

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061318.D
 Acq On : 26 Mar 2019 1:04
 Operator : VA/AP
 Sample : VD0325SBSD02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBSD02

Quant Time: Mar 26 04:31:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	598078	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1010115	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	921986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	396180	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	294785	57.13	ug/l	-0.01
Spiked Amount			Recovery	=	114.26%	
35) Dibromofluoromethane	6.92	113	426195	55.14	ug/l	-0.01
Spiked Amount			Recovery	=	110.28%	
50) Toluene-d8	10.41	98	1099148	58.65	ug/l	0.00
Spiked Amount			Recovery	=	117.30%	
62) 4-Bromofluorobenzene	13.55	95	386692	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	128869	21.075	ug/l	96
3) Chloromethane	1.76	50	110720	23.211	ug/l	98
4) Vinyl Chloride	1.85	62	97048	21.759	ug/l	99
5) Bromomethane	2.15	94	19478	21.517	ug/l	88
6) Chloroethane	2.26	64	24781	17.661	ug/l	96
7) Trichlorofluoromethane	2.52	101	126849	19.241	ug/l	94
8) Diethyl Ether	2.88	74	51957	26.506	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	155536	23.179	ug/l	97
10) Methyl Iodide	3.31	142	165345	17.637	ug/l	95
11) Tert butyl alcohol	4.07	59	34818	126.757	ug/l #	95
12) 1,1-Dichloroethene	3.12	96	138484	23.984	ug/l	95
13) Acrolein	3.03	56	37933	126.163	ug/l	93
14) Allyl chloride	3.62	41	193588	23.635	ug/l	94
15) Acrylonitrile	4.20	53	123188	127.522	ug/l	93
16) Acetone	3.22	43	123420	99.996	ug/l	96
17) Carbon Disulfide	3.38	76	442784	23.090	ug/l	97
18) Methyl Acetate	3.64	43	64525	27.658	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	254960	25.073	ug/l	100
20) Methylene Chloride	3.81	84	169041	24.131	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	152162	23.556	ug/l	92
22) Diisopropyl ether	5.11	45	420009	24.342	ug/l	93
23) Vinyl Acetate	5.05	43	1149334	124.715	ug/l	100
24) 1,1-Dichloroethane	4.98	63	243958	24.262	ug/l	99
25) 2-Butanone	6.07	43	171248	119.956	ug/l	97
26) 2,2-Dichloropropane	6.02	77	173885	20.366	ug/l	94
27) cis-1,2-Dichloroethene	6.04	96	169372	24.366	ug/l	98
28) Bromochloromethane	6.43	49	101450	24.105	ug/l	94
29) Tetrahydrofuran	6.45	42	93366	131.394	ug/l	99
30) Chloroform	6.66	83	252299	23.546	ug/l	96
31) Cyclohexane	6.95	56	174286	21.356	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	200821	21.162	ug/l	98
36) 1,1-Dichloropropene	7.14	75	179075	21.668	ug/l	98
37) Ethyl Acetate	6.18	43	78578	22.764	ug/l	97
38) Carbon Tetrachloride	7.11	117	206162	21.826	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	195610	22.854	ug/l	99
40) Benzene	7.45	78	486276	23.692	ug/l	98
41) Methacrylonitrile	6.44	41	98489	24.553	ug/l	99
42) 1,2-Dichloroethane	7.57	62	152993	23.917	ug/l	97
43) Isopropyl Acetate	9.24	43	129186	25.956	ug/l #	99
44) Trichloroethene	8.54	130	181181	24.408	ug/l	97
45) 1,2-Dichloropropane	8.93	63	123039	24.288	ug/l	97
46) Dibromomethane	9.06	93	82253	23.688	ug/l	91
47) Bromodichloromethane	9.37	83	191543	23.535	ug/l	99
48) Methyl methacrylate	9.12	41	68225	25.682	ug/l	96
49) 1,4-Dioxane	9.07	88	16147	553.981	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	382190	128.992	ug/l	99
52) Toluene	10.51	92	299357	23.837	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	173112	24.475	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	198893	23.028	ug/l	100
55) 1,1,2-Trichloroethane	11.19	97	110232	26.438	ug/l	98
56) Ethyl methacrylate	11.04	69	118309	26.591	ug/l	99
57) 1,3-Dichloropropane	11.40	76	144675	22.975	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	321313	138.818	ug/l	98
59) 2-Hexanone	11.53	43	271694	126.256	ug/l	99
60) Dibromochloromethane	11.68	129	162793	24.929	ug/l	96
61) 1,2-Dibromoethane	11.80	107	127434	26.158	ug/l	99
64) Tetrachloroethene	11.25	164	141095	22.215	ug/l	98
65) Chlorobenzene	12.40	112	389119	22.913	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	147220	22.360	ug/l	99
67) Ethyl Benzene	12.51	91	559081	21.512	ug/l	98
68) m/p-Xylenes	12.66	106	405525	39.973	ug/l	100
69) o-Xylene	13.05	106	213729	22.715	ug/l	100
70) Styrene	13.07	104	380933	23.855	ug/l	97
71) Bromoform	13.23	173	88160	21.881	ug/l	98
73) Isopropylbenzene	13.40	105	570068	22.123	ug/l	98
74) N-amyl acetate	13.26	43	150967	22.393	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	121229	24.260	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	113658	23.069	ug/l	99
77) Bromobenzene	13.67	156	161826	22.482	ug/l	96
78) n-propylbenzene	13.78	91	716851	24.658	ug/l	93
79) 2-Chlorotoluene	13.83	91	386573	22.838	ug/l	98
80) 1,3,5-Trimethylbenzene	14.24	105	500198	24.606	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	38361	24.671	ug/l	97
82) 4-Chlorotoluene	13.94	91	448686	24.247	ug/l	98
83) tert-Butylbenzene	14.19	119	554550	23.892	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	500198	24.606	ug/l	99
85) sec-Butylbenzene	14.37	105	536203	20.744	ug/l	98
86) p-Isopropyltoluene	14.48	119	504589	21.881	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	269698	21.139	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	289660	23.438	ug/l	98
89) n-Butylbenzene	14.80	91	449206	21.940	ug/l	96
90) Hexachloroethane	15.01	117	129005	20.864	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	251565	24.711	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15426	24.704	ug/l	88

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Quant Title : SW846 8260
QLast Update : Tue Mar 26 03:31:57 2019
Response via : Initial Calibration

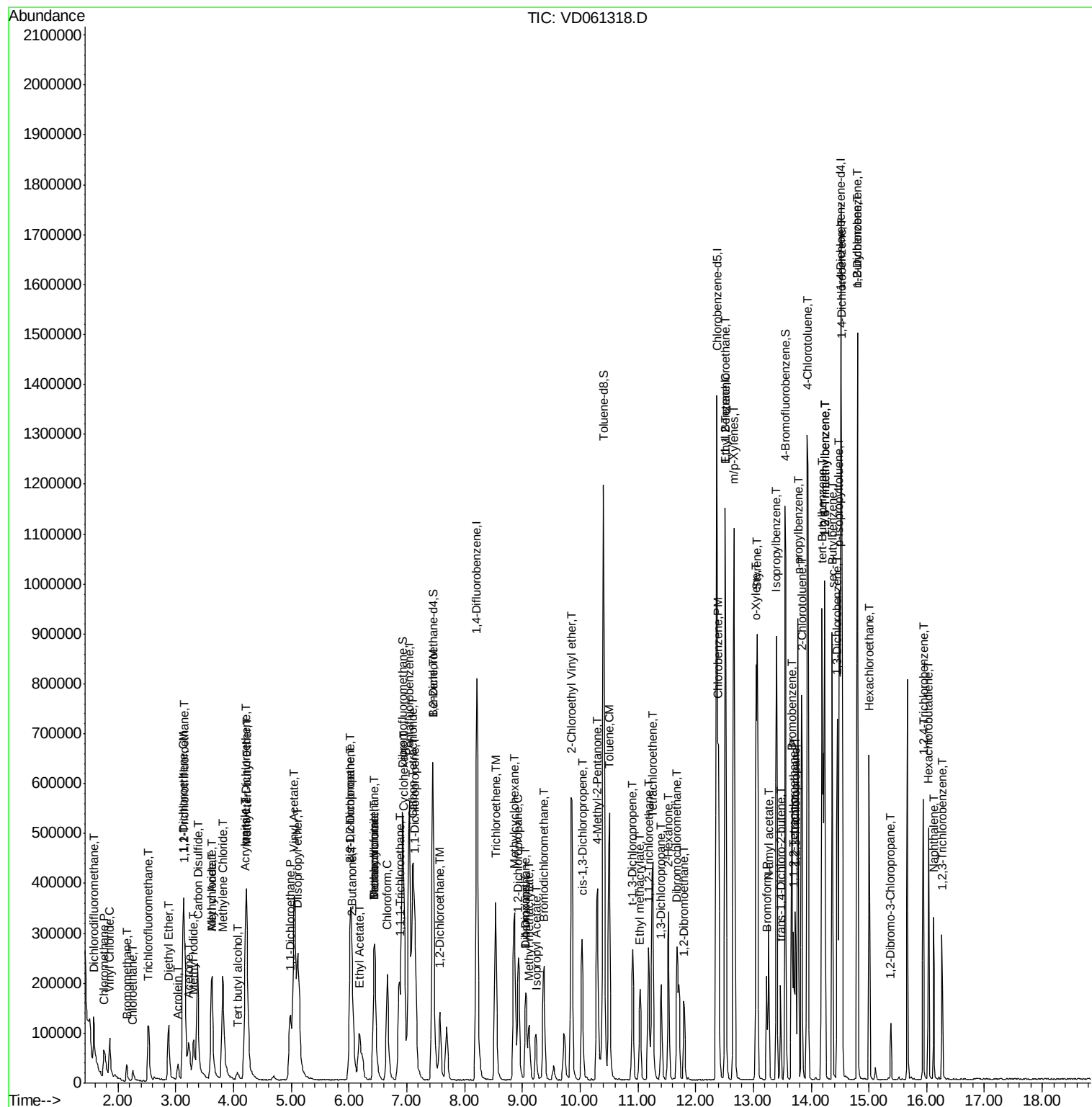
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	132765	28.238	ug/l	98
94) Hexachlorobutadiene	16.04	225	92566	24.434	ug/l	96
95) Naphthalene	16.12	128	206904	30.160	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	74138	33.761	ug/l	97

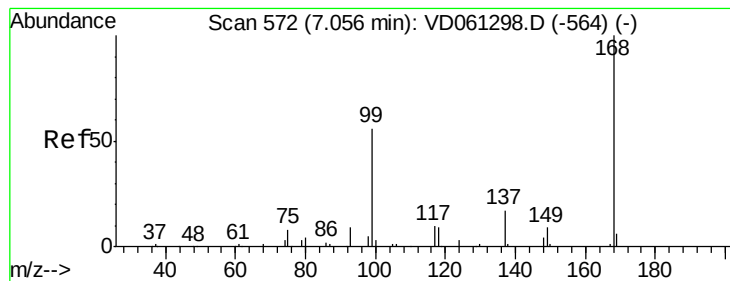
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

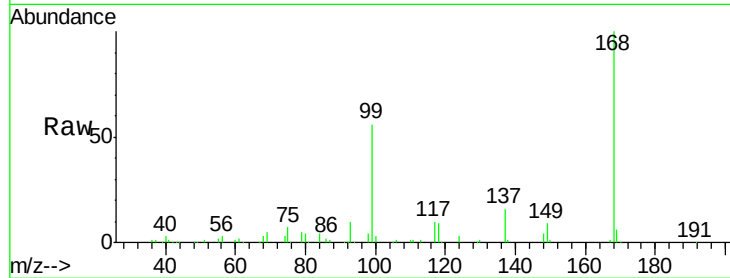
VD0325SBSD02

Tot Ion:168 Resp: 598078

Ion Ratio Lower Upper

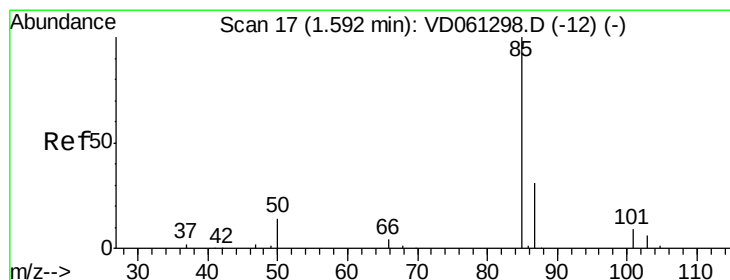
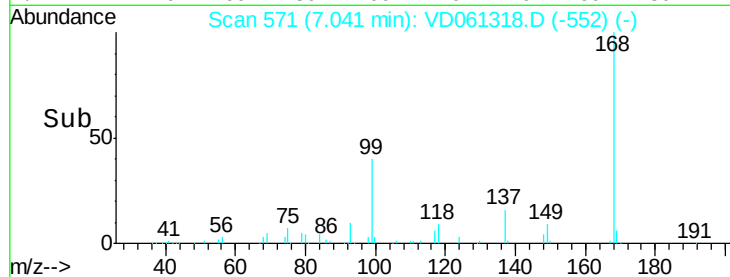
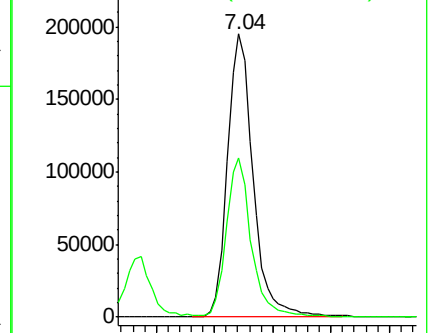
168 100

99 56.3 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.075 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD061318.D

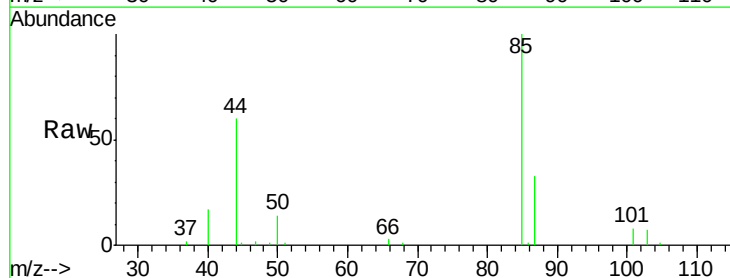
Acq: 26 Mar 2019 1:04

Tgt Ion: 85 Resp: 128869

Ion Ratio Lower Upper

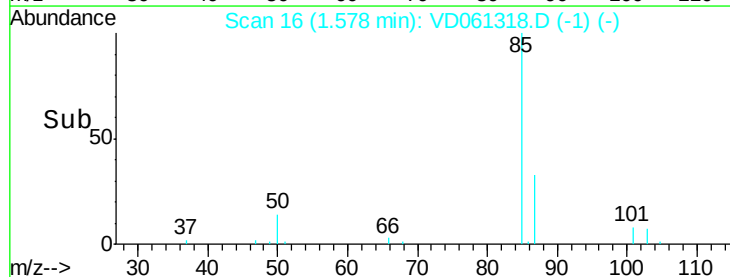
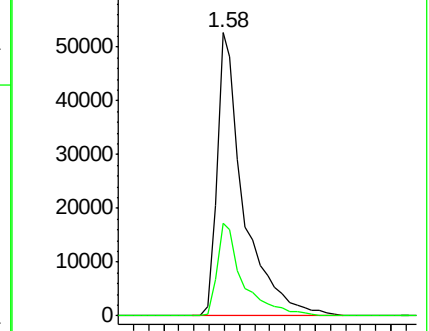
85 100

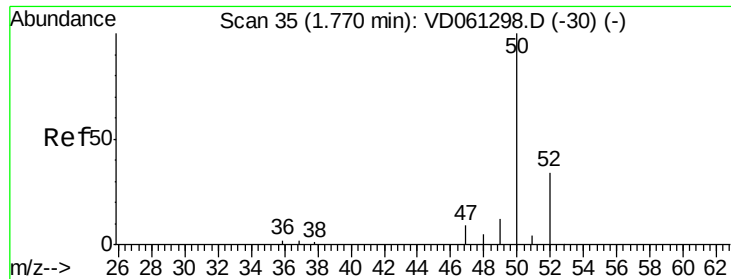
87 32.9 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.211 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

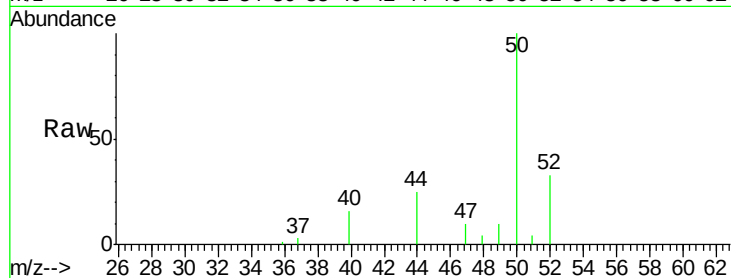
VD0325SBS02

Tot Ion: 50 Resp: 110720

Ion Ratio Lower Upper

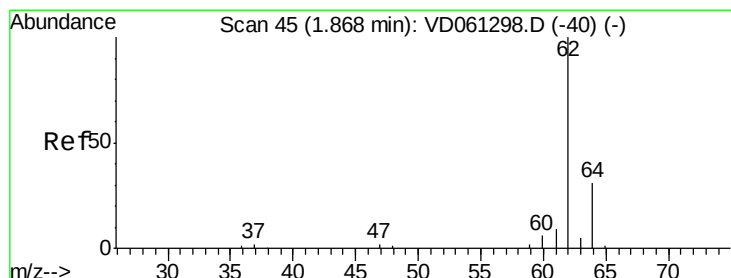
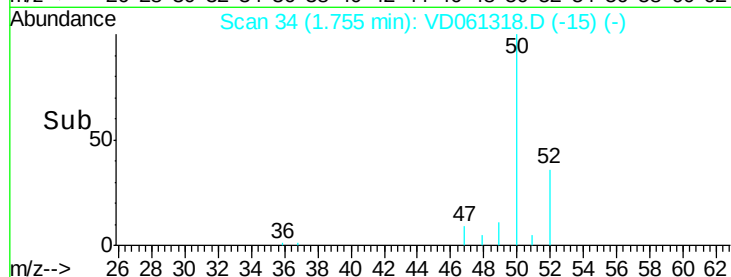
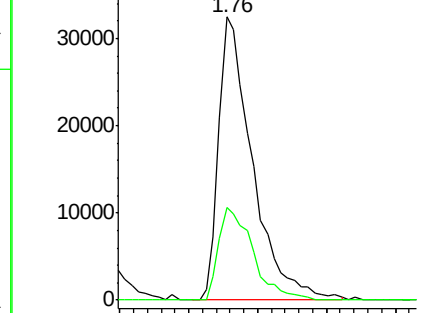
50 100

52 32.9 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.759 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061318.D

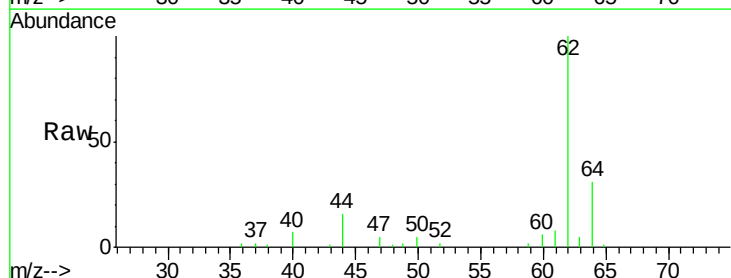
Acq: 26 Mar 2019 1:04

Tgt Ion: 62 Resp: 97048

Ion Ratio Lower Upper

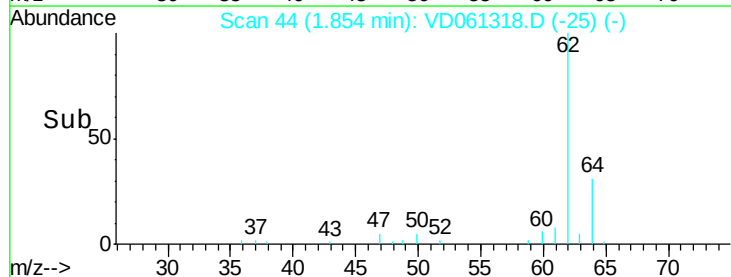
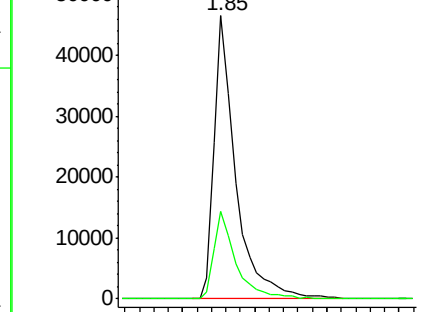
62 100

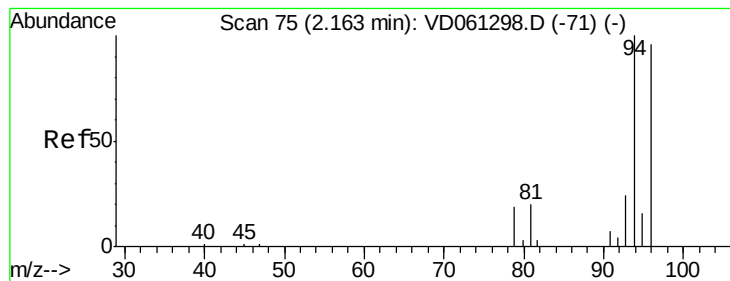
64 30.8 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 21.517 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

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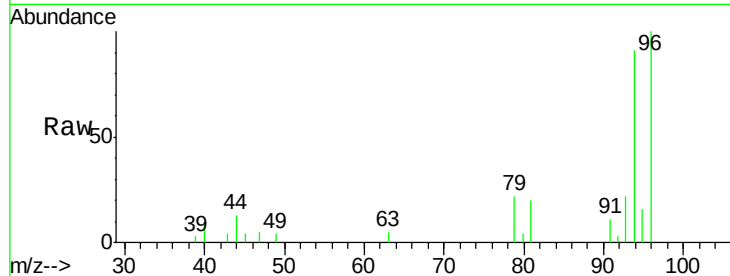
Tot Ion: 94 Resp: 19478

