

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042219\
 Data File : VD061938.D
 Acq On : 22 Apr 2019 14:58
 Operator : VA/AP
 Sample : VD0422SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

Quant Time: Apr 22 23:31:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	583072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	987264	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	697311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	375634	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	259792	53.16	ug/l	0.00
Spiked Amount			Recovery	=	106.32%	
35) Dibromofluoromethane	6.92	113	382887	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
50) Toluene-d8	10.41	98	848739	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	13.56	95	324244	45.27	ug/l	0.00
Spiked Amount			Recovery	=	90.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	100305	17.625	ug/l	94
3) Chloromethane	1.75	50	88561	19.526	ug/l	91
4) Vinyl Chloride	1.85	62	81751	18.162	ug/l	96
5) Bromomethane	2.15	94	20742	18.252	ug/l	99
6) Chloroethane	2.26	64	24608	16.025	ug/l	98
7) Trichlorofluoromethane	2.52	101	130903	17.931	ug/l	97
8) Diethyl Ether	2.87	74	32099	16.778	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.15	101	119827	18.409	ug/l	97
10) Methyl Iodide	3.31	142	137877	15.850	ug/l	97
11) Tert butyl alcohol	4.06	59	31846	110.507	ug/l	100
12) 1,1-Dichloroethene	3.12	96	97700	17.854	ug/l	96
13) Acrolein	3.04	56	17123	61.376	ug/l	91
14) Allyl chloride	3.63	41	156411	20.969	ug/l	100
15) Acrylonitrile	4.20	53	93201	103.018	ug/l	95
16) Acetone	3.22	43	106996	88.839	ug/l	99
17) Carbon Disulfide	3.38	76	282142	15.957	ug/l	99
18) Methyl Acetate	3.63	43	49706	20.591	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	207966	20.364	ug/l	98
20) Methylene Chloride	3.82	84	132081	19.241	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	118991	19.786	ug/l	99
22) Diisopropyl ether	5.11	45	350115	21.959	ug/l	98
23) Vinyl Acetate	5.05	43	921976	108.172	ug/l	99
24) 1,1-Dichloroethane	4.98	63	210307	21.755	ug/l	100
25) 2-Butanone	6.07	43	145187	105.886	ug/l	98
26) 2,2-Dichloropropane	6.03	77	178009	21.304	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	137932	21.157	ug/l	92
28) Bromochloromethane	6.44	49	79500	21.651	ug/l	88
29) Tetrahydrofuran	6.45	42	72242	108.161	ug/l	99
30) Chloroform	6.67	83	233844	21.688	ug/l	95
31) Cyclohexane	6.95	56	146695	19.823	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	202941	21.232	ug/l	96
36) 1,1-Dichloropropene	7.15	75	168153	20.843	ug/l	96
37) Ethyl Acetate	6.17	43	65931	19.095	ug/l	97
38) Carbon Tetrachloride	7.11	117	209906	20.605	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	158223	18.886	ug/l	95
40) Benzene	7.45	78	395303	20.410	ug/l	100
41) Methacrylonitrile	6.44	41	83723	20.515	ug/l	95
42) 1,2-Dichloroethane	7.58	62	135199	20.043	ug/l	99
43) Isopropyl Acetate	9.24	43	92153	18.966	ug/l	97
44) Trichloroethene	8.54	130	149090	19.996	ug/l	99
45) 1,2-Dichloropropane	8.94	63	96198	19.068	ug/l	97
46) Dibromomethane	9.06	93	72081	20.052	ug/l	94
47) Bromodichloromethane	9.37	83	164799	19.872	ug/l	98
48) Methyl methacrylate	9.12	41	57950	20.289	ug/l	96
49) 1,4-Dioxane	9.08	88	12914	413.669	ug/l	90
51) 4-Methyl-2-Pentanone	10.30	43	302172	101.692	ug/l	99
52) Toluene	10.51	92	270615	21.803	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	141536	18.940	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	161057	18.361	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	79066	18.905	ug/l	97
56) Ethyl methacrylate	11.04	69	89791	19.561	ug/l	92
57) 1,3-Dichloropropane	11.40	76	113712	18.085	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	258076	118.203	ug/l	100
59) 2-Hexanone	11.53	43	229987	104.210	ug/l	98
60) Dibromochloromethane	11.69	129	138442	20.230	ug/l	100
61) 1,2-Dibromoethane	11.81	107	98529	19.159	ug/l	97
64) Tetrachloroethene	11.25	164	112987	21.606	ug/l	96
65) Chlorobenzene	12.40	112	295382	22.746	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	122700	22.546	ug/l	98
67) Ethyl Benzene	12.52	91	464699	22.345	ug/l	99
68) m/p-Xylenes	12.66	106	350534	44.872	ug/l	100
69) o-Xylene	13.05	106	164120	22.352	ug/l	94
70) Styrene	13.08	104	285363	22.584	ug/l	99
71) Bromoform	13.23	173	67352	20.850	ug/l	98
73) Isopropylbenzene	13.40	105	479676	19.690	ug/l	99
74) N-amyl acetate	13.26	43	113296	17.295	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	92542	19.218	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	89457	18.134	ug/l	98
77) Bromobenzene	13.67	156	131649	19.024	ug/l	87
78) n-propylbenzene	13.77	91	537698	19.104	ug/l	97
79) 2-Chlorotoluene	13.84	91	280143	17.038	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	424460	21.959	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	26400	18.736	ug/l	96
82) 4-Chlorotoluene	13.94	91	390553	20.752	ug/l	87
83) tert-Butylbenzene	14.19	119	461981	20.355	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	391579	20.153	ug/l	100
85) sec-Butylbenzene	14.37	105	543201	23.151	ug/l	99
86) p-Isopropyltoluene	14.49	119	447445	20.382	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	250833	20.763	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	256892	21.512	ug/l	99
89) n-Butylbenzene	14.80	91	410078	21.103	ug/l	96
90) Hexachloroethane	15.01	117	125368	20.952	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	214837	21.230	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13376	22.881	ug/l	98

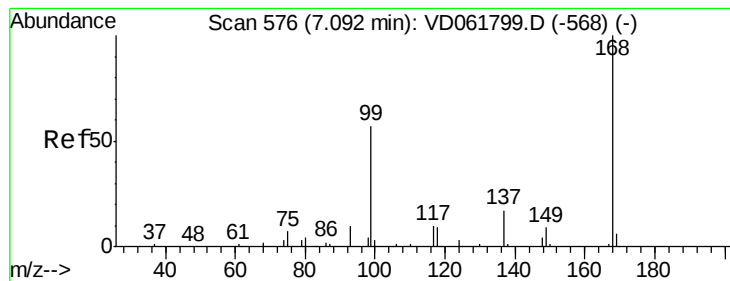
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	121350	21.834	ug/l	97
94) Hexachlorobutadiene	16.04	225	87260	21.665	ug/l	96
95) Naphthalene	16.13	128	188976	22.183	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	73000	23.048	ug/l	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

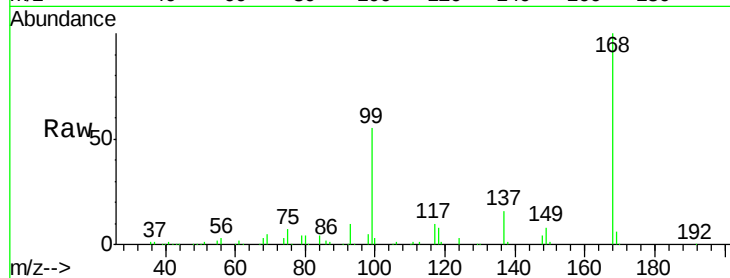
VD0422SBS01

Tot Ion:168 Resp: 583072

Ion Ratio Lower Upper

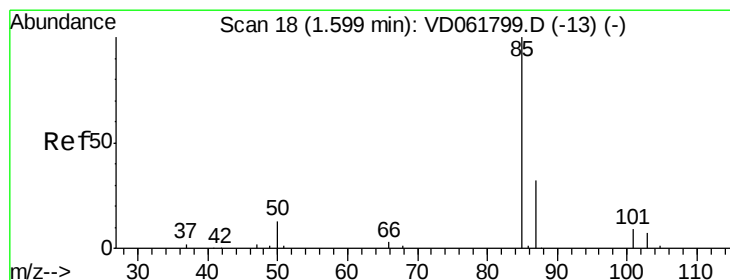
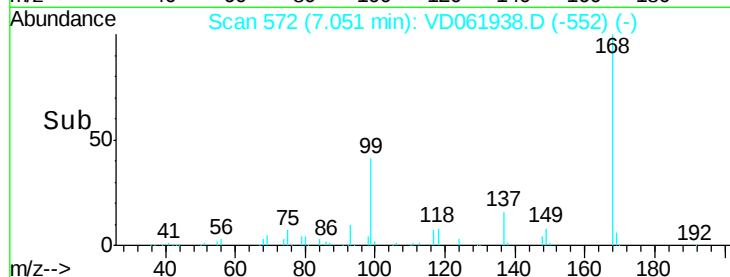
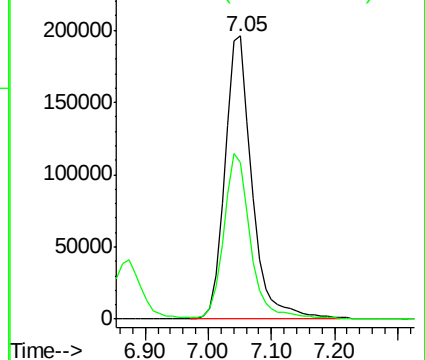
168 100

99 55.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.625 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.00 min

Lab File: VD061938.D

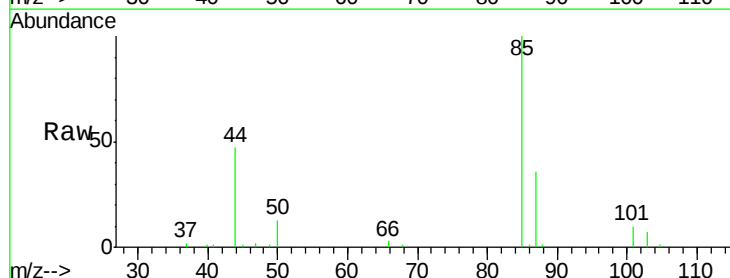
Acq: 22 Apr 2019 14:58

Tgt Ion: 85 Resp: 100305

Ion Ratio Lower Upper

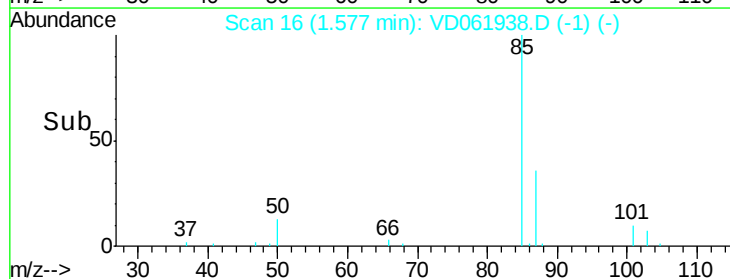
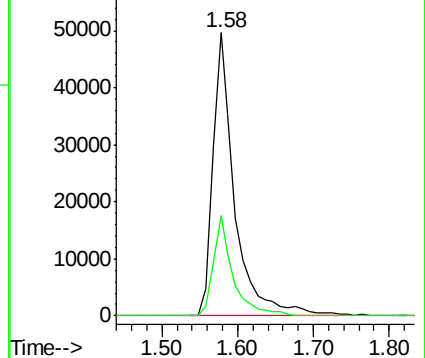
85 100

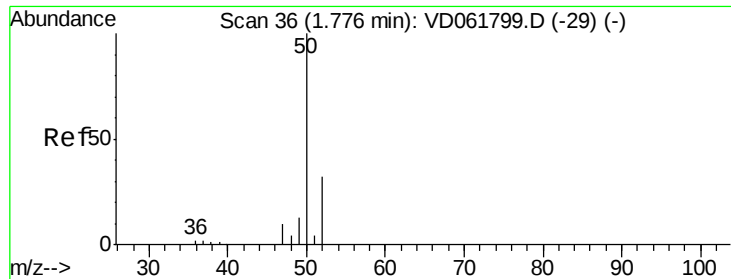
87 35.7 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.526 ug/l

RT: 1.75 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

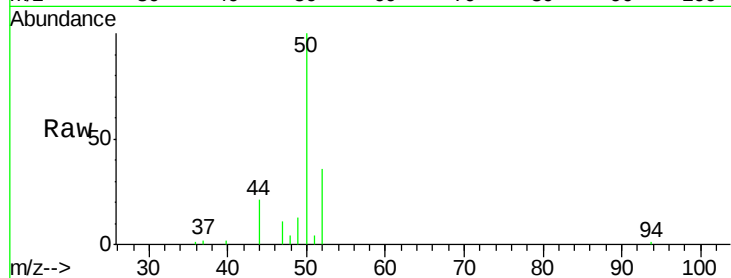
VD0422SBS01

Tot Ion: 50 Resp: 88561

Ion Ratio Lower Upper

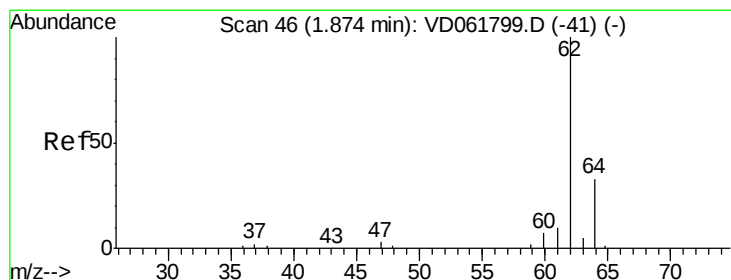
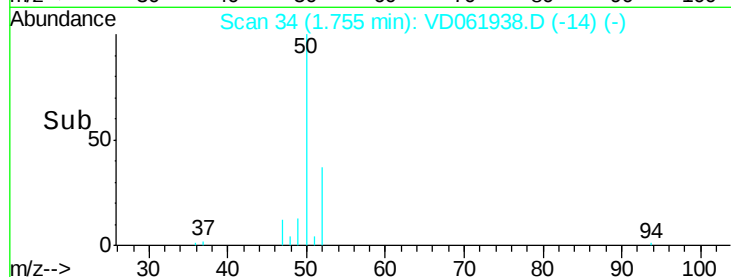
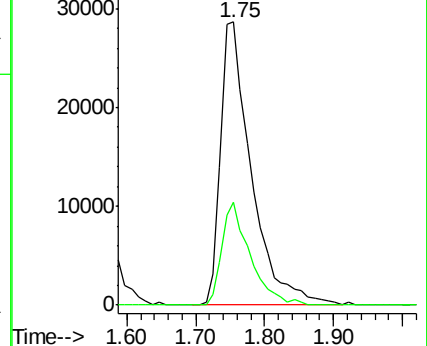
50 100

52 36.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.162 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD061938.D

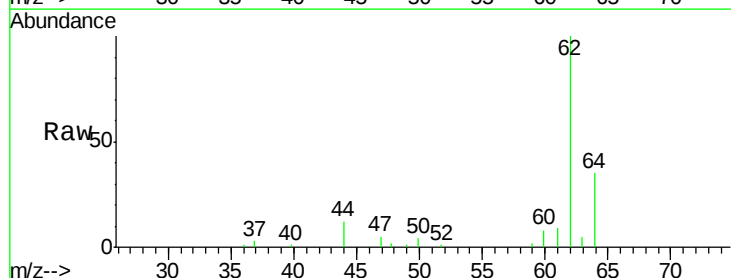
Acq: 22 Apr 2019 14:58

Tgt Ion: 62 Resp: 81751

Ion Ratio Lower Upper

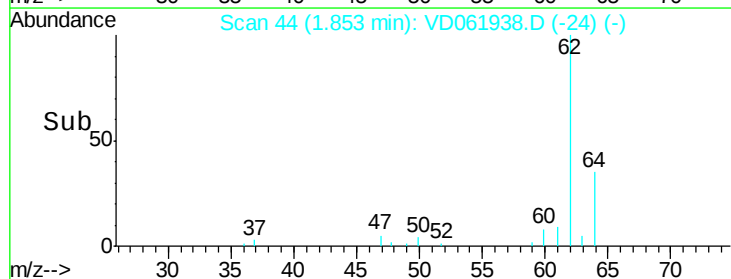
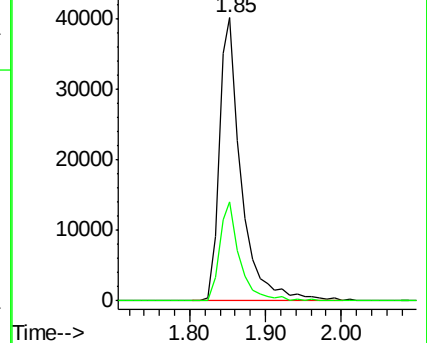
62 100

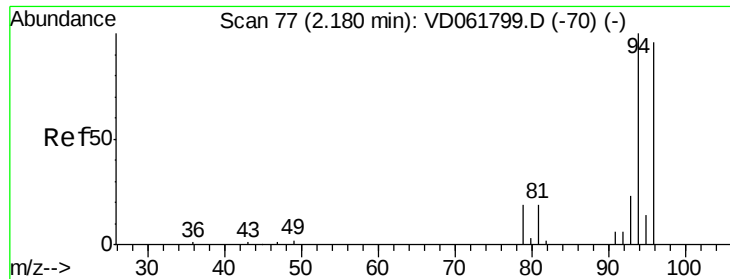
64 35.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.252 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

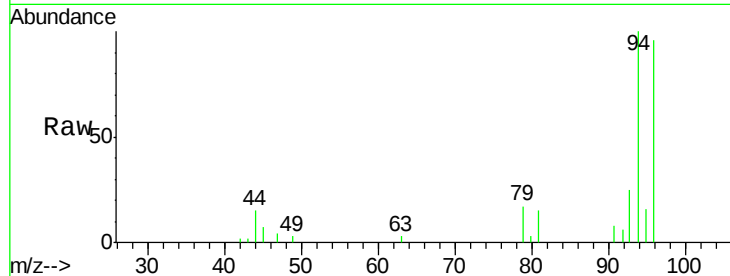
Tot Ion: 94 Resp: 20742

Ion Ratio Lower Upper

94 100

96 95.9 76.6 115.0

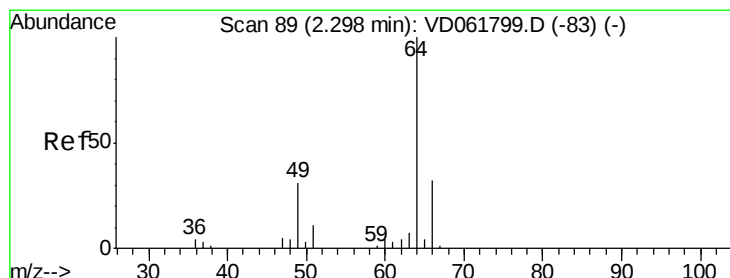
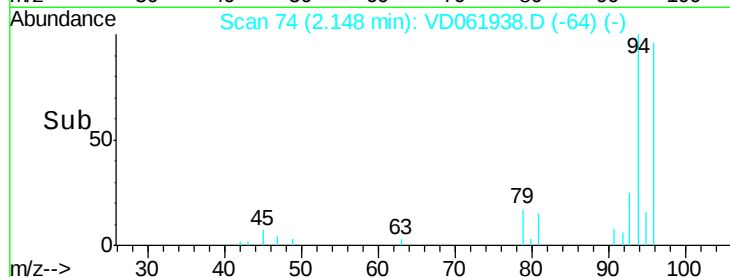
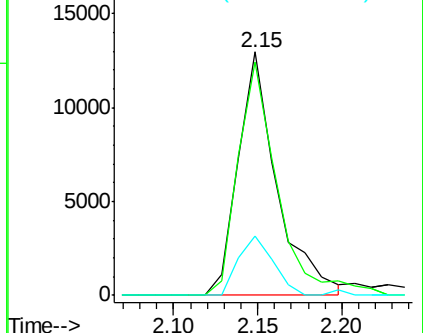
93 24.6 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 16.025 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061938.D

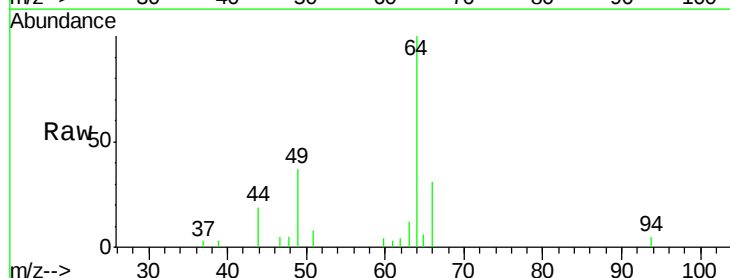
Acq: 22 Apr 2019 14:58

Tgt Ion: 64 Resp: 24608

Ion Ratio Lower Upper

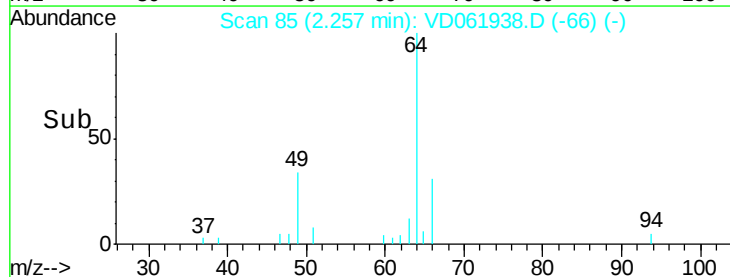
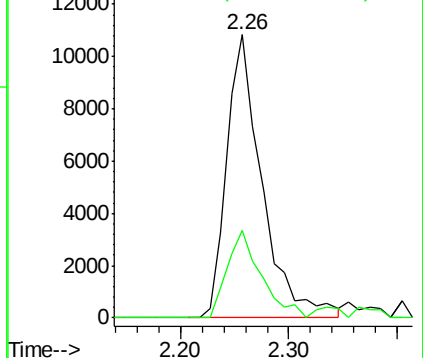
64 100

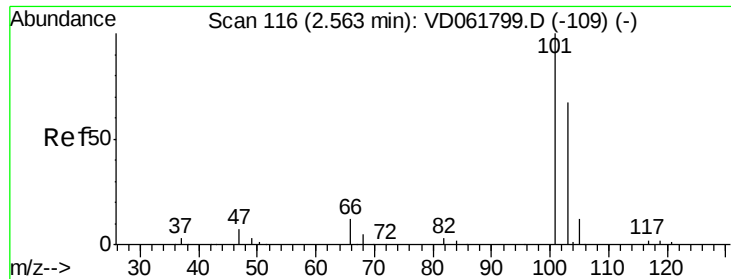
66 31.0 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



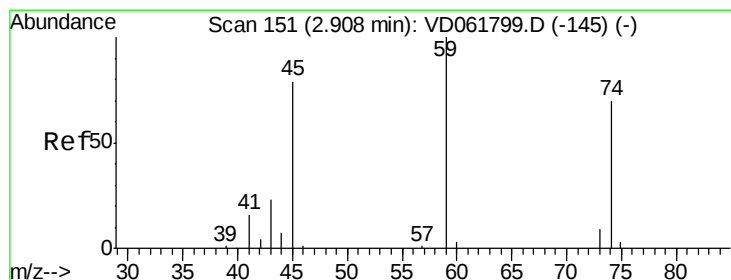
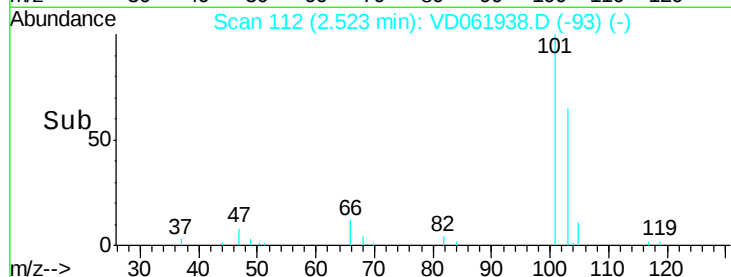
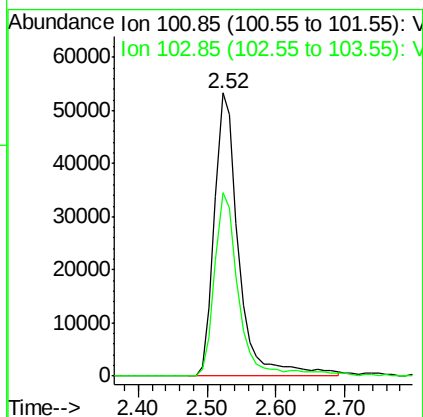
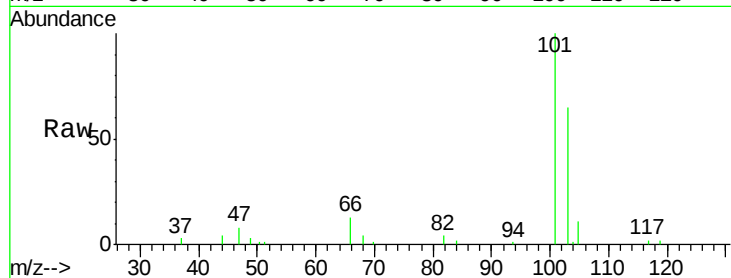


#7

Trichlorofluoromethane
 Concen: 17.931 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Instrument :
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 ClientSampleId :
 VD0422SBS01

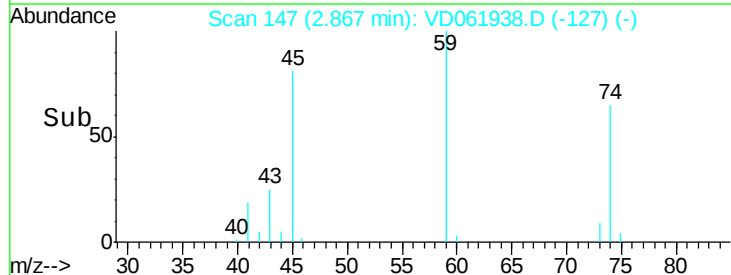
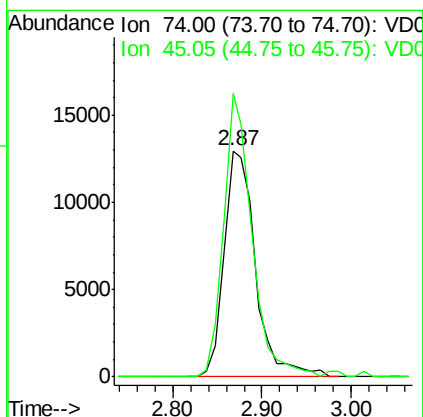
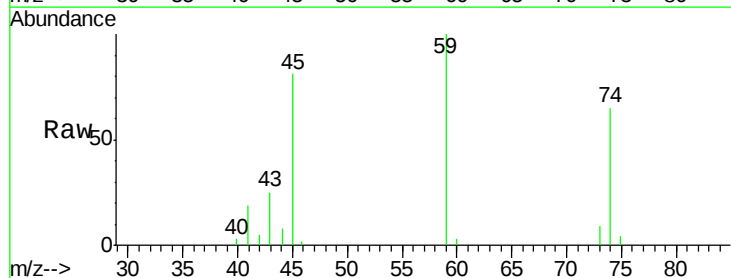
Tot Ion:101 Resp: 130903
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.6 80.4

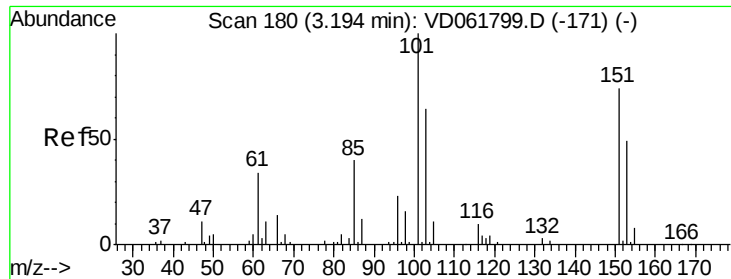


#8

Diethyl Ether
 Concen: 16.778 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Tgt Ion: 74 Resp: 32099
 Ion Ratio Lower Upper
 74 100
 45 125.3 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.409 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

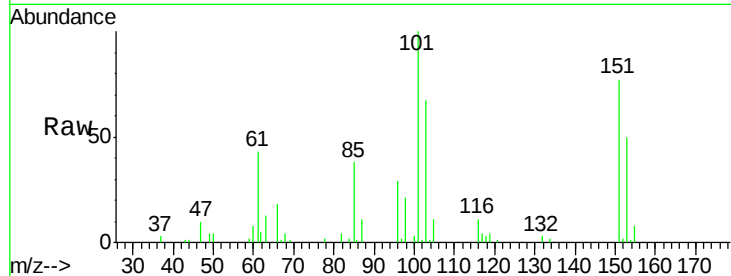
Tot Ion:101 Resp: 119827

Ion Ratio Lower Upper

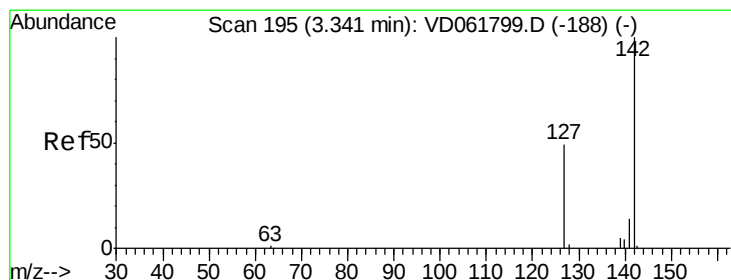
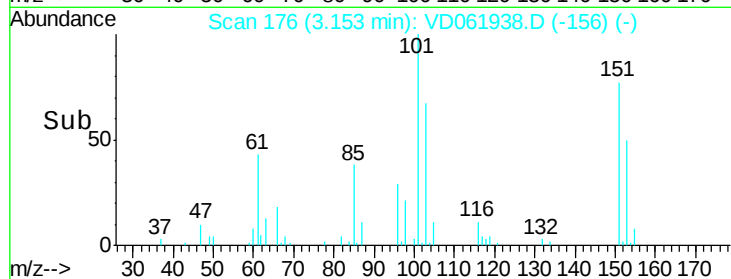
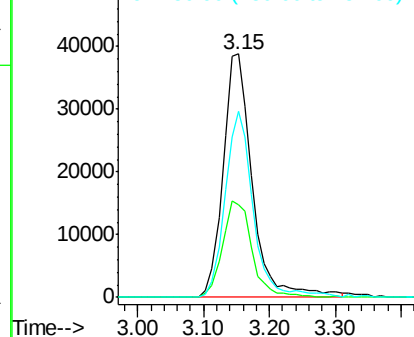
101 100

85 38.1 32.4 48.6

151 76.6 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 15.850 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

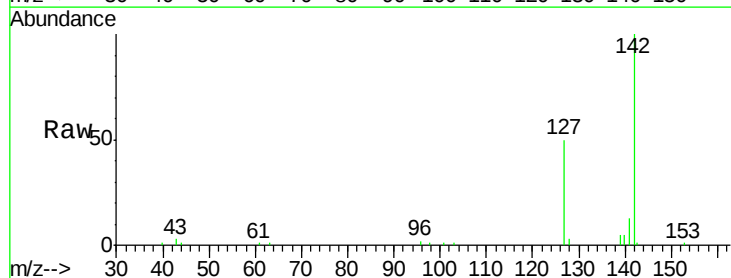
Tgt Ion:142 Resp: 137877

Ion Ratio Lower Upper

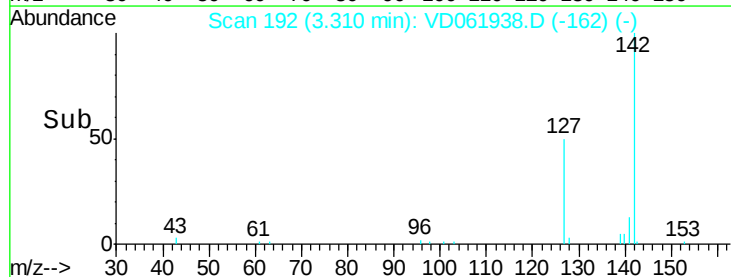
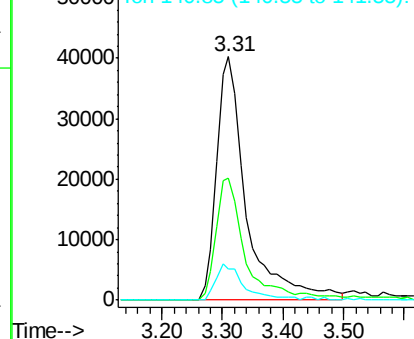
142 100