Ion Ratio Lower Upper

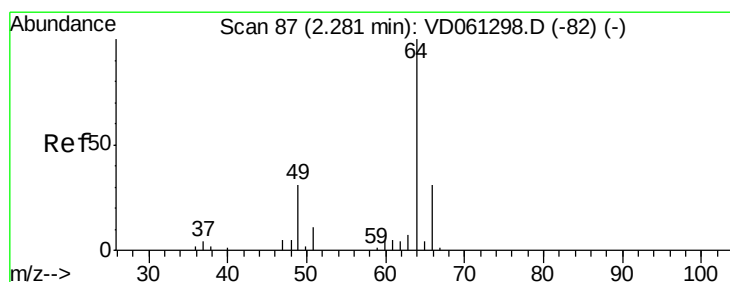
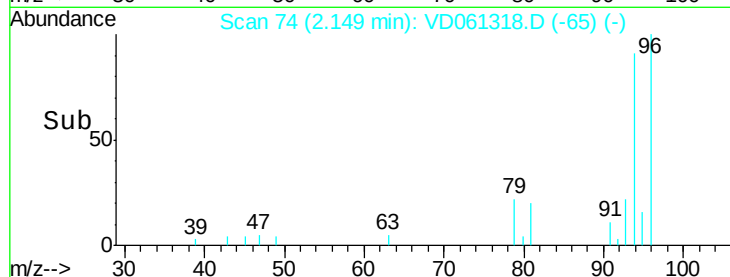
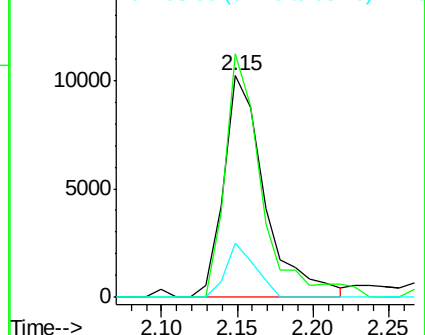
94 100

96 109.9 76.9 115.3

93 24.6 18.8 28.2



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: 17.661 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061318.D

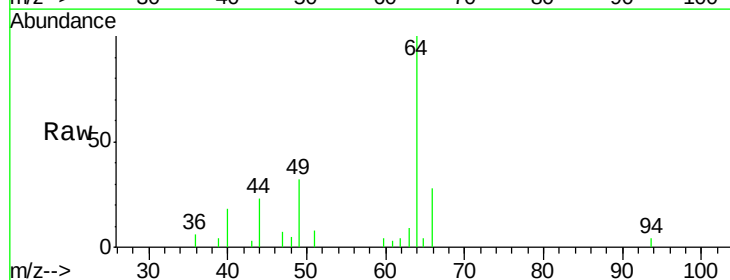
Acq: 26 Mar 2019 1:04

Tgt Ion: 64 Resp: 24781

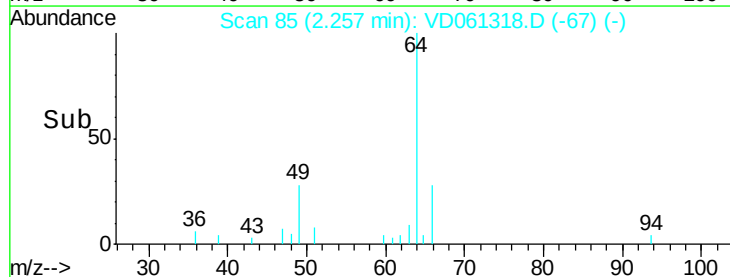
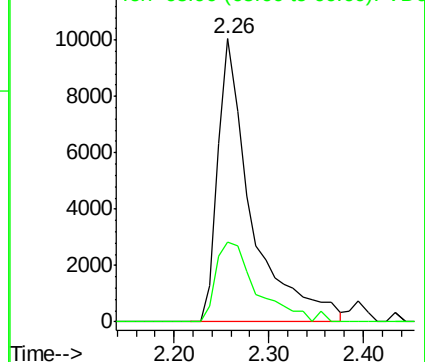
Ion Ratio Lower Upper

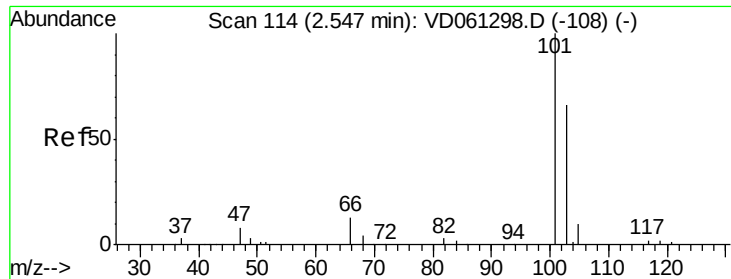
64 100

66 28.4 24.6 36.8



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



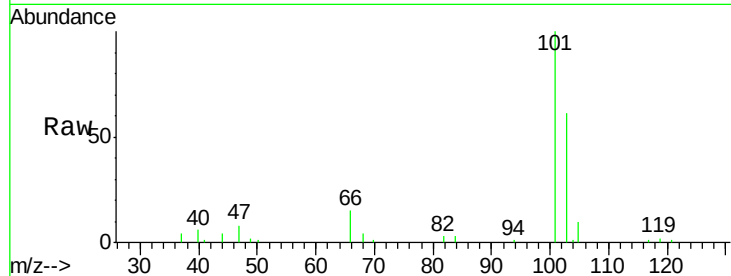


#7

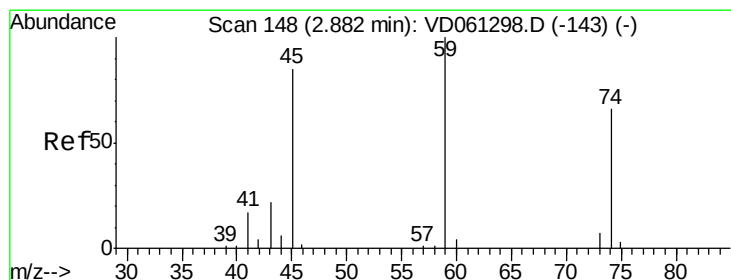
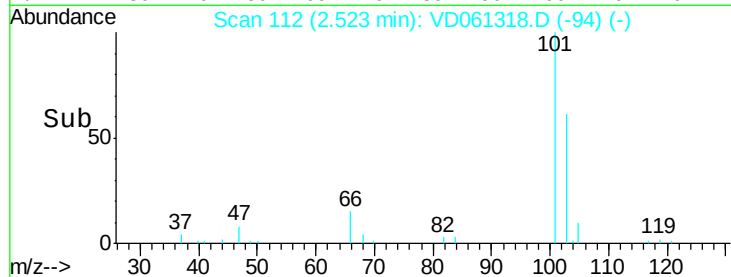
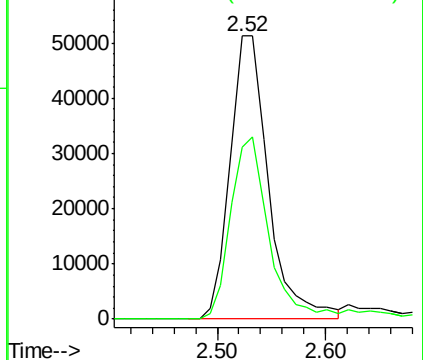
Trichlorofluoromethane
Concen: 19.241 ug/l
RT: 2.52 min Scan# 112
Delta R.T. -0.02 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

Instrument :
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ClientSampleId :
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Tot Ion: 101 Resp: 126849
Ion Ratio Lower Upper
101 100
103 61.0 52.6 79.0



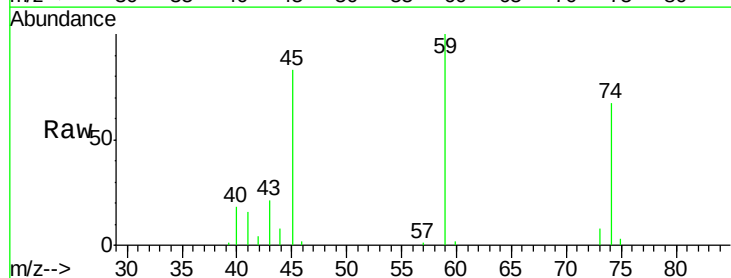
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



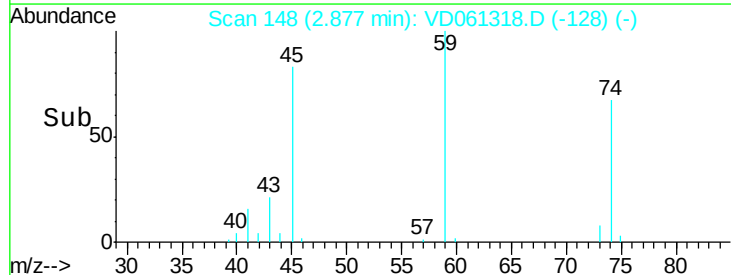
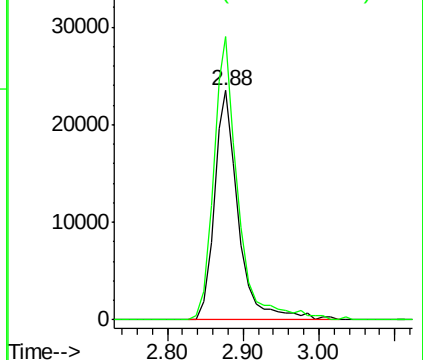
#8

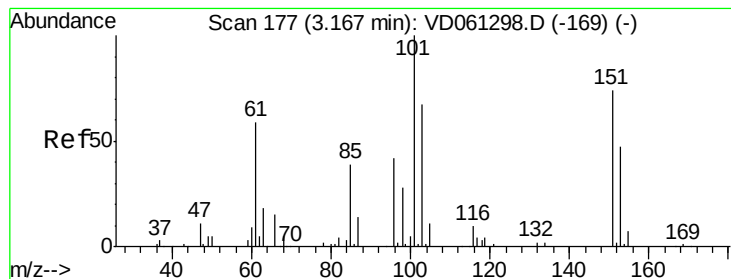
Diethyl Ether
Concen: 26.506 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.00 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

Tgt Ion: 74 Resp: 51957
Ion Ratio Lower Upper
74 100
45 123.5 64.3 192.9



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.179 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBSD02

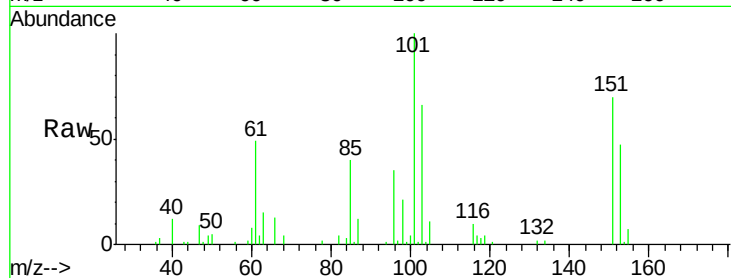
Tot Ion:101 Resp: 155536

Ion Ratio Lower Upper

101 100

85 39.7 31.6 47.4

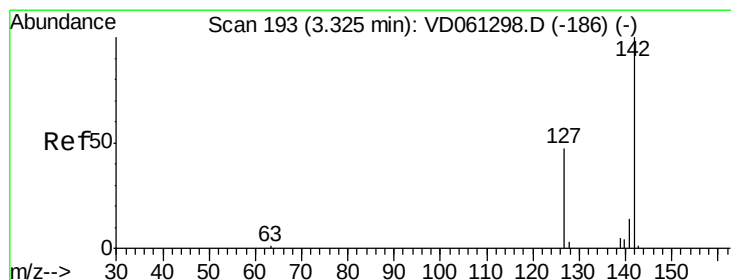
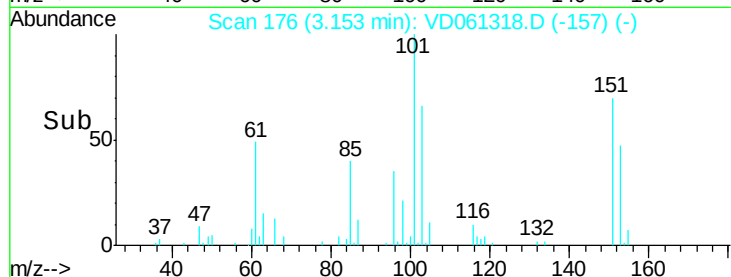
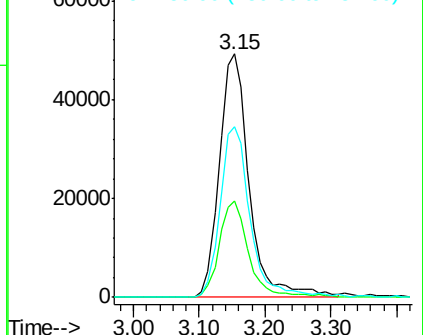
151 70.1 59.3 88.9



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: 17.637 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

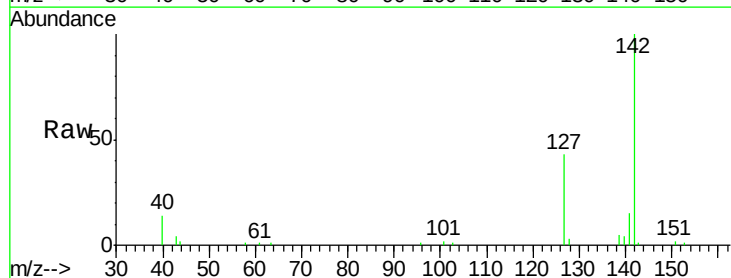
Tgt Ion:142 Resp: 165345

Ion Ratio Lower Upper

142 100

127 42.7 37.8 56.6

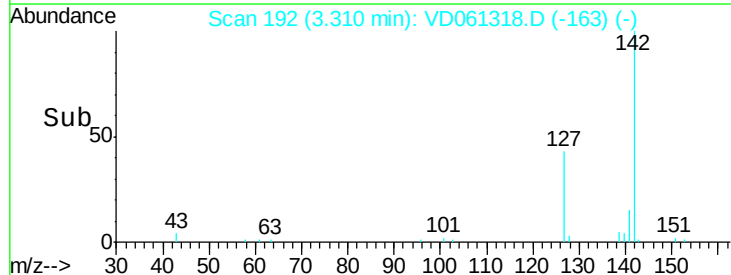
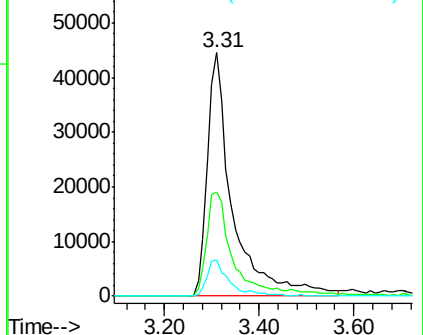
141 15.0 11.6 17.4

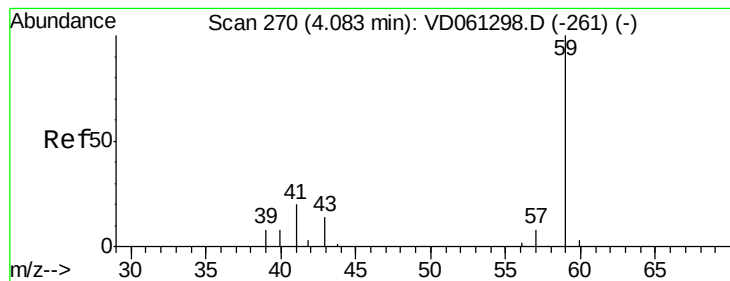


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



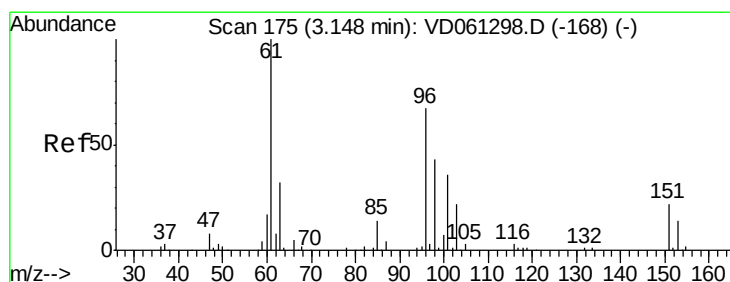
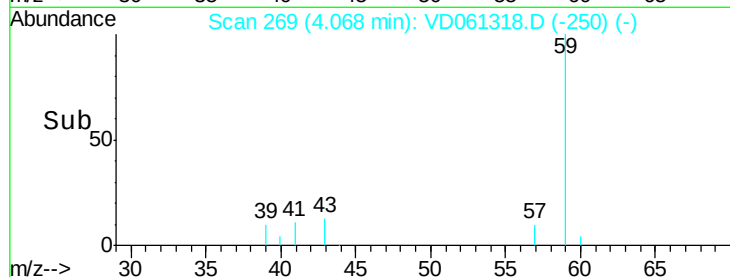
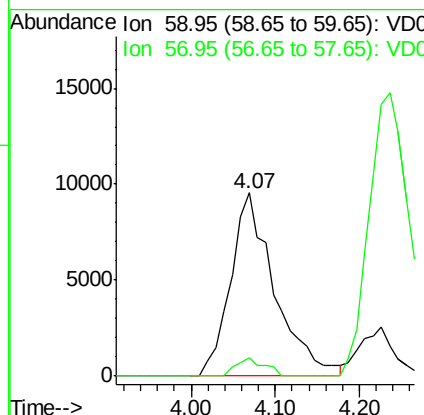
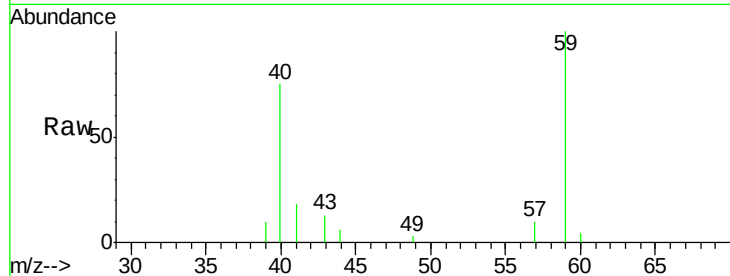


#11

Tert butyl alcohol
 Concen: 126.757 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBSD02

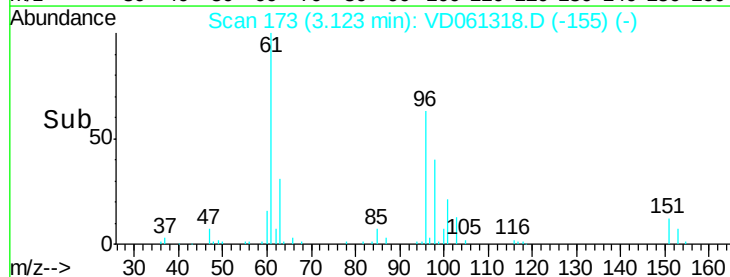
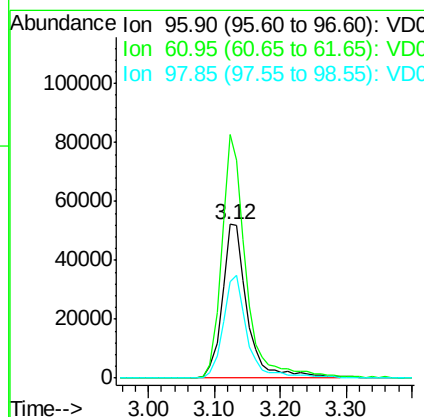
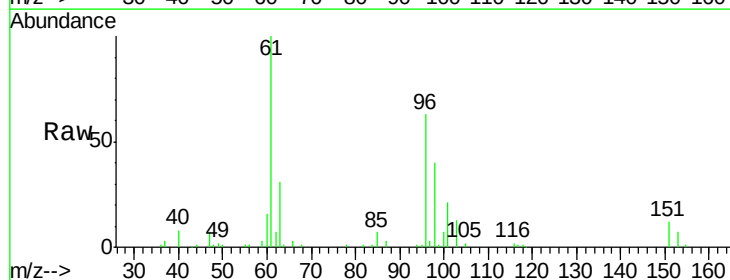
Tot Ion: 59 Resp: 34818
 Ion Ratio Lower Upper
 59 100
 57 10.0 6.6 9.8#

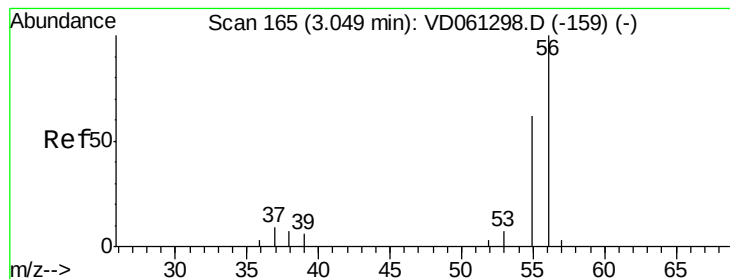


#12

1,1-Dichloroethene
 Concen: 23.984 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. -0.02 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

Tgt Ion: 96 Resp: 138484
 Ion Ratio Lower Upper
 96 100
 61 158.2 120.2 180.2
 98 62.9 52.2 78.4





#13

Acrolein

Concen: 126.163 ug/l

RT: 3.03 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

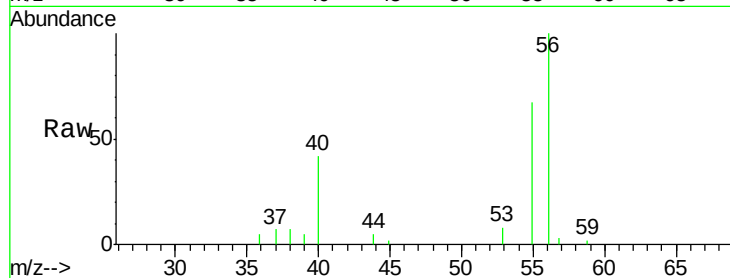
VD0325SBS02

Tot Ion: 56 Resp: 37933

Ion Ratio Lower Upper

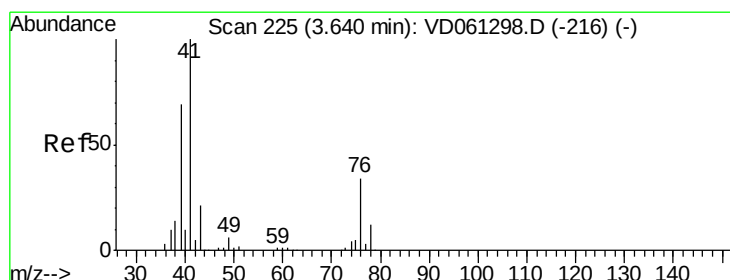
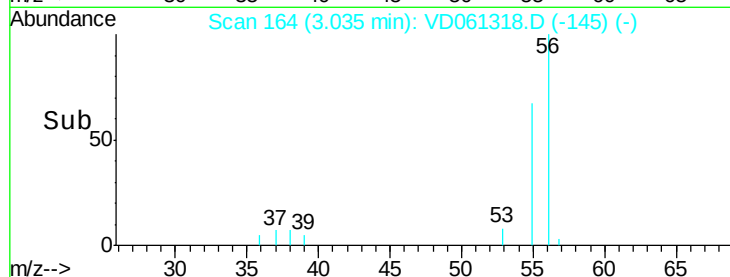
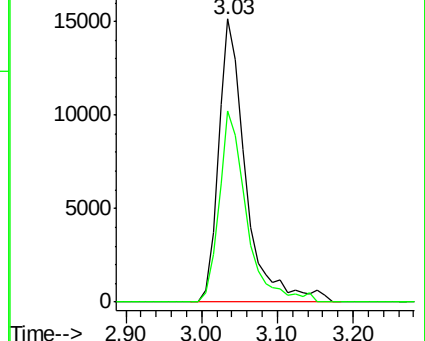
56 100