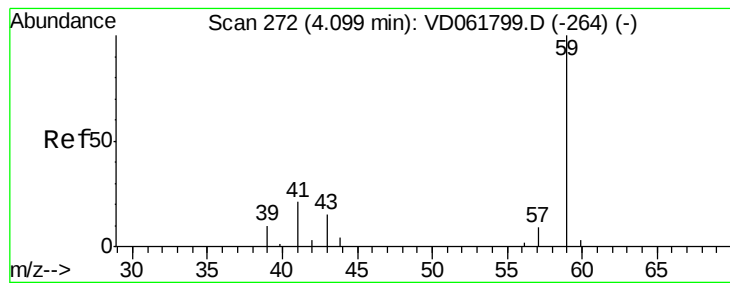
127 50.0 38.8 58.2

141 12.5 11.4 17.0



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V



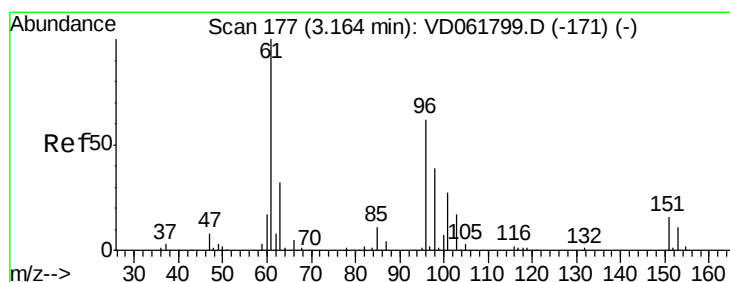
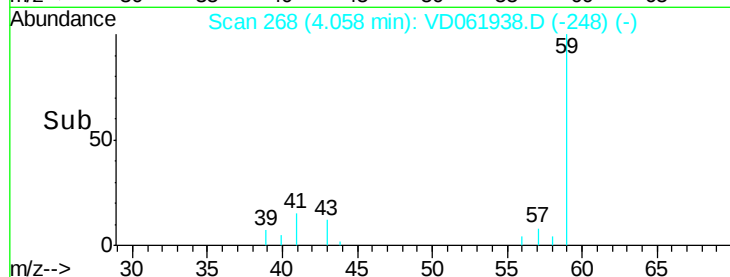
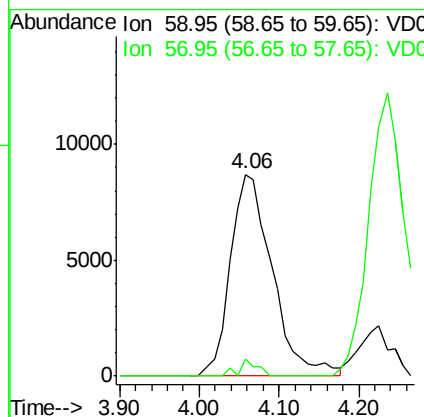
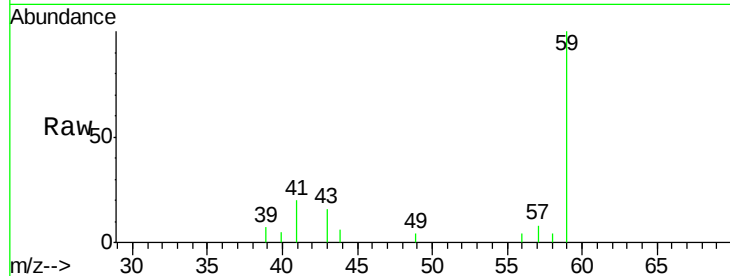


#11

Tert butyl alcohol
 Concen: 110.507 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

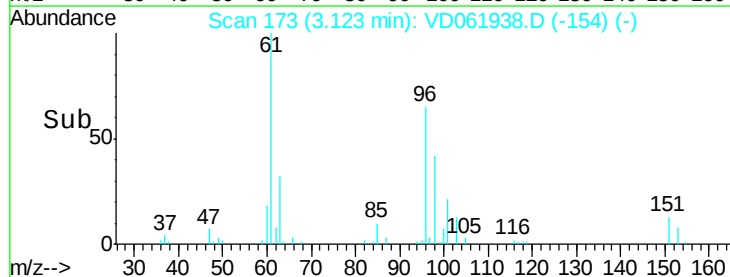
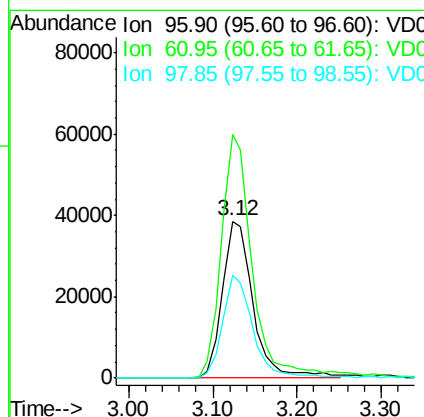
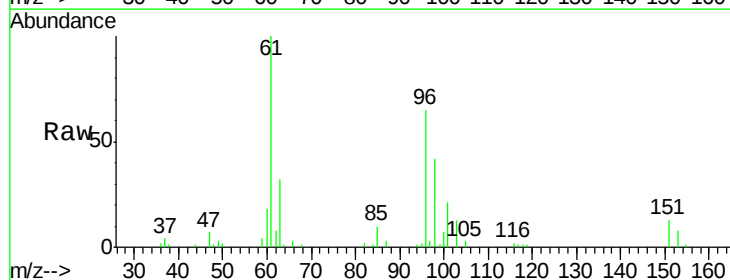
Tot Ion: 59 Resp: 31846
 Ion Ratio Lower Upper
 59 100
 57 8.4 6.9 10.3

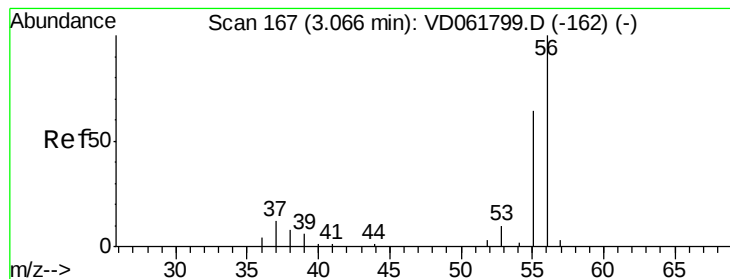


#12

1,1-Dichloroethene
 Concen: 17.854 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Tgt Ion: 96 Resp: 97700
 Ion Ratio Lower Upper
 96 100
 61 155.0 129.8 194.8
 98 65.2 51.2 76.8





#13

Acrolein

Concen: 61.376 ug/l

RT: 3.04 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

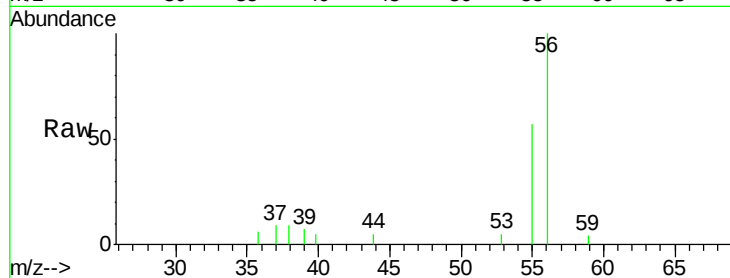
VD0422SBS01

Tot Ion: 56 Resp: 17123

Ion Ratio Lower Upper

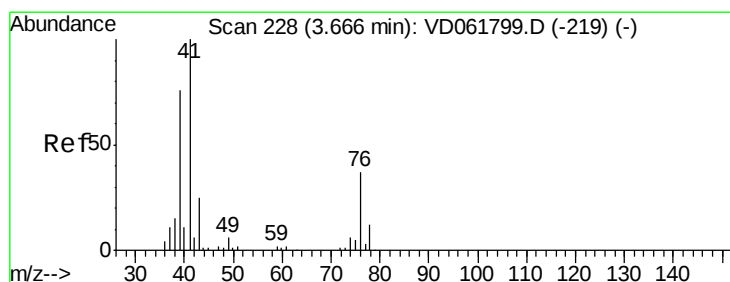
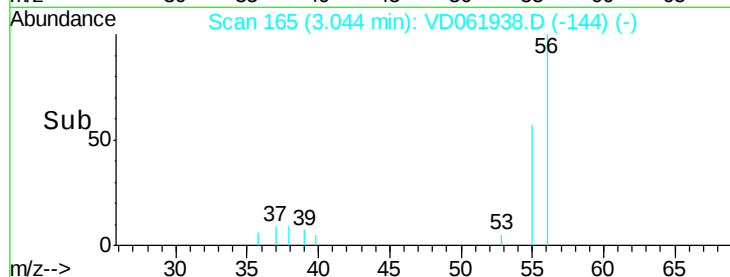
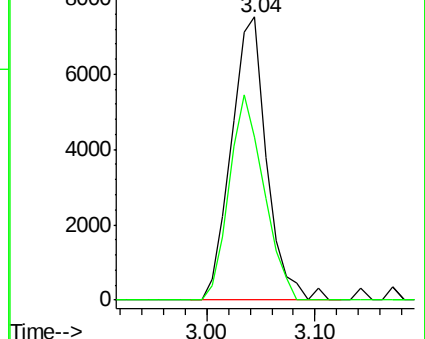
56 100

55 57.4 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.969 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

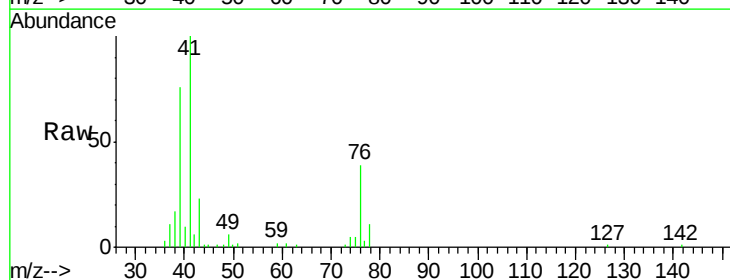
Tgt Ion: 41 Resp: 156411

Ion Ratio Lower Upper

41 100

39 75.8 60.5 90.7

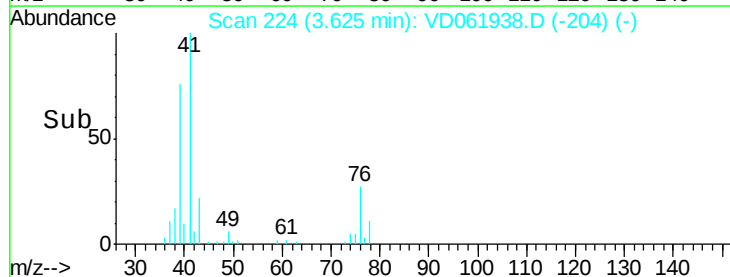
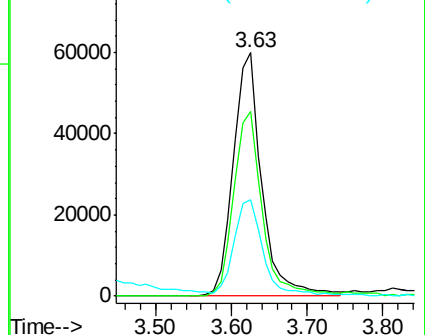
76 39.4 31.8 47.8

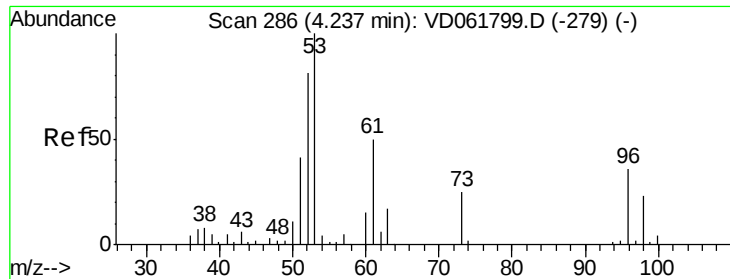


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

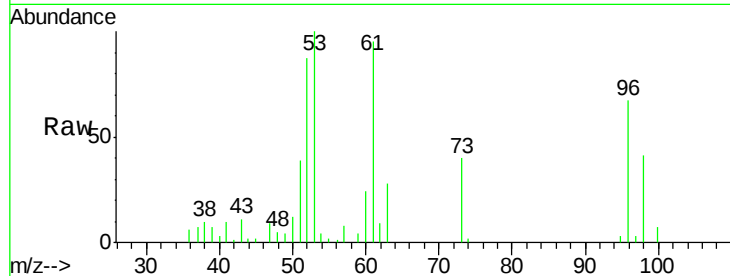




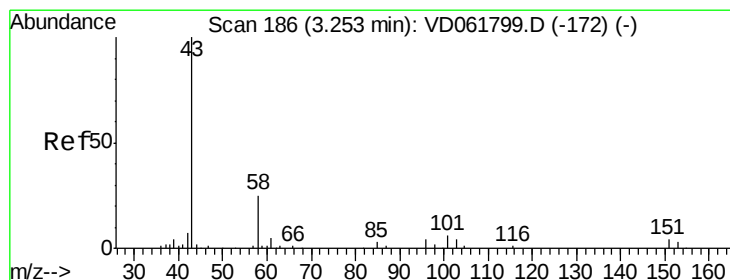
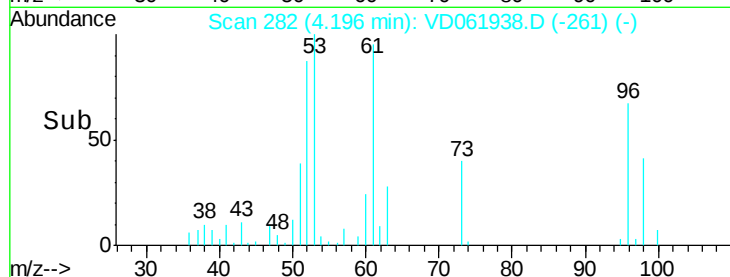
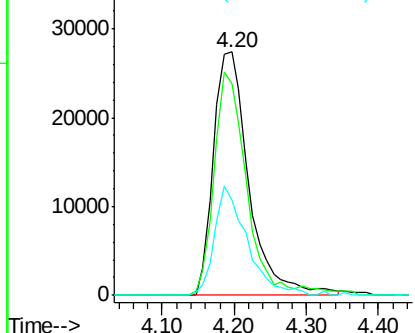
#15
 Acrylonitrile
 Concen: 103.018 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

Tot Ion: 53 Resp: 93201
 Ion Ratio Lower Upper
 53 100
 52 87.1 65.0 97.4
 51 38.9 32.6 48.8

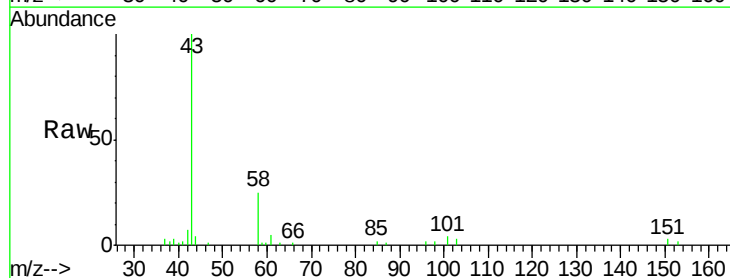


Abundance Ion 53.00 (52.70 to 53.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC
 Ion 51.00 (50.70 to 51.70): VDC

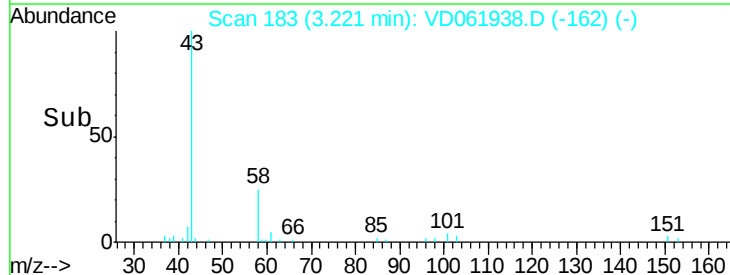
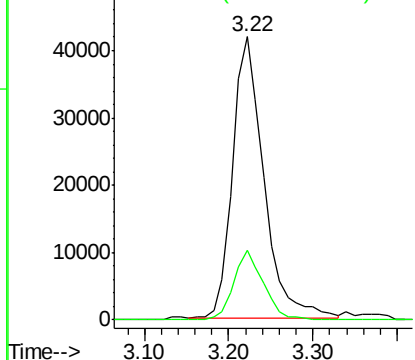


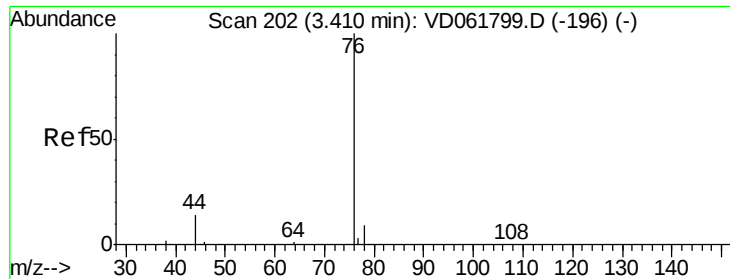
#16
 Acetone
 Concen: 88.839 ug/l
 RT: 3.22 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Tgt Ion: 43 Resp: 106996
 Ion Ratio Lower Upper
 43 100
 58 24.6 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

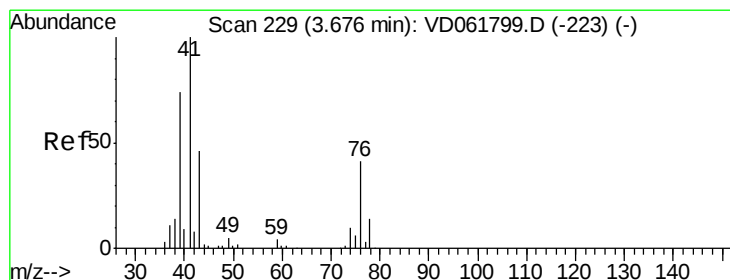
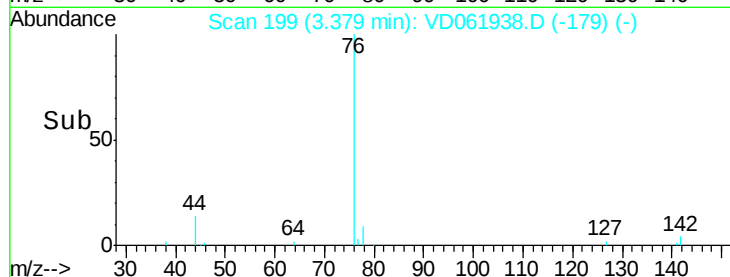
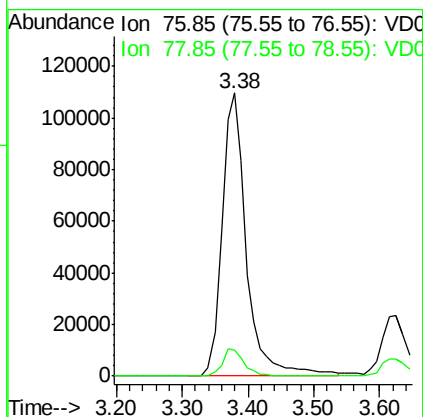
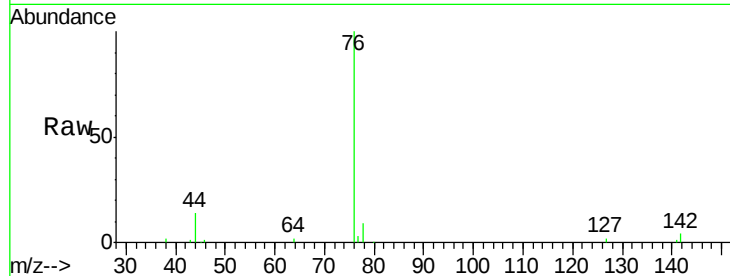




#17
Carbon Disulfide
Concen: 15.957 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

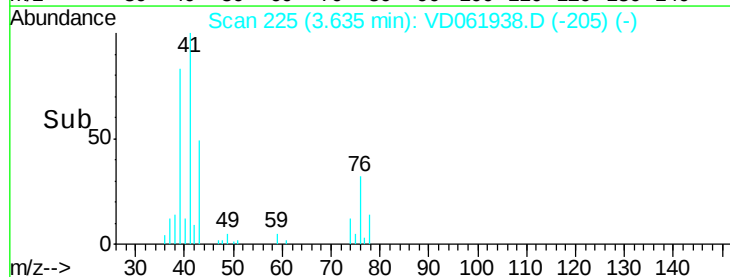
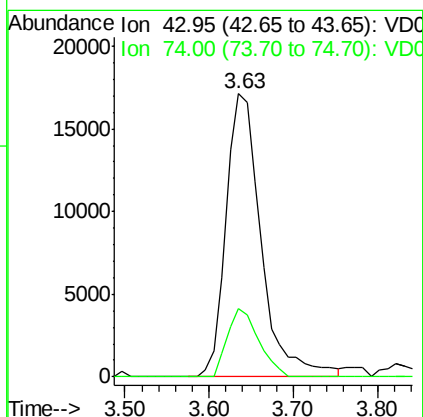
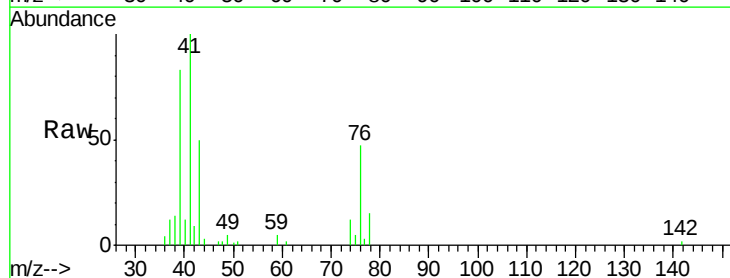
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

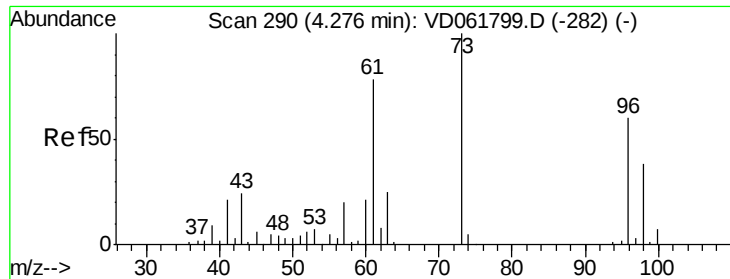
Tot Ion: 76 Resp: 282142
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 20.591 ug/l
RT: 3.63 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Tgt Ion: 43 Resp: 49706
Ion Ratio Lower Upper
43 100
74 24.1 18.0 27.0

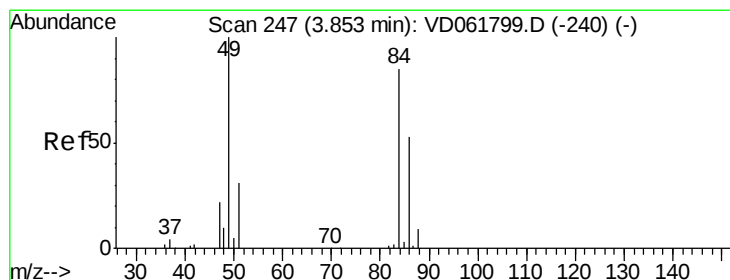
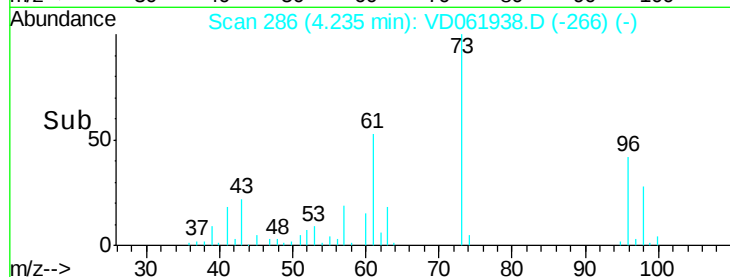
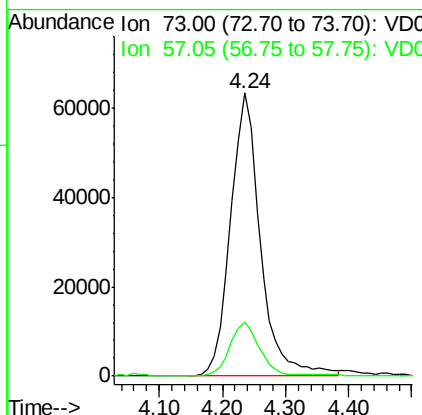
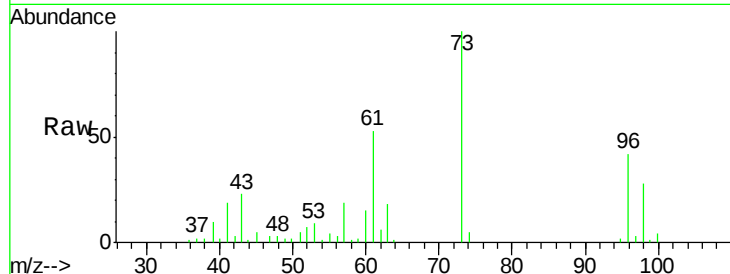




#19
Methyl tert-butyl Ether
Concen: 20.364 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

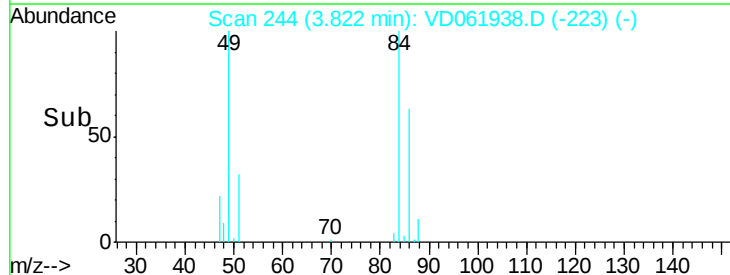
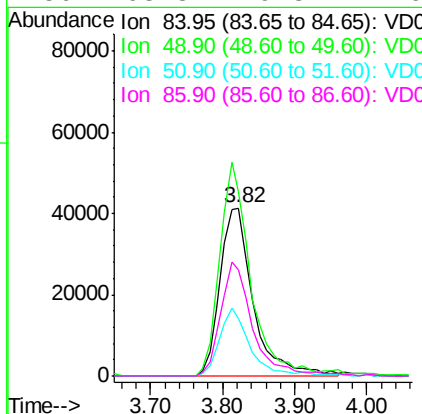
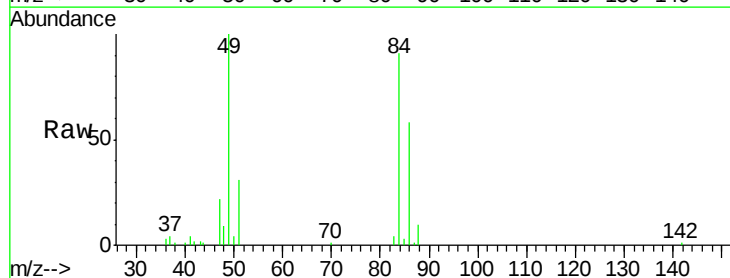
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

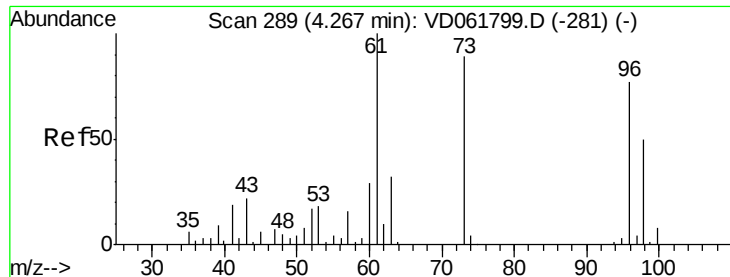
Tot Ion: 73 Resp: 207966
Ion Ratio Lower Upper
73 100
57 19.3 16.3 24.5



#20
Methylene Chloride
Concen: 19.241 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Tgt Ion: 84 Resp: 132081
Ion Ratio Lower Upper
84 100
49 109.5 94.0 141.0
51 34.1 29.0 43.4
86 63.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.786 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

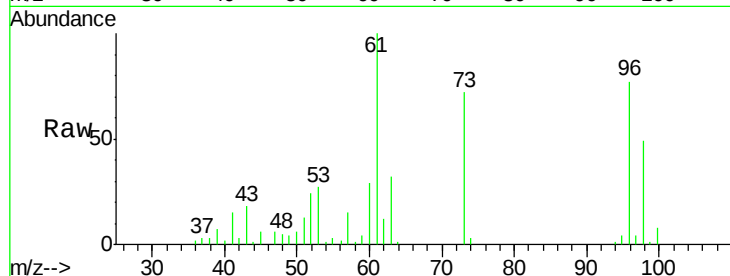
Tot Ion: 96 Resp: 118991

Ion Ratio Lower Upper

96 100

61 129.7 104.4 156.6

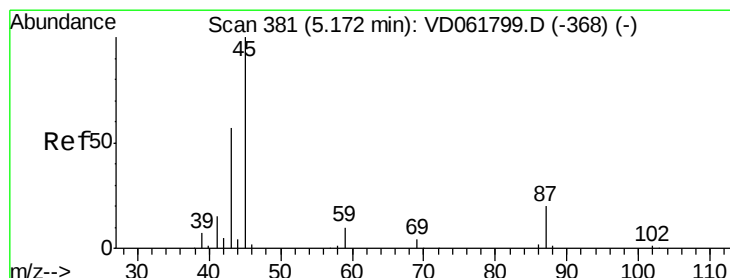
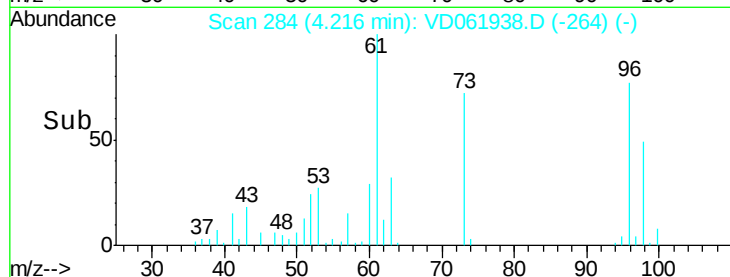
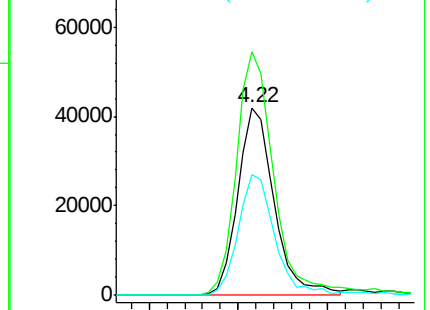
98 64.0 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.959 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Tgt Ion: 45 Resp: 350115

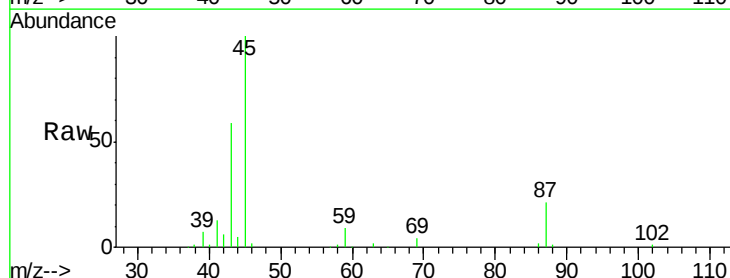
Ion Ratio Lower Upper

45 100

43 58.8 46.2 69.2

87 21.1 15.9 23.9

59 8.9 7.9 11.9

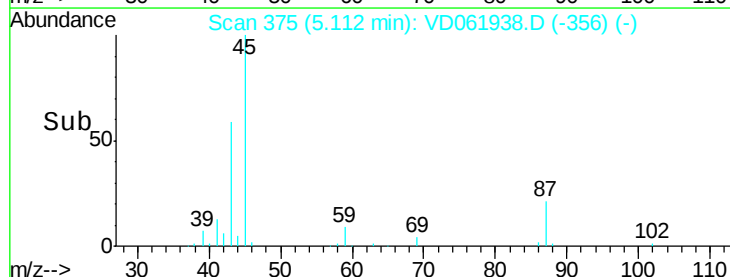
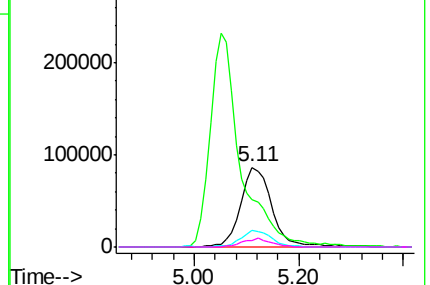