55 67.5 49.8 74.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 23.635 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

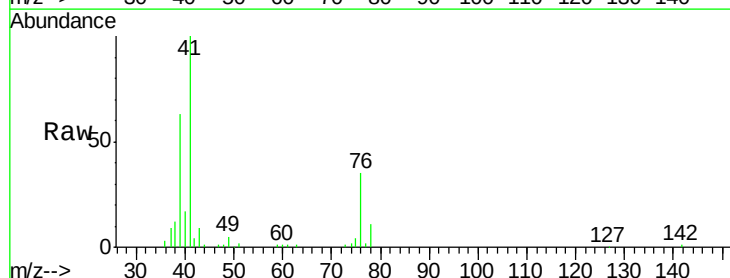
Tgt Ion: 41 Resp: 193588

Ion Ratio Lower Upper

41 100

39 62.8 55.1 82.7

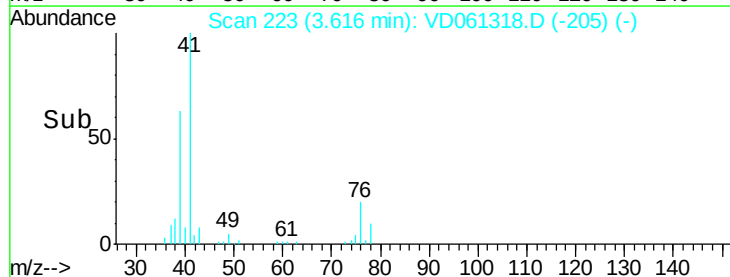
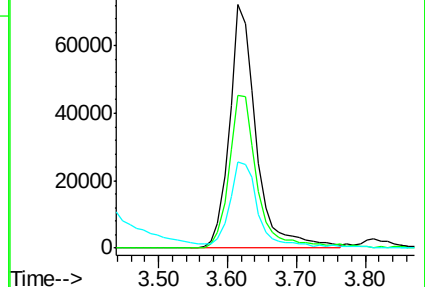
76 35.3 30.2 45.2

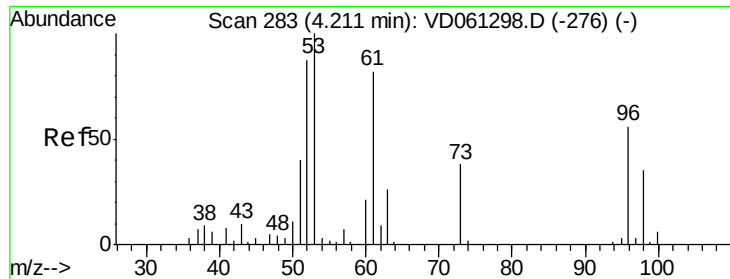


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 127.522 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS02

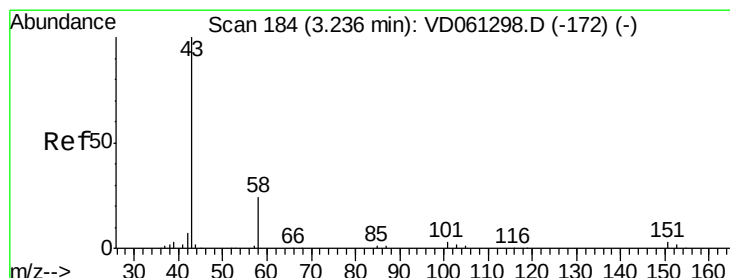
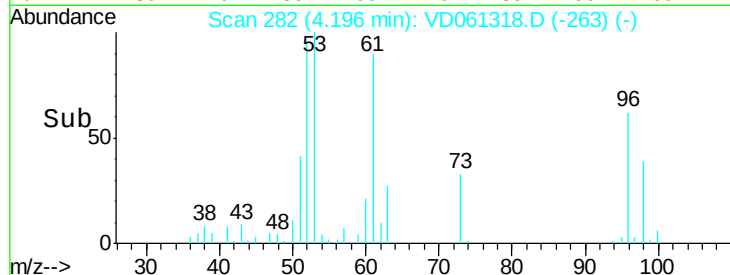
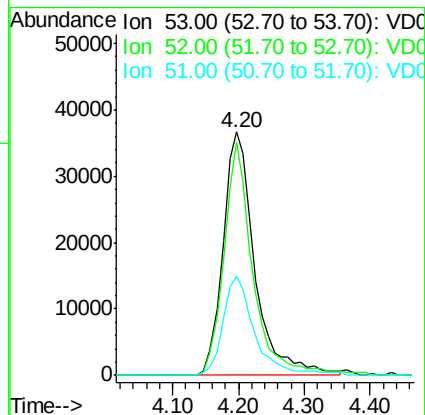
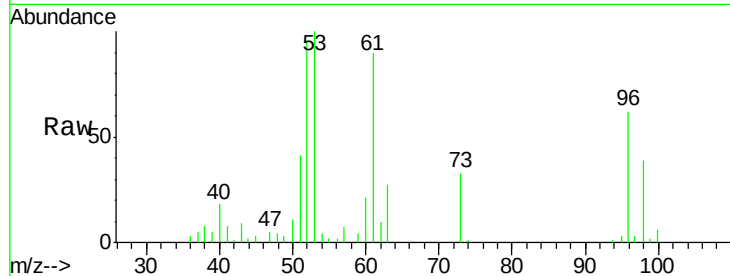
Tot Ion: 53 Resp: 123188

Ion Ratio Lower Upper

53 100

52 96.1 69.4 104.2

51 40.6 31.7 47.5



#16

Acetone

Concen: 99.996 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD061318.D

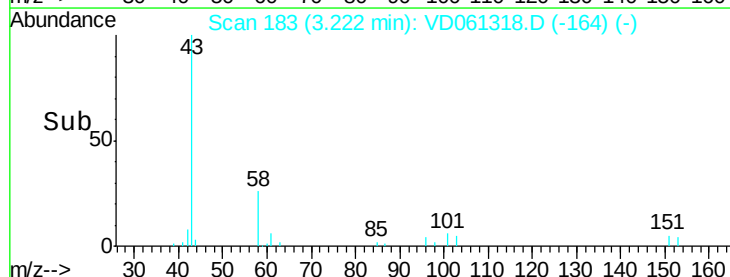
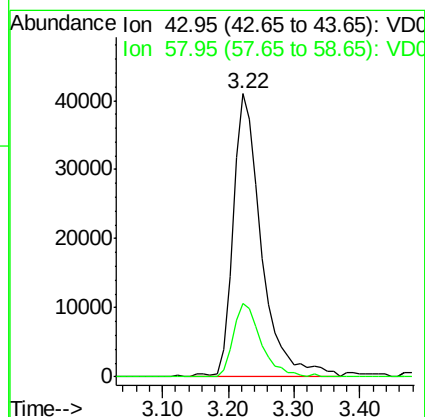
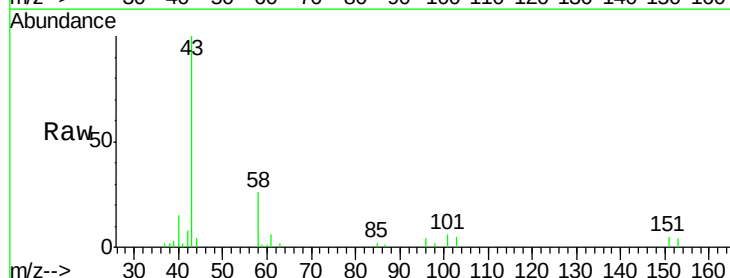
Acq: 26 Mar 2019 1:04

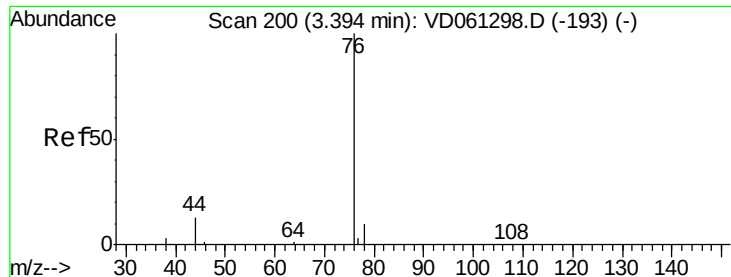
Tgt Ion: 43 Resp: 123420

Ion Ratio Lower Upper

43 100

58 26.2 19.4 29.0

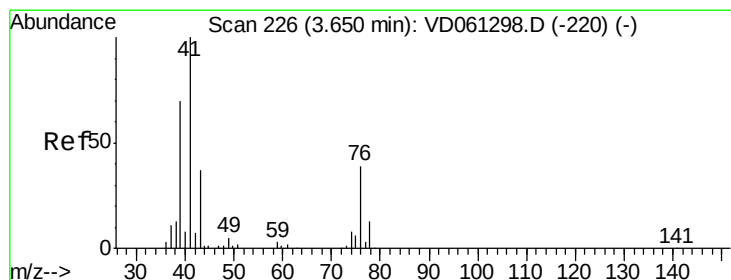
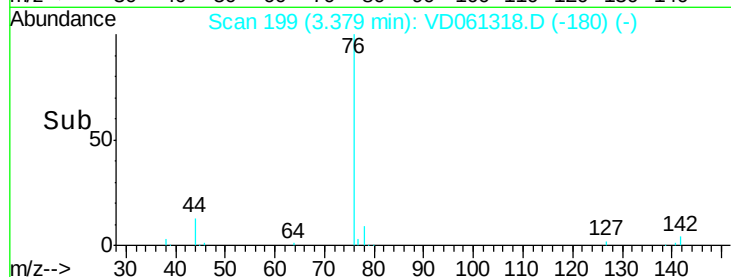
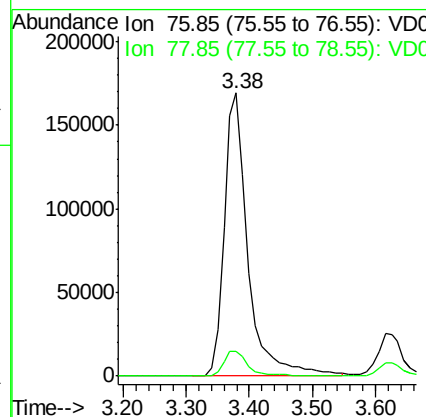
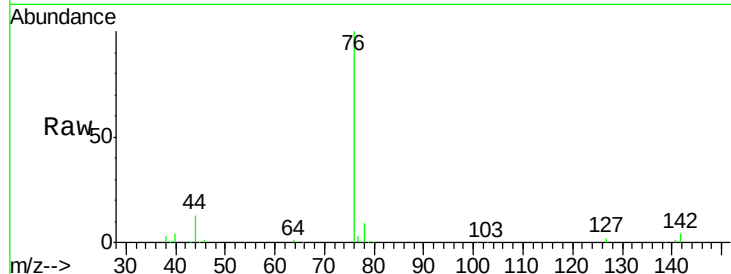




#17
Carbon Disulfide
Concen: 23.090 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

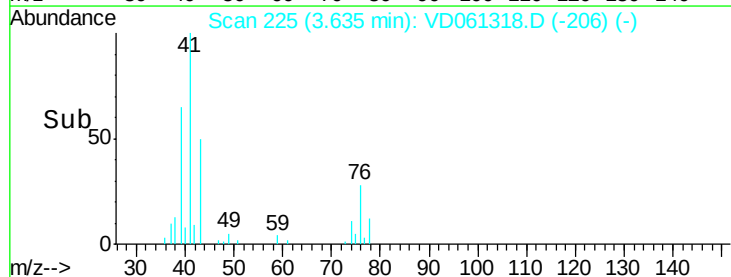
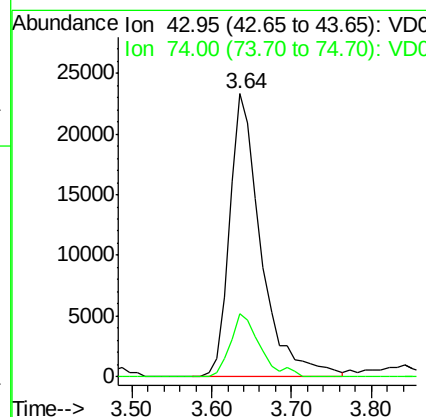
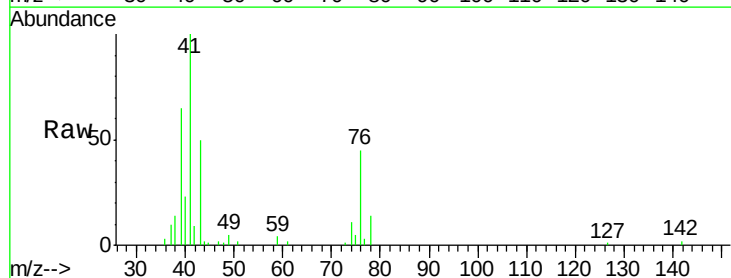
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD02

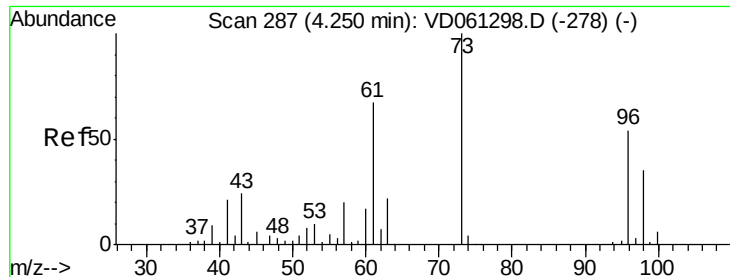
Tot Ion: 76 Resp: 442784
Ion Ratio Lower Upper
76 100
78 8.7 7.8 11.6



#18
Methyl Acetate
Concen: 27.658 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

Tgt Ion: 43 Resp: 64525
Ion Ratio Lower Upper
43 100
74 22.3 16.6 25.0

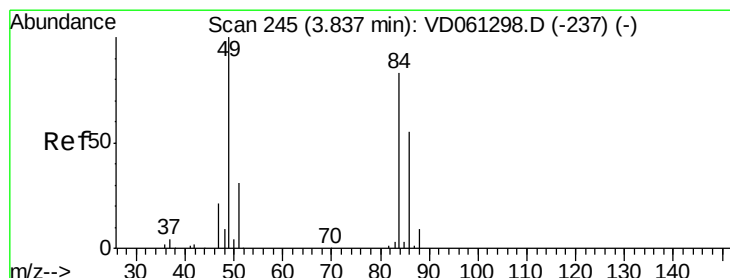
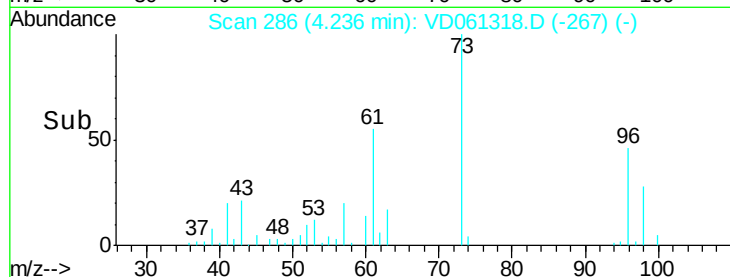
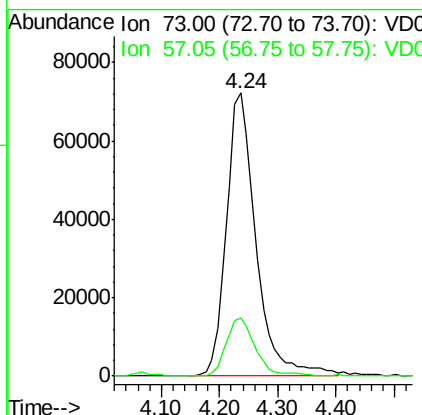
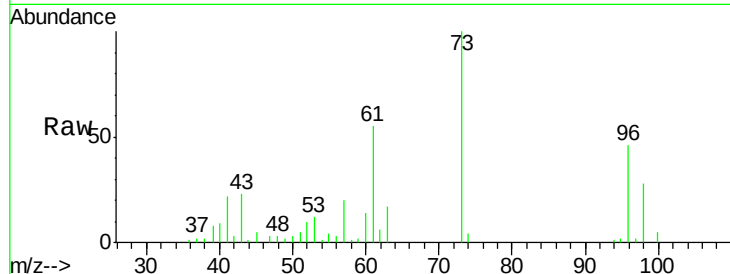




#19
Methyl tert-butyl Ether
Concen: 25.073 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

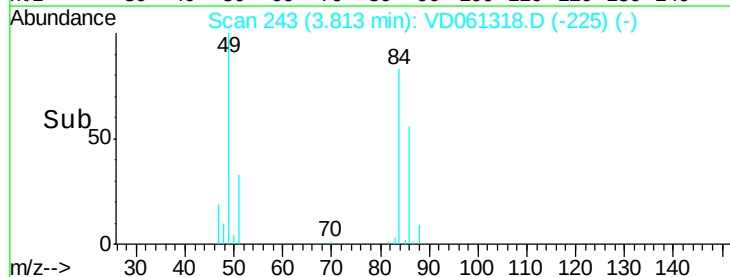
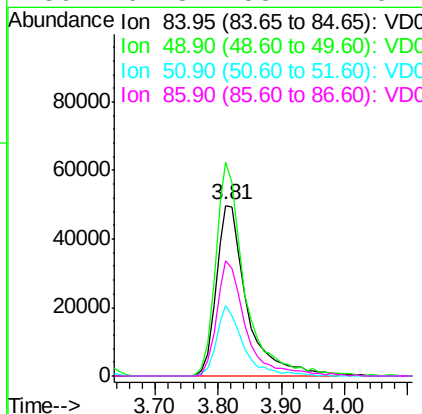
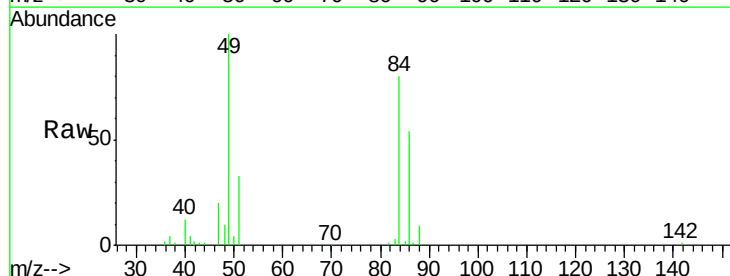
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS02

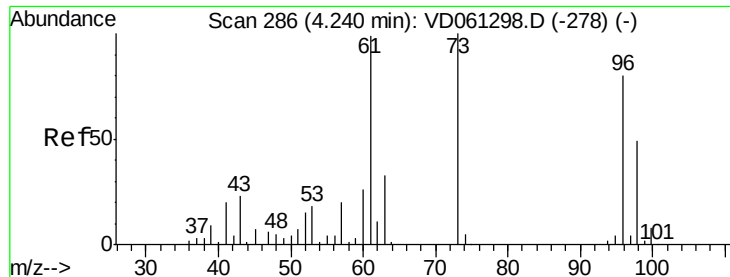
Tot Ion: 73 Resp: 254960
Ion Ratio Lower Upper
73 100
57 20.4 16.3 24.5



#20
Methylene Chloride
Concen: 24.131 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.02 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

Tgt Ion: 84 Resp: 169041
Ion Ratio Lower Upper
84 100
49 125.4 96.8 145.2
51 41.0 29.9 44.9
86 67.8 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 23.556 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.02 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS02

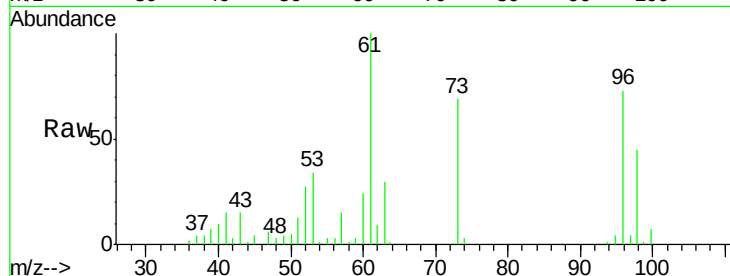
Tot Ion: 96 Resp: 152162

Ion Ratio Lower Upper

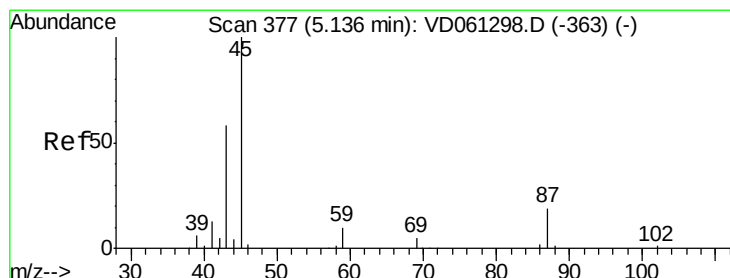
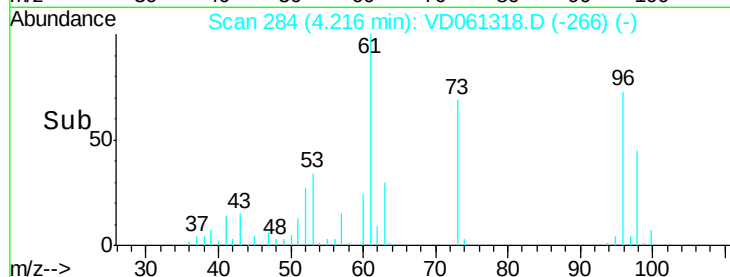
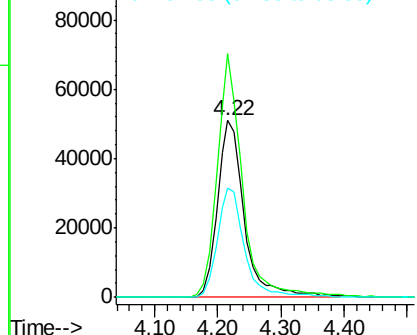
96 100