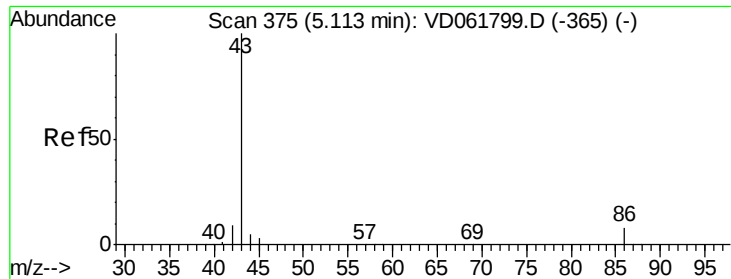
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 108.172 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

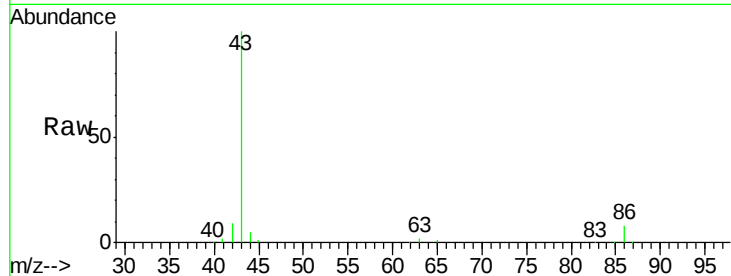
VD0422SBS01

Tot Ion: 43 Resp: 921976

Ion Ratio Lower Upper

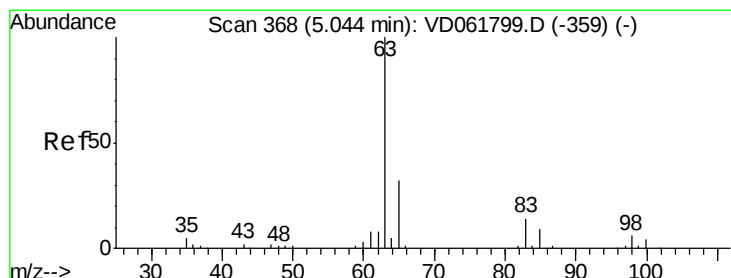
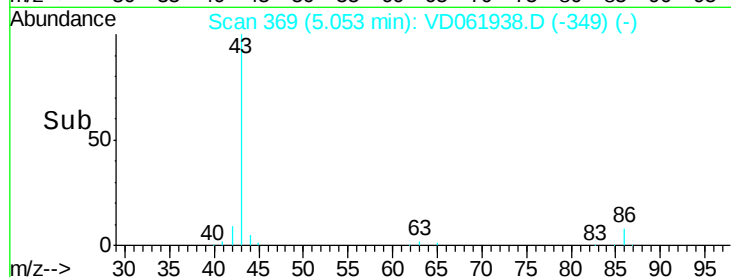
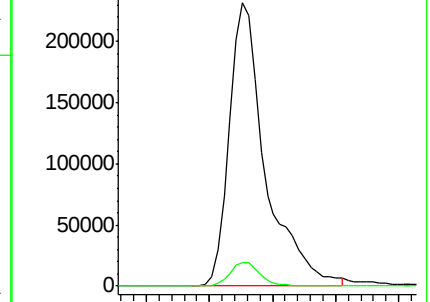
43 100

86 8.3 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.755 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

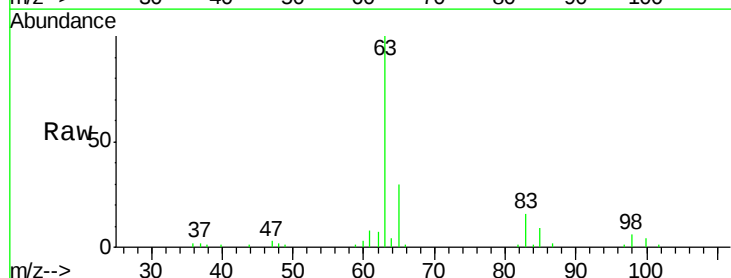
Tgt Ion: 63 Resp: 210307

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

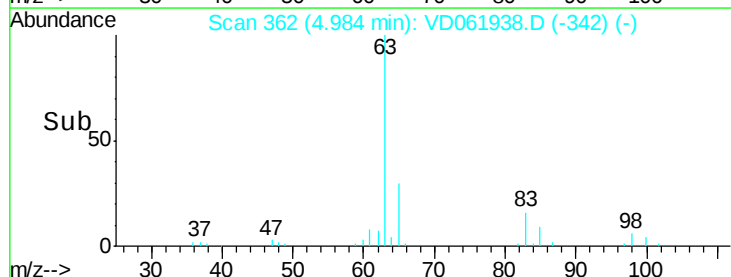
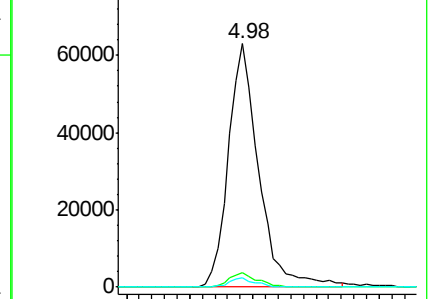
100 3.6 1.8 5.5

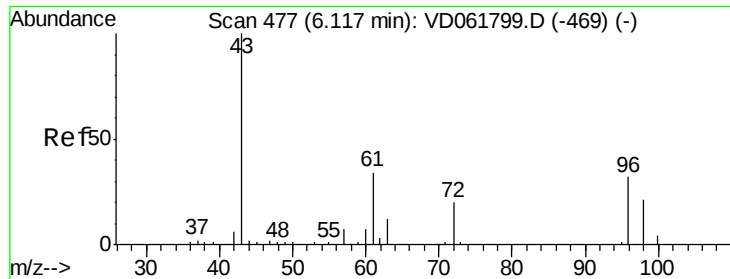


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 105.886 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

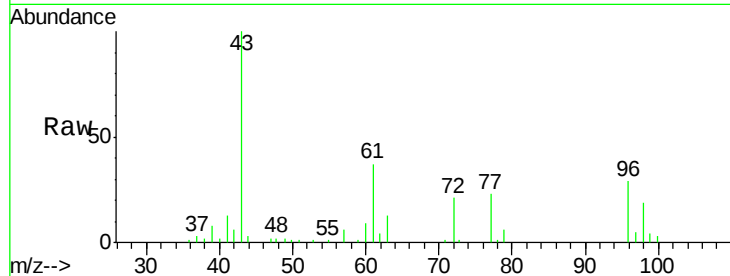
VD0422SBS01

Tot Ion: 43 Resp: 145187

Ion Ratio Lower Upper

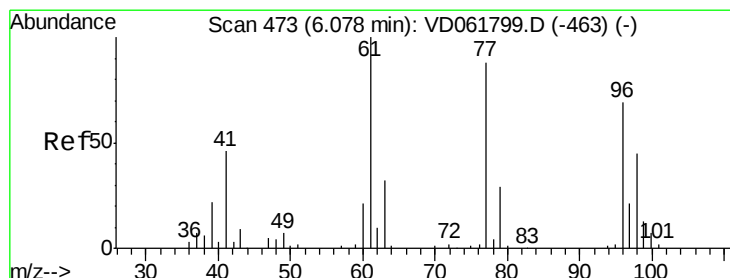
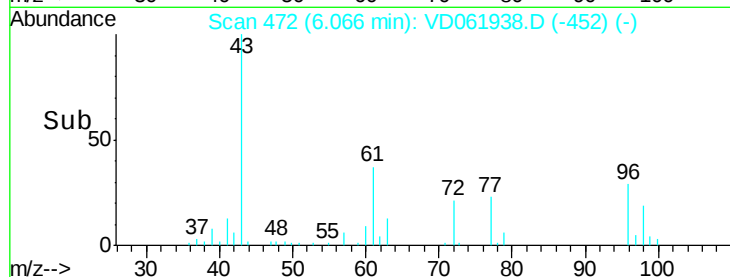
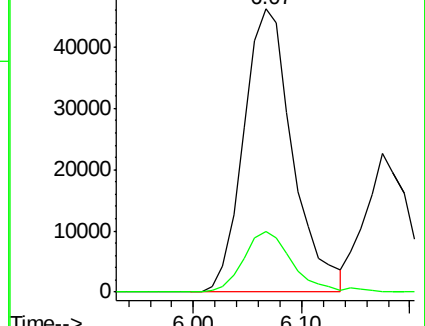
43 100

72 21.4 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.304 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061938.D

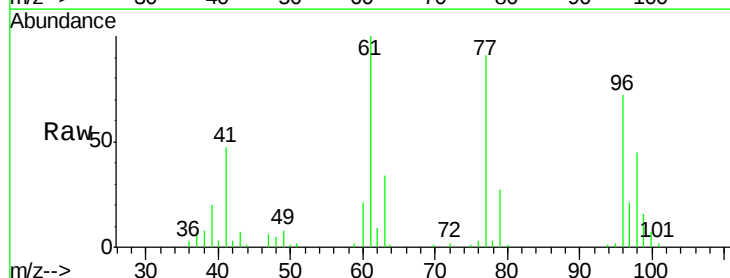
Acq: 22 Apr 2019 14:58

Tgt Ion: 77 Resp: 178009

Ion Ratio Lower Upper

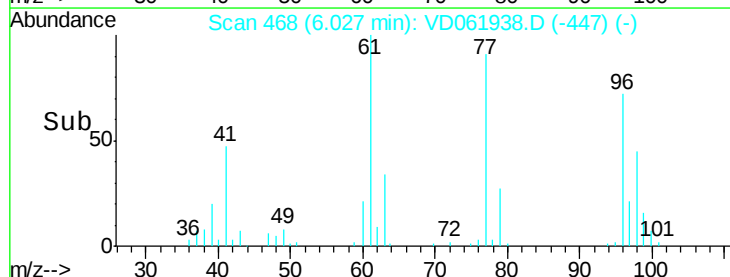
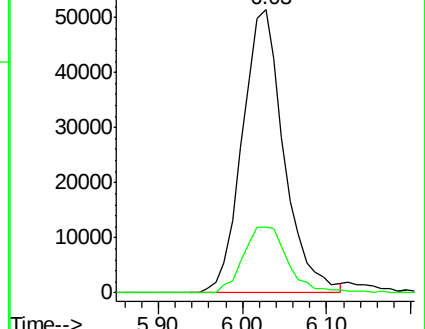
77 100

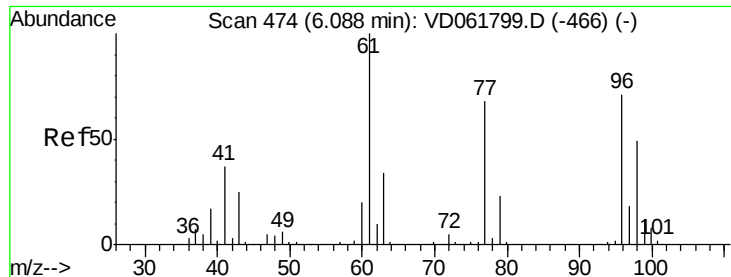
97 23.2 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



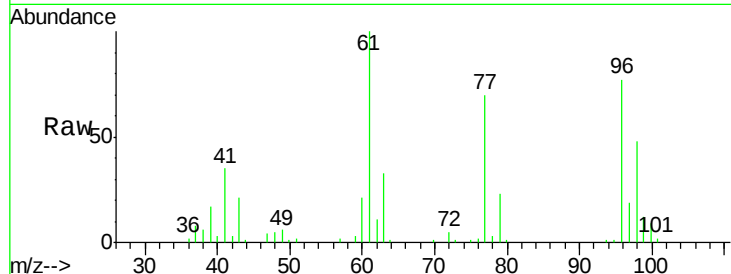


#27

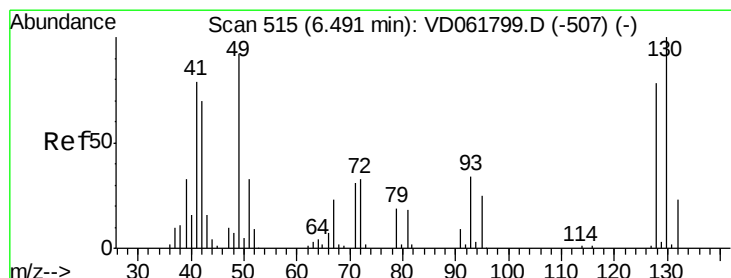
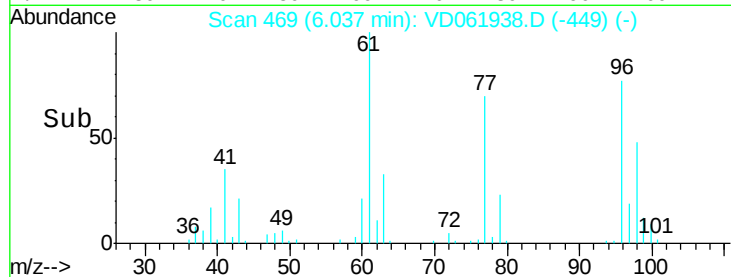
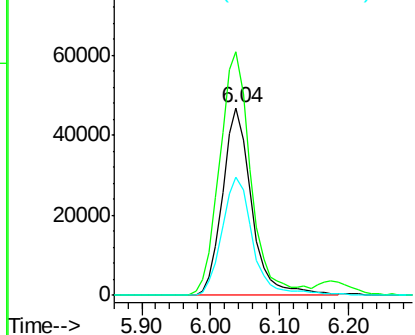
cis-1,2-Dichloroethene
 Concen: 21.157 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

Tot Ion: 96 Resp: 137932
 Ion Ratio Lower Upper
 96 100
 61 129.9 0.0 279.8
 98 62.9 0.0 136.0



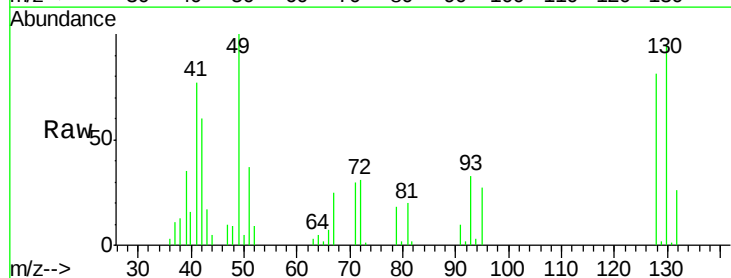
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



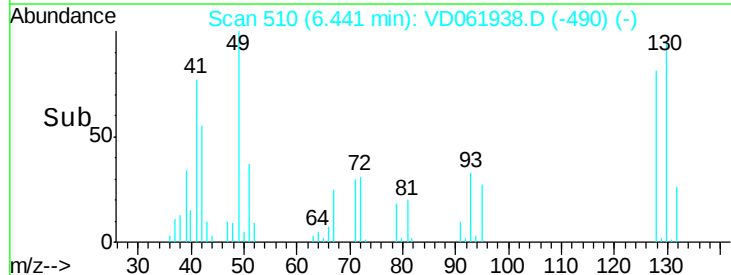
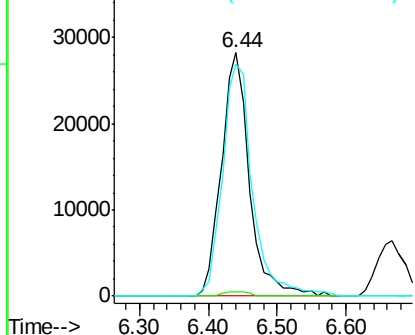
#28

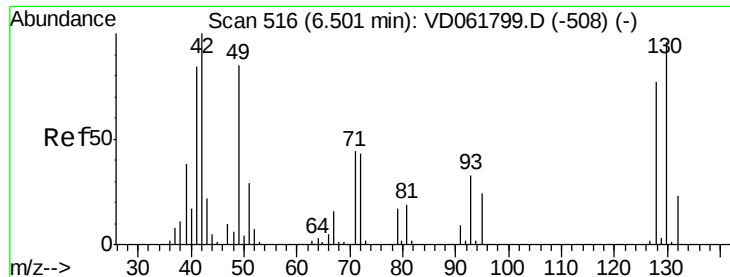
Bromochloromethane
 Concen: 21.651 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Tgt Ion: 49 Resp: 79500
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 6.6
 130 95.3 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

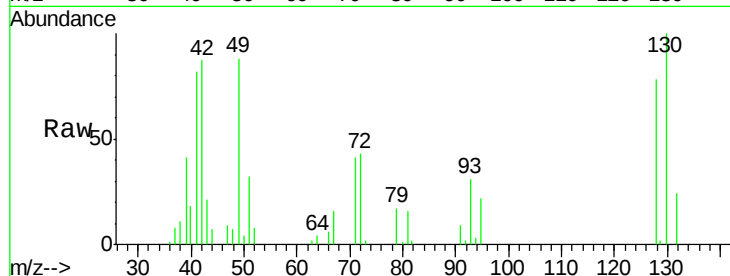




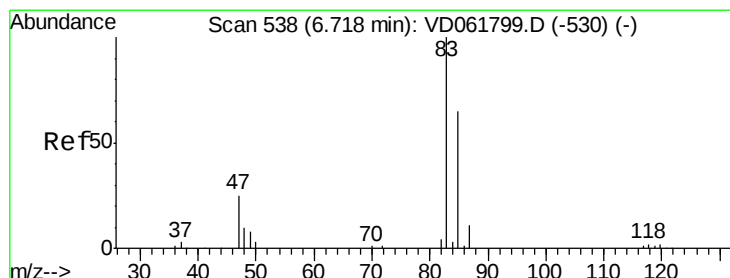
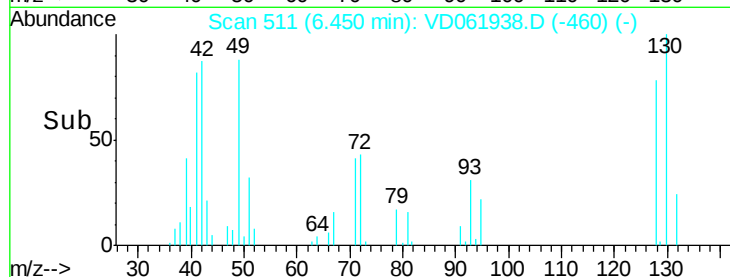
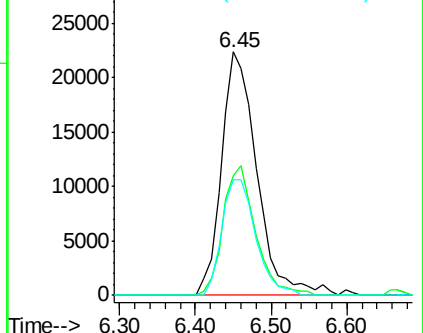
#29
Tetrahydrofuran
Concen: 108.161 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

Tot Ion: 42 Resp: 72242
Ion Ratio Lower Upper
42 100
72 48.9 37.8 56.6
71 45.7 36.7 55.1

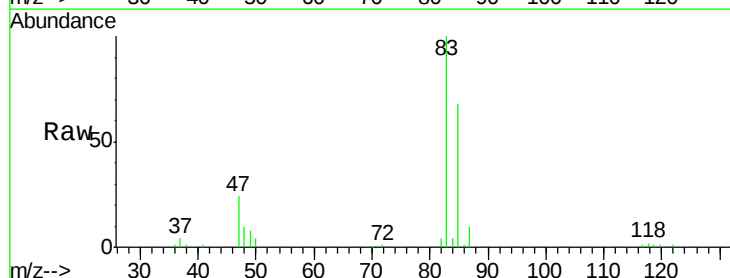


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

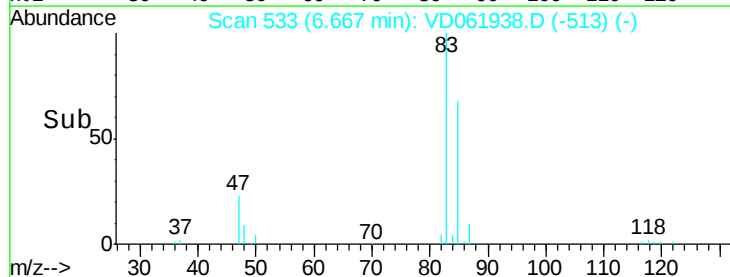
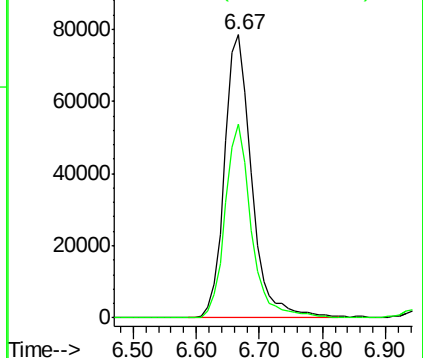


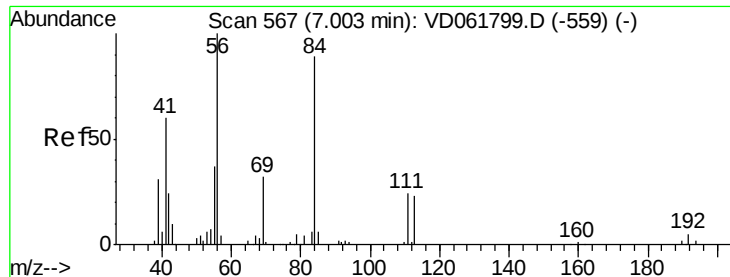
#30
Chloroform
Concen: 21.688 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Tgt Ion: 83 Resp: 233844
Ion Ratio Lower Upper
83 100
85 68.3 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

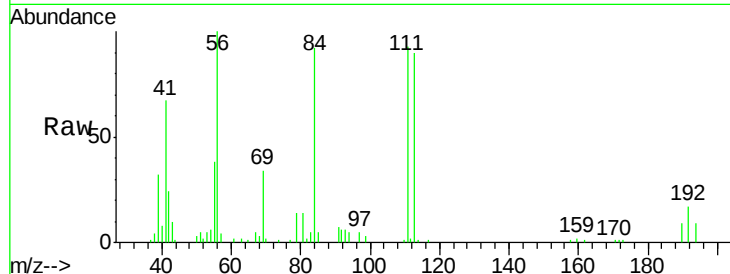




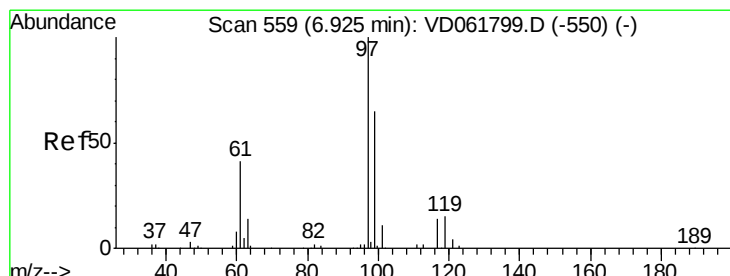
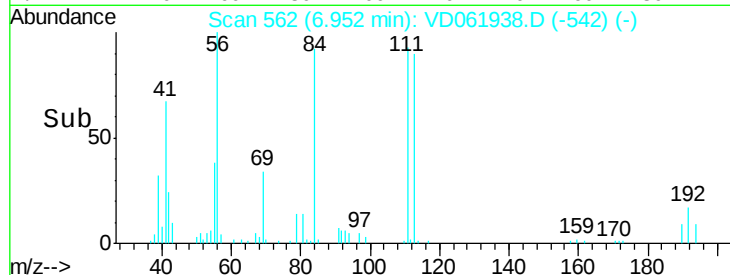
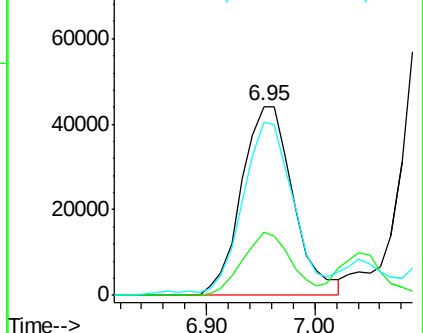
#31
Cyclohexane
Concen: 19.823 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

Tot Ion: 56 Resp: 146695
Ion Ratio Lower Upper
56 100
69 33.7 25.8 38.6
84 91.8 72.2 108.4

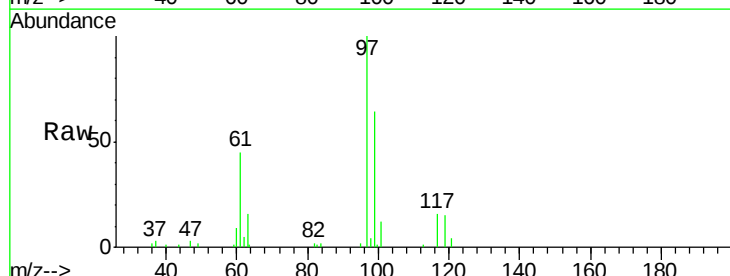


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

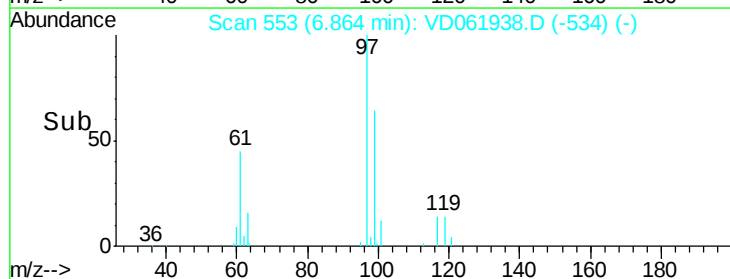
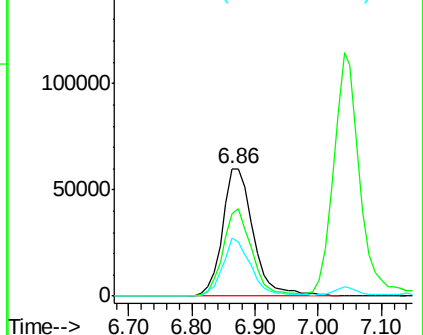


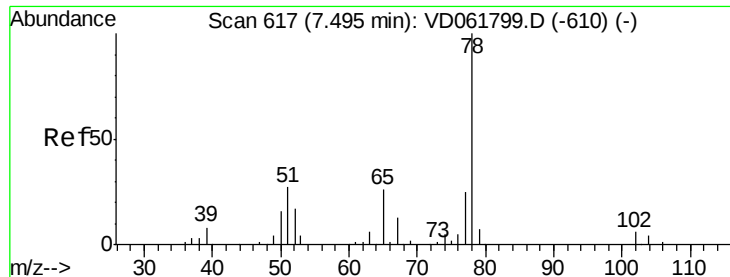
#32
1,1,1-Trichloroethane
Concen: 21.232 ug/l
RT: 6.86 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Tgt Ion: 97 Resp: 202941
Ion Ratio Lower Upper
97 100
99 64.1 52.2 78.2
61 45.2 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 21.232 ug/l

RT: 7.45 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

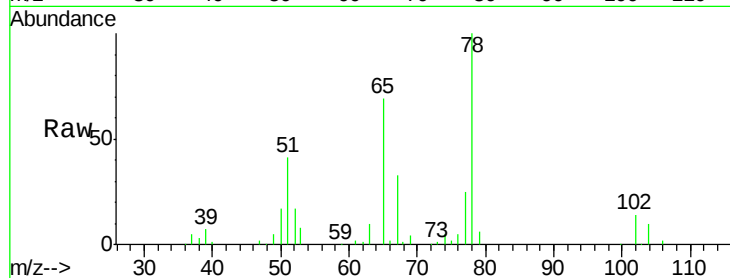
VD0422SBS01

Tot Ion: 65 Resp: 259792

Ion Ratio Lower Upper

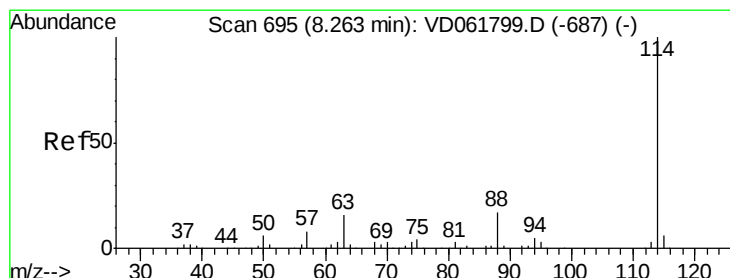
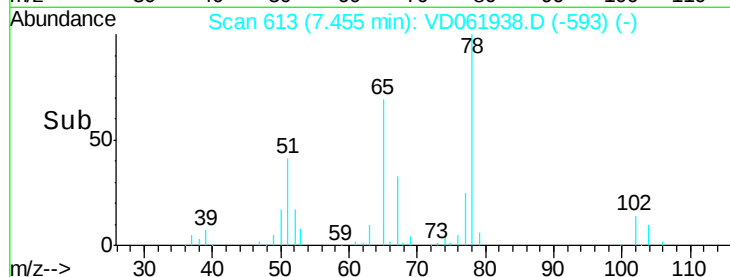
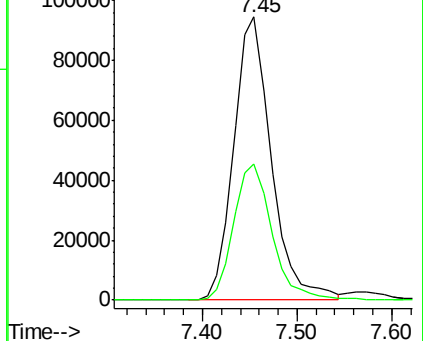
65 100

67 48.3 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

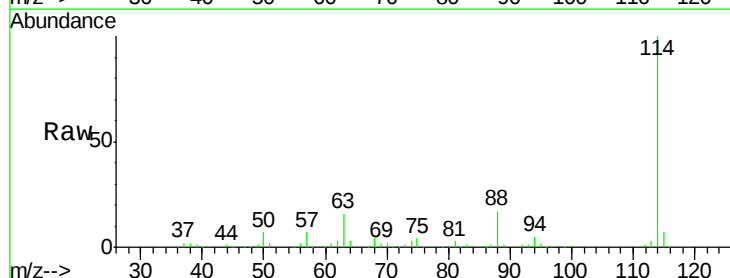
Tgt Ion: 114 Resp: 987264

Ion Ratio Lower Upper

114 100

63 16.0 0.0 32.4

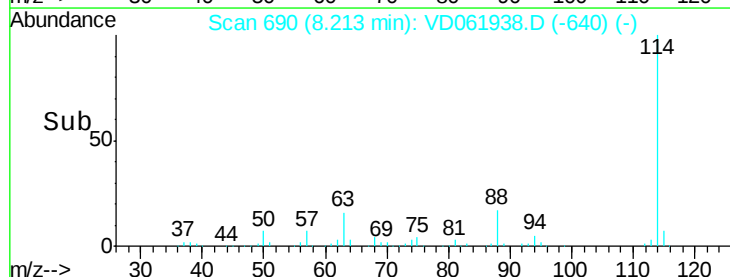
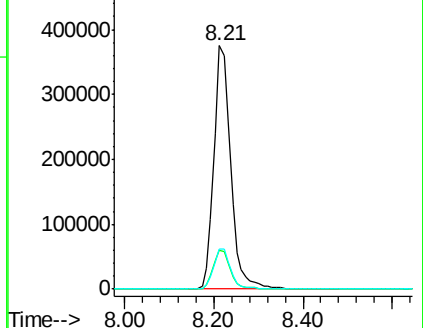
88 16.7 0.0 33.6