61 137.7 99.2 148.8

98 61.9 49.2 73.8



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: 24.342 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Tgt Ion: 45 Resp: 420009

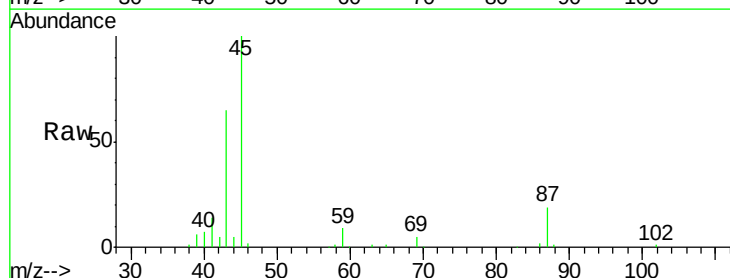
Ion Ratio Lower Upper

45 100

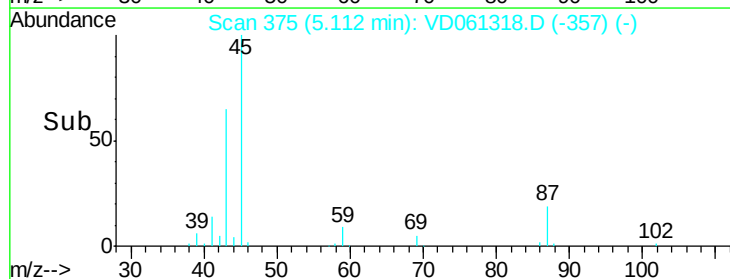
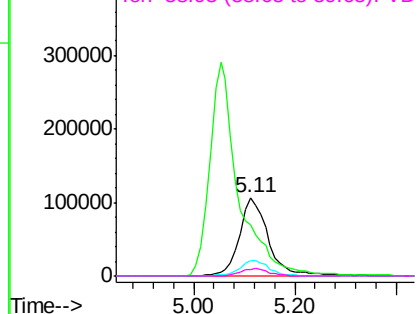
43 65.4 46.7 70.1

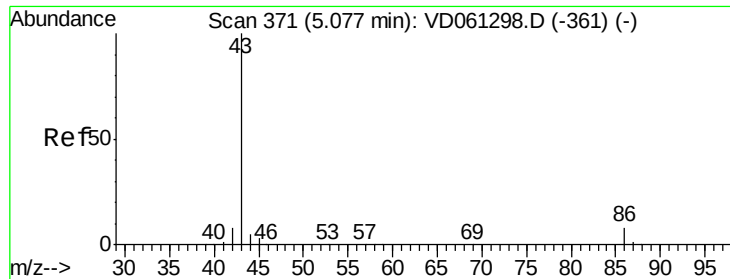
87 18.9 15.5 23.3

59 8.6 8.4 12.6



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: 124.715 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.02 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

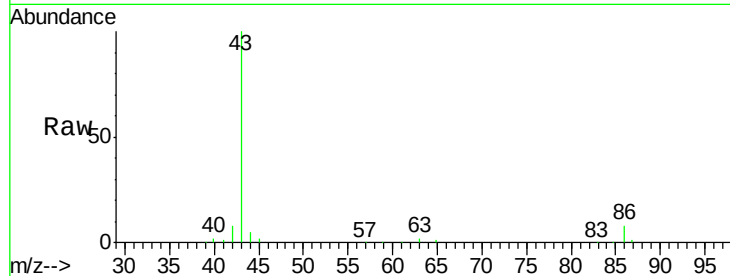
VD0325SBS02

Tot Ion: 43 Resp: 1149334

Ion Ratio Lower Upper

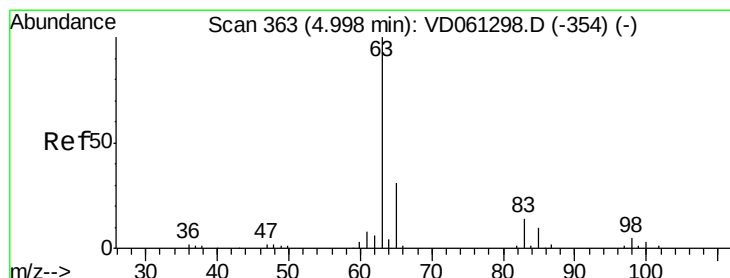
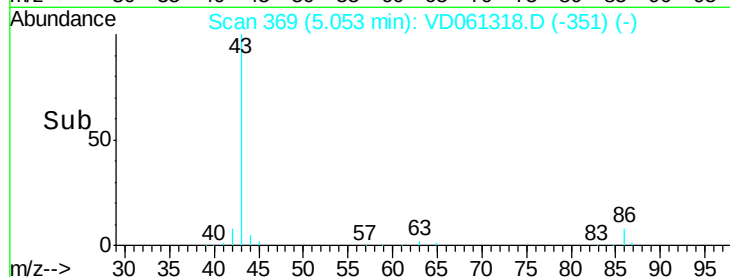
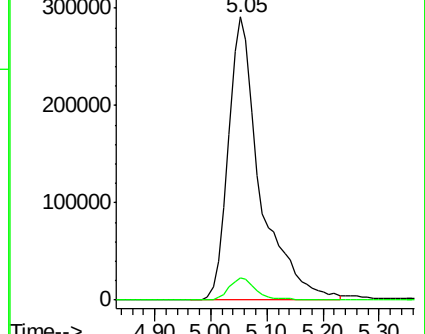
43 100

86 8.0 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 24.262 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

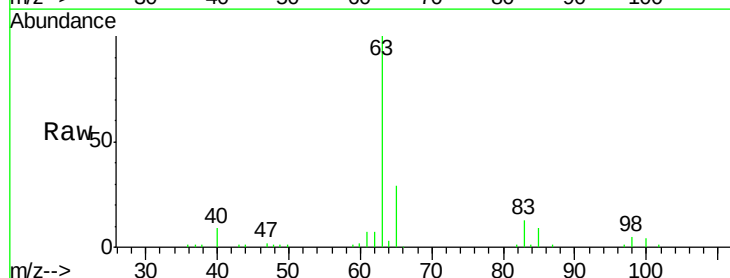
Tgt Ion: 63 Resp: 243958

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.3

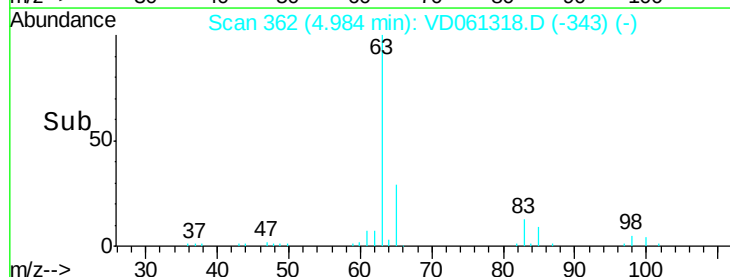
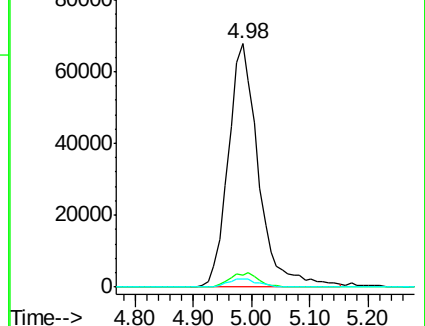
100 3.5 1.6 4.8

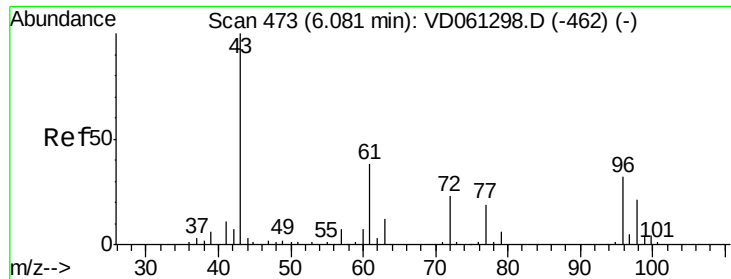


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 119.956 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

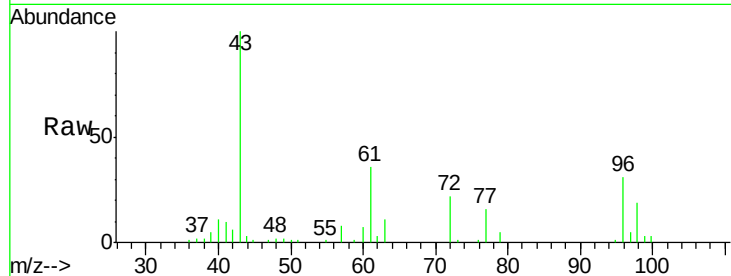
VD0325SBS02

Tot Ion: 43 Resp: 171248

Ion Ratio Lower Upper

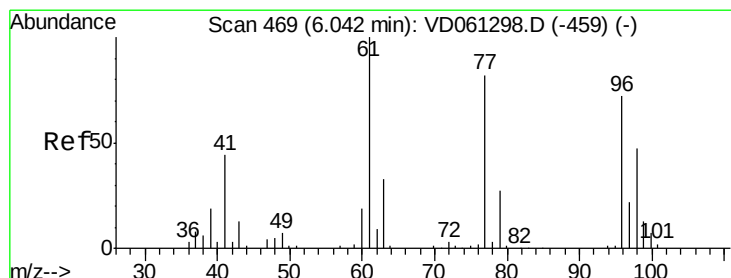
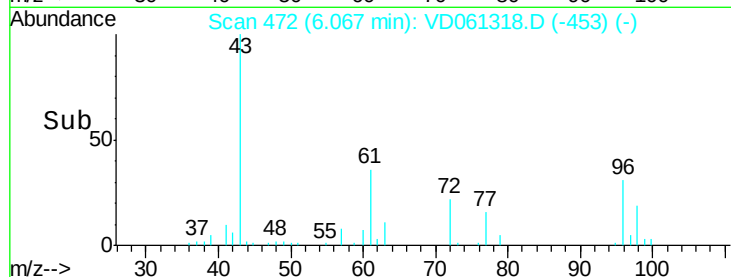
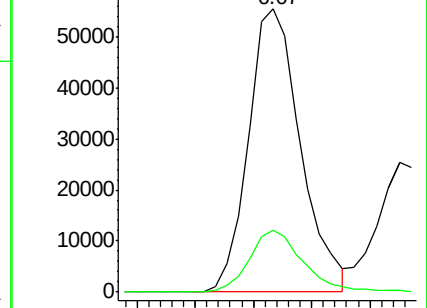
43 100

72 21.7 18.5 27.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.366 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD061318.D

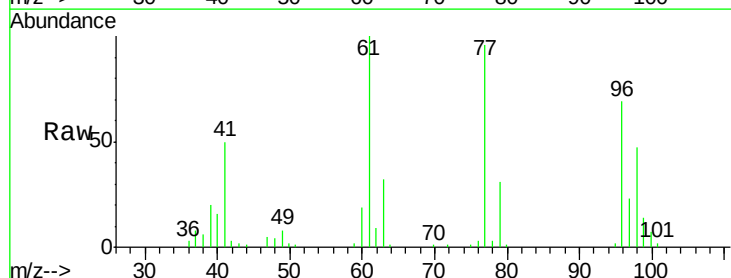
Acq: 26 Mar 2019 1:04

Tgt Ion: 77 Resp: 173885

Ion Ratio Lower Upper

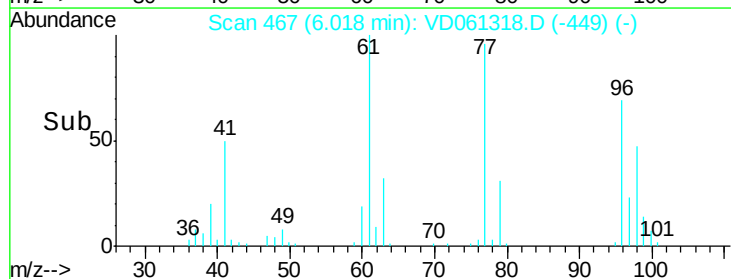
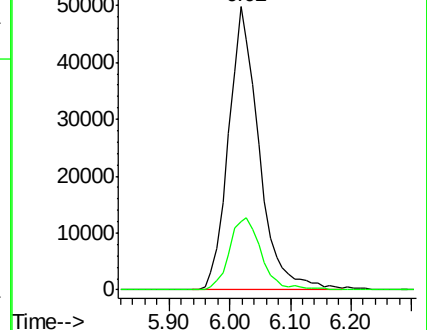
77 100

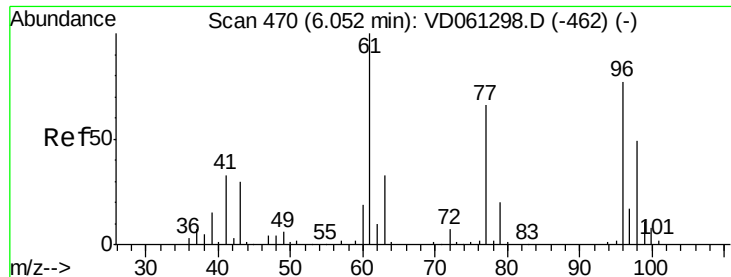
97 24.1 13.5 40.5



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: 24.366 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.01 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBSD02

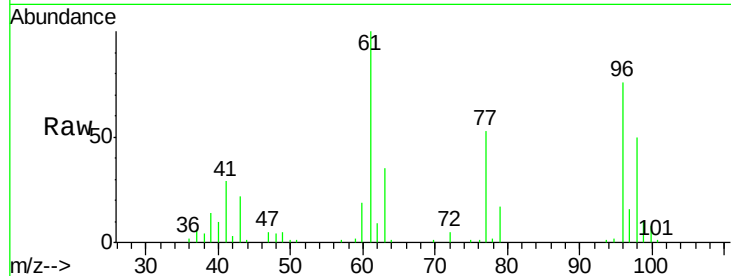
Tot Ion: 96 Resp: 169372

Ion Ratio Lower Upper

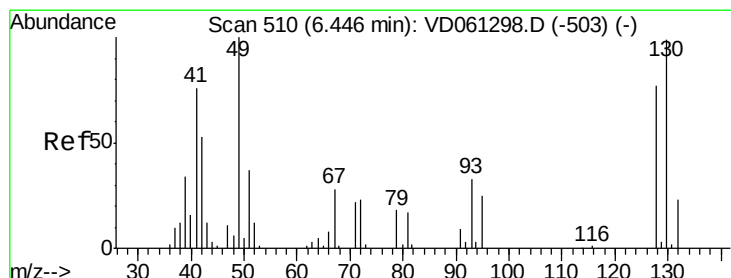
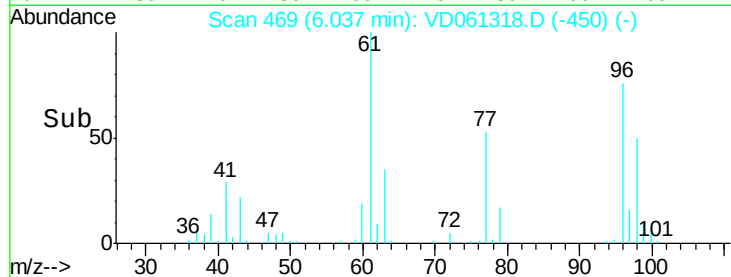
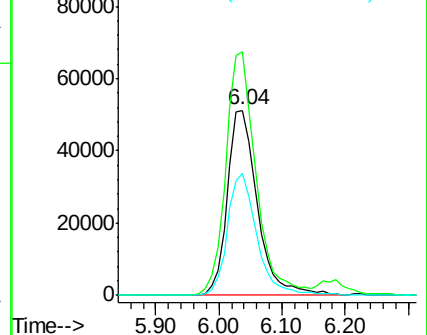
96 100

61 131.5 0.0 261.0

98 66.0 0.0 127.6



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: 24.105 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

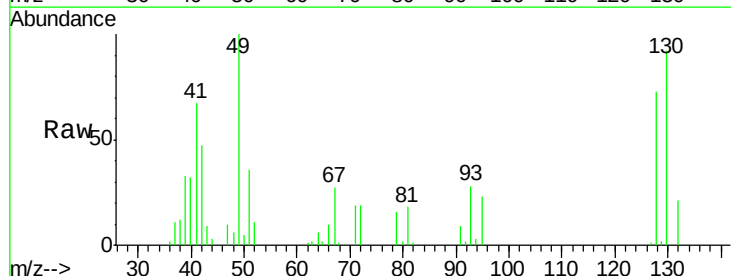
Tgt Ion: 49 Resp: 101450

Ion Ratio Lower Upper

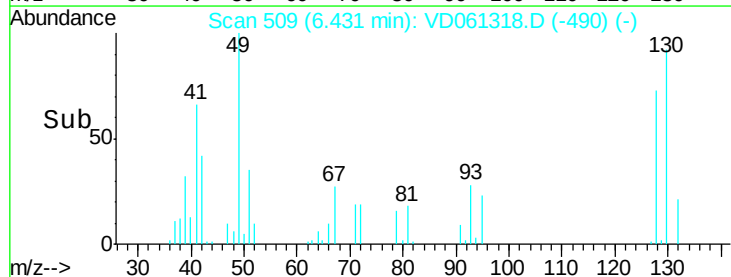
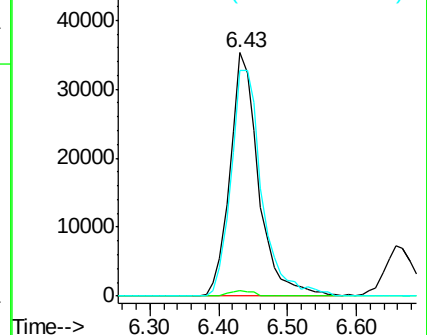
49 100

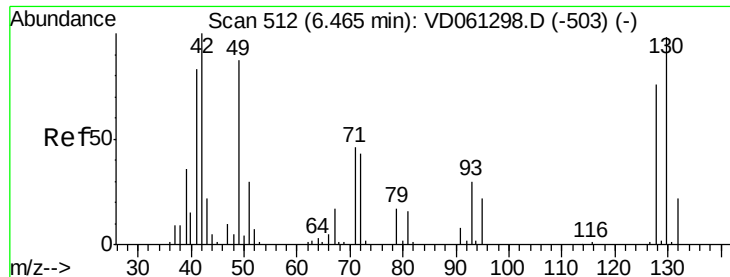
129 2.5 0.0 5.2

130 92.5 79.0 118.6



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: 131.394 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS02

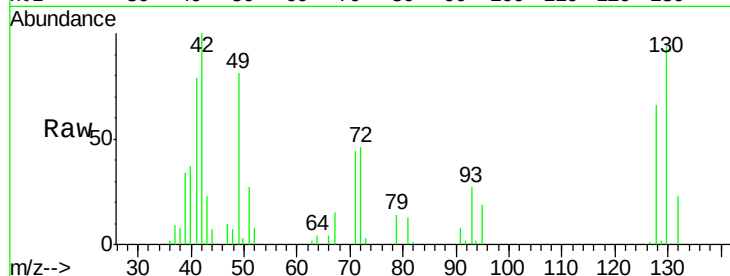
Tot Ion: 42 Resp: 93366

Ion Ratio Lower Upper

42 100

72 45.3 36.6 54.8

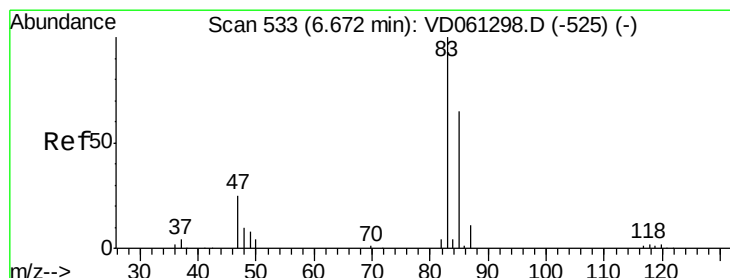
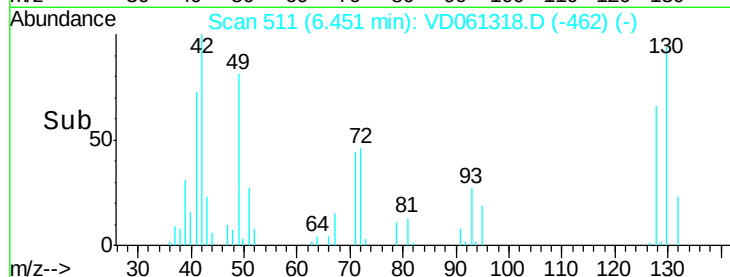
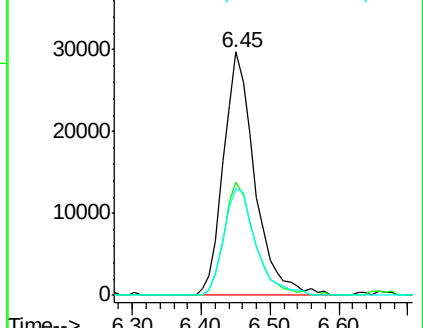
71 45.1 36.3 54.5



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: 23.546 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD061318.D

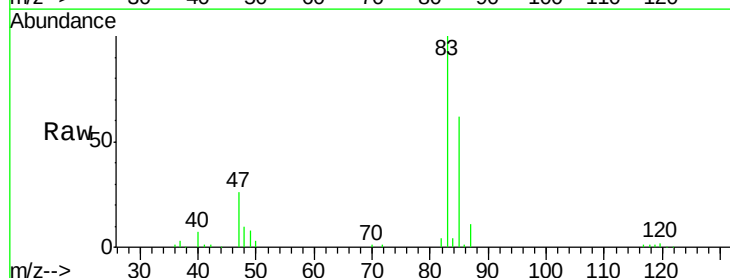
Acq: 26 Mar 2019 1:04

Tgt Ion: 83 Resp: 252299

Ion Ratio Lower Upper

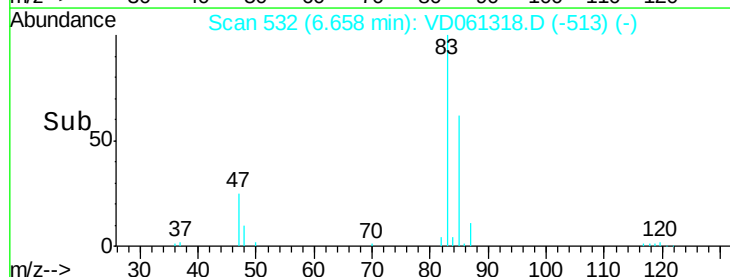
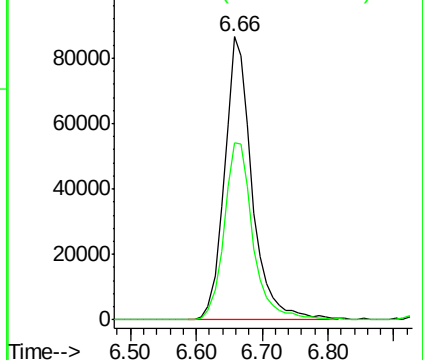
83 100

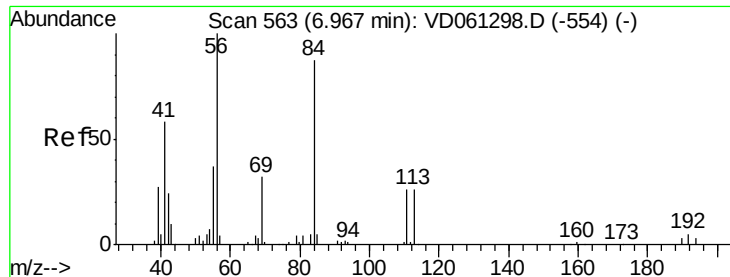
85 62.4 52.2 78.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

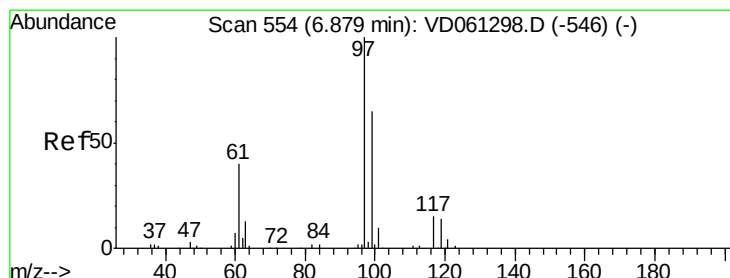
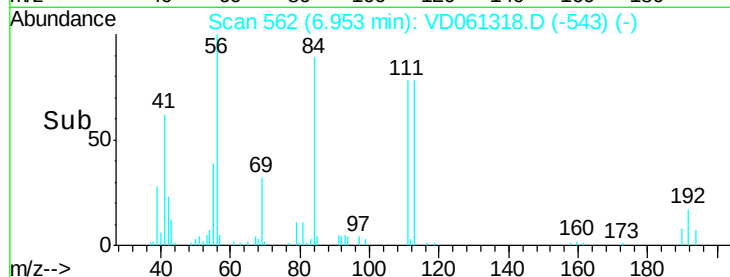
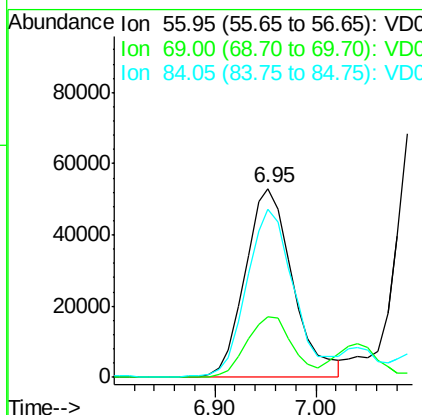
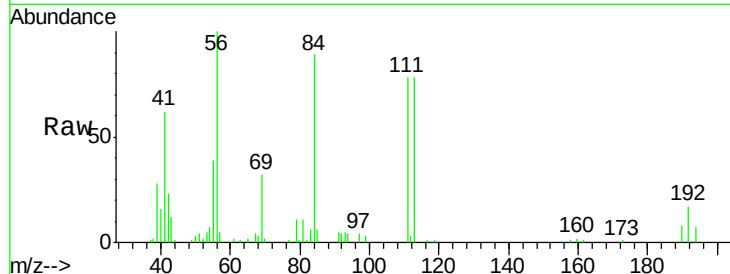




#31
Cyclohexane
Concen: 21.356 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

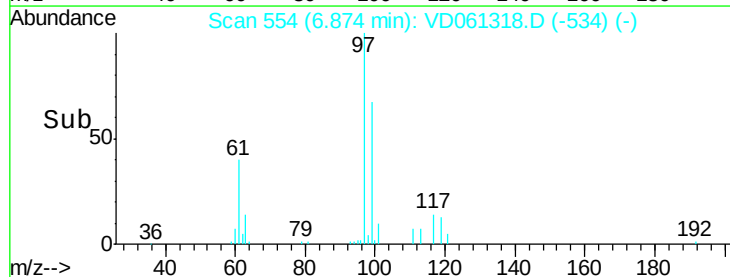
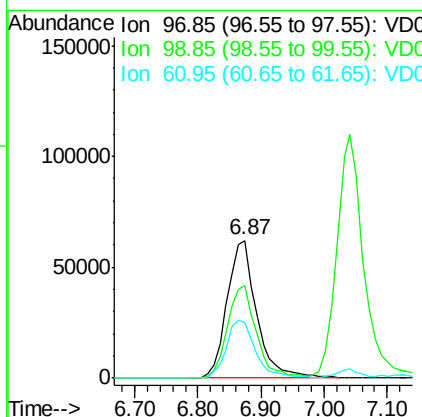
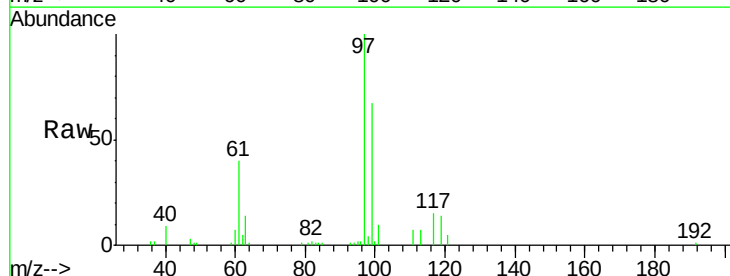
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD02

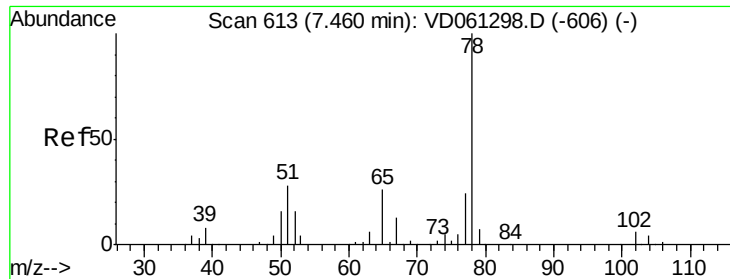
Tot Ion: 56 Resp: 174286
Ion Ratio Lower Upper
56 100
69 32.3 25.5 38.3
84 88.5 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 21.162 ug/l
RT: 6.87 min Scan# 554
Delta R.T. -0.00 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

Tgt Ion: 97 Resp: 200821
Ion Ratio Lower Upper
97 100
99 66.9 51.8 77.6
61 40.1 31.9 47.9

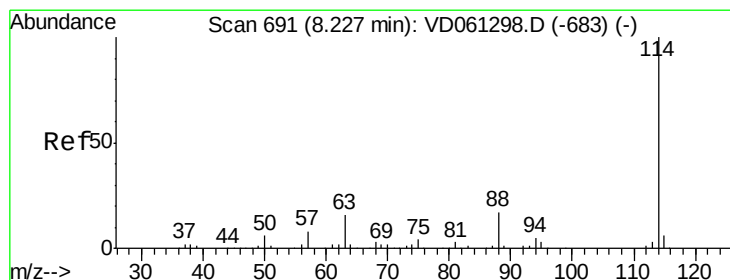
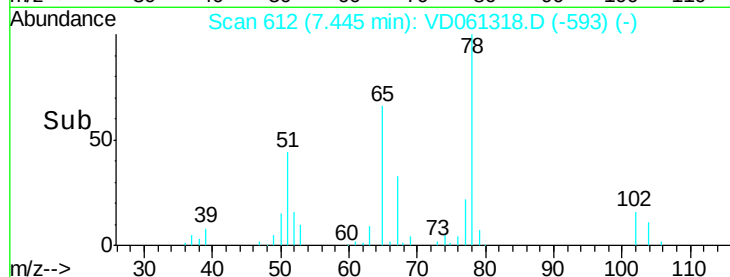
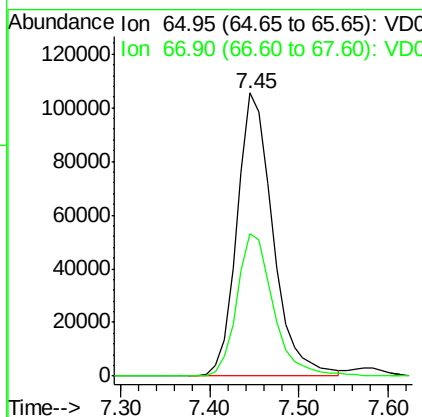
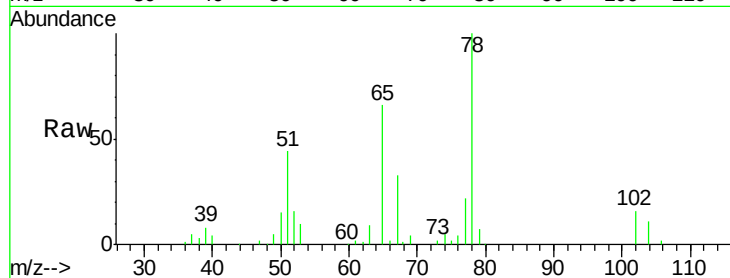




#33
 1,2-Dichloroethane-d4
 Concen: 21.162 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

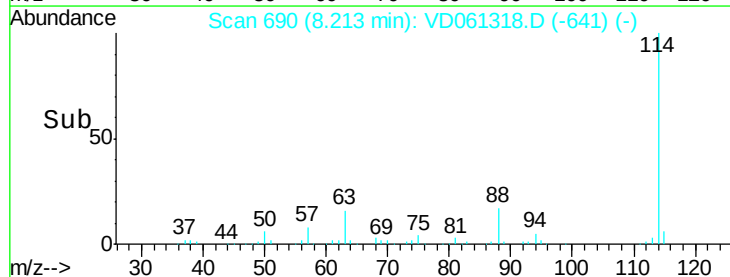
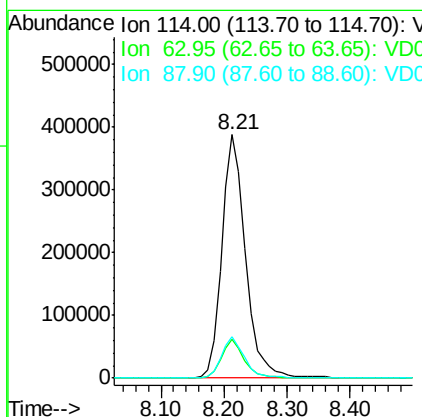
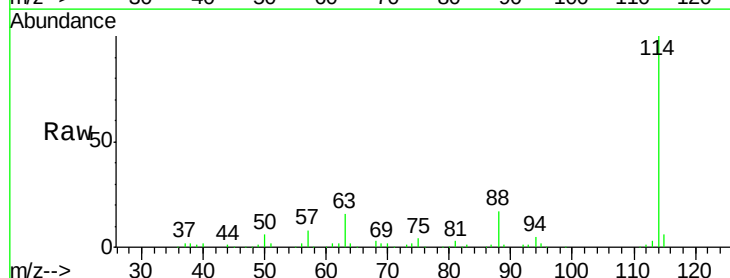
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBSD02

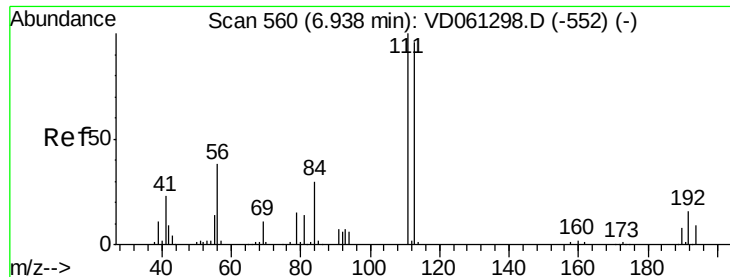
Tot Ion: 65 Resp: 294785
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

Tgt Ion: 114 Resp: 1010115
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.4
 88 16.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS02

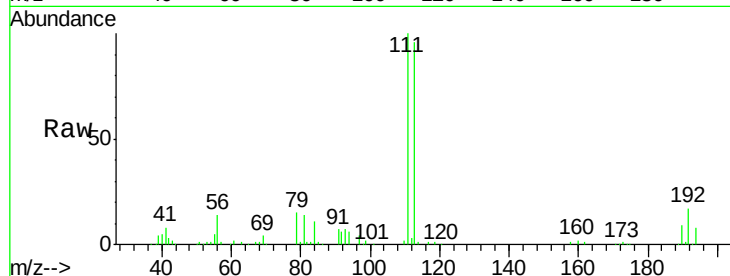
Tot Ion:113 Resp: 426195

Ion Ratio Lower Upper

113 100

111 104.6 83.7 125.5

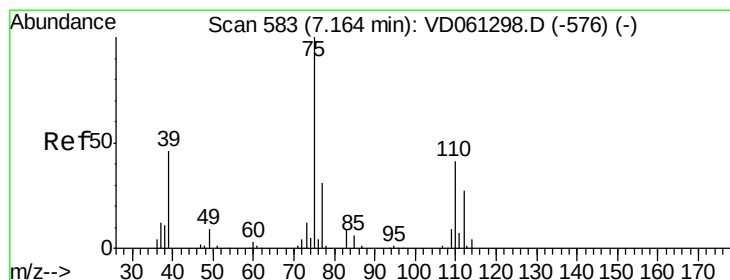
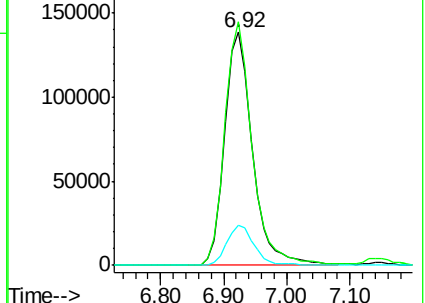
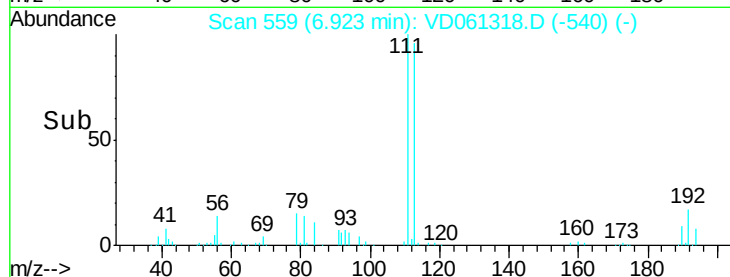
192 17.3 13.4 20.0



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: 21.668 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.02 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

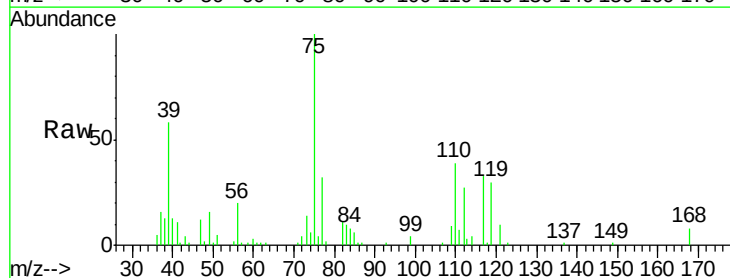
Tgt Ion: 75 Resp: 179075

Ion Ratio Lower Upper

75 100

110 39.1 20.1 60.2

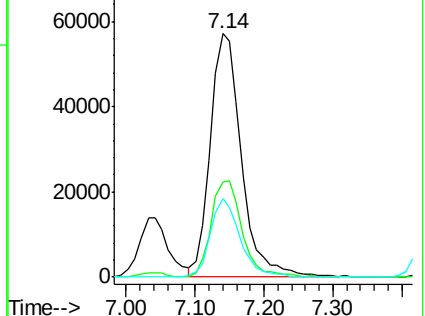
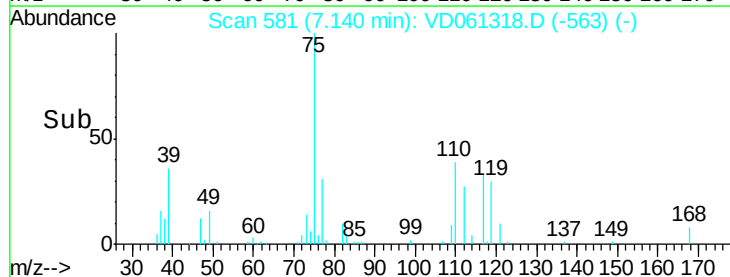
77 32.2 24.3 36.5

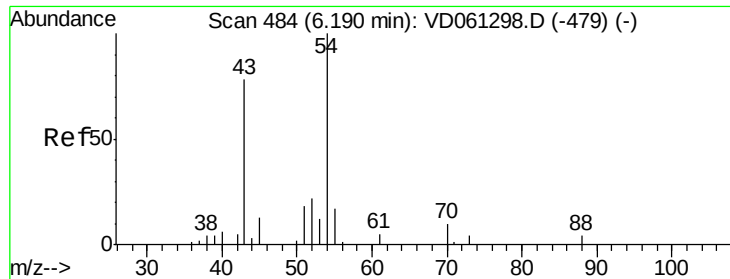


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

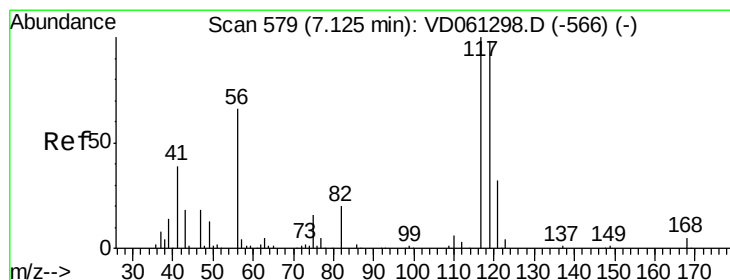
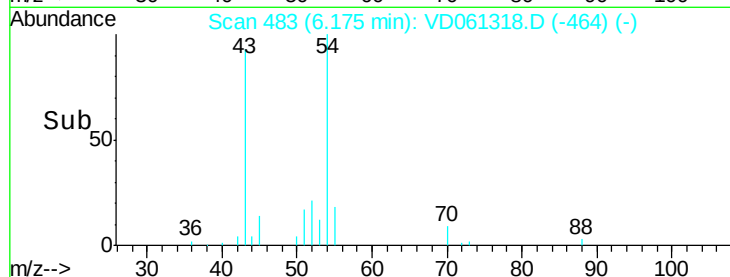
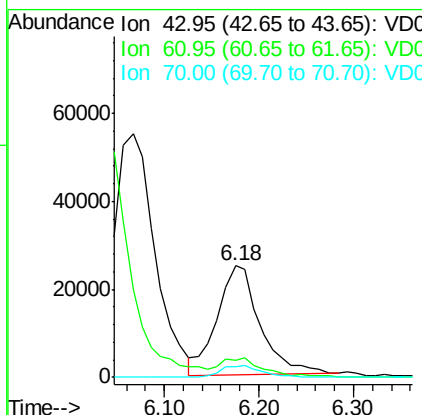
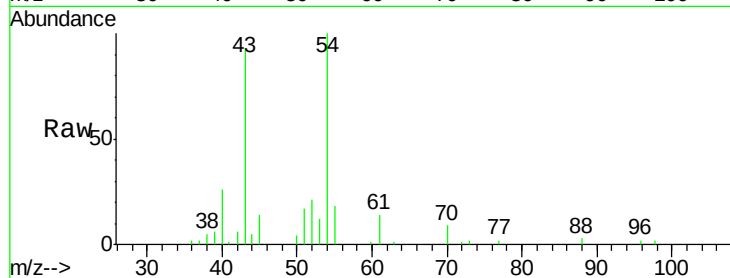




#37
Ethyl Acetate
Concen: 22.764 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

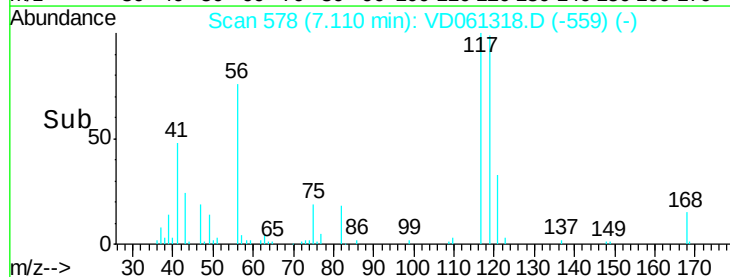
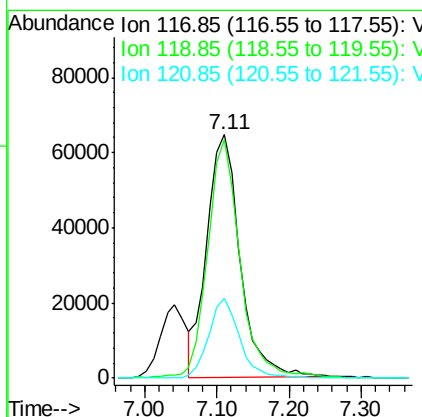
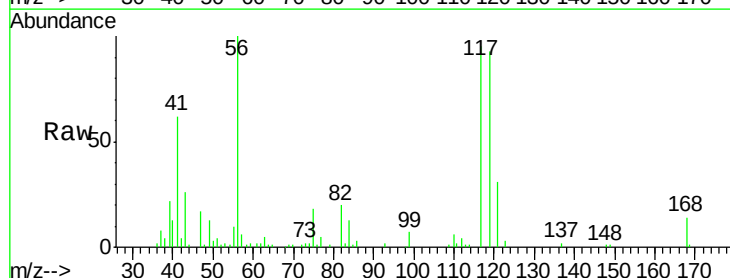
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS02