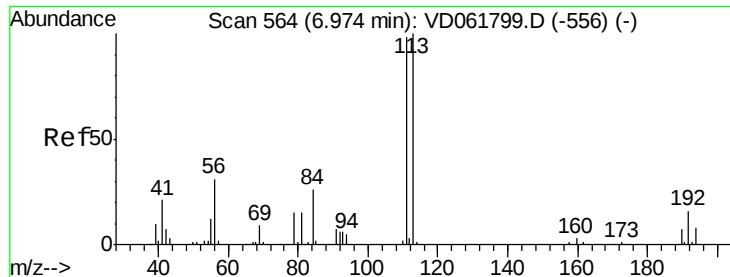


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

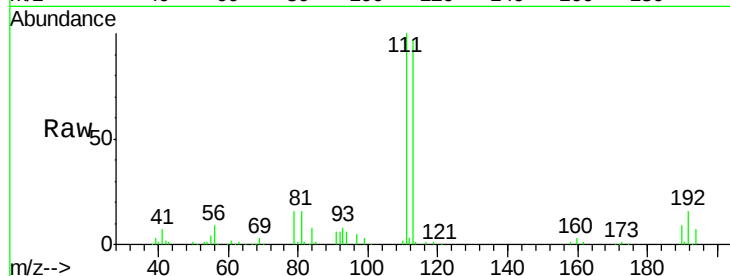
Tot Ion:113 Resp: 382887

Ion Ratio Lower Upper

113 100

111 103.3 78.5 117.7

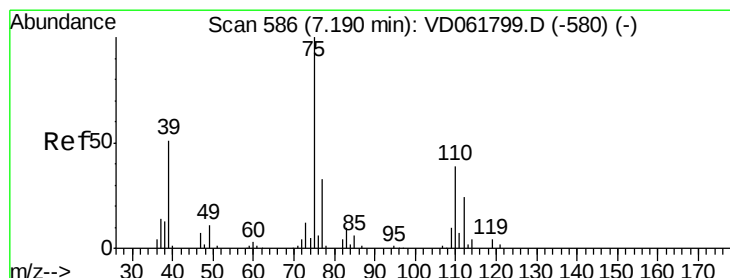
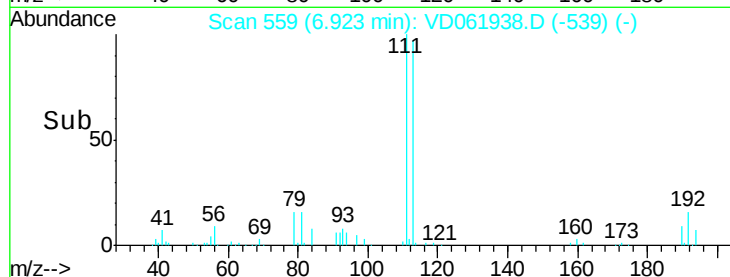
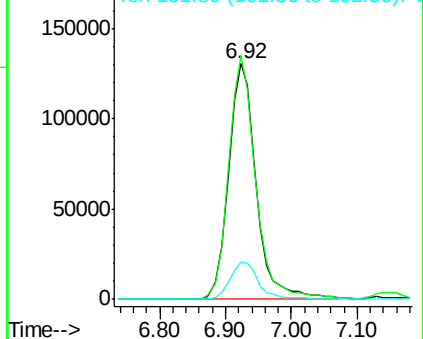
192 16.2 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.843 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

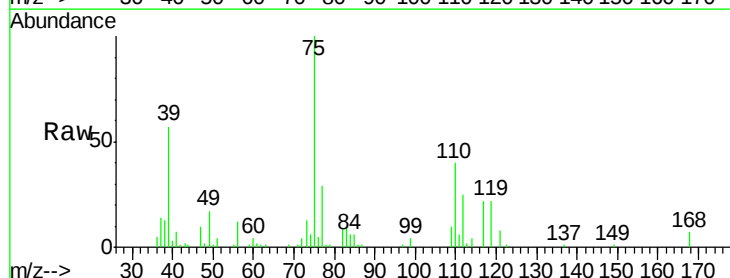
Tgt Ion: 75 Resp: 168153

Ion Ratio Lower Upper

75 100

110 40.2 19.1 57.1

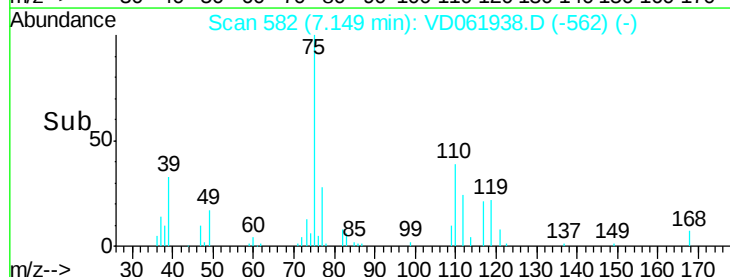
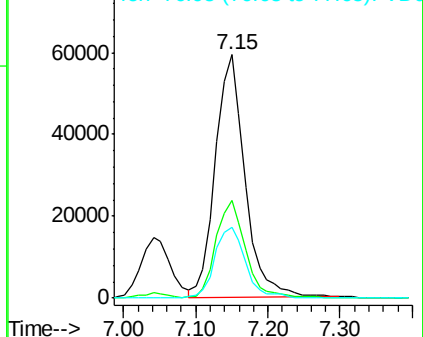
77 29.2 25.6 38.4

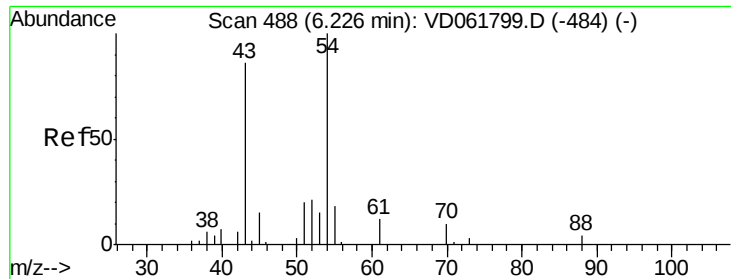


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

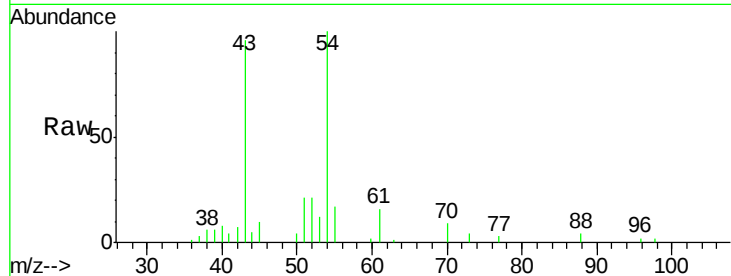




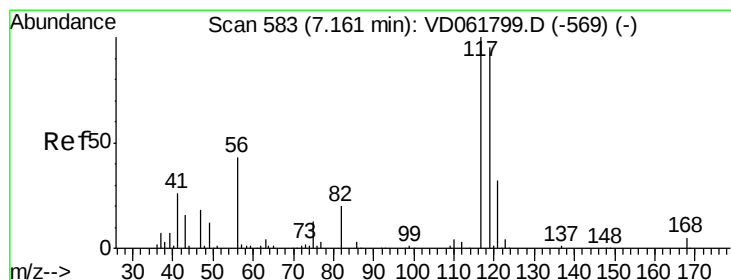
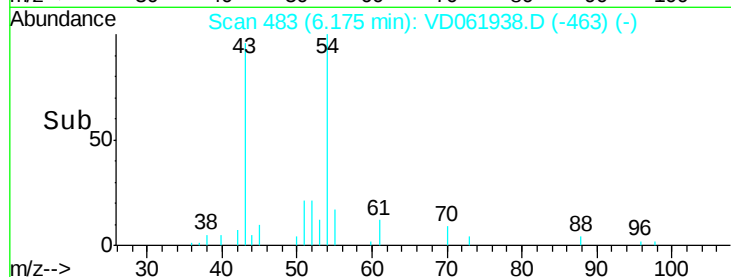
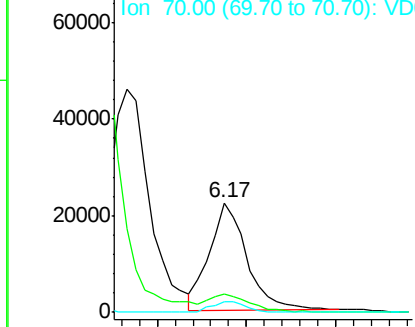
#37
Ethyl Acetate
Concen: 19.095 ug/l
RT: 6.17 min Scan# 483
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

Tot Ion: 43 Resp: 65931
Ion Ratio Lower Upper
43 100
61 16.7 14.7 22.1
70 9.7 7.8 11.6

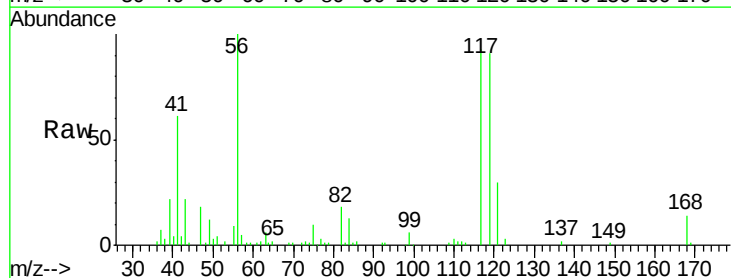


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

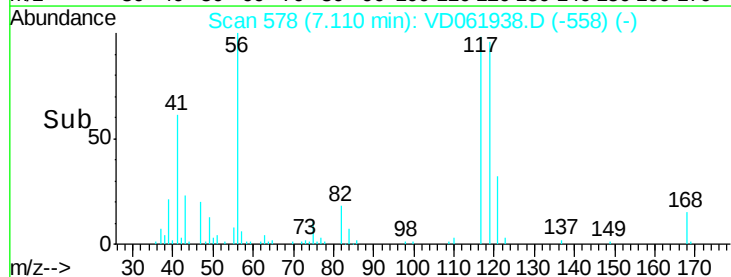
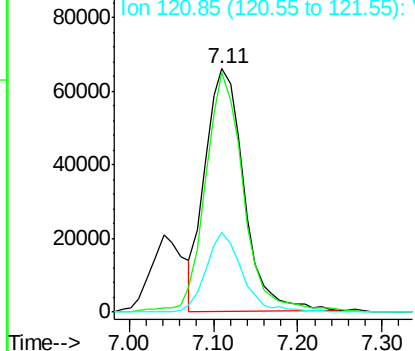


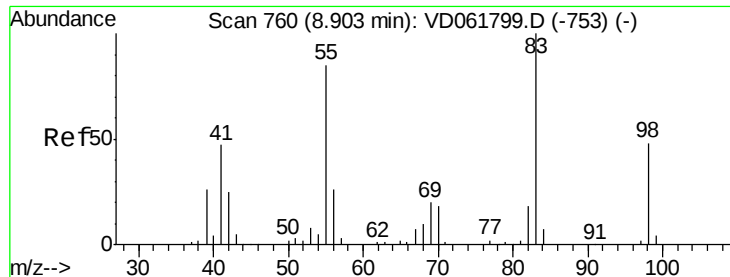
#38
Carbon Tetrachloride
Concen: 20.605 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Tgt Ion: 117 Resp: 209906
Ion Ratio Lower Upper
117 100
119 98.6 75.8 113.8
121 32.7 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

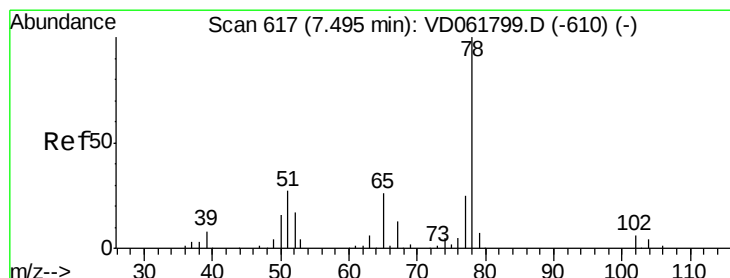
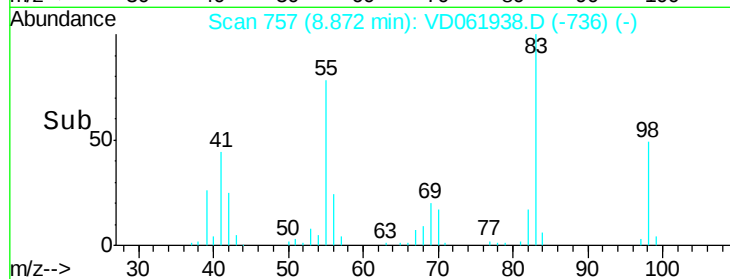
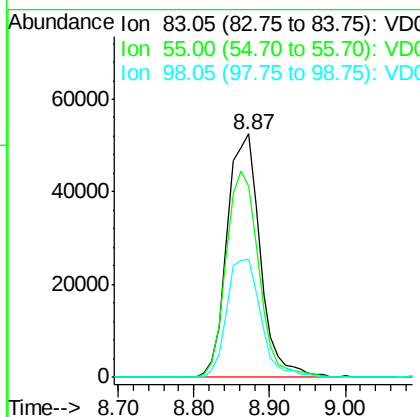
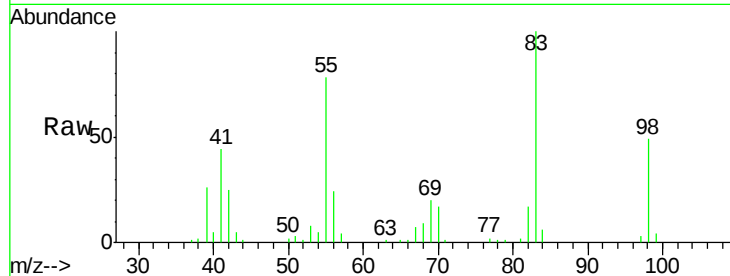




#39
Methvlcvclohexane
Concen: 18.886 ug/l
RT: 8.87 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

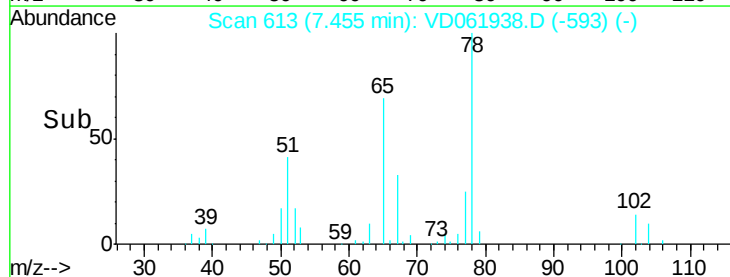
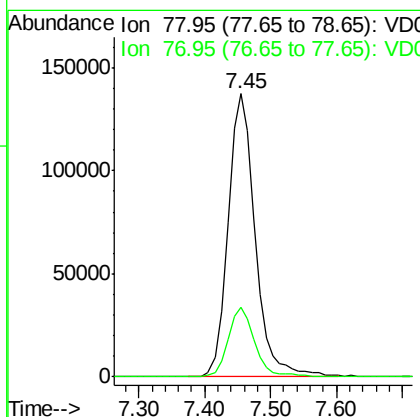
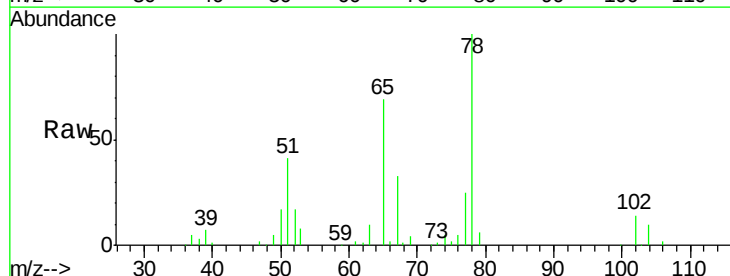
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

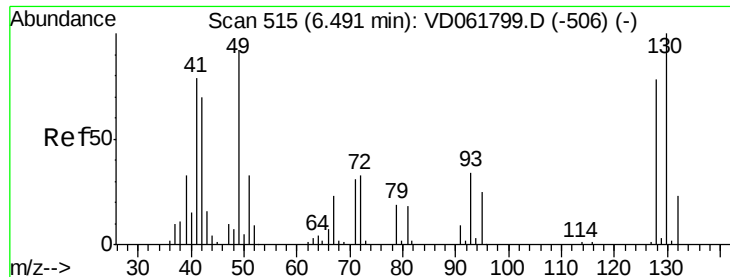
Tot Ion: 83 Resp: 158223
Ion Ratio Lower Upper
83 100
55 78.4 68.2 102.4
98 48.8 38.2 57.4



#40
Benzene
Concen: 20.410 ug/l
RT: 7.45 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Tgt Ion: 78 Resp: 395303
Ion Ratio Lower Upper
78 100
77 24.8 19.7 29.5

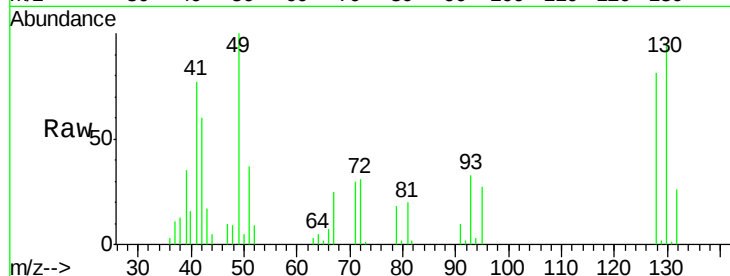




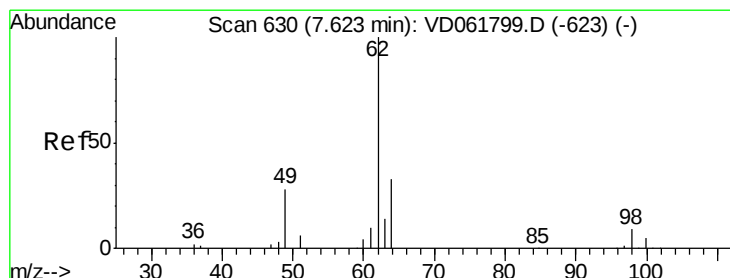
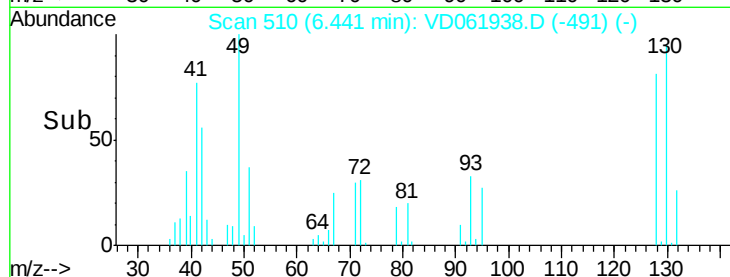
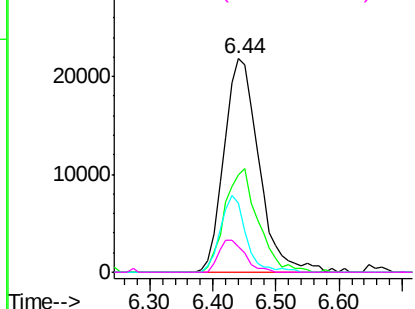
#41
Methacrylonitrile
Concen: 20.515 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

Tot Ion: 41 Resp: 83723
Ion Ratio Lower Upper
41 100
39 45.8 34.1 51.1
67 32.5 23.8 35.6
52 12.1 8.8 13.2

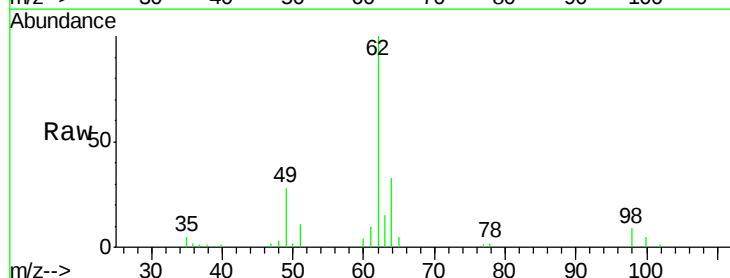


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

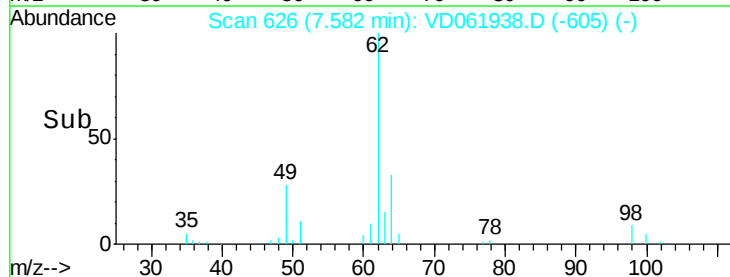
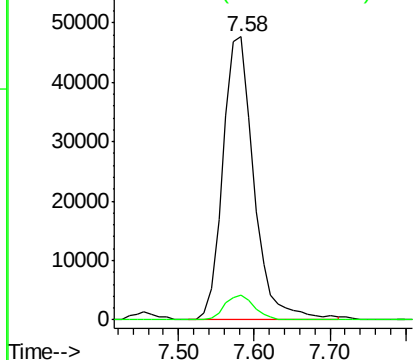


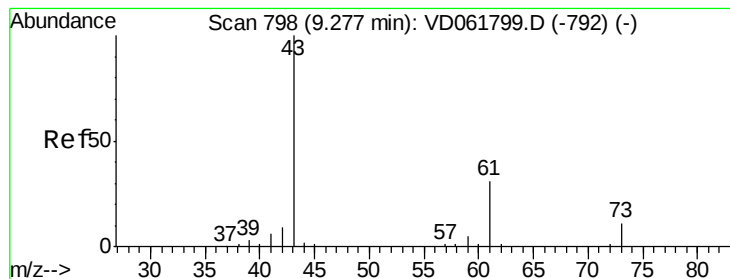
#42
1,2-Dichloroethane
Concen: 20.043 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Tgt Ion: 62 Resp: 135199
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.966 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

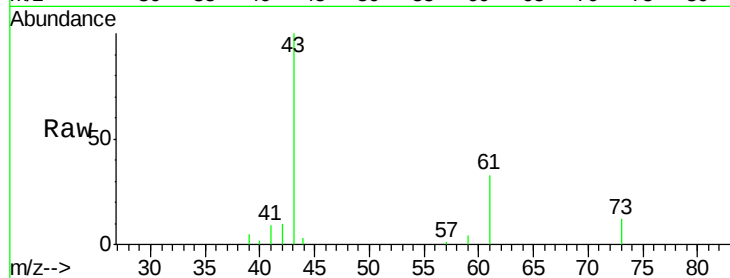
Tot Ion: 43 Resp: 92153

Ion Ratio Lower Upper

43 100

61 33.3 25.1 37.7

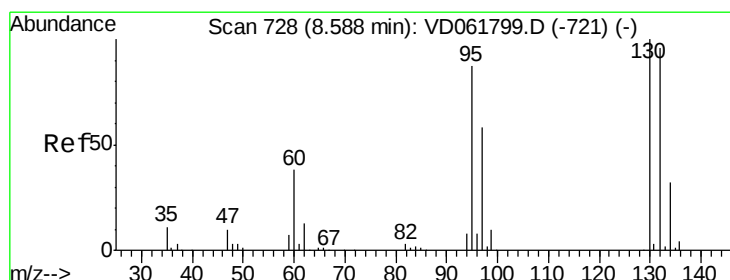
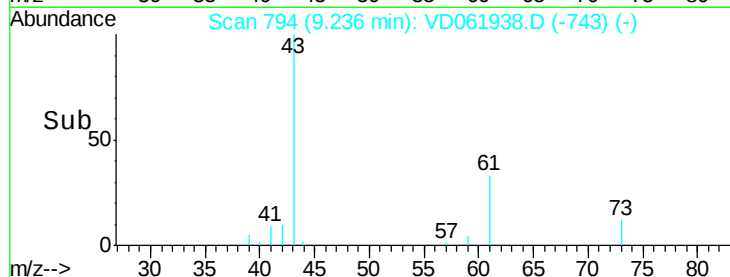
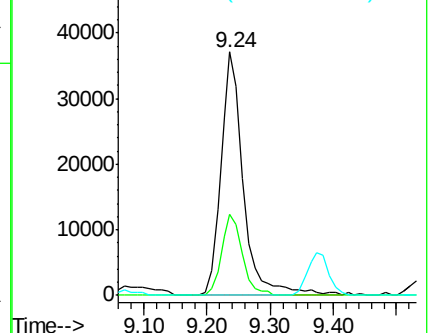
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.996 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD061938.D

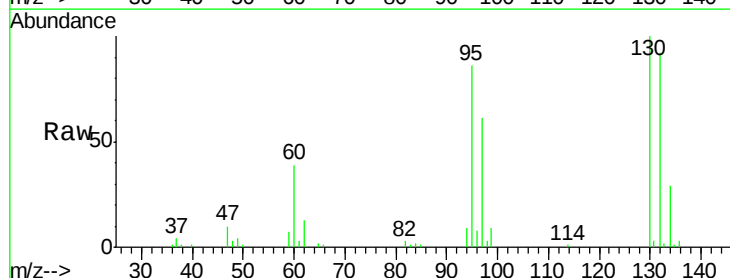
Acq: 22 Apr 2019 14:58

Tgt Ion: 130 Resp: 149090

Ion Ratio Lower Upper

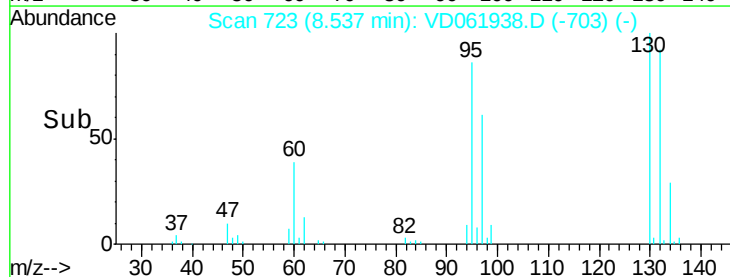
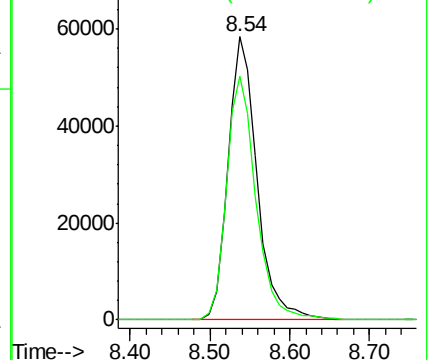
130 100

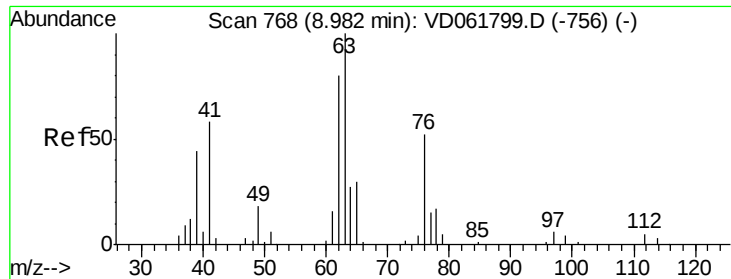
95 86.2 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.068 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

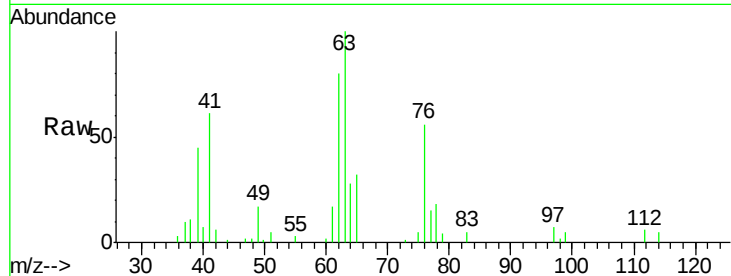
VD0422SBS01

Tot Ion: 63 Resp: 96198

Ion Ratio Lower Upper

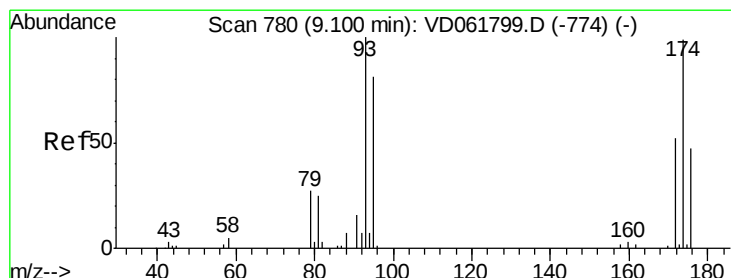
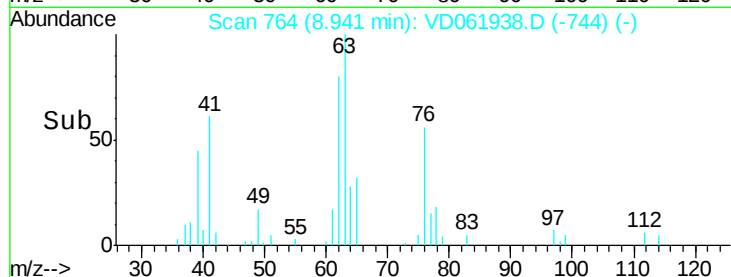
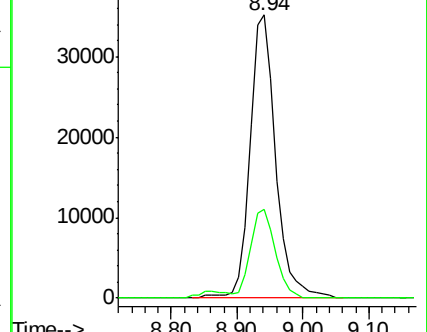
63 100

65 31.6 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.052 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

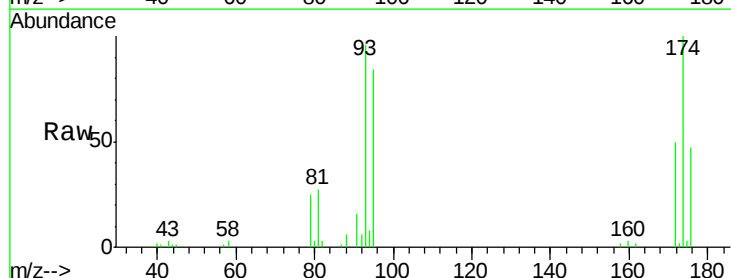
Tgt Ion: 93 Resp: 72081

Ion Ratio Lower Upper

93 100

95 87.8 64.8 97.2

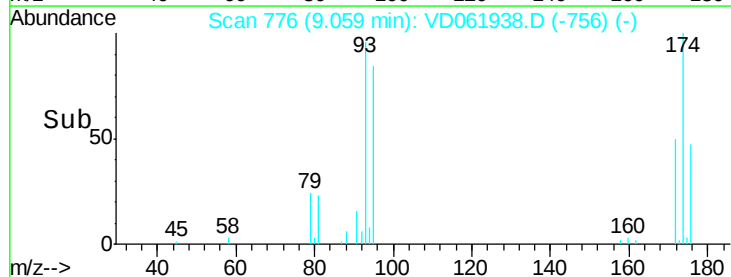
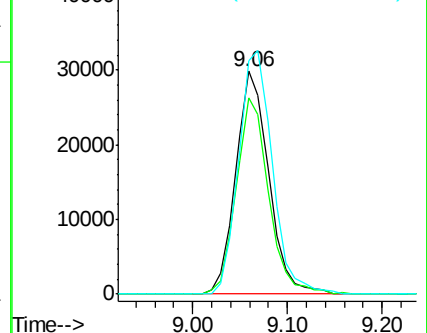
174 104.6 79.3 118.9

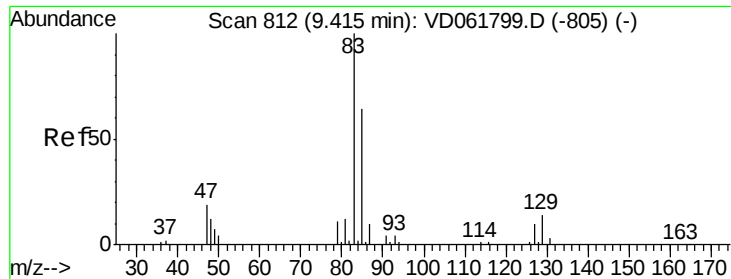


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.872 ug/l

RT: 9.37 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

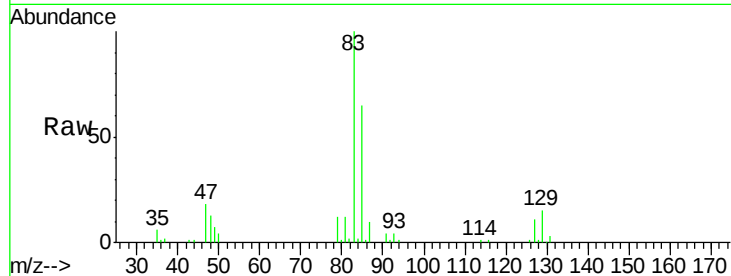
Tot Ion: 83 Resp: 164799

Ion Ratio Lower Upper

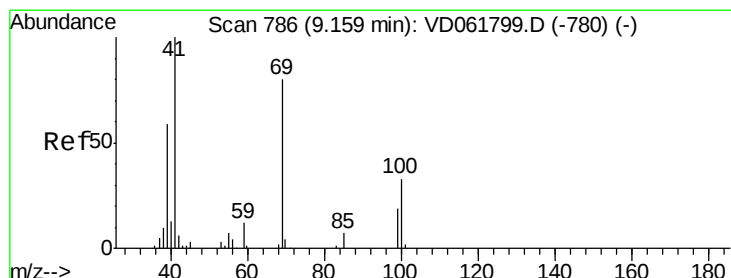
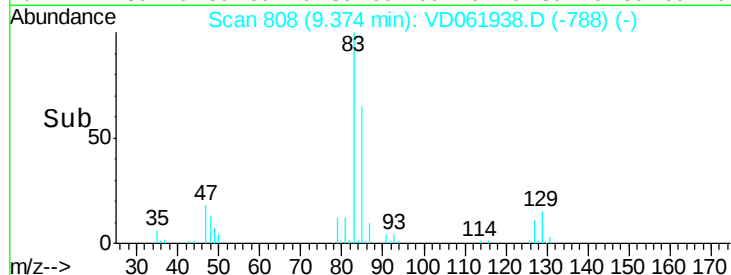
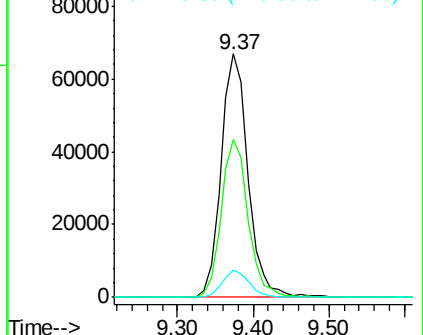
83 100