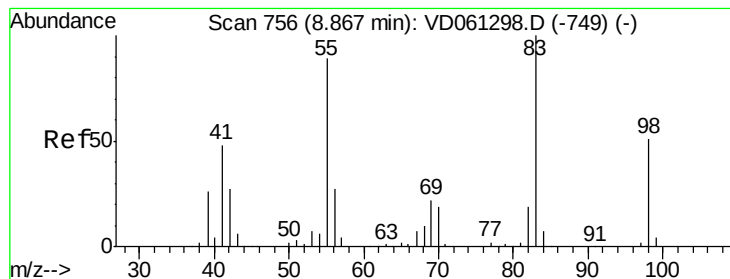
Tot Ion: 43 Resp: 78578
Ion Ratio Lower Upper
43 100
61 14.8 12.6 19.0
70 9.3 8.2 12.4



#38
Carbon Tetrachloride
Concen: 21.826 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

Tgt Ion: 117 Resp: 206162
Ion Ratio Lower Upper
117 100
119 97.9 78.4 117.6
121 32.6 25.1 37.7





#39

Methylvlcyclohexane

Concen: 22.854 ug/l

RT: 8.86 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS02

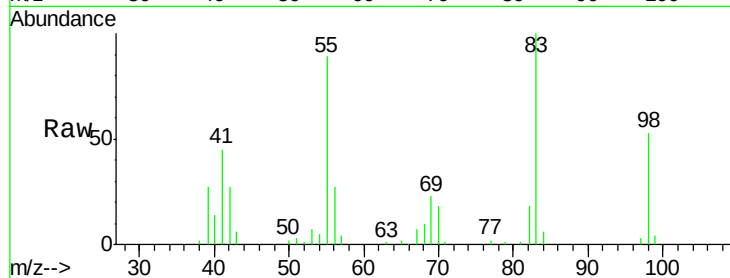
Tot Ion: 83 Resp: 195610

Ion Ratio Lower Upper

83 100

55 89.2 71.3 106.9

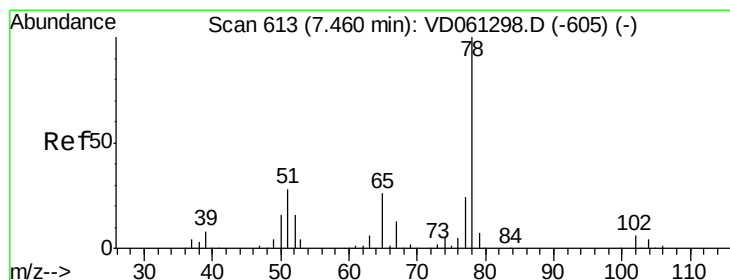
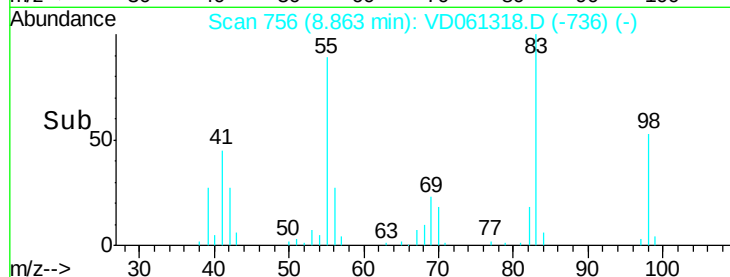
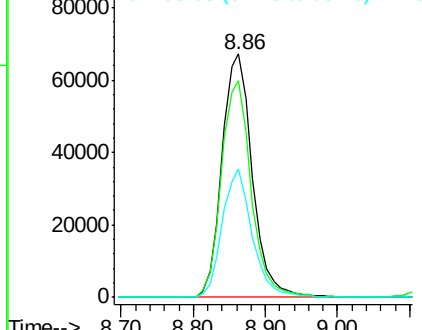
98 52.9 40.4 60.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 23.692 ug/l

RT: 7.45 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD061318.D

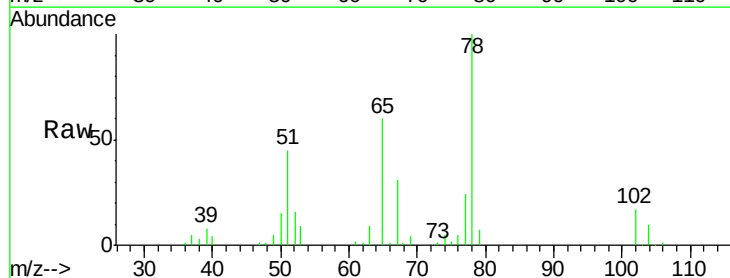
Acq: 26 Mar 2019 1:04

Tgt Ion: 78 Resp: 486276

Ion Ratio Lower Upper

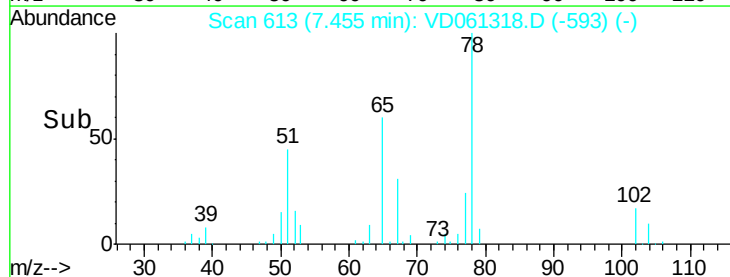
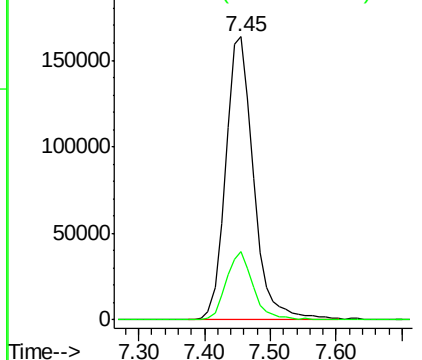
78 100

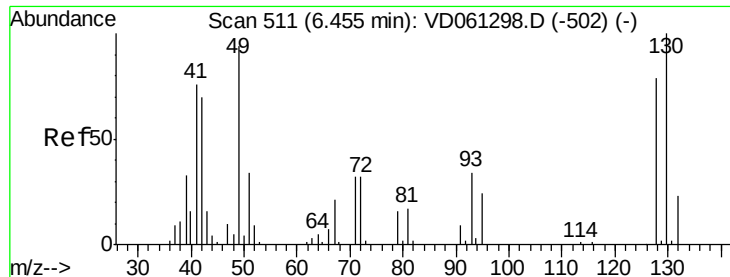
77 24.4 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

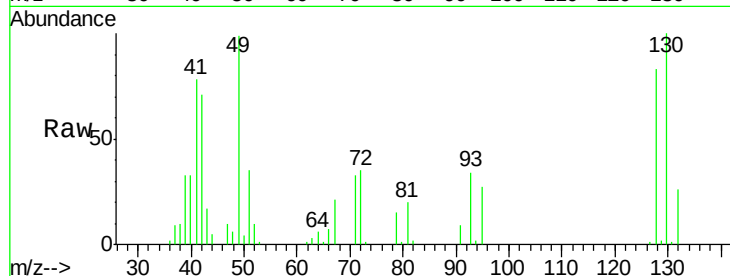




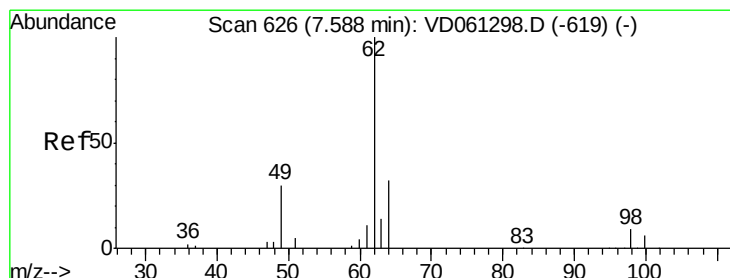
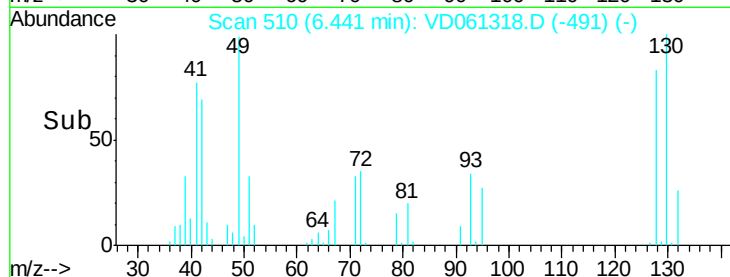
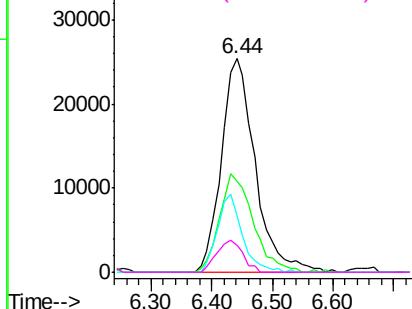
#41
Methacrylonitrile
Concen: 24.553 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD02

Tot Ion:	41	Resp:	98489
Ion	Ratio	Lower	Upper
41	100		
39	42.3	34.2	51.2
67	26.6	21.8	32.6
52	12.5	9.0	13.4

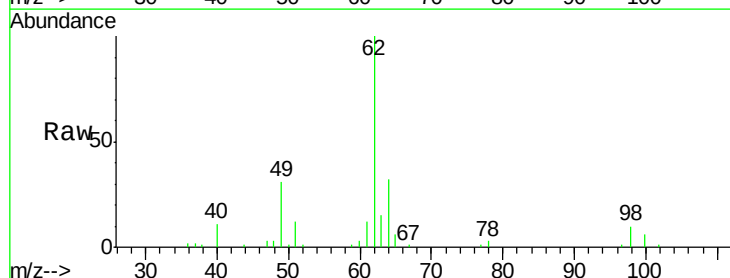


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

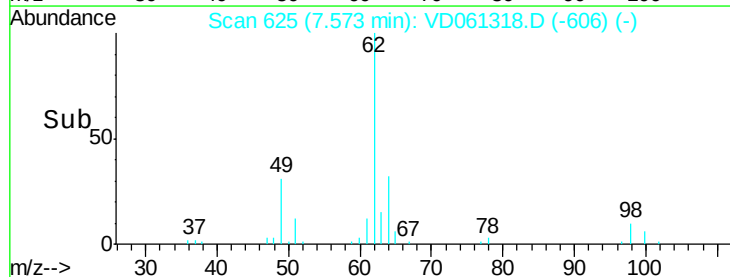
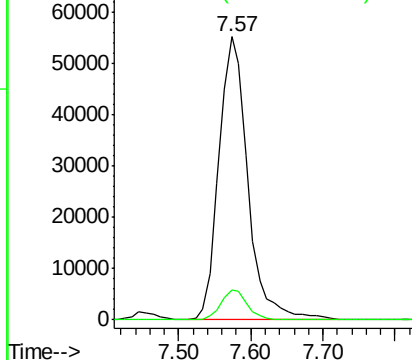


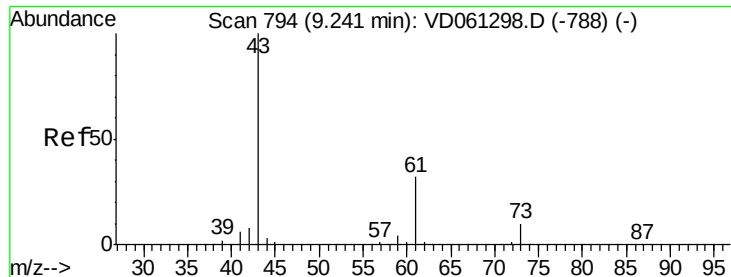
#42
1,2-Dichloroethane
Concen: 23.917 ug/l
RT: 7.57 min Scan# 625
Delta R.T. -0.01 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

Tgt Ion:	62	Resp:	152993
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 25.956 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS02

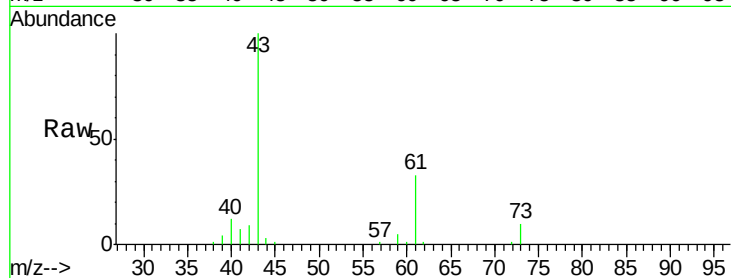
Tot Ion: 43 Resp: 129186

Ion Ratio Lower Upper

43 100

61 32.8 25.8 38.8

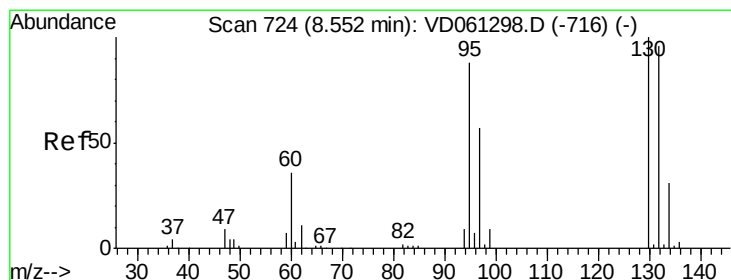
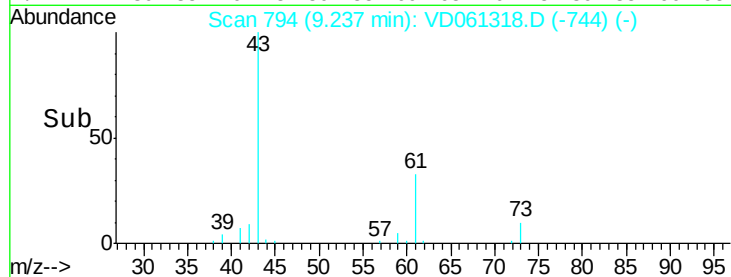
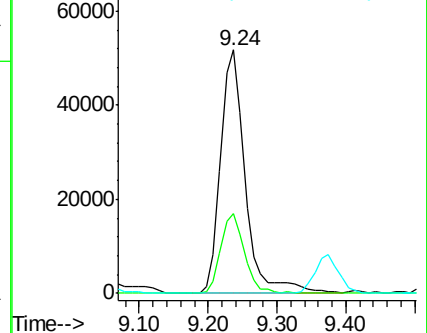
87 0.0 0.3 0.5#



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: 24.408 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD061318.D

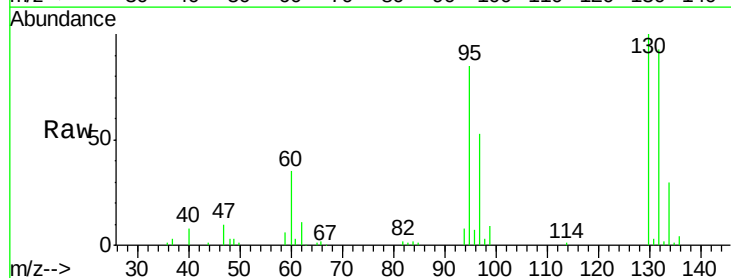
Acq: 26 Mar 2019 1:04

Tgt Ion:130 Resp: 181181

Ion Ratio Lower Upper

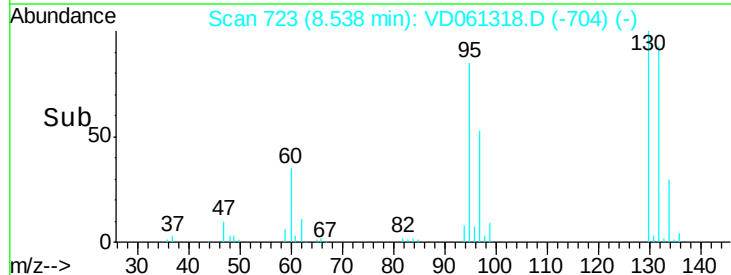
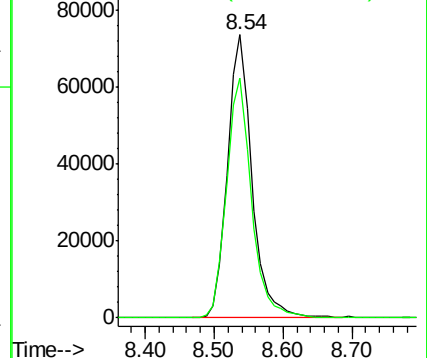
130 100

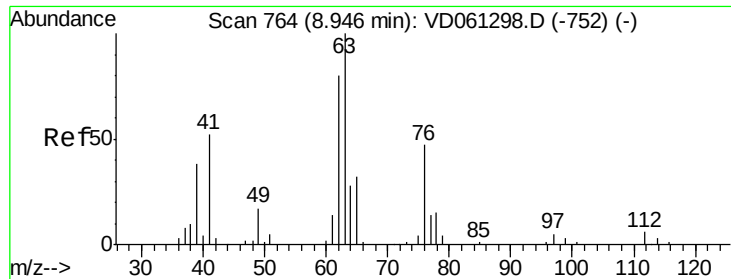
95 84.6 0.0 175.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

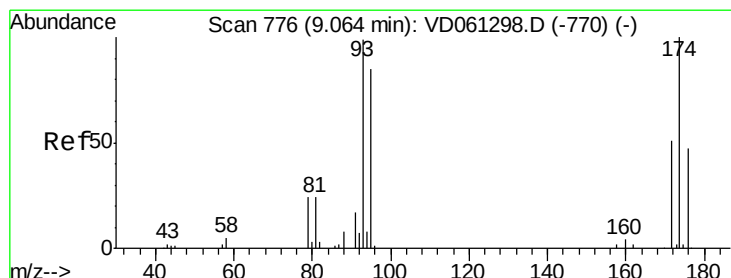
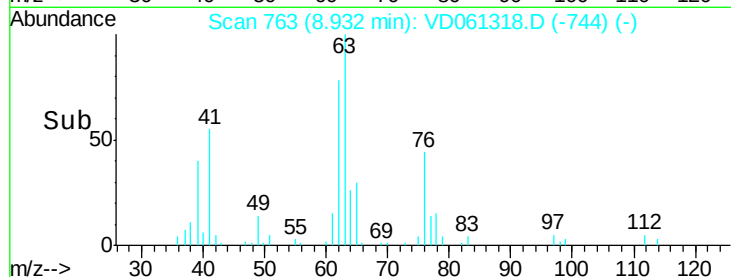
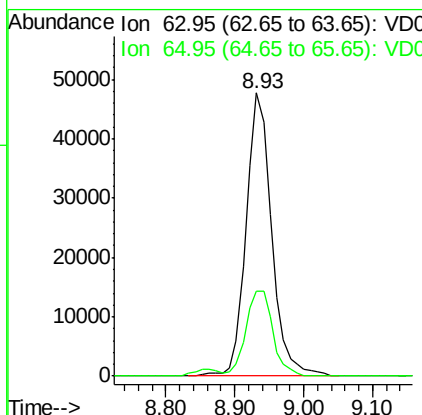
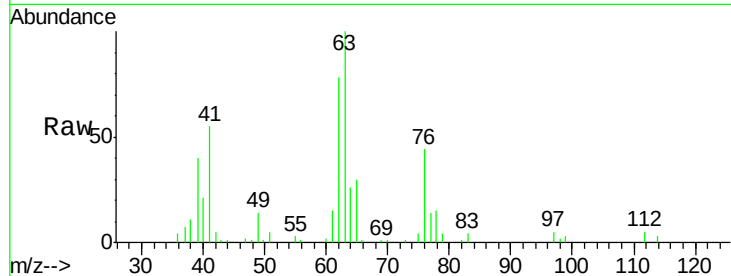




#45
 1,2-Dichloropropane
 Concen: 24.288 ug/l
 RT: 8.93 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

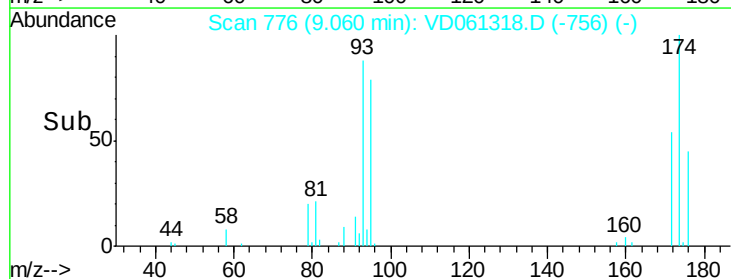
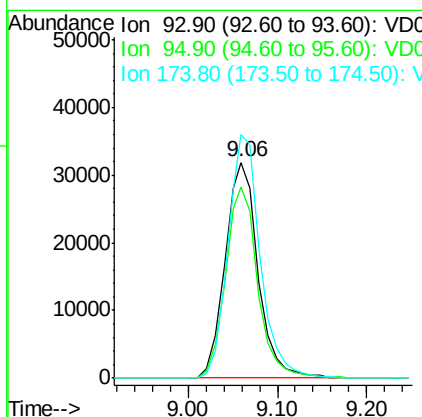
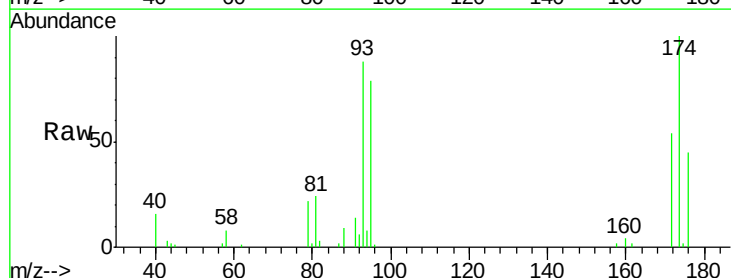
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS02

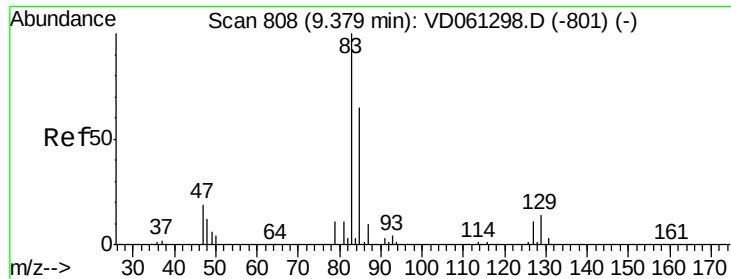
Tot Ion: 63 Resp: 123039
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.2 37.8



#46
 Dibromomethane
 Concen: 23.688 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

Tgt Ion: 93 Resp: 82253
 Ion Ratio Lower Upper
 93 100
 95 88.9 68.1 102.1
 174 113.0 80.4 120.6





#47

Bromodichloromethane

Concen: 23.535 ug/l

RT: 9.37 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBSD02

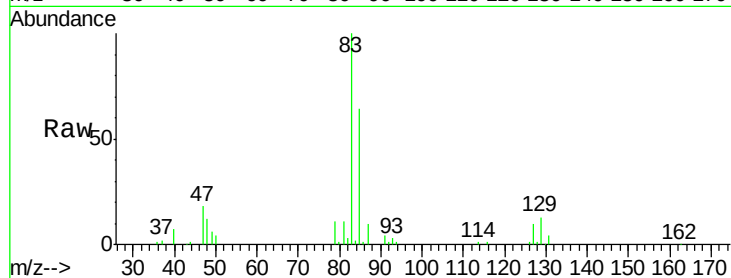
Tot Ion: 83 Resp: 191543

Ion Ratio Lower Upper

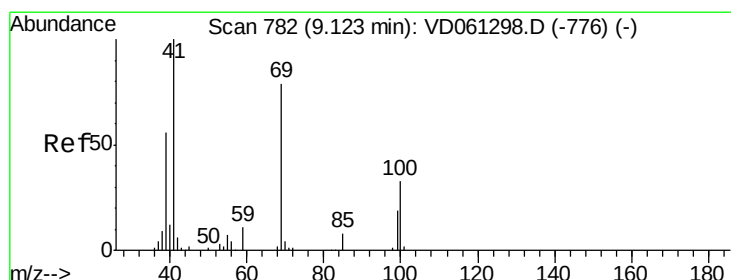
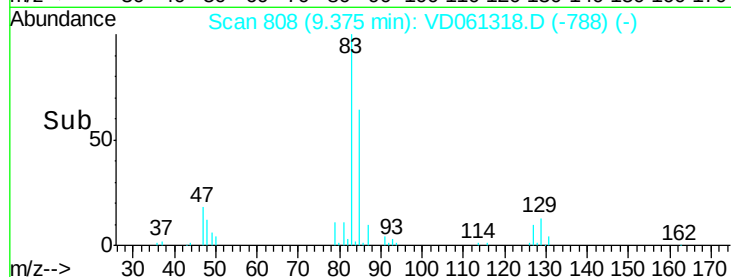
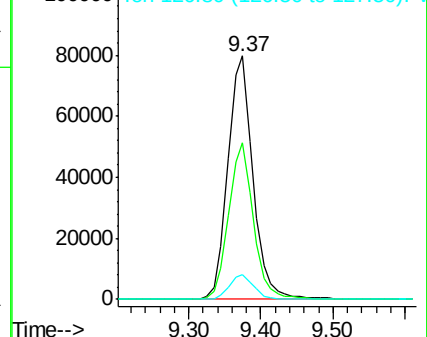
83 100

85 64.1 51.7 77.5

127 10.0 8.8 13.2



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): V



#48

Methyl methacrylate

Concen: 25.682 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

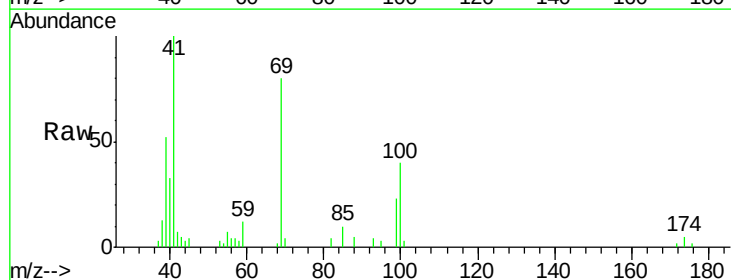
Tgt Ion: 41 Resp: 68225

Ion Ratio Lower Upper

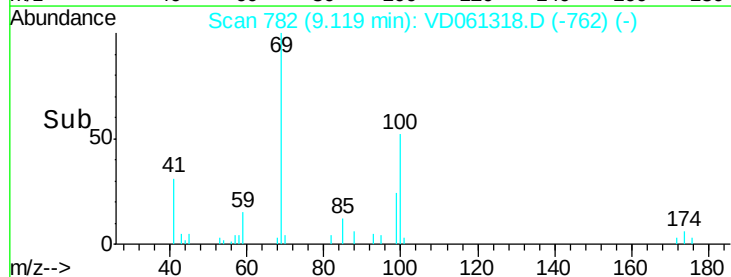
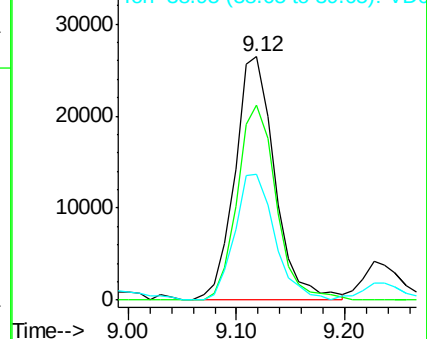
41 100

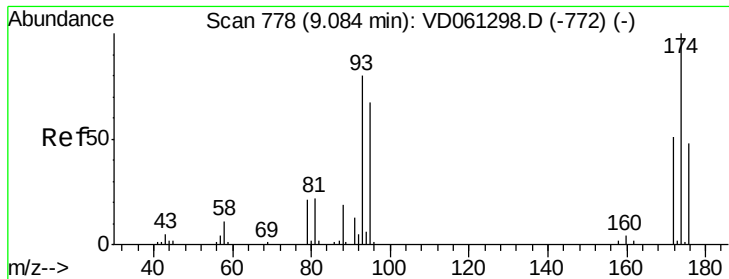
69 80.0 62.4 93.6

39 51.9 44.9 67.3



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

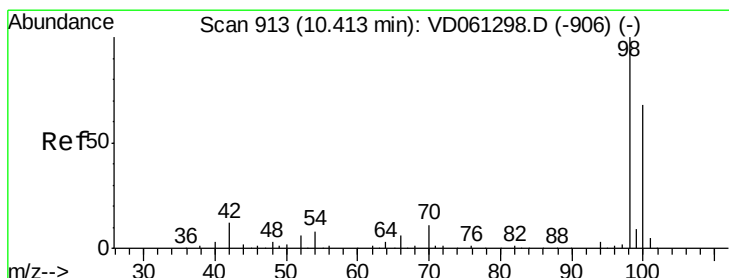
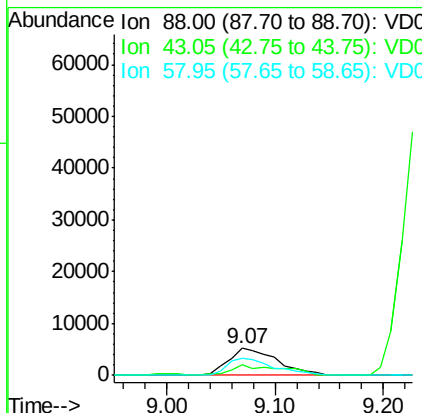
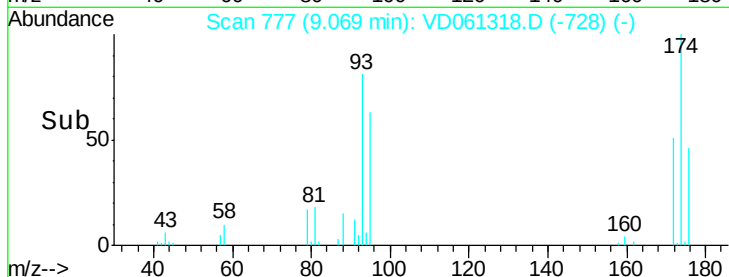
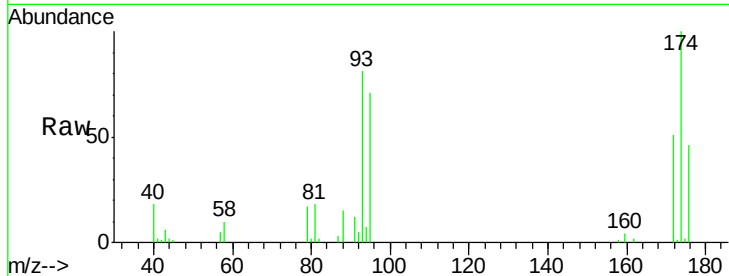




#49
1,4-Dioxane
Concen: 553.981 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.01 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

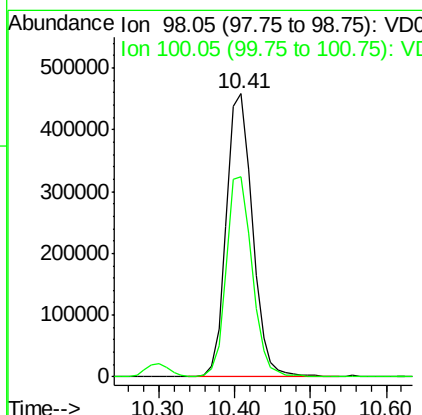
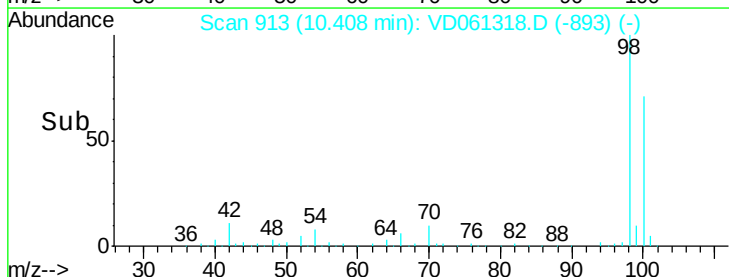
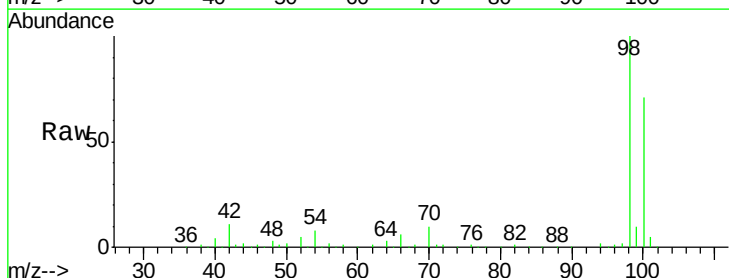
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD02

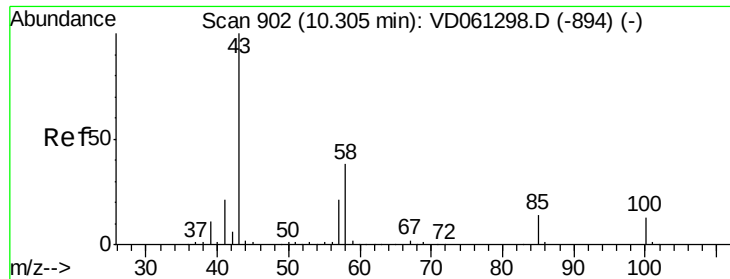
Tot Ion: 88 Resp: 16147
Ion Ratio Lower Upper
88 100
43 37.1 20.7 31.1#
58 63.1 44.9 67.3



#50
Toluene-d8
Concen: 553.981 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

Tgt Ion: 98 Resp: 1099148
Ion Ratio Lower Upper
98 100
100 70.9 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 128.992 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

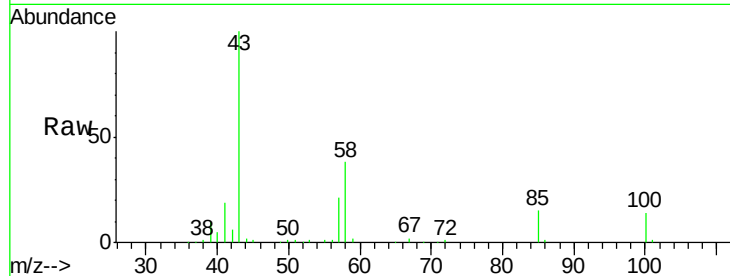
VD0325SBS02

Tot Ion: 43 Resp: 382190

Ion Ratio Lower Upper

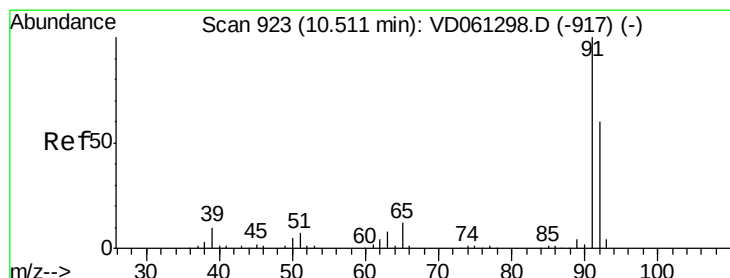
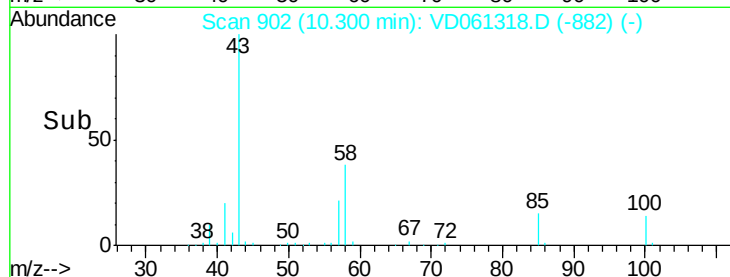
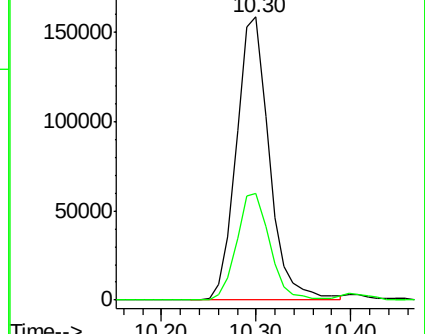
43 100

58 37.7 30.6 45.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 23.837 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD061318.D

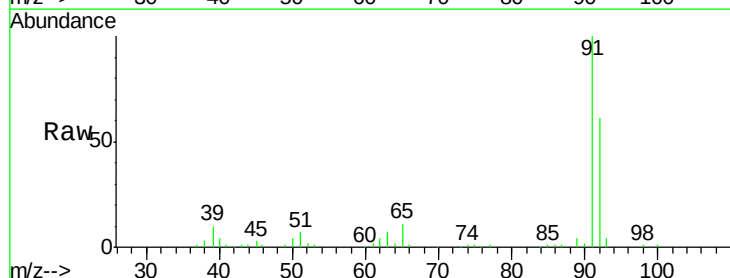
Acq: 26 Mar 2019 1:04

Tgt Ion: 92 Resp: 299357

Ion Ratio Lower Upper

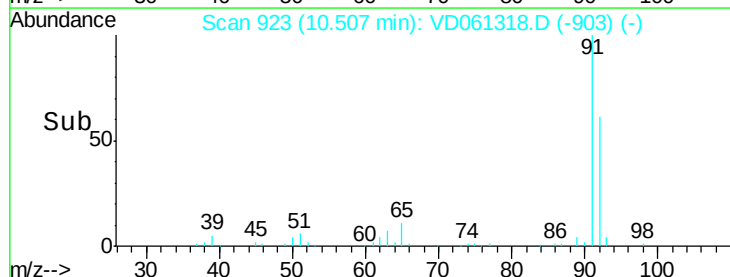
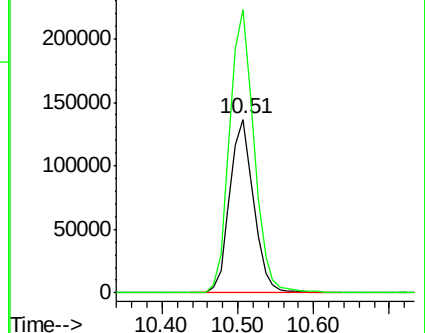
92 100

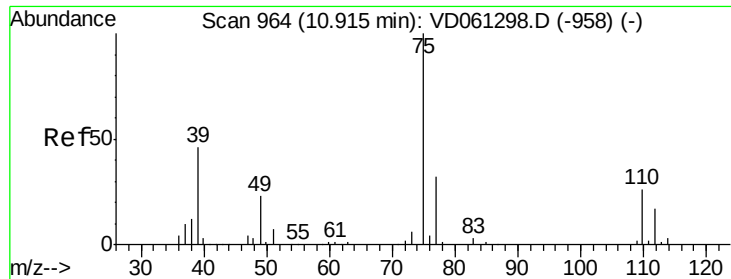
91 163.2 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

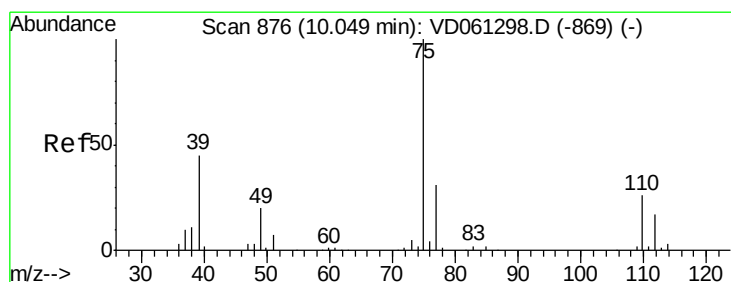
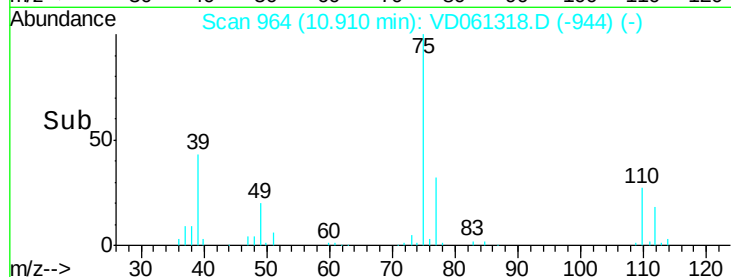
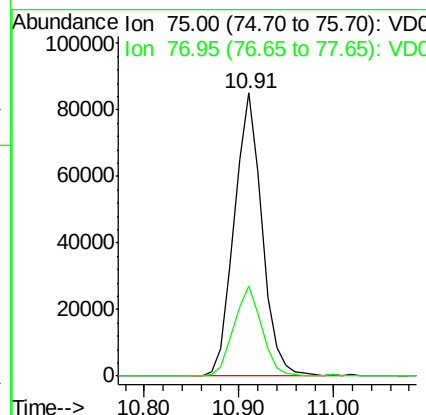
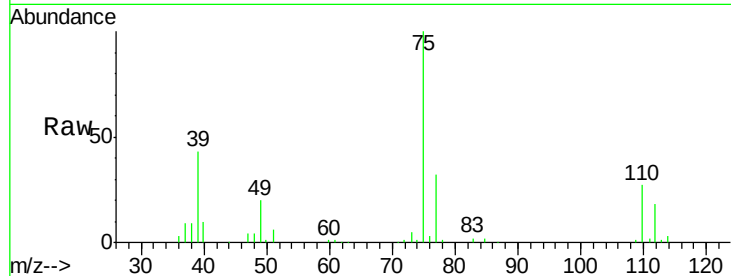




#53
 t-1,3-Dichloropropene
 Concen: 24.475 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

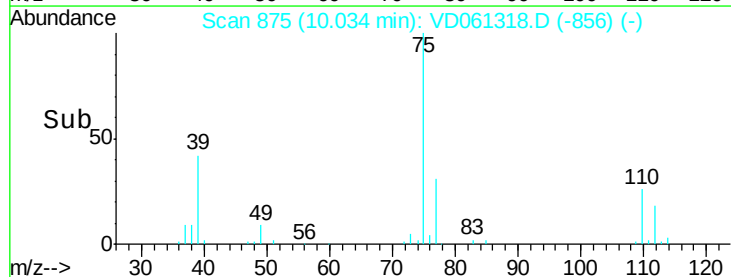
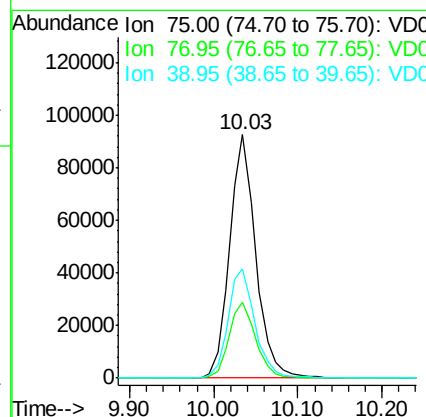
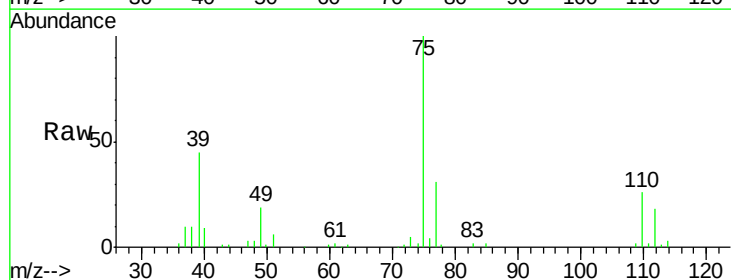
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBSD02

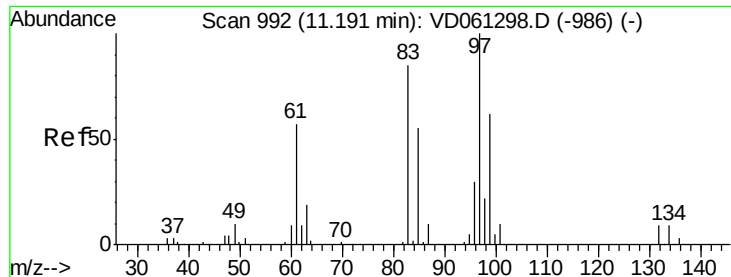
Tot Ion: 75 Resp: 173112
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 23.028 ug/l
 RT: 10.03 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

Tgt Ion: 75 Resp: 198893
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.9 37.3
 39 44.7 36.0 54.0