85 64.9 50.9 76.3

127 11.2 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.289 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

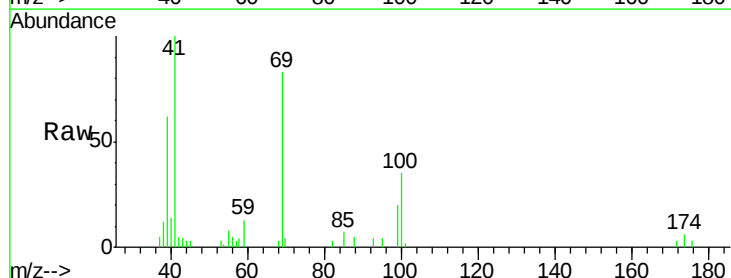
Tgt Ion: 41 Resp: 57950

Ion Ratio Lower Upper

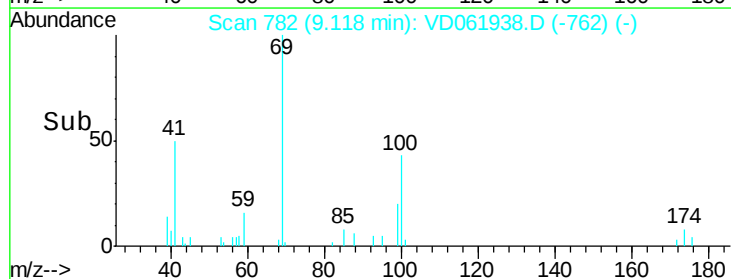
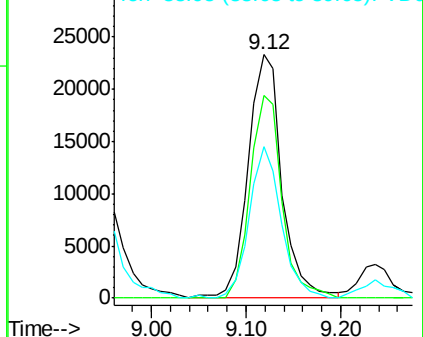
41 100

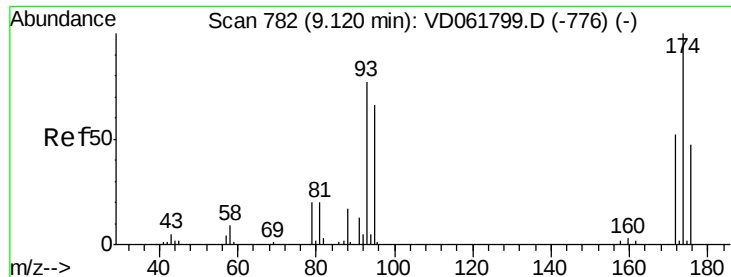
69 83.1 64.2 96.2

39 62.4 46.8 70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

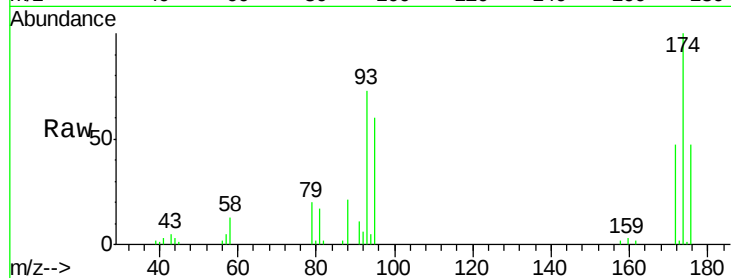




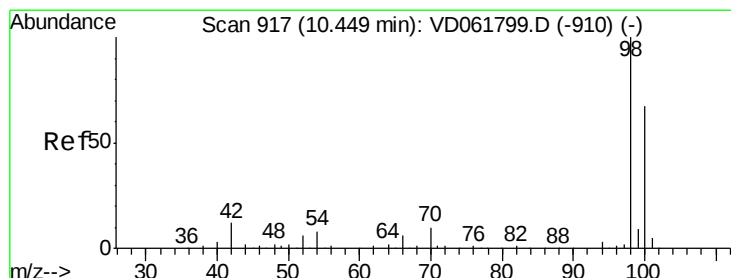
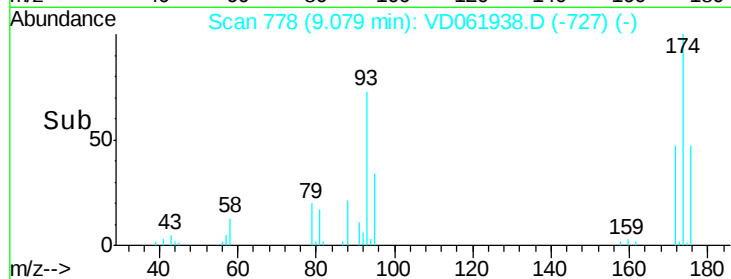
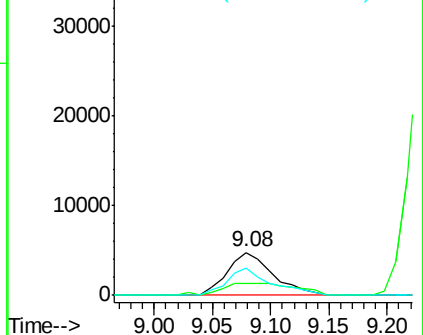
#49
1,4-Dioxane
Concen: 413.669 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

Tot Ion: 88 Resp: 12914
Ion Ratio Lower Upper
88 100
43 26.2 23.4 35.0
58 64.2 44.0 66.0

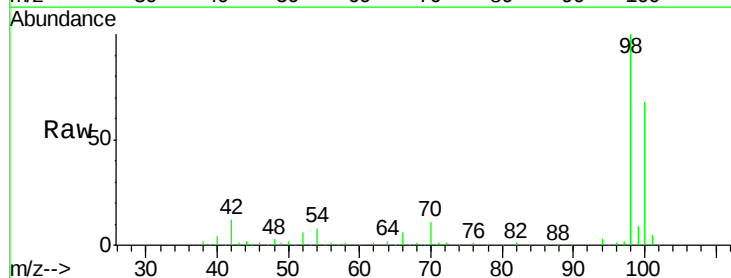


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

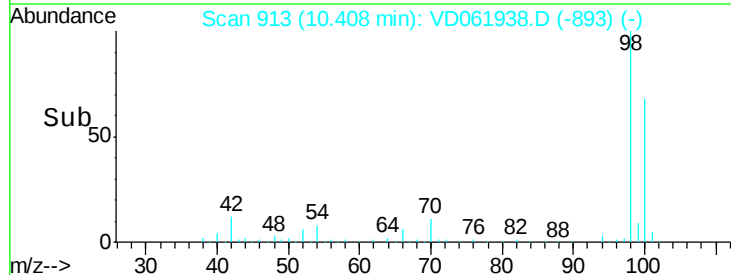
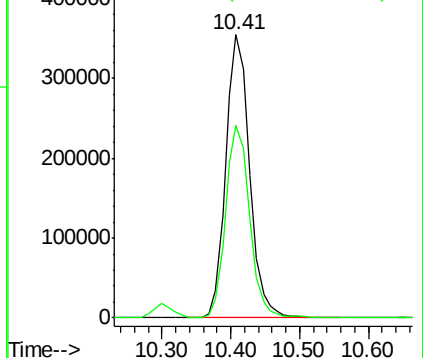


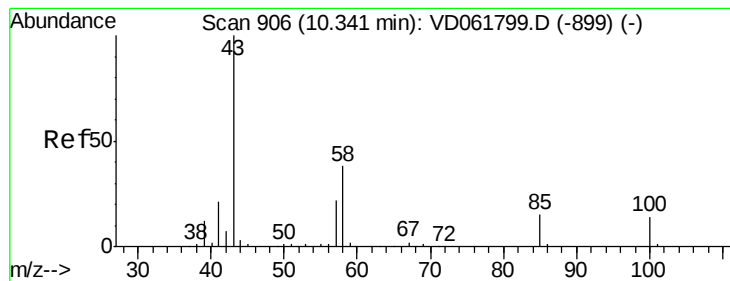
#50
Toluene-d8
Concen: 413.669 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Tgt Ion: 98 Resp: 848739
Ion Ratio Lower Upper
98 100
100 68.1 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 101.692 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

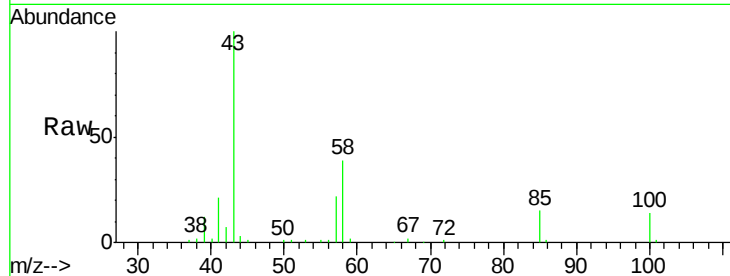
VD0422SBS01

Tot Ion: 43 Resp: 302172

Ion Ratio Lower Upper

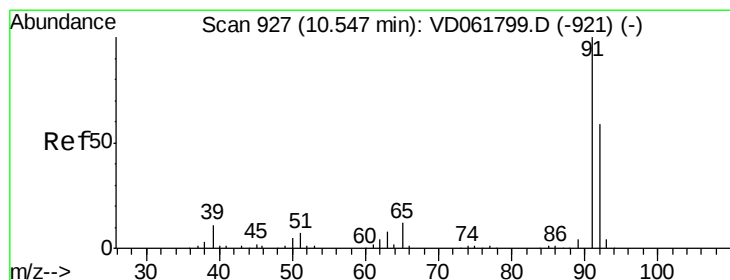
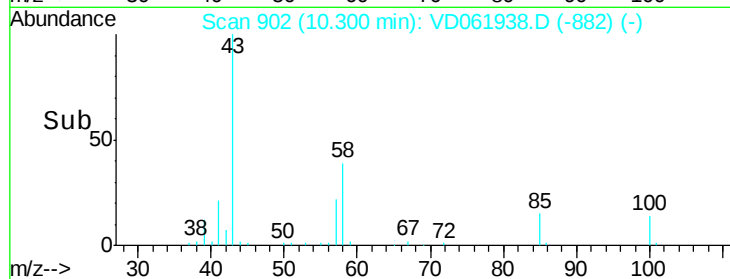
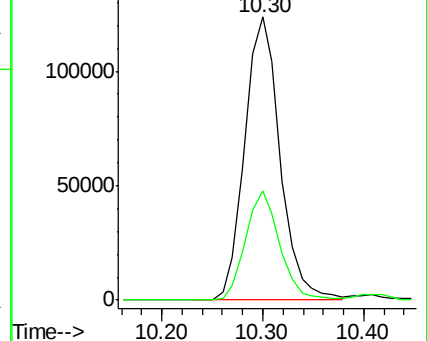
43 100

58 38.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.803 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD061938.D

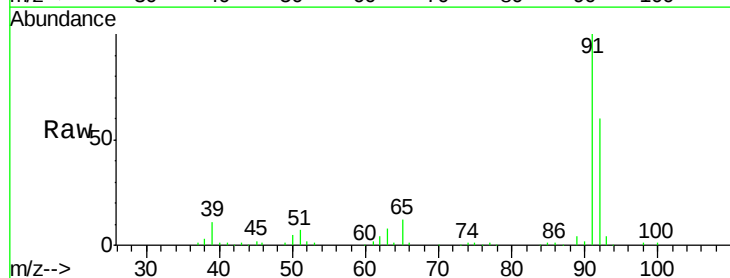
Acq: 22 Apr 2019 14:58

Tgt Ion: 92 Resp: 270615

Ion Ratio Lower Upper

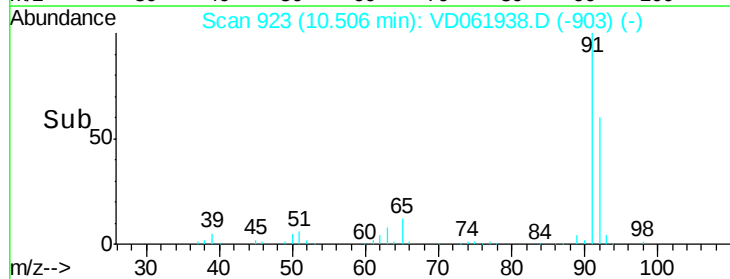
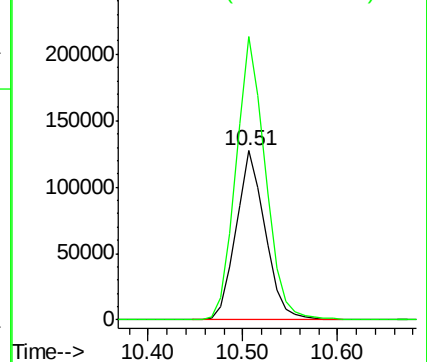
92 100

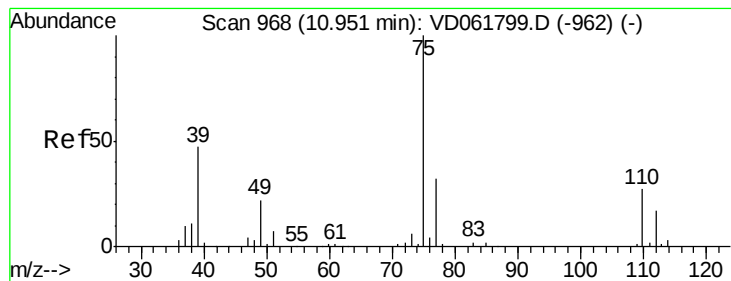
91 167.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 18.940 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

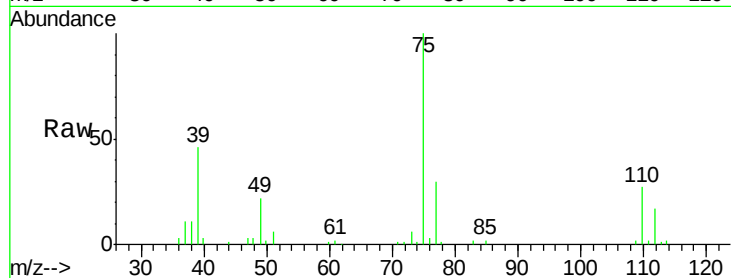
VD0422SBS01

Tot Ion: 75 Resp: 141536

Ion Ratio Lower Upper

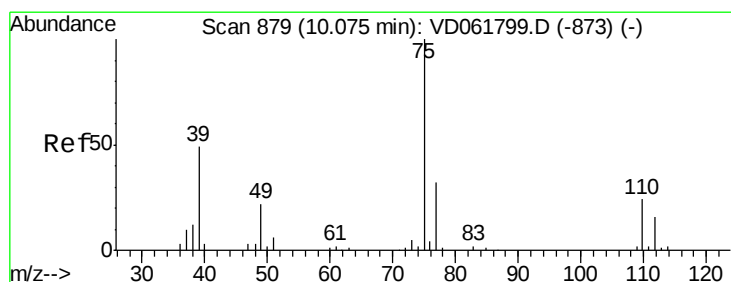
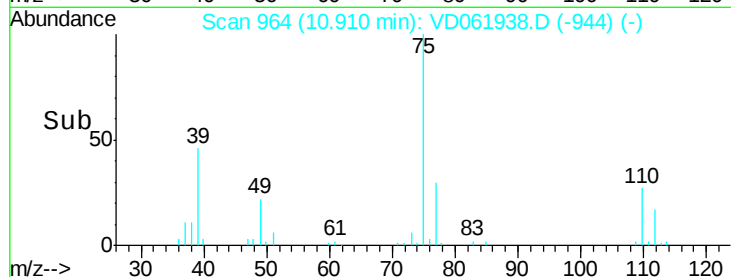
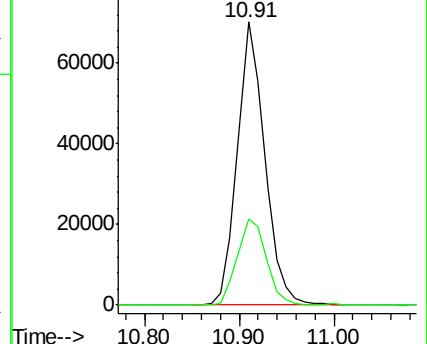
75 100

77 30.5 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 18.361 ug/l

RT: 10.03 min Scan# 875

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

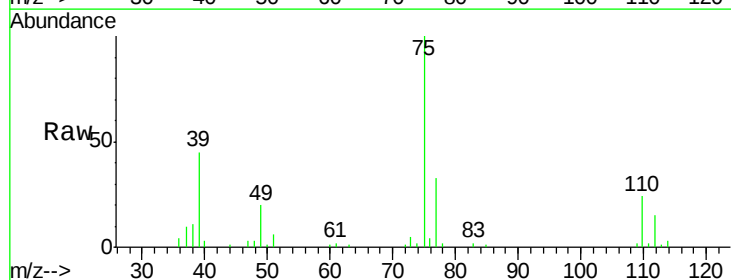
Tgt Ion: 75 Resp: 161057

Ion Ratio Lower Upper

75 100

77 32.9 25.5 38.3

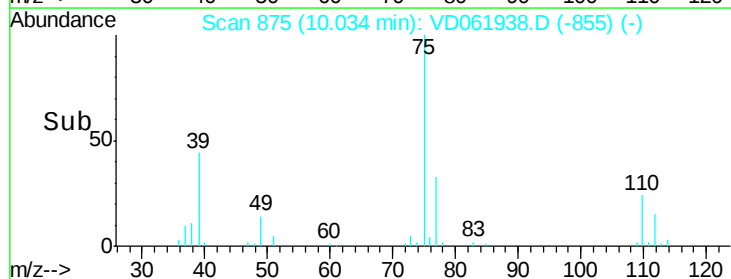
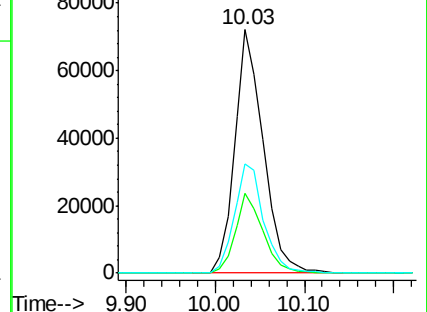
39 45.0 39.4 59.2

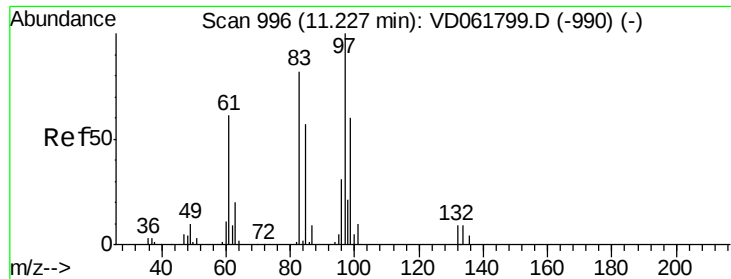


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

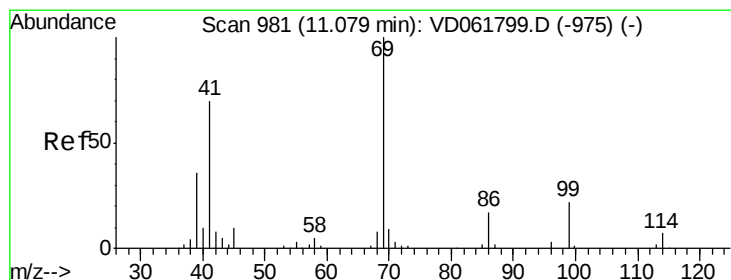
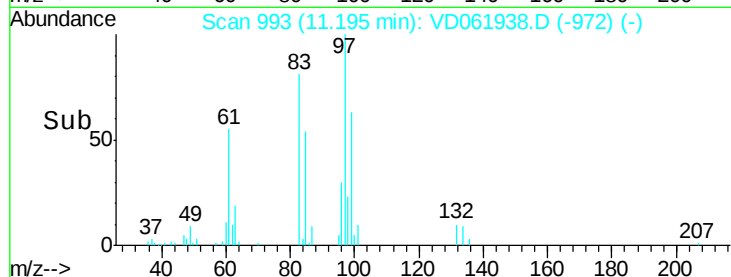
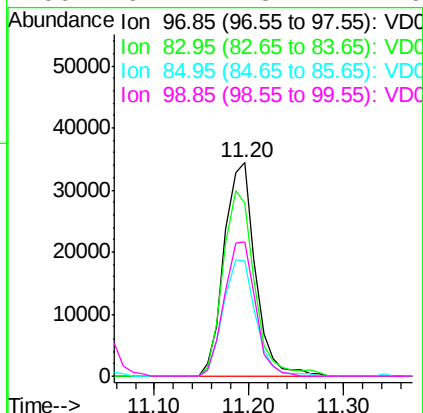
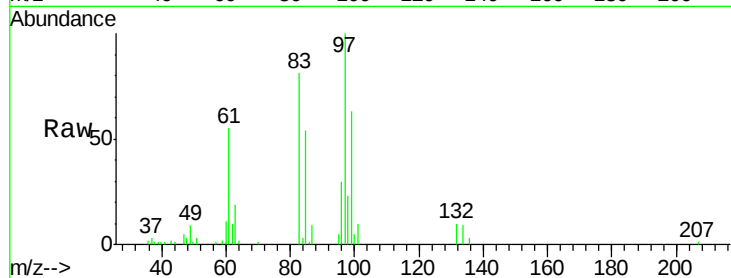




#55
 1,1,2-Trichloroethane
 Concen: 18.905 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

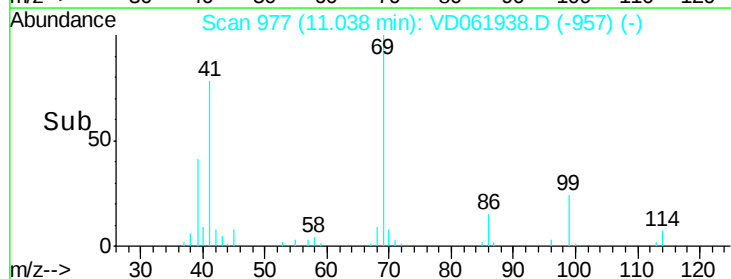
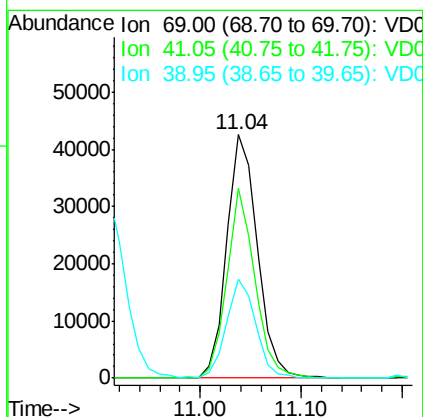
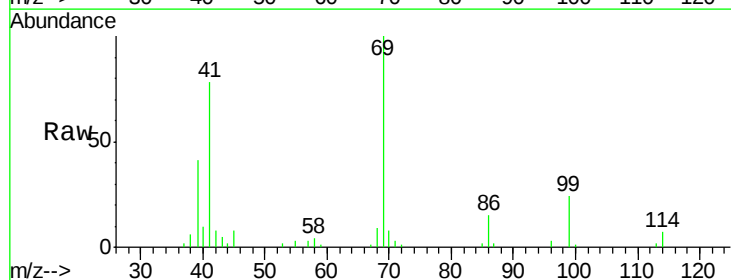
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

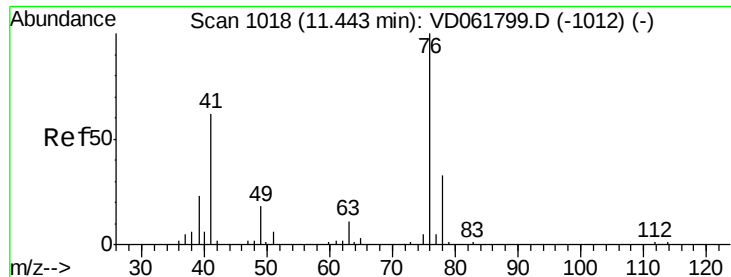
Tot Ion: 97 Resp: 79066
 Ion Ratio Lower Upper
 97 100
 83 80.8 65.7 98.5
 85 54.2 45.6 68.4
 99 62.7 48.4 72.6



#56
 Ethyl methacrylate
 Concen: 19.561 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Tgt Ion: 69 Resp: 89791
 Ion Ratio Lower Upper
 69 100
 41 78.0 56.3 84.5
 39 40.6 29.4 44.2

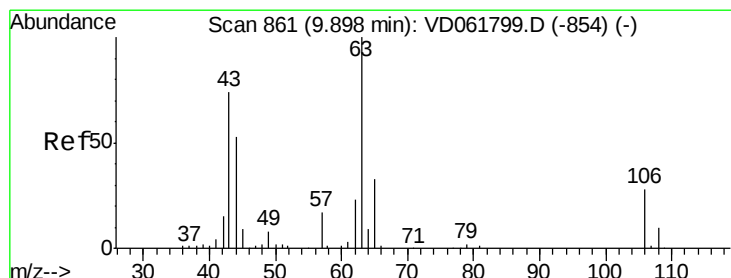
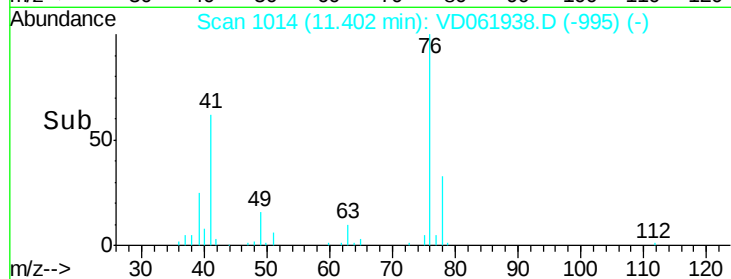
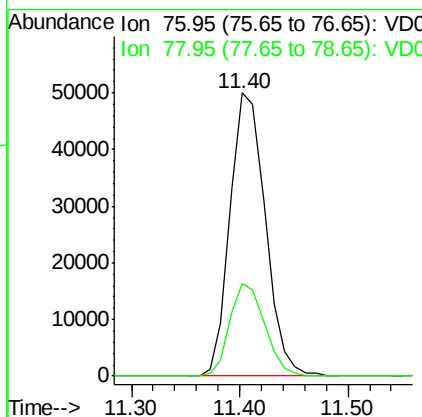
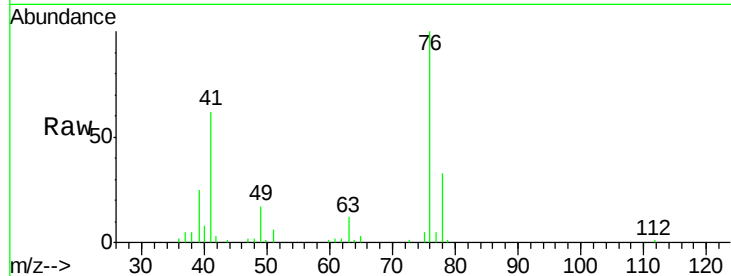




#57
 1,3-Dichloropropane
 Concen: 18.085 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

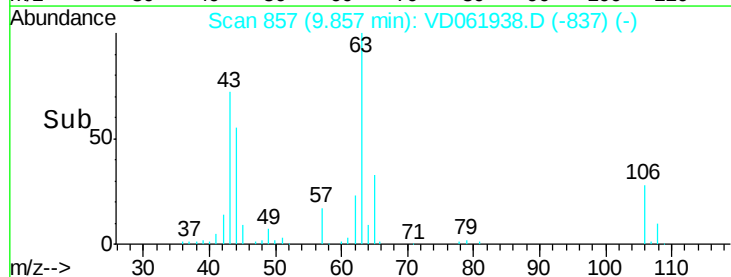
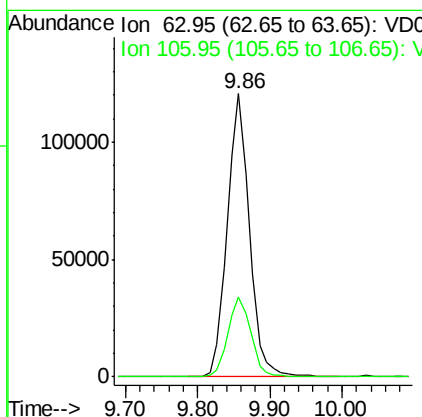
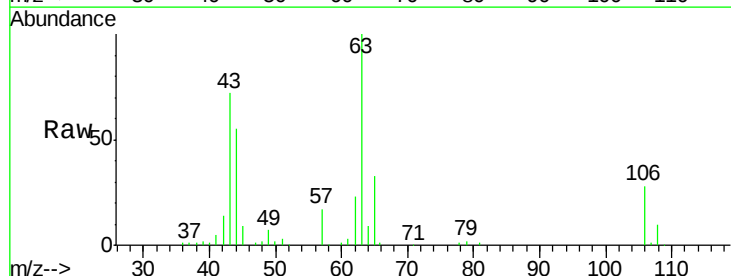
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

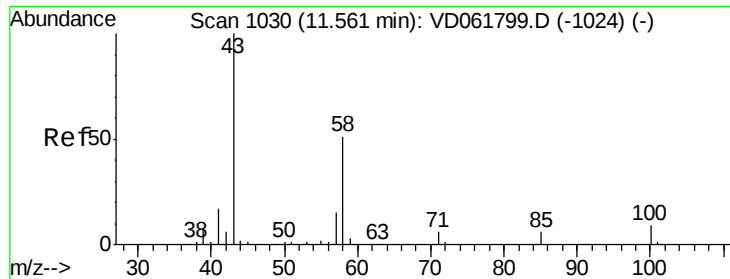
Tot Ion: 76 Resp: 113712
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.203 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Tgt Ion: 63 Resp: 258076
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.6 34.0





#59

2-Hexanone

Concen: 104.210 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

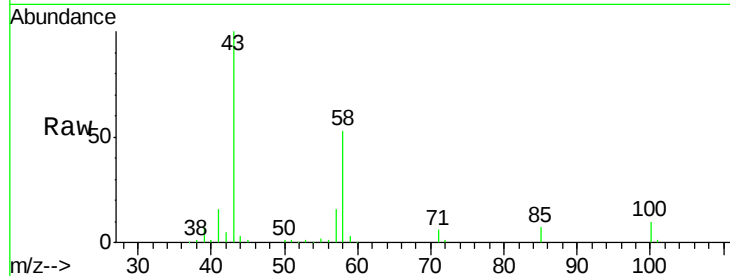
VD0422SBS01

Tot Ion: 43 Resp: 229987

Ion Ratio Lower Upper

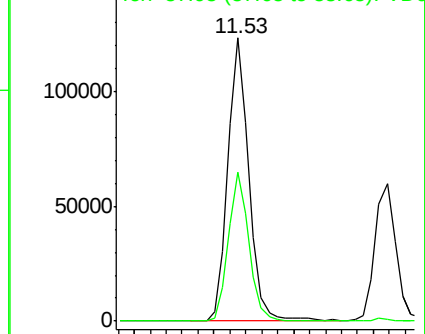
43 100

58 52.5 25.4 76.4

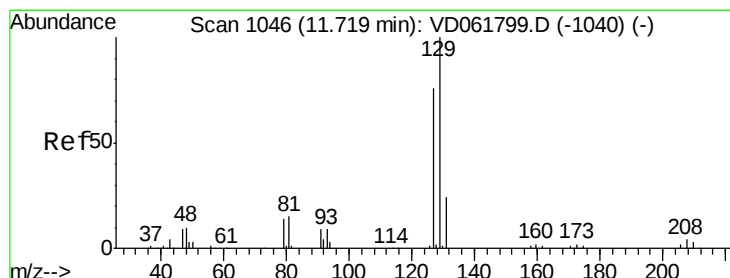
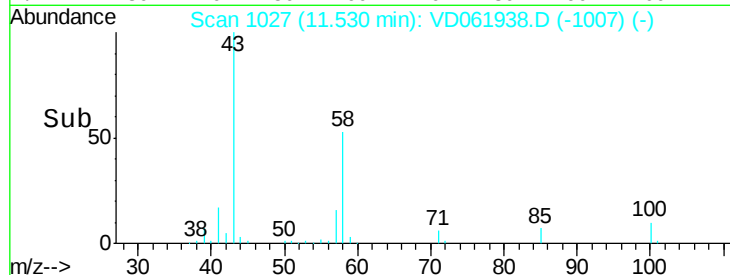


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#60

Dibromochloromethane

Concen: 20.230 ug/l

RT: 11.69 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VD061938.D

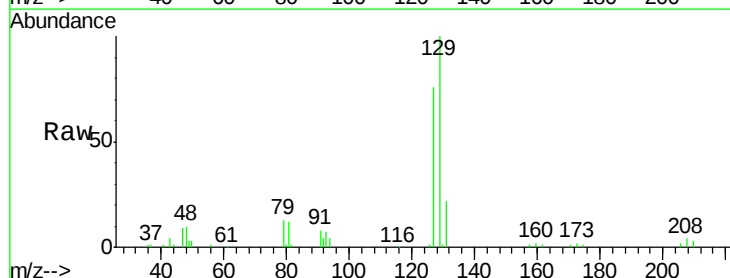
Acq: 22 Apr 2019 14:58

Tgt Ion: 129 Resp: 138442

Ion Ratio Lower Upper

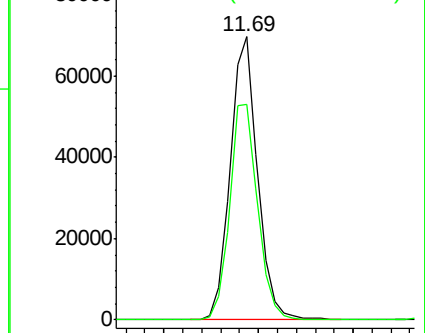
129 100

127 76.2 38.0 113.9

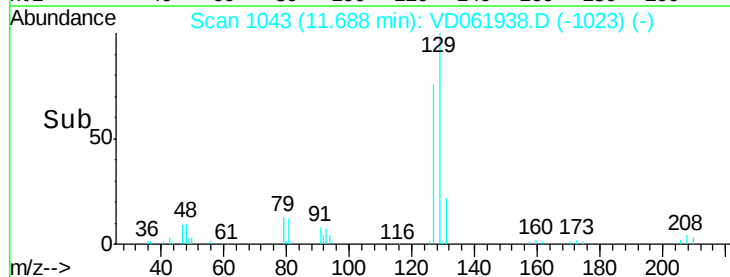


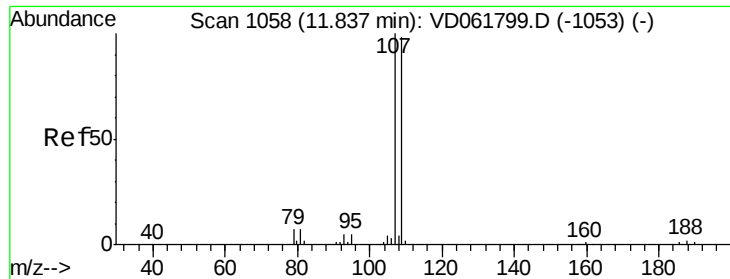
Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->

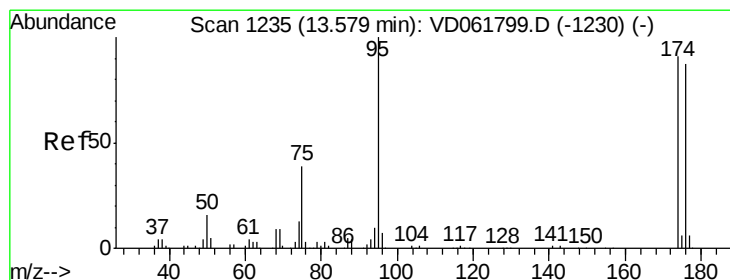
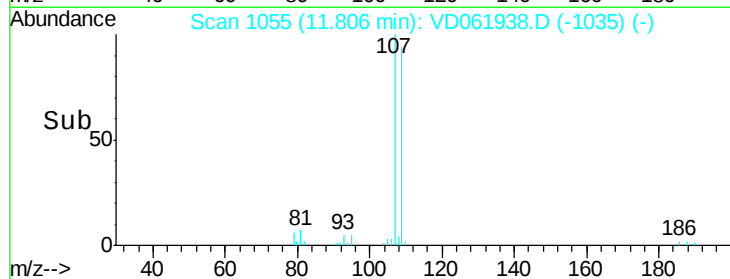
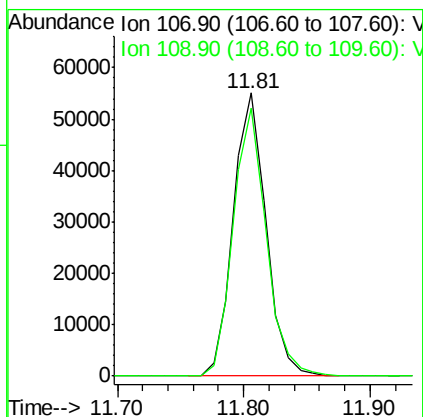
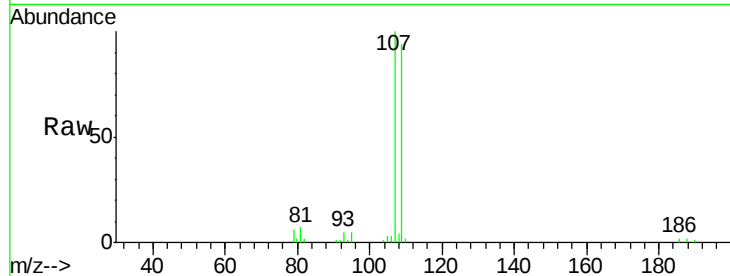




#61
 1,2-Dibromoethane
 Concen: 19.159 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

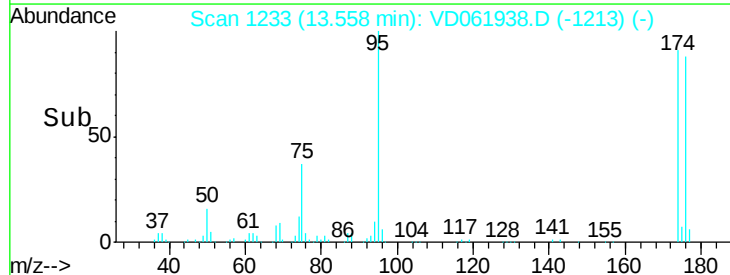
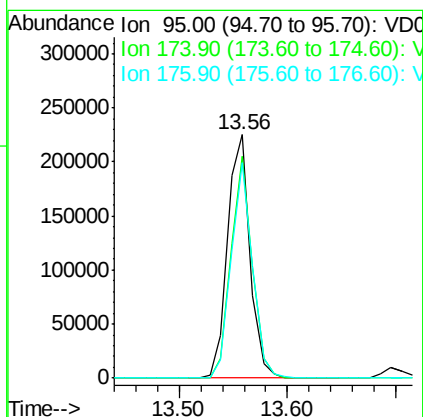
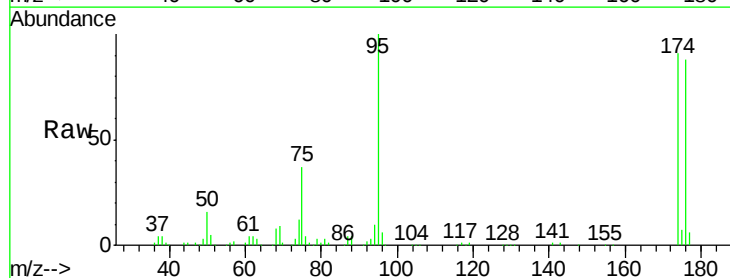
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

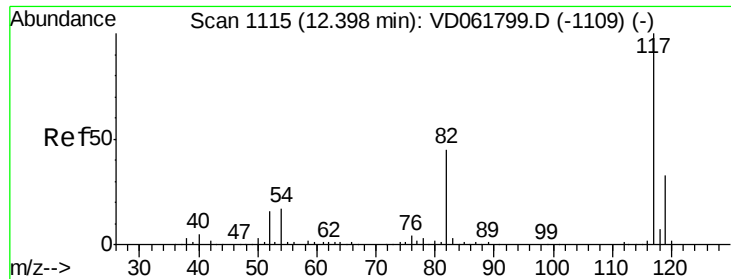
Tot Ion:107 Resp: 98529
 Ion Ratio Lower Upper
 107 100
 109 94.5 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 19.159 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Tgt Ion: 95 Resp: 324244
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 181.8
 176 88.2 0.0 174.4

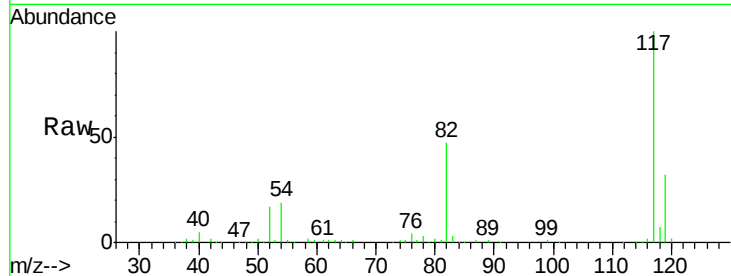




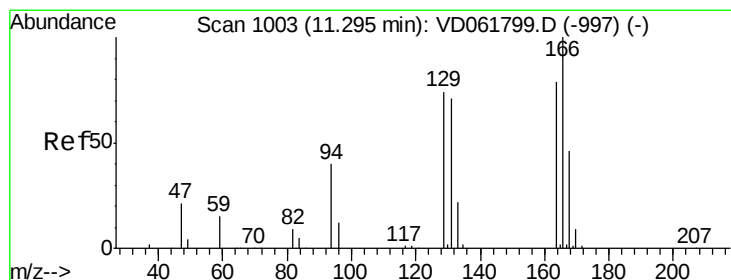
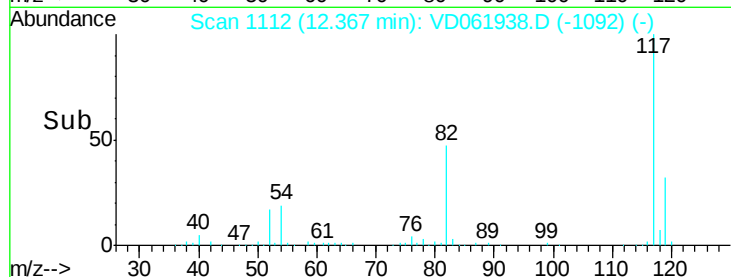
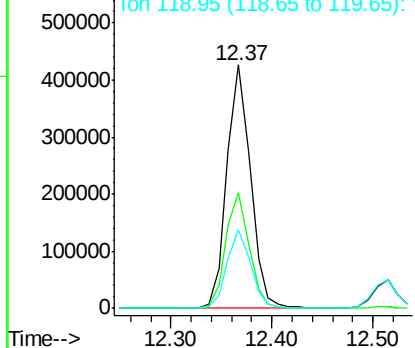
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

Tot Ion:117 Resp: 697311
Ion Ratio Lower Upper
117 100
82 47.4 36.2 54.2
119 32.2 26.2 39.4

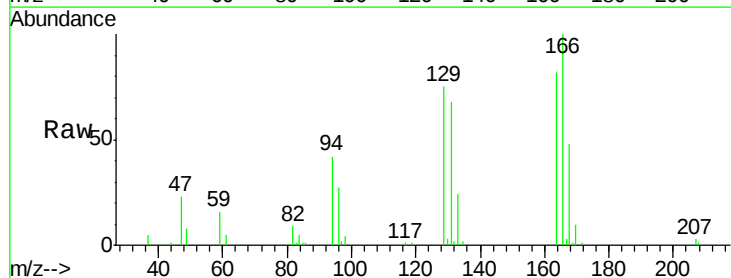


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

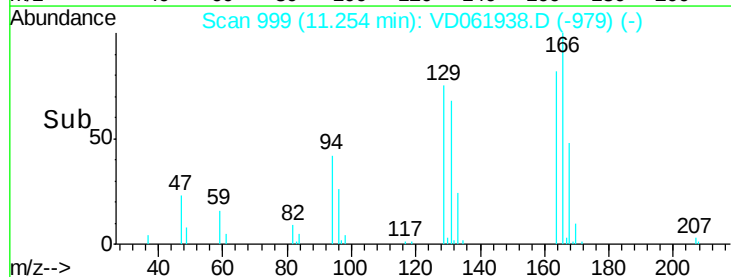
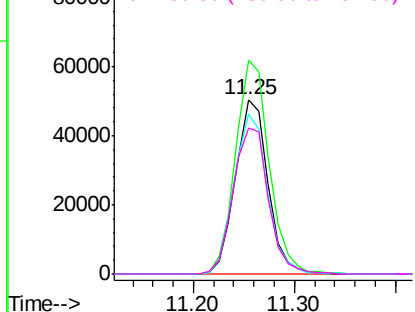


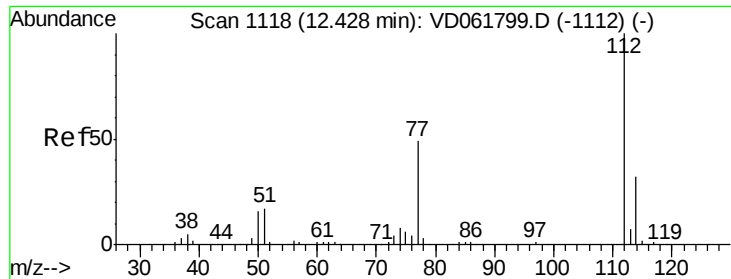
#64
Tetrachloroethene
Concen: 21.606 ug/l
RT: 11.25 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Tgt Ion:164 Resp: 112987
Ion Ratio Lower Upper
164 100
166 122.3 101.5 152.3
129 91.7 74.6 112.0
131 83.5 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

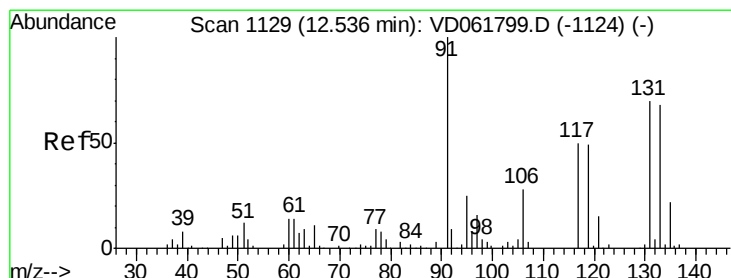
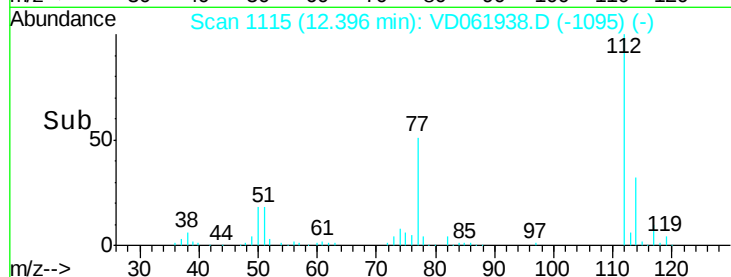
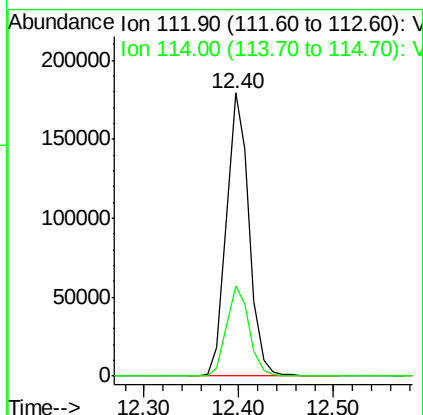
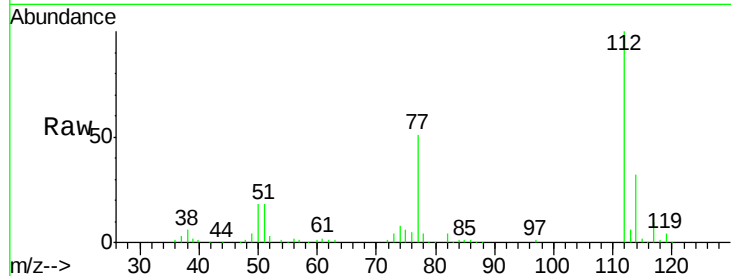




#65
Chlorobenzene
Concen: 22.746 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

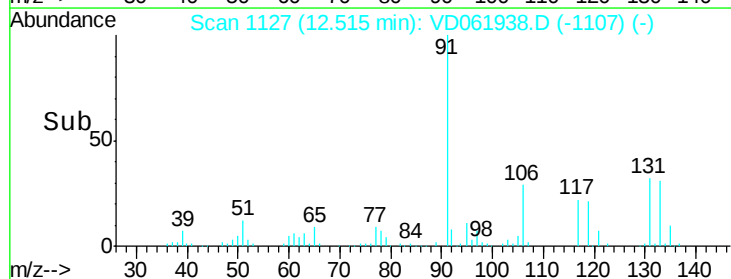
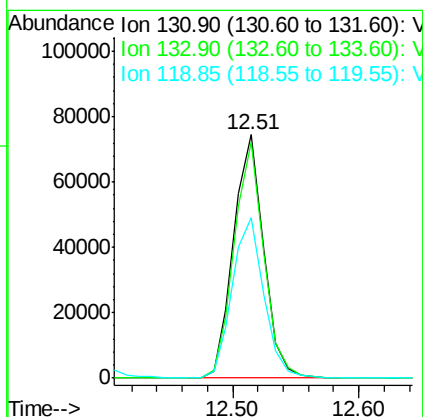
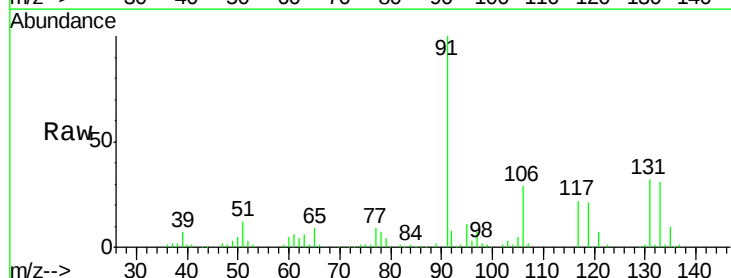
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

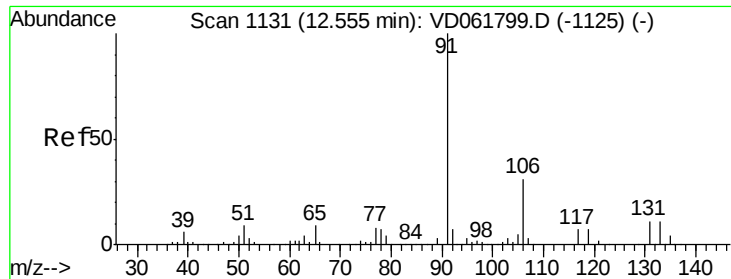
Tot Ion:112 Resp: 295382
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.546 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Tgt Ion:131 Resp: 122700
Ion Ratio Lower Upper
131 100
133 97.1 48.6 145.8
119 66.1 34.7 104.1

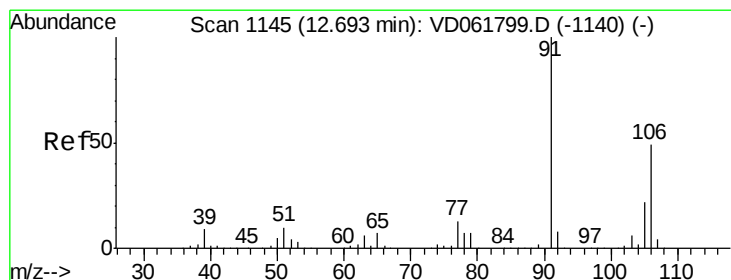
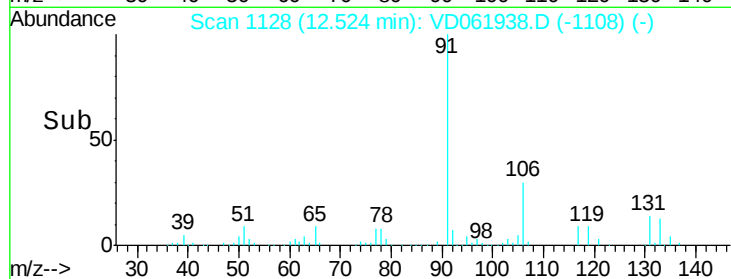
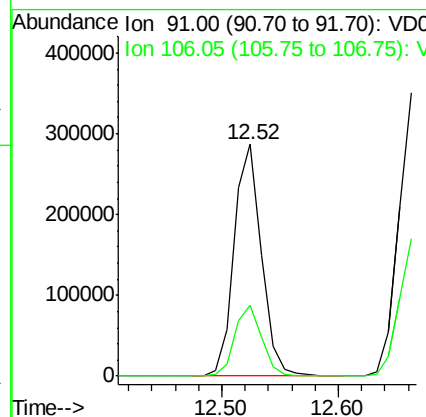
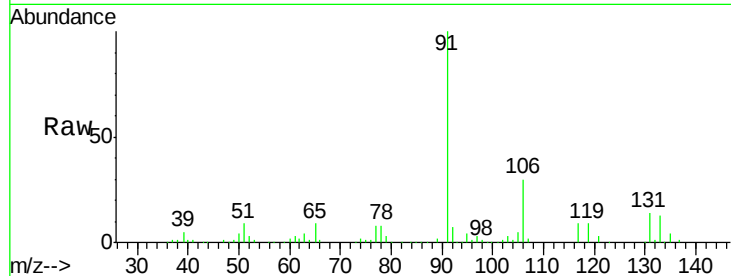




#67
Ethyl Benzene
Concen: 22.345 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

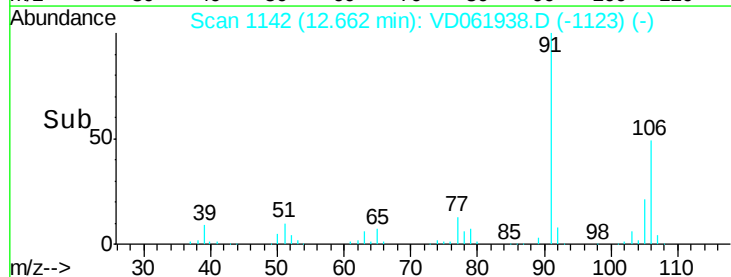
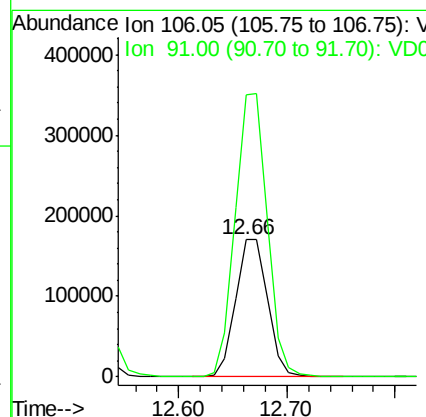
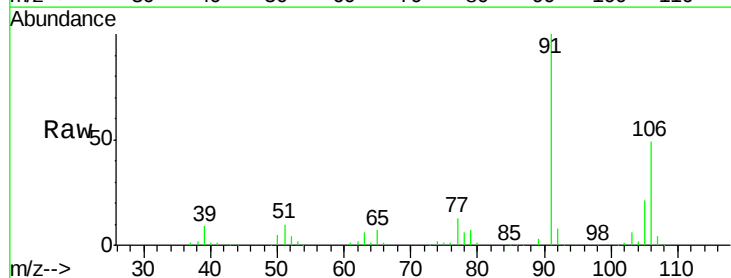
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

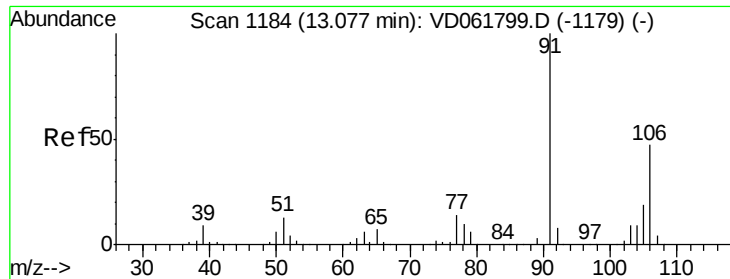
Tot Ion: 91 Resp: 464699
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1



#68
m/p-Xylenes
Concen: 44.872 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Tgt Ion:106 Resp: 350534
Ion Ratio Lower Upper
106 100
91 205.5 164.0 246.0

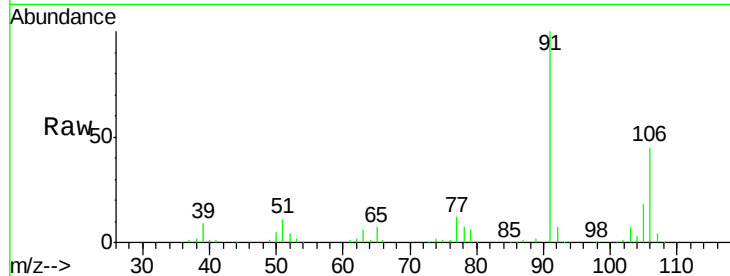




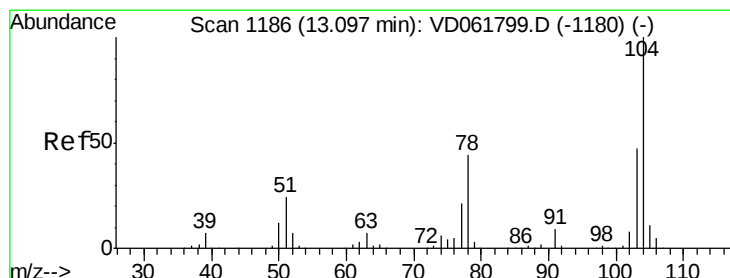
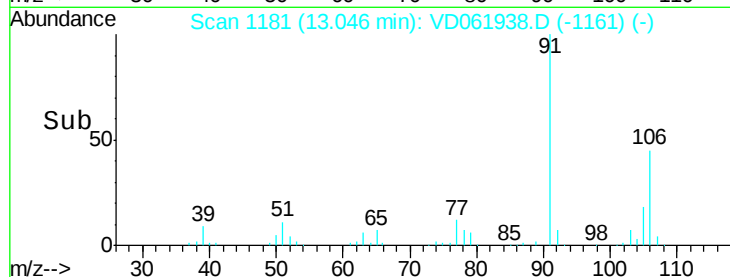
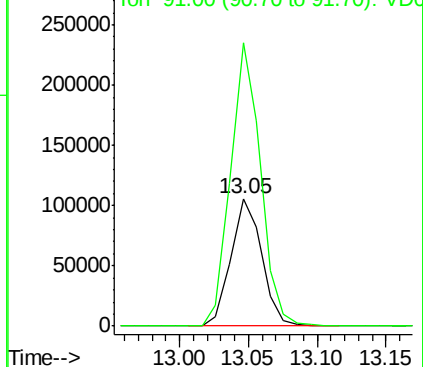
#69
o-Xylene
Concen: 22.352 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

Tot Ion:106 Resp: 164120
Ion Ratio Lower Upper
106 100
91 222.4 106.7 319.9

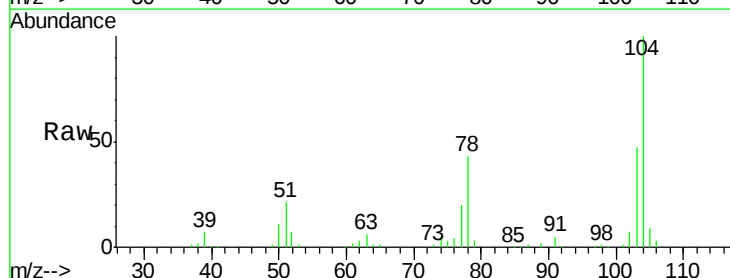


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

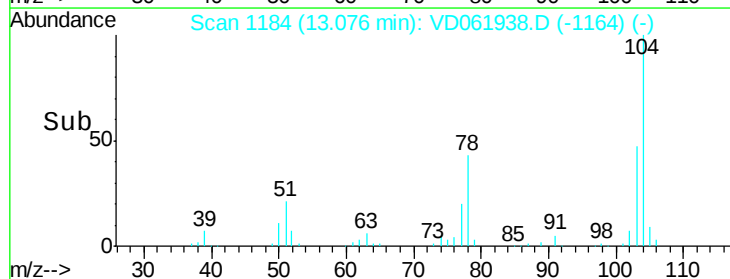
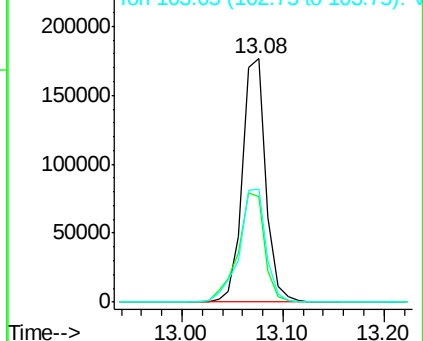


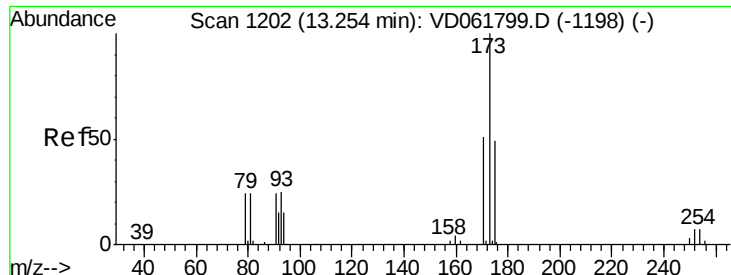
#70
Styrene
Concen: 22.584 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Tgt Ion:104 Resp: 285363
Ion Ratio Lower Upper
104 100
78 43.2 35.4 53.2
103 46.7 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

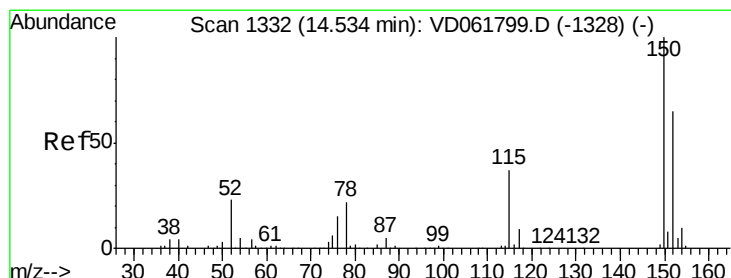
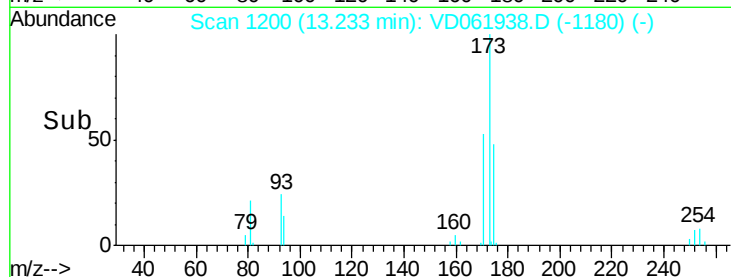
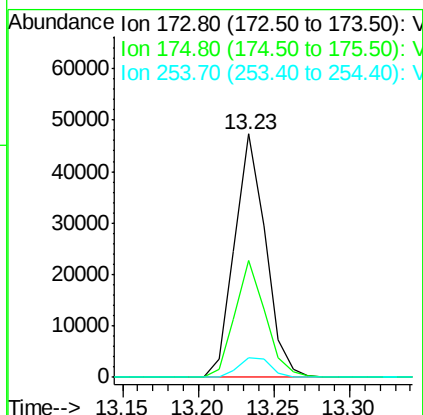
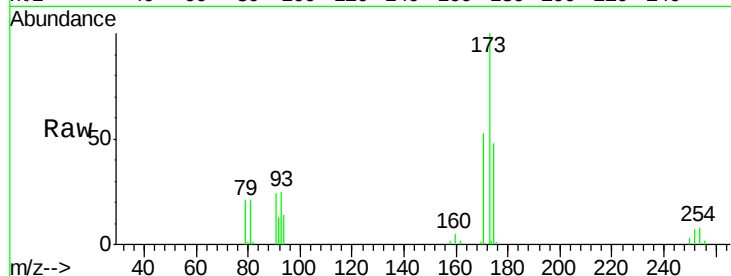




#71
Bromoform
Concen: 20.850 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

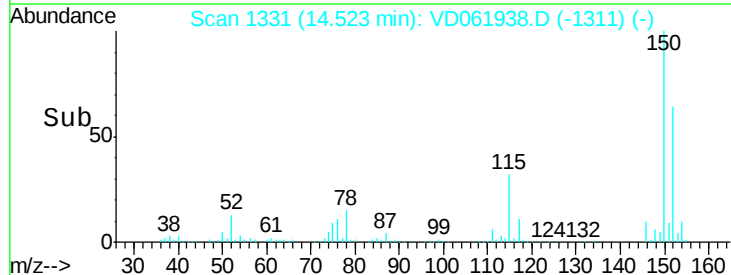
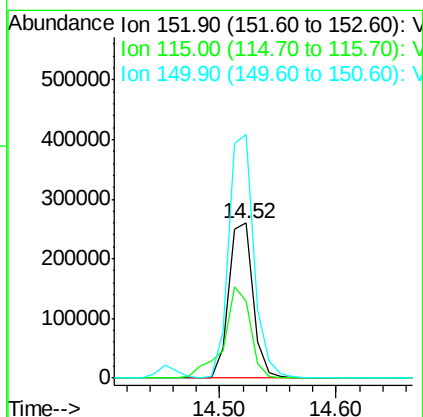
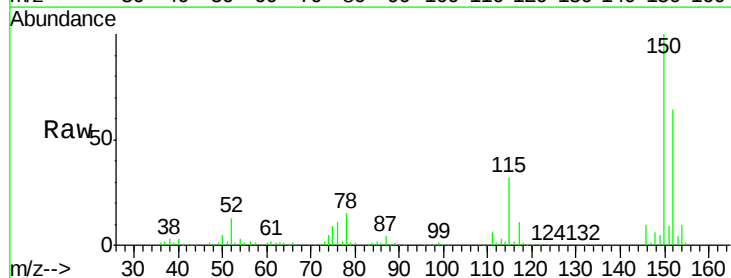
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

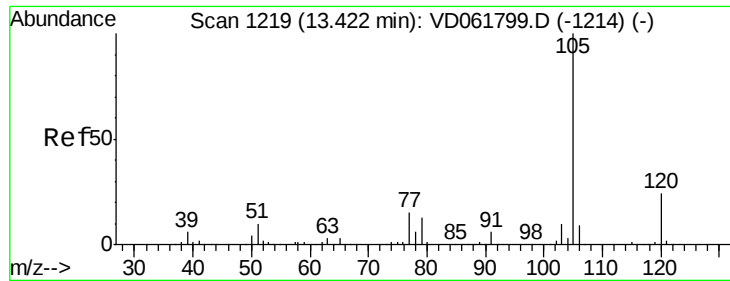
Tot Ion:173 Resp: 67352
Ion Ratio Lower Upper
173 100
175 48.0 24.4 73.4
254 7.9 5.4 8.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Tgt Ion:152 Resp: 375634
Ion Ratio Lower Upper
152 100
115 49.8 30.9 92.7
150 157.4 0.0 314.8





#73

Isopropylbenzene

Concen: 19.690 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

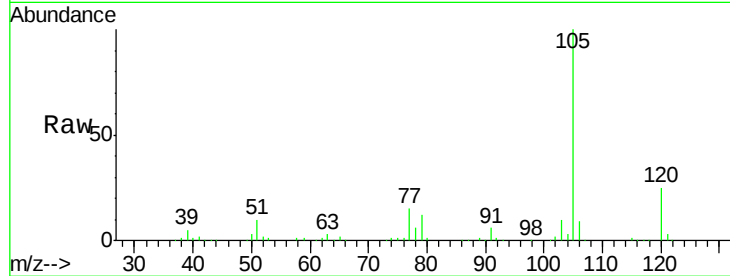
VD0422SBS01

Tot Ion:105 Resp: 479676

Ion Ratio Lower Upper

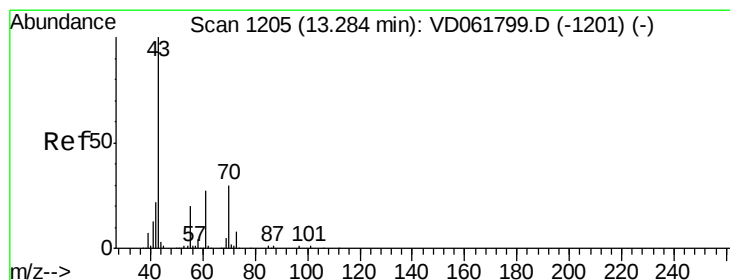
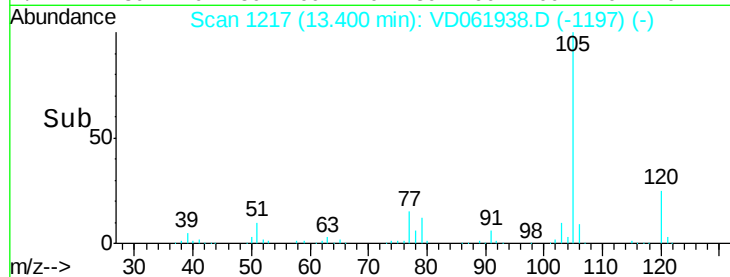
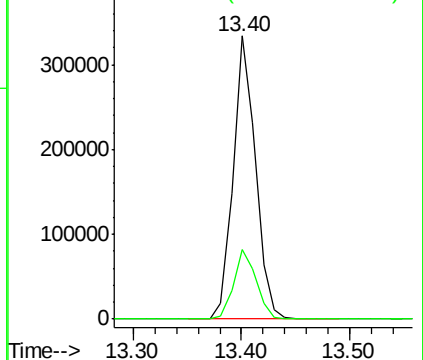
105 100

120 24.7 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 17.295 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Tgt Ion: 43 Resp: 113296

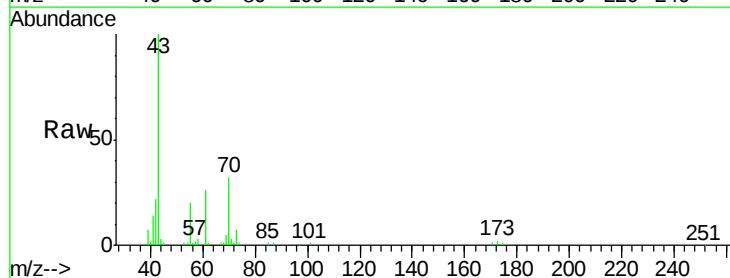
Ion Ratio Lower Upper

43 100

70 31.7 24.2 36.4

55 19.6 16.0 24.0

61 26.5 21.6 32.4

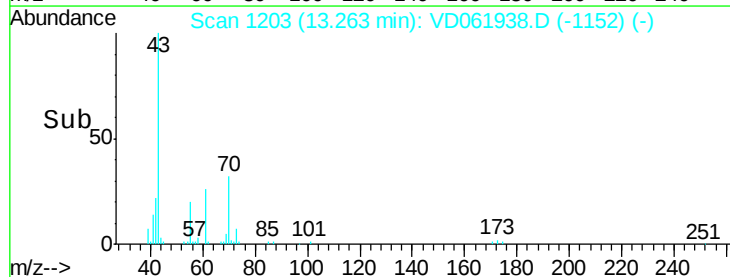
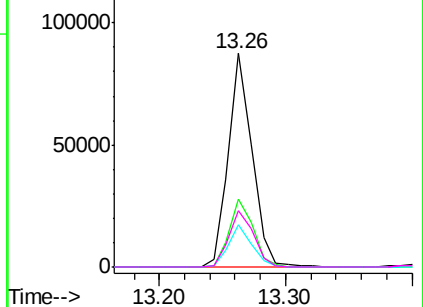


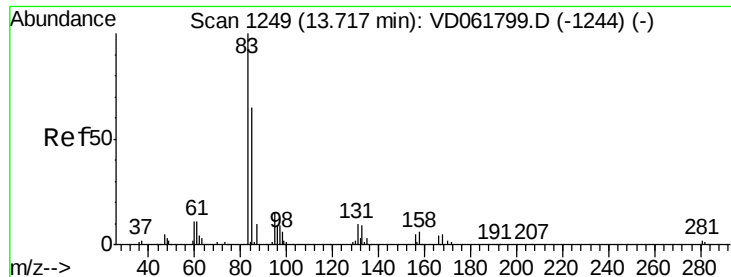
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.218 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

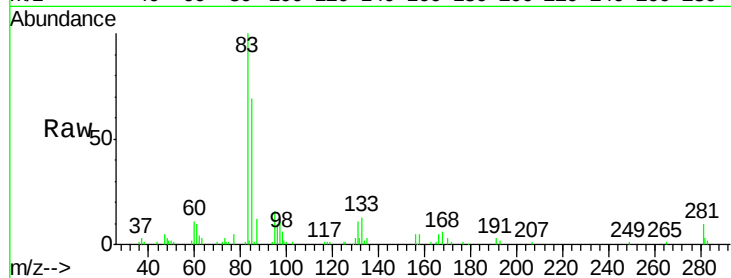
Tot Ion: 83 Resp: 92542

Ion Ratio Lower Upper

83 100

131 11.1 5.0 14.9

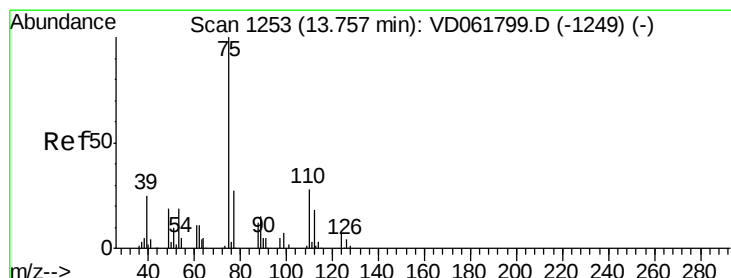
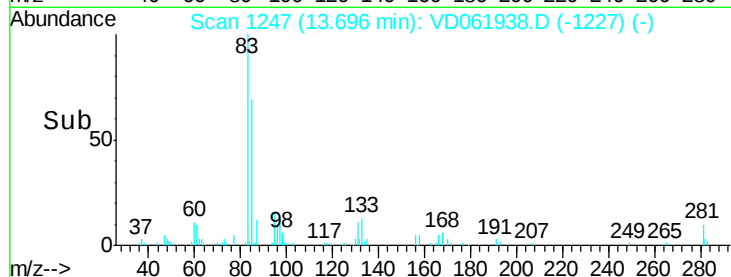
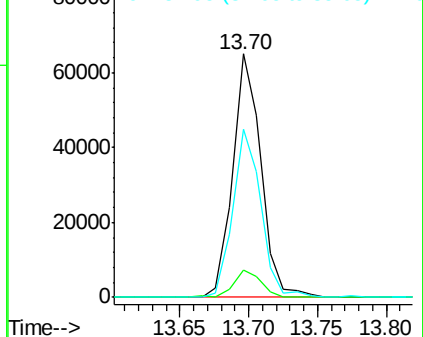
85 68.9 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.134 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD061938.D

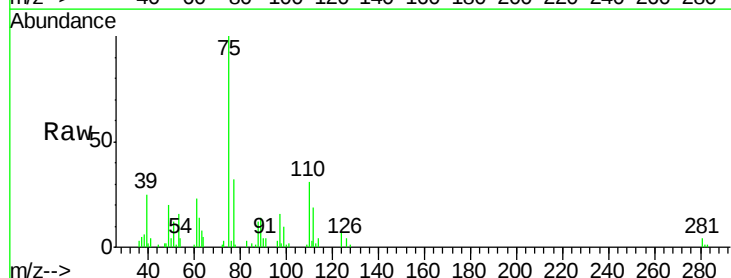
Acq: 22 Apr 2019 14:58

Tgt Ion: 75 Resp: 89457

Ion Ratio Lower Upper

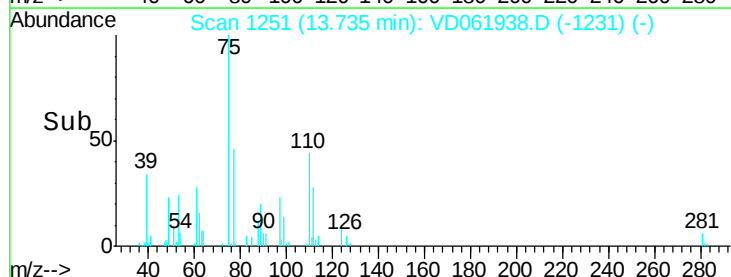
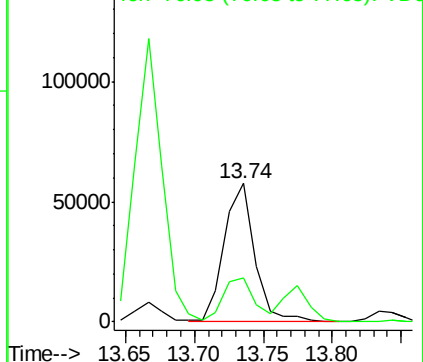
75 100

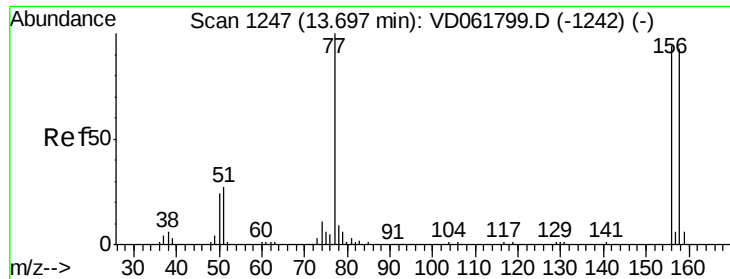
77 31.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.024 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

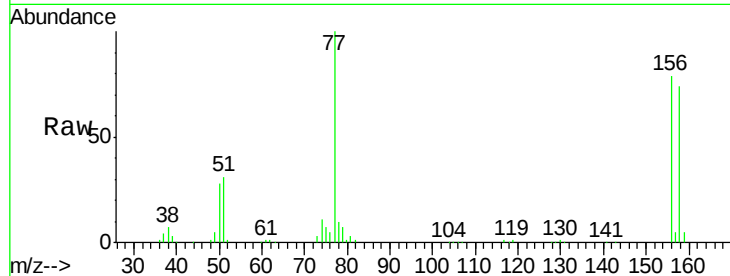
Tot Ion:156 Resp: 131649

Ion Ratio Lower Upper

156 100

77 126.6 53.1 159.4

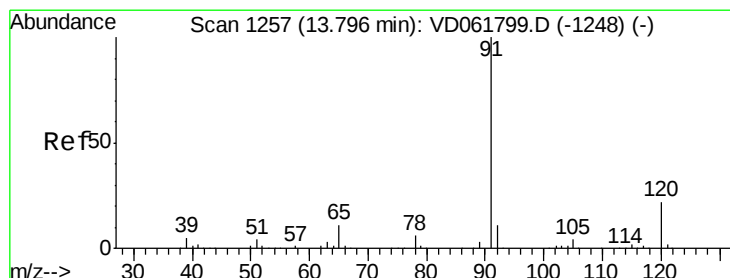
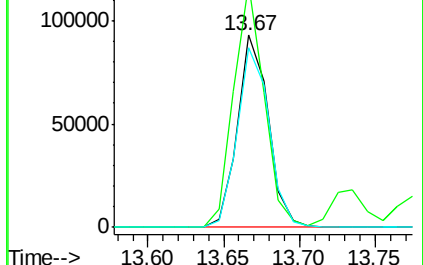
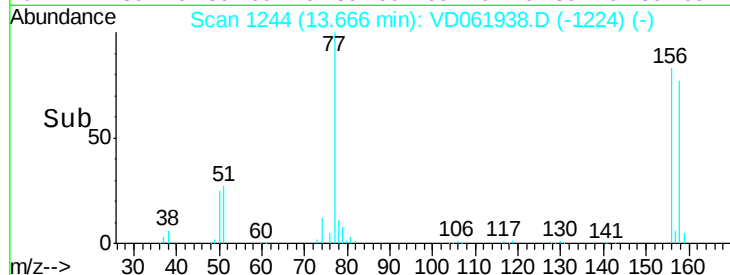
158 93.1 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.104 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD061938.D

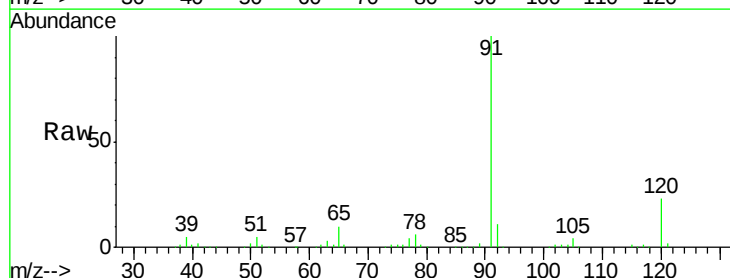
Acq: 22 Apr 2019 14:58

Tgt Ion: 91 Resp: 537698

Ion Ratio Lower Upper

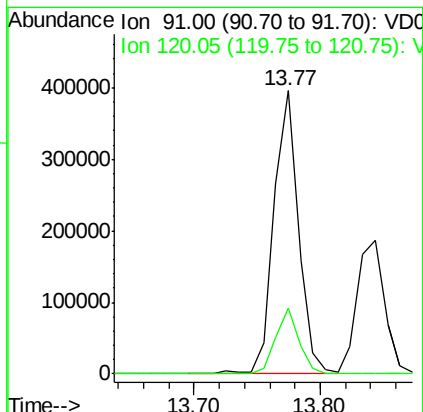
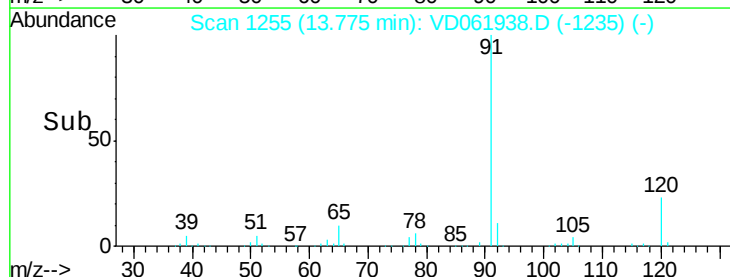
91 100

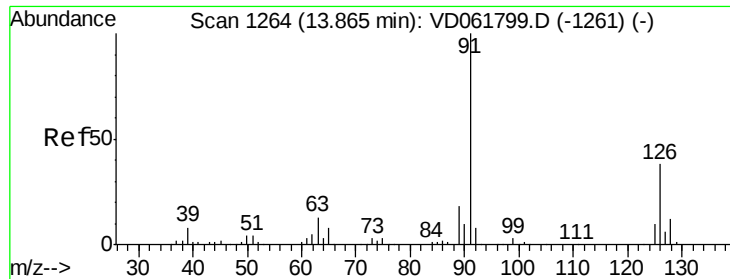
120 23.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 17.038 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

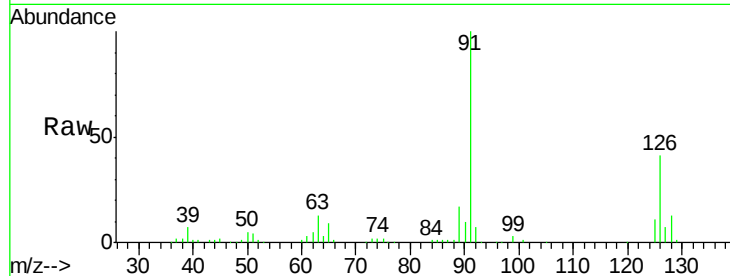
VD0422SBS01

Tot Ion: 91 Resp: 280143

Ion Ratio Lower Upper

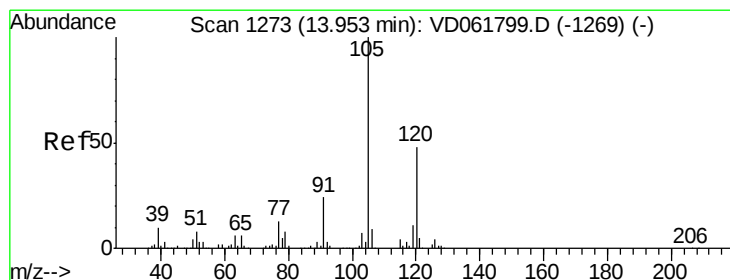
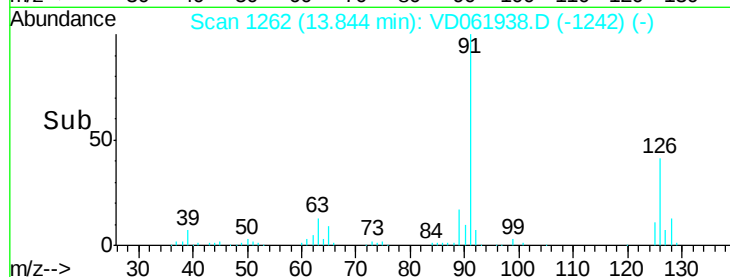
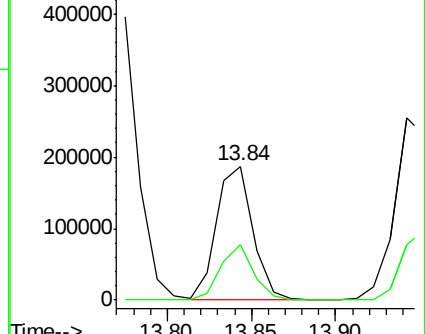
91 100

126 41.4 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.959 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD061938.D

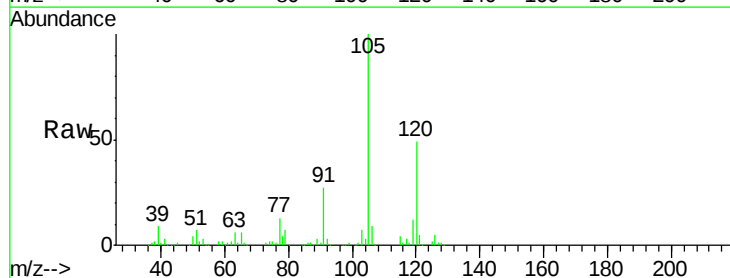
Acq: 22 Apr 2019 14:58

Tgt Ion:105 Resp: 424460

Ion Ratio Lower Upper

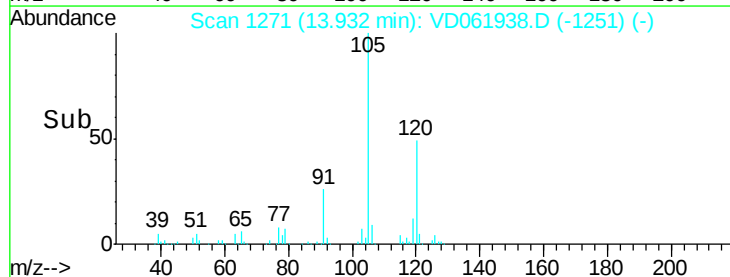
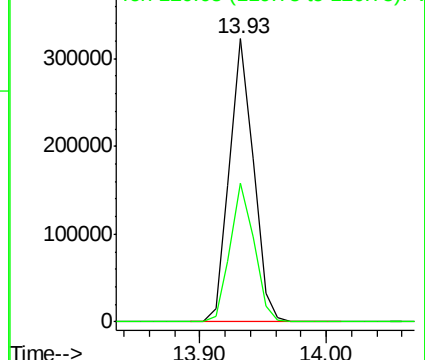
105 100

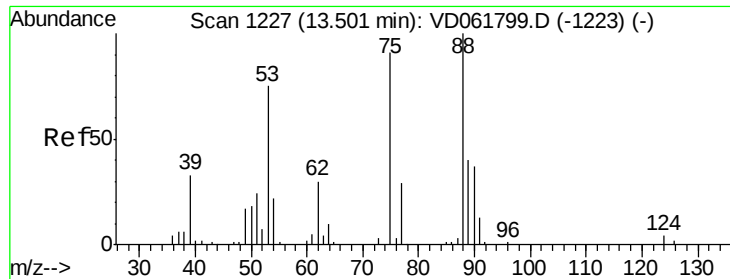
120 49.0 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

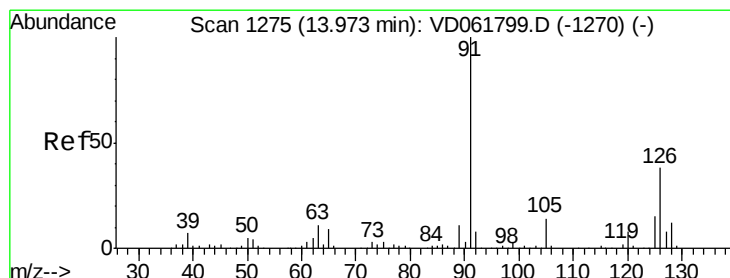
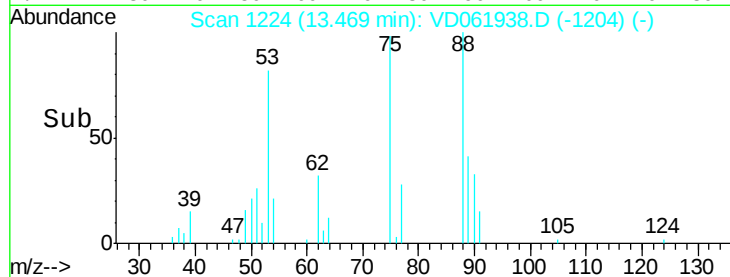
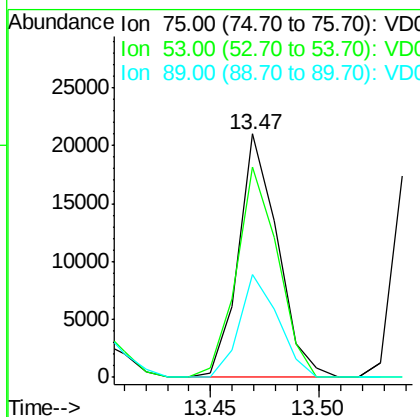
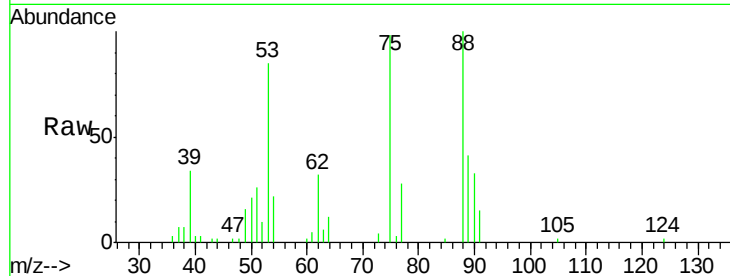




#81
trans-1,4-Dichloro-2-butene
Concen: 18.736 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

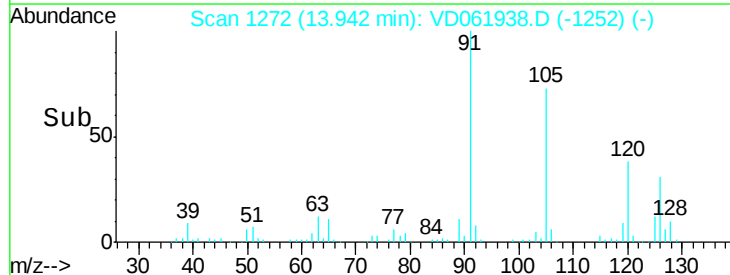
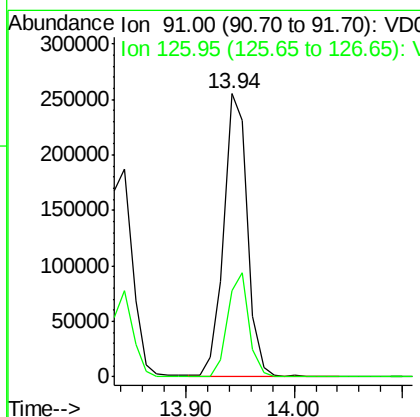
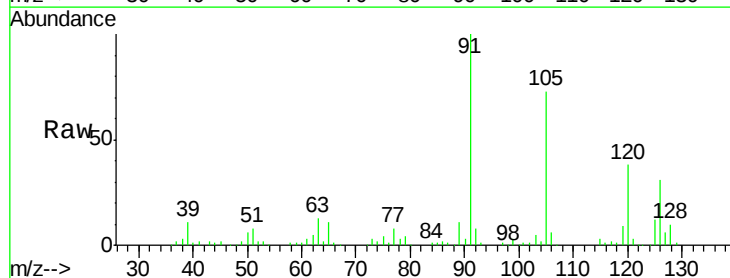
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

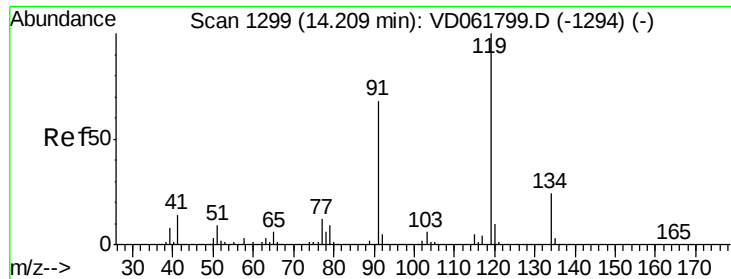
Tot Ion: 75 Resp: 26400
Ion Ratio Lower Upper
75 100
53 86.1 65.8 98.8
89 42.0 35.0 52.6



#82
4-Chlorotoluene
Concen: 20.752 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Tgt Ion: 91 Resp: 390553
Ion Ratio Lower Upper
91 100
126 30.7 19.1 57.5

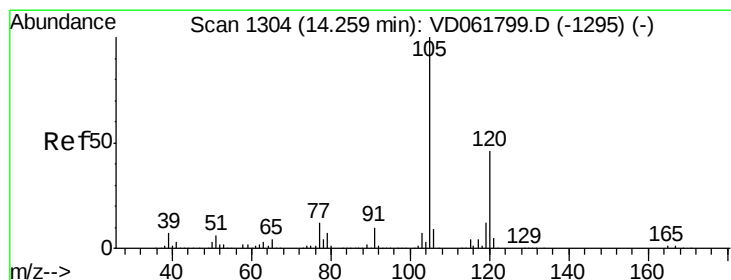
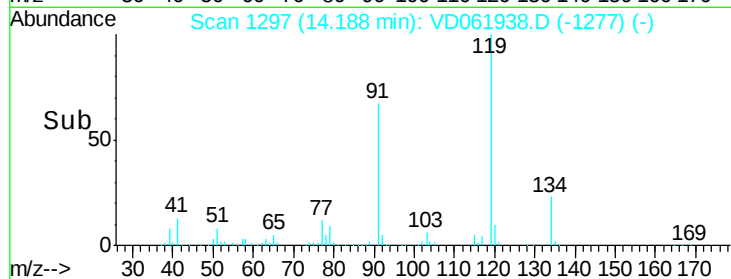
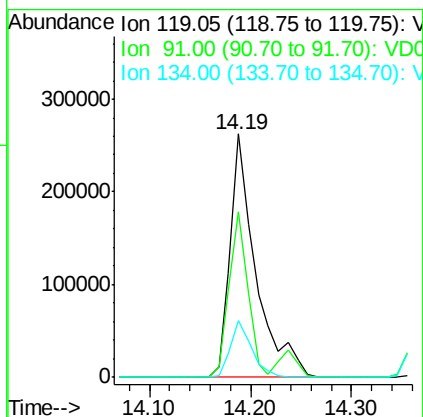
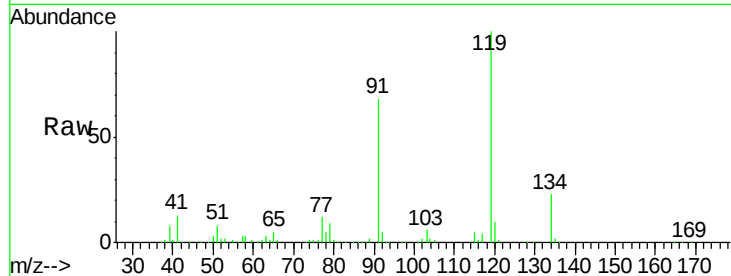




#83
 tert-Butylbenzene
 Concen: 20.355 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

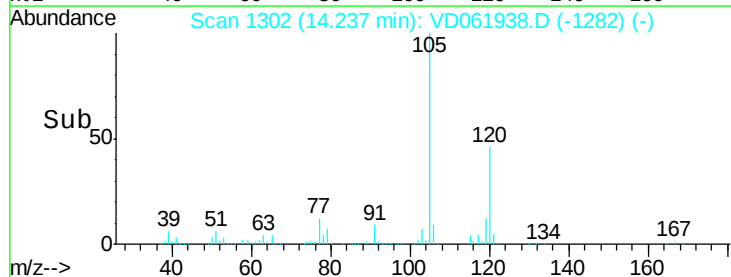
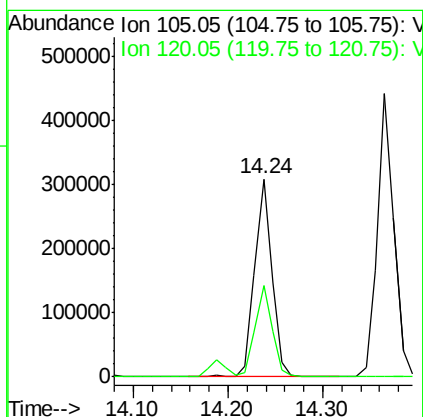
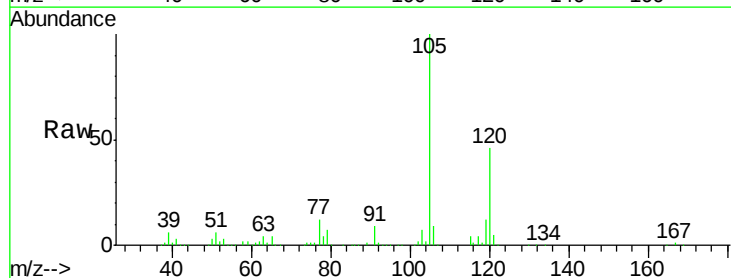
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

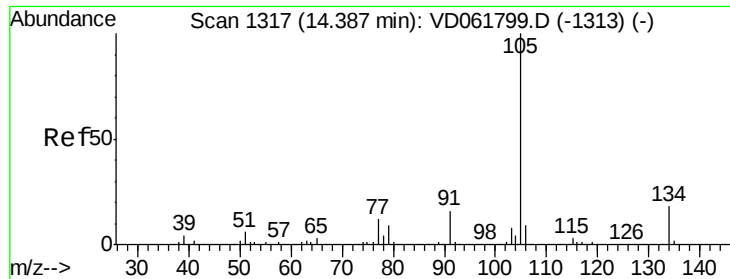
Tot Ion:119 Resp: 461981
 Ion Ratio Lower Upper
 119 100
 91 67.8 34.2 102.6
 134 23.4 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.153 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Tgt Ion:105 Resp: 391579
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.1 69.2

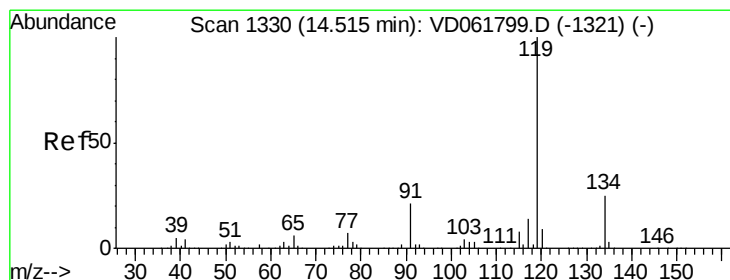
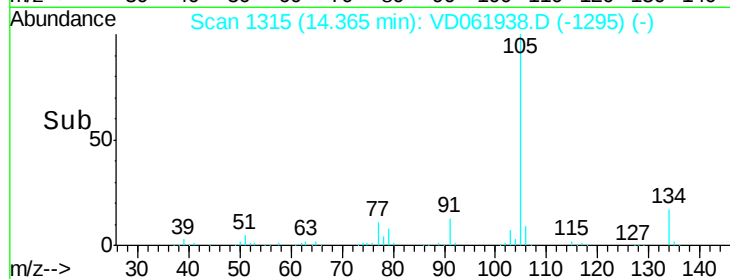
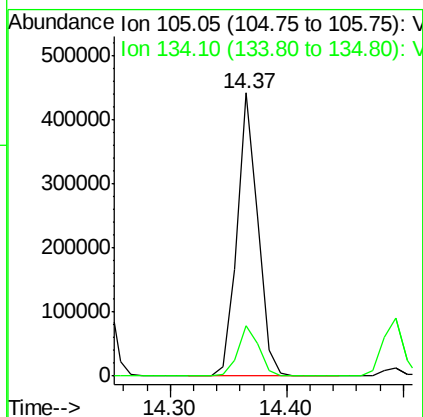
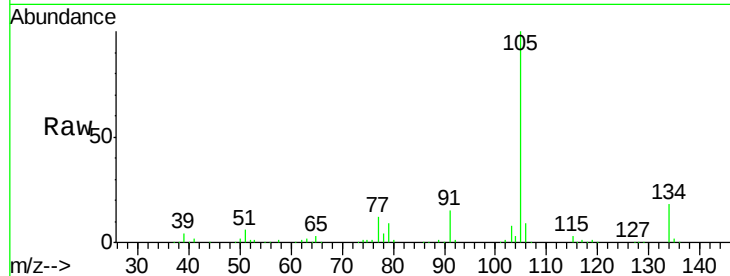




#85
 sec-Butylbenzene
 Concen: 23.151 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

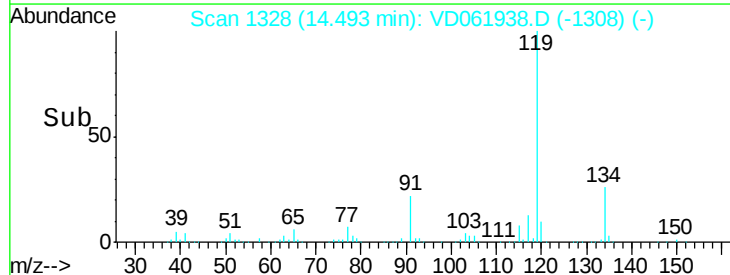
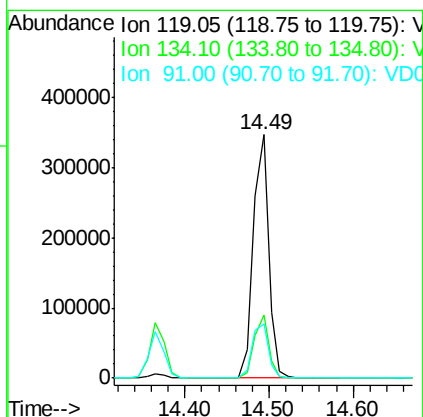
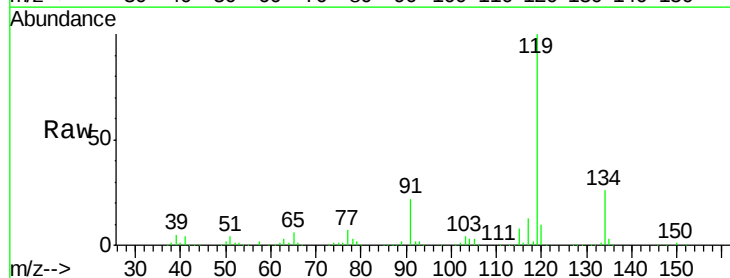
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

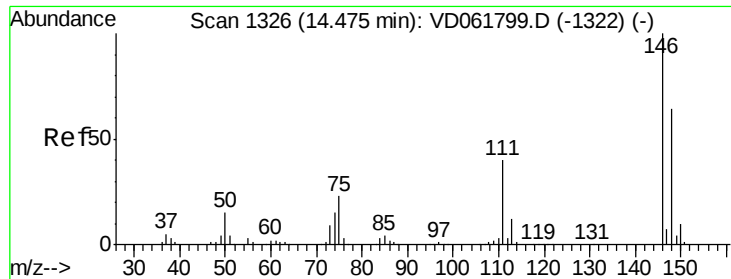
Tot Ion:105 Resp: 543201
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 20.382 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Tgt Ion:119 Resp: 447445
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.3
 91 22.3 10.7 32.1

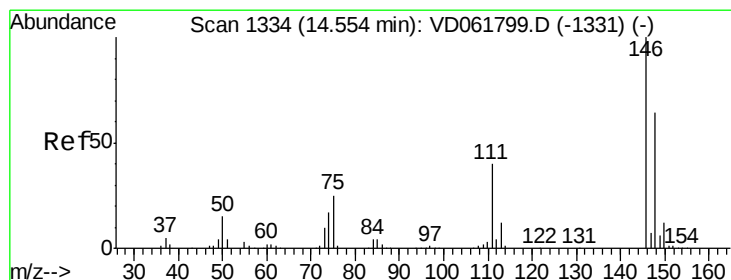
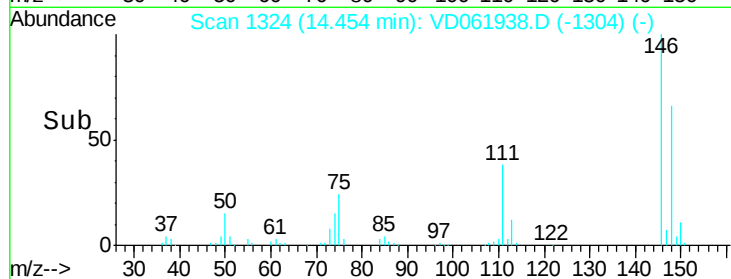
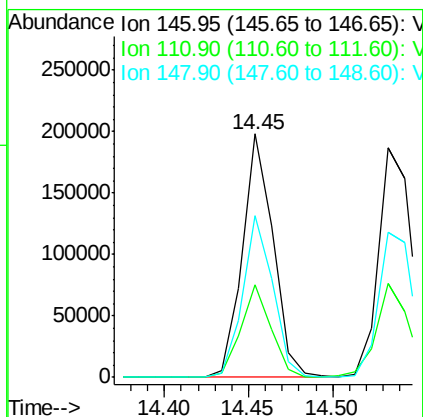
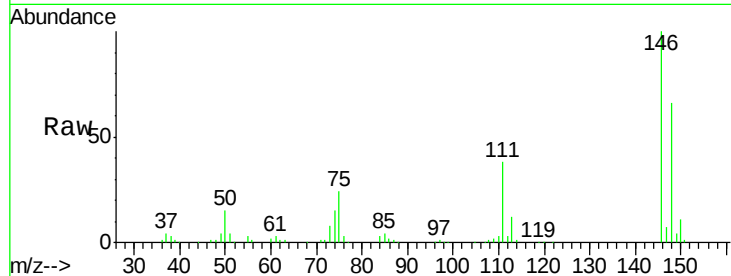




#87
 1,3-Dichlorobenzene
 Concen: 20.763 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

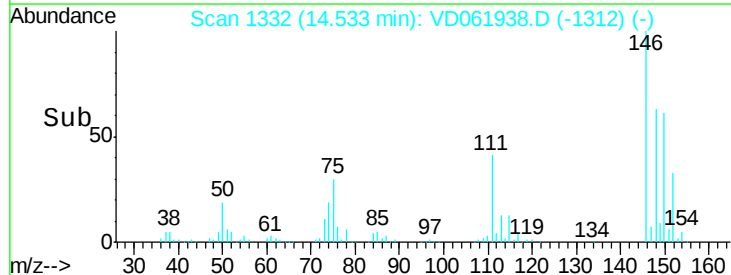
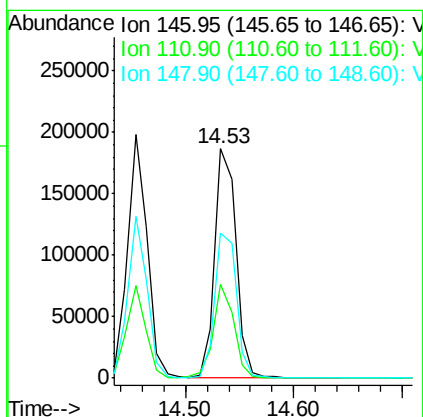
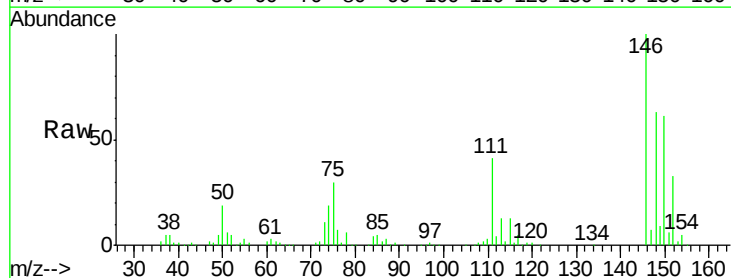
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

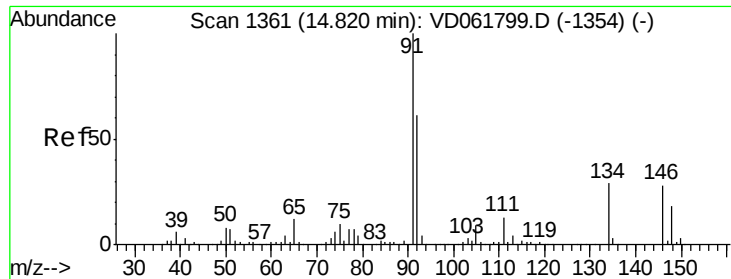
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.0	60.0
148	66.5	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.512 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.2	60.5
148	63.3	32.0	96.2





#89

n-Butylbenzene

Concen: 21.103 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD061938.D

Acq: 22 Apr 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

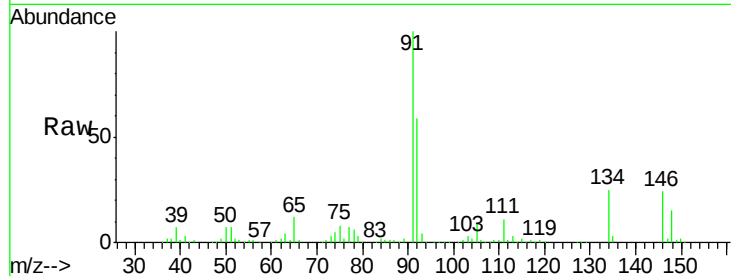
Tot Ion: 91 Resp: 410078

Ion Ratio Lower Upper

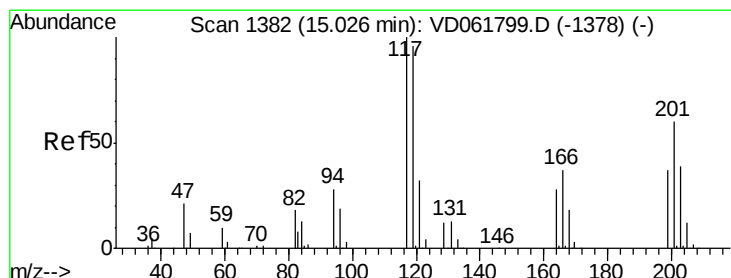
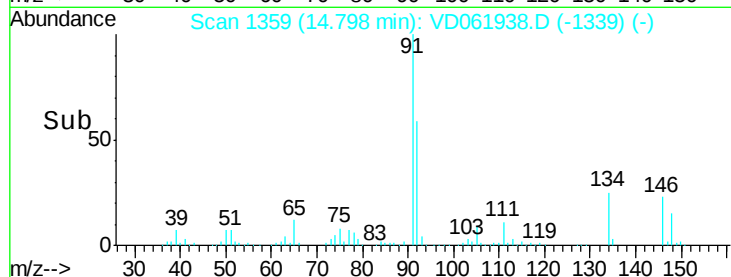
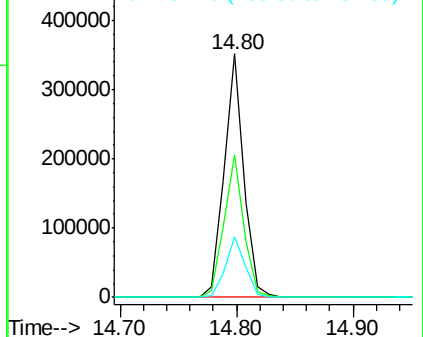
91 100

92 58.8 30.3 91.0

134 24.9 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.952 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD061938.D

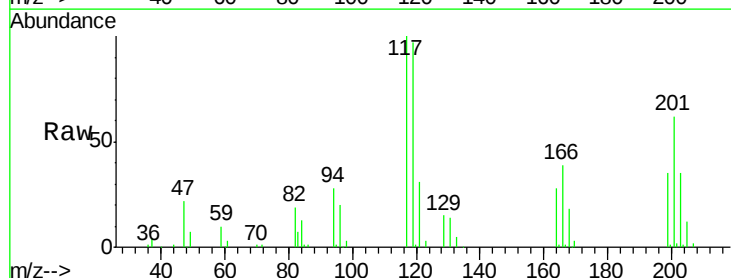
Acq: 22 Apr 2019 14:58

Tgt Ion: 117 Resp: 125368

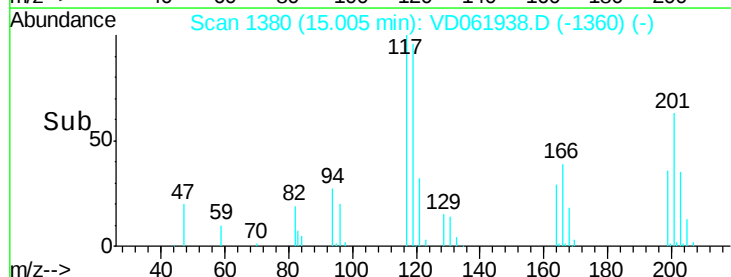
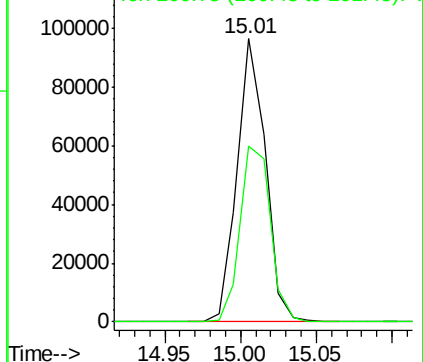
Ion Ratio Lower Upper

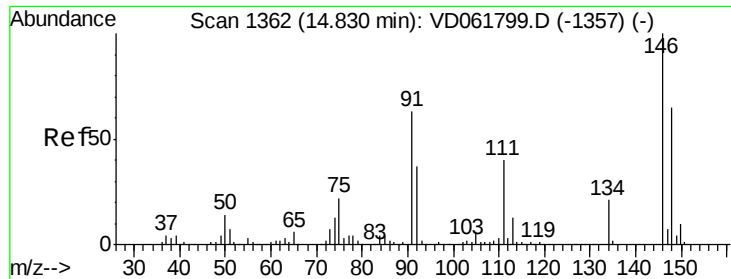
117 100

201 62.3 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

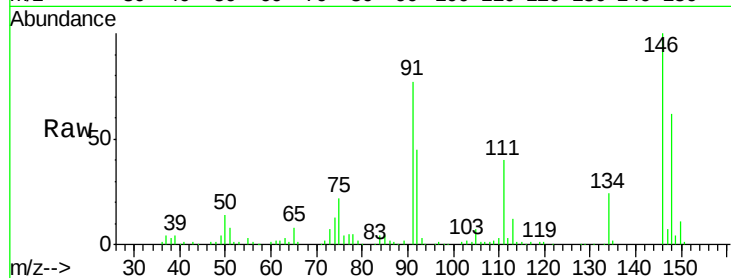




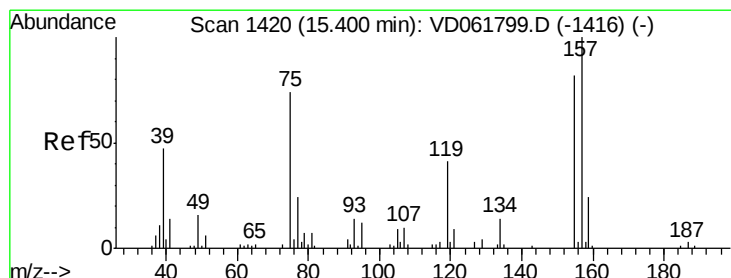
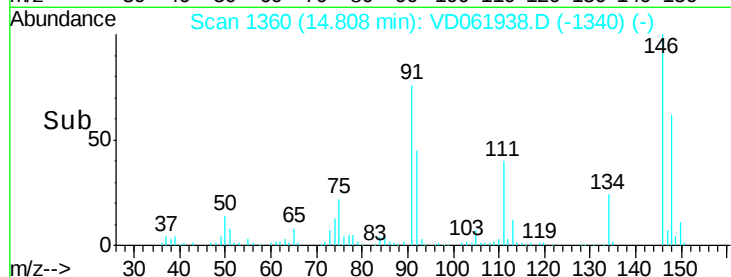
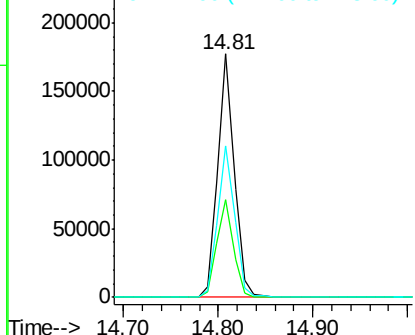
#91
 1,2-Dichlorobenzene
 Concen: 21.230 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

Tot Ion:146 Resp: 214837
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 59.9
 148 62.3 32.3 96.8

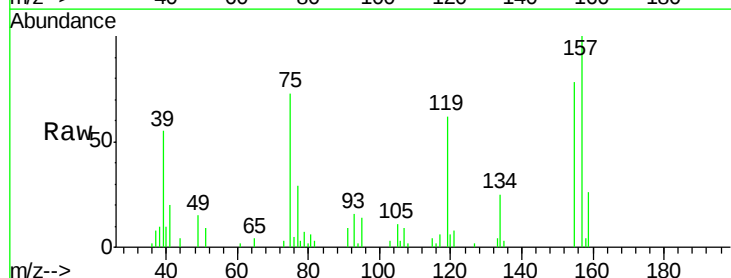


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

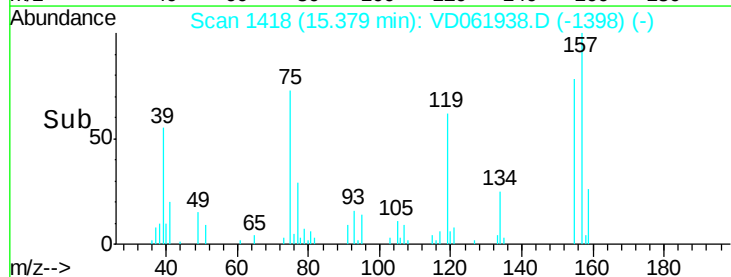
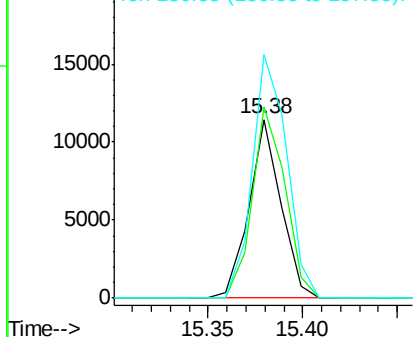


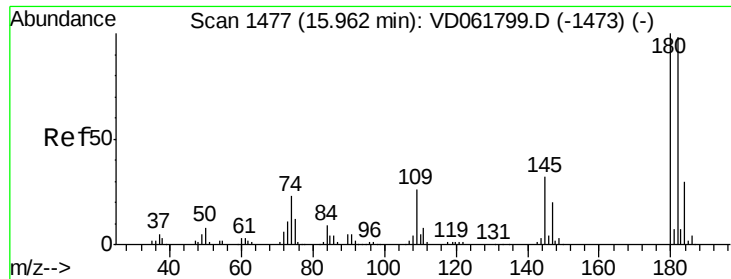
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.881 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Tgt Ion: 75 Resp: 13376
 Ion Ratio Lower Upper
 75 100
 155 106.8 55.3 165.8
 157 136.4 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

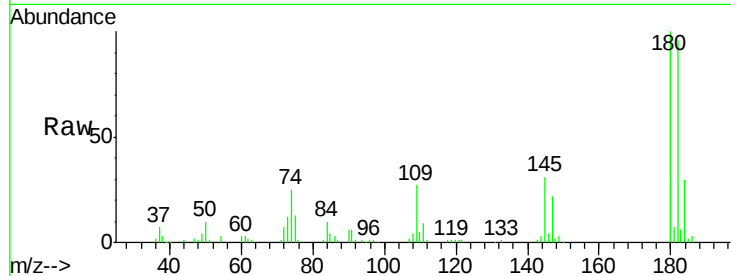




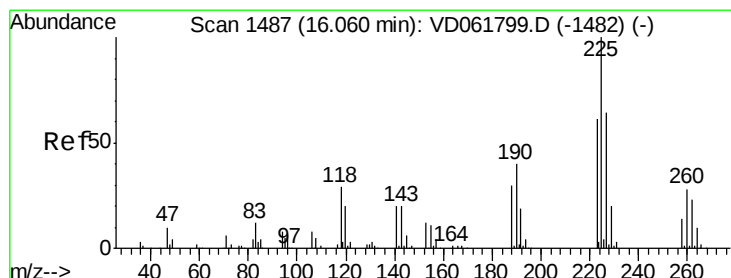
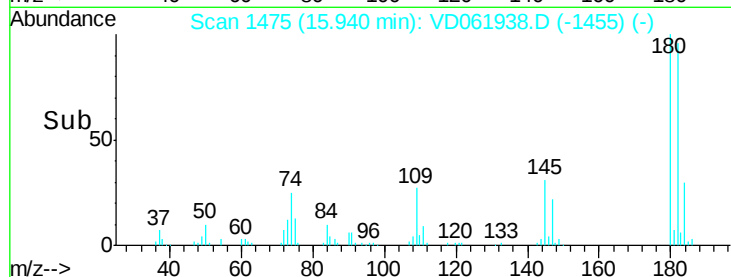
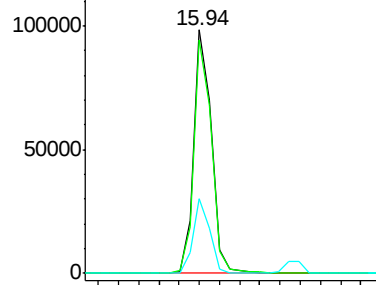
#93
 1,2,4-Trichlorobenzene
 Concen: 21.834 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	49.3	147.8
145	30.9	16.2	48.6

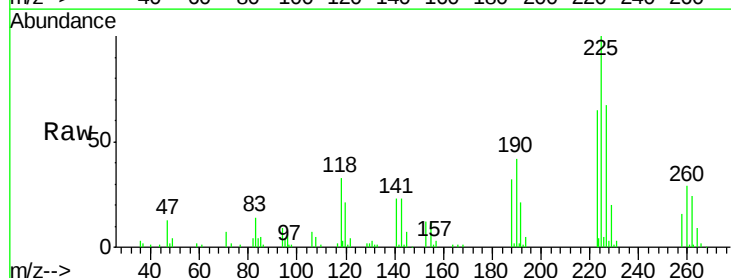


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

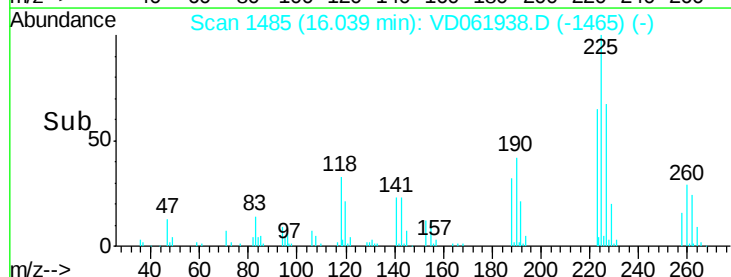
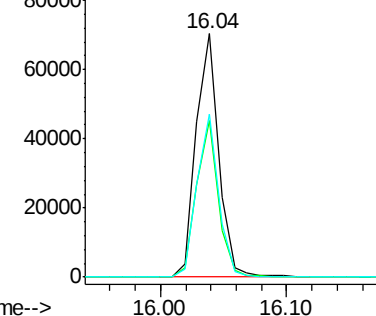


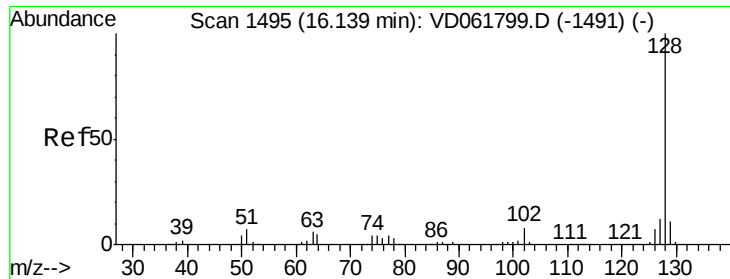
#94
 Hexachlorobutadiene
 Concen: 21.665 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD061938.D
 Acq: 22 Apr 2019 14:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	30.6	92.0
227	67.0	32.0	96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

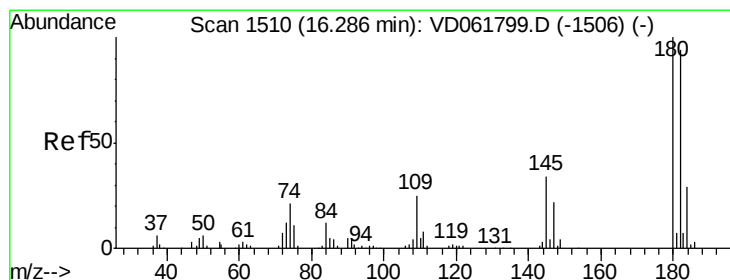
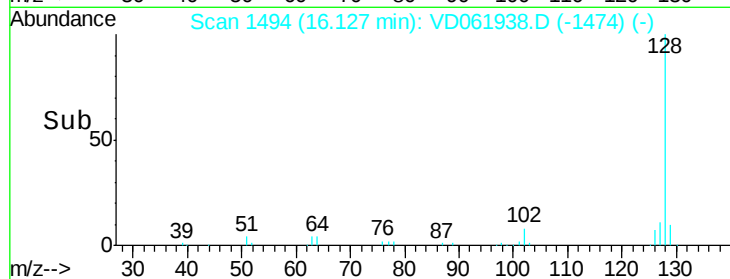
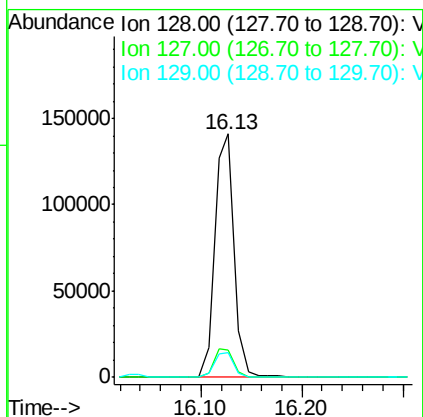
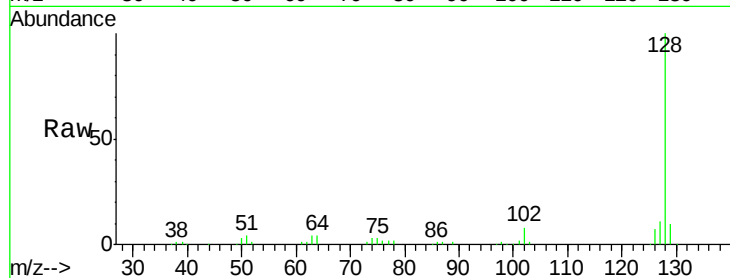




#95
Naphthalene
Concen: 22.183 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

Tot Ion:128 Resp: 188976
Ion Ratio Lower Upper
128 100
127 11.3 9.8 14.8
129 10.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 23.048 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061938.D
Acq: 22 Apr 2019 14:58

Tgt Ion:180 Resp: 73000
Ion Ratio Lower Upper
180 100
182 87.0 47.0 141.0
145 32.6 17.0 51.0