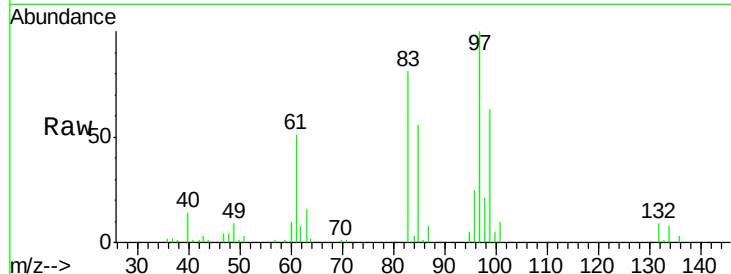




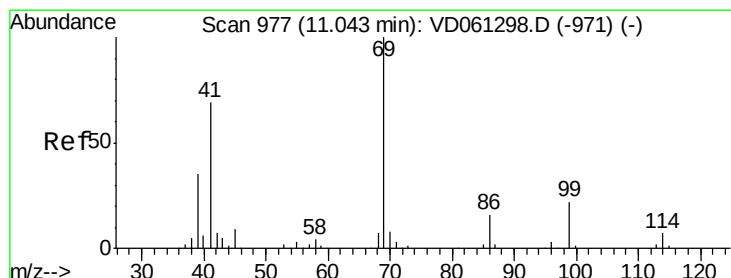
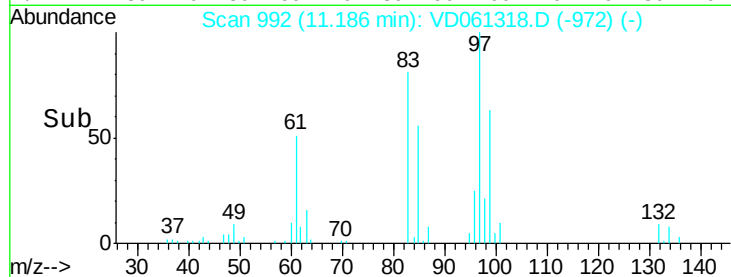
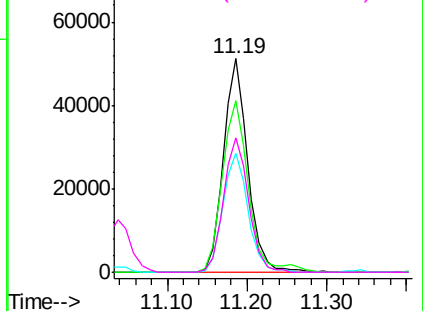
#55
 1,1,2-Trichloroethane
 Concen: 26.438 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBSD02

Tot Ion:	97	Resp:	110232
Ion	Ratio	Lower	Upper
97	100		
83	80.6	67.7	101.5
85	55.5	43.8	65.8
99	63.0	49.8	74.6

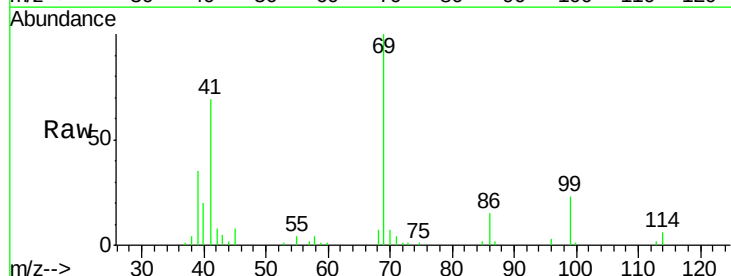


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

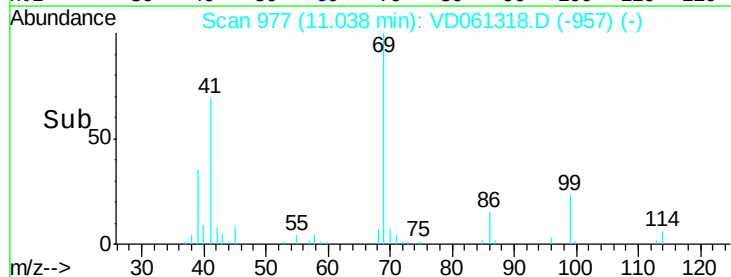
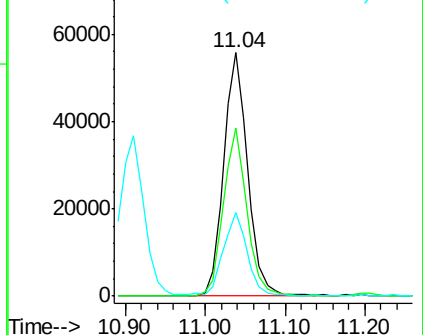


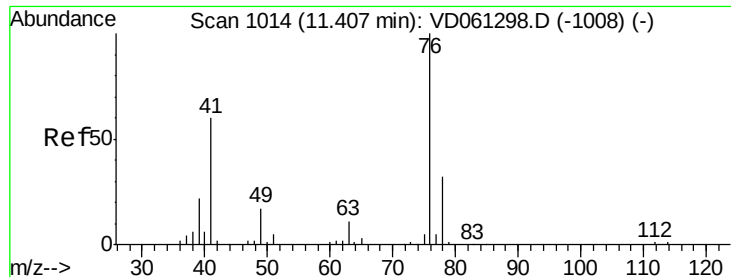
#56
 Ethyl methacrylate
 Concen: 26.591 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

Tgt Ion:	69	Resp:	118309
Ion	Ratio	Lower	Upper
69	100		
41	68.9	54.9	82.3
39	34.6	28.5	42.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

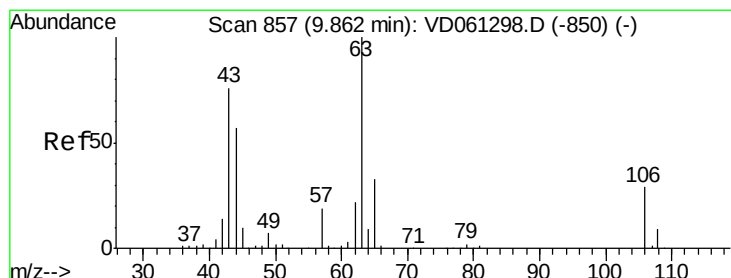
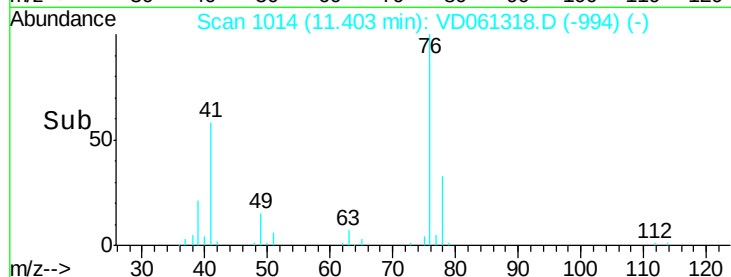
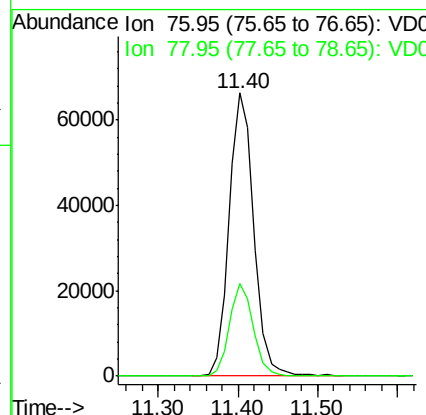
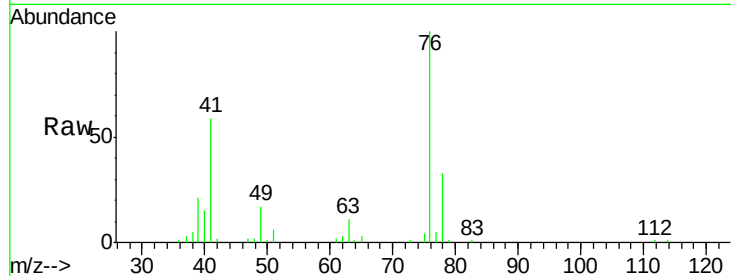




#57
 1,3-Dichloropropane
 Concen: 22.975 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

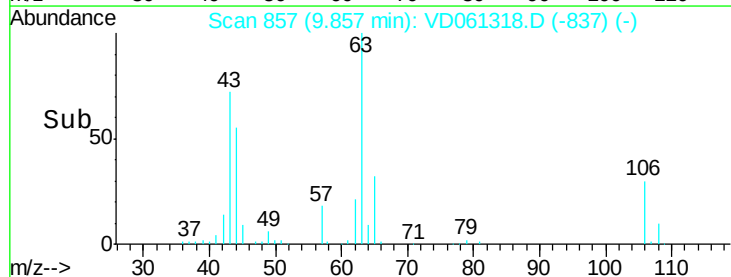
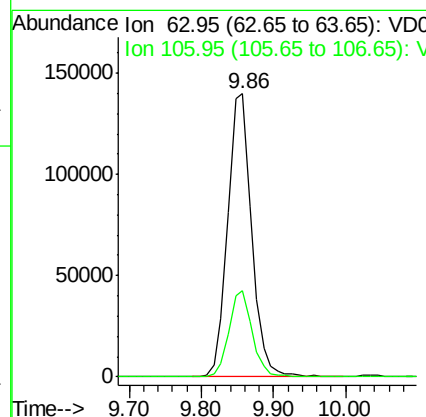
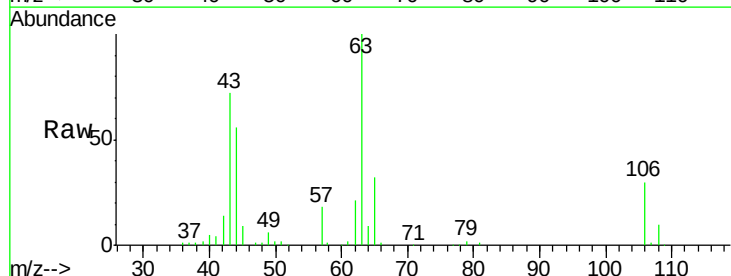
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS02

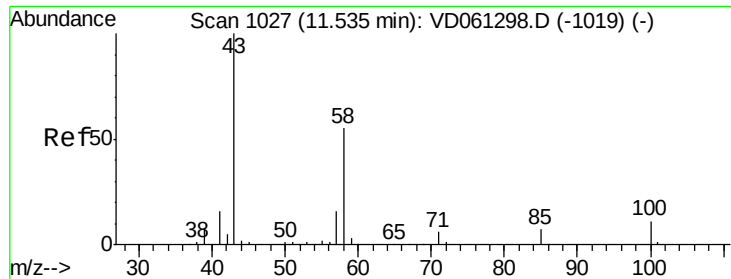
Tot Ion: 76 Resp: 144675
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 138.818 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

Tgt Ion: 63 Resp: 321313
 Ion Ratio Lower Upper
 63 100
 106 30.4 23.4 35.0

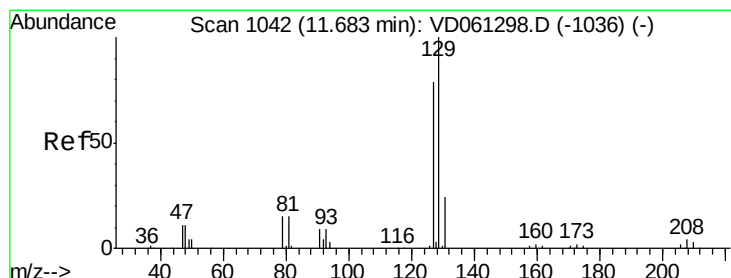
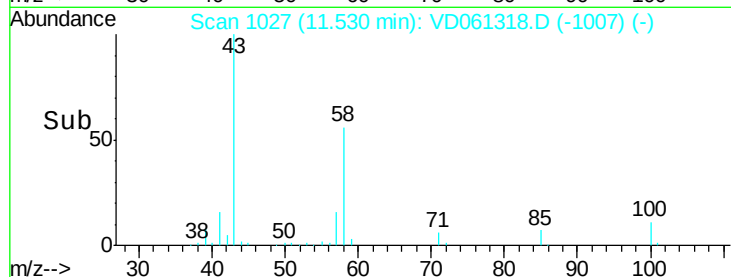
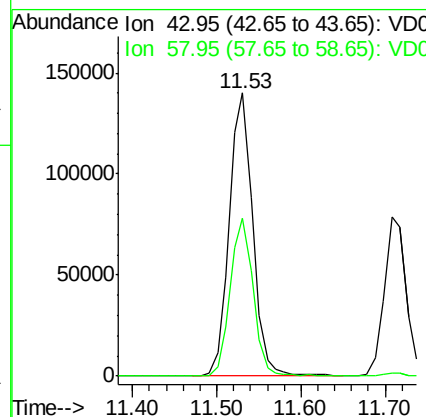
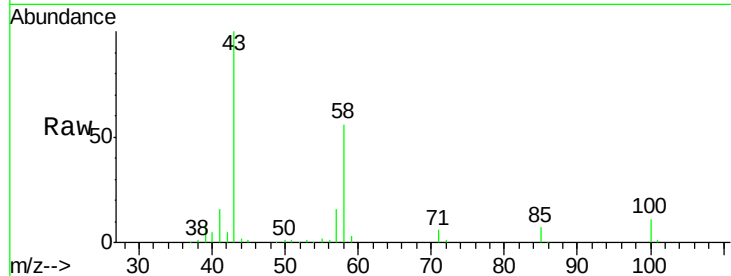




#59
2-Hexanone
Concen: 126.256 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

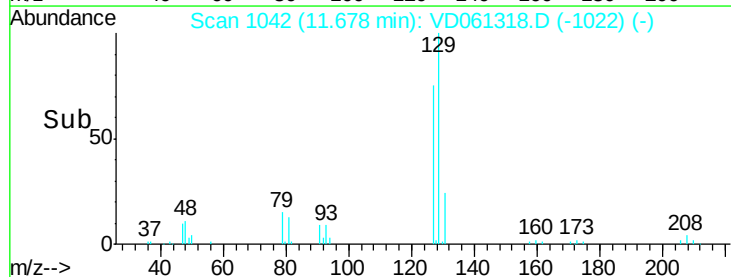
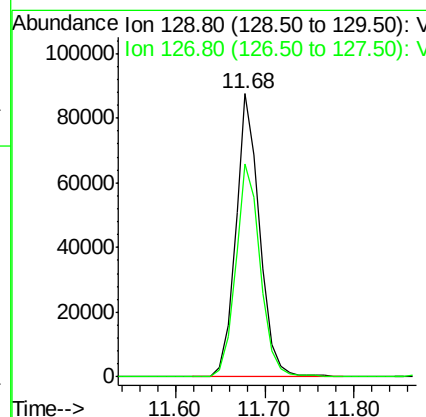
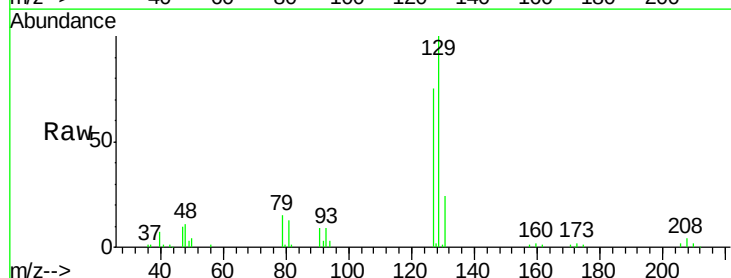
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD02

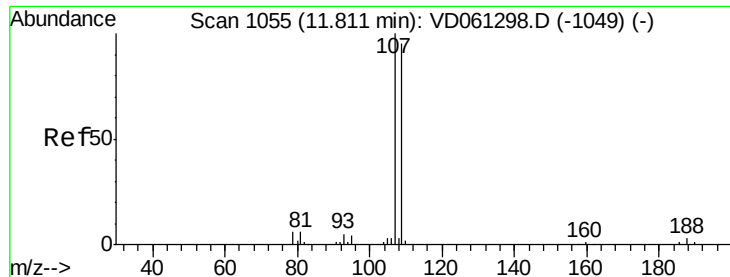
Tot Ion: 43 Resp: 271694
Ion Ratio Lower Upper
43 100
58 55.7 27.4 82.0



#60
Dibromochloromethane
Concen: 24.929 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

Tgt Ion: 129 Resp: 162793
Ion Ratio Lower Upper
129 100
127 75.4 39.6 119.0

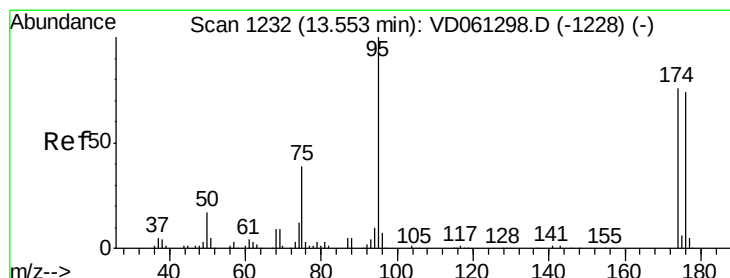
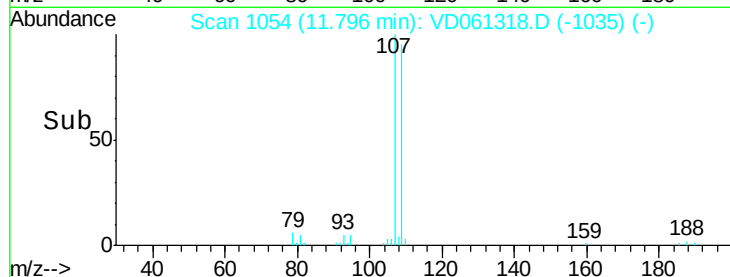
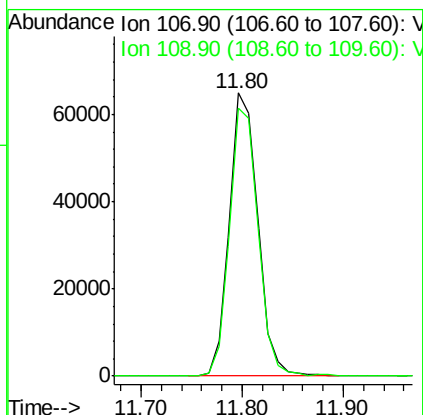
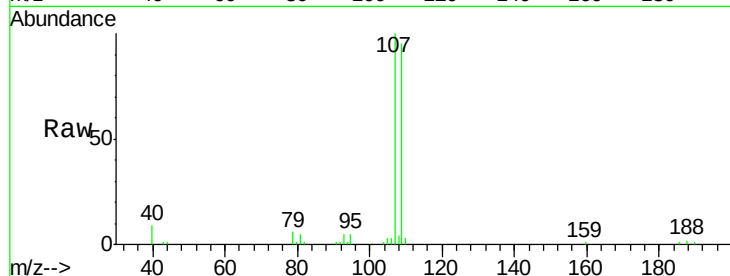




#61
 1,2-Dibromoethane
 Concen: 26.158 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

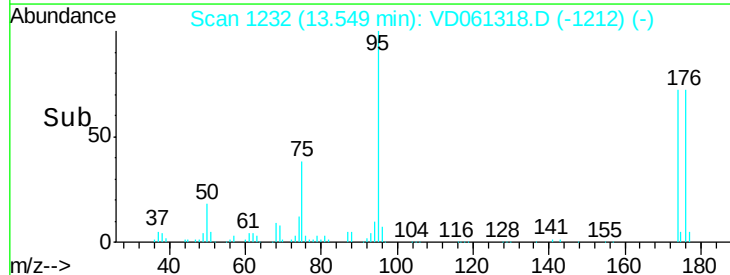
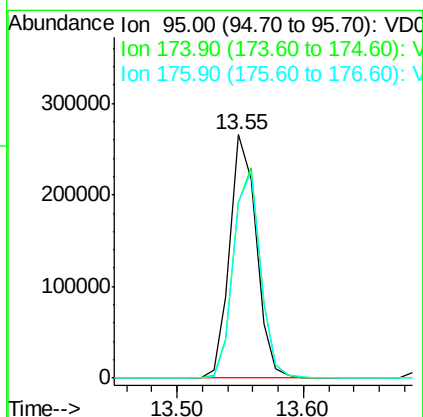
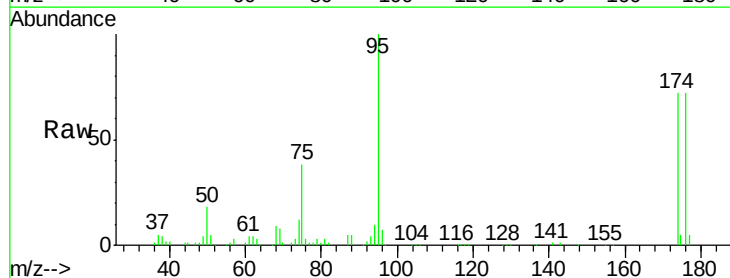
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS02

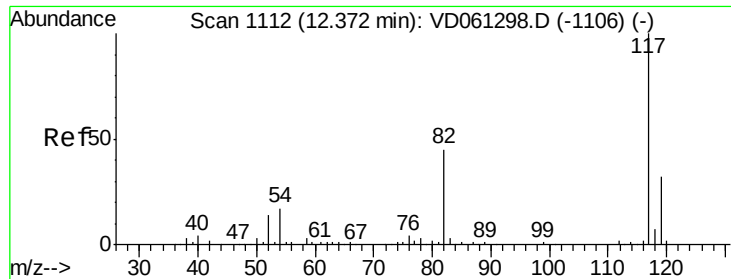
Tot Ion:107 Resp: 127434
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 26.158 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

Tgt Ion: 95 Resp: 386692
 Ion Ratio Lower Upper
 95 100
 174 72.3 0.0 151.8
 176 72.4 0.0 148.0

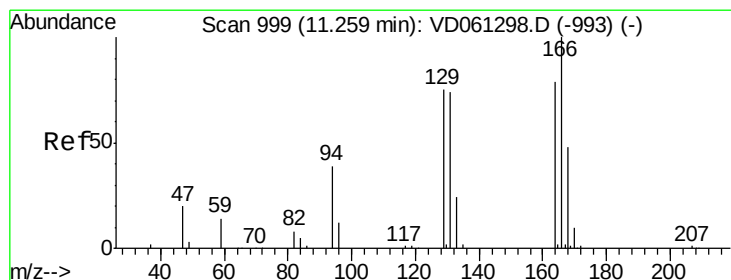
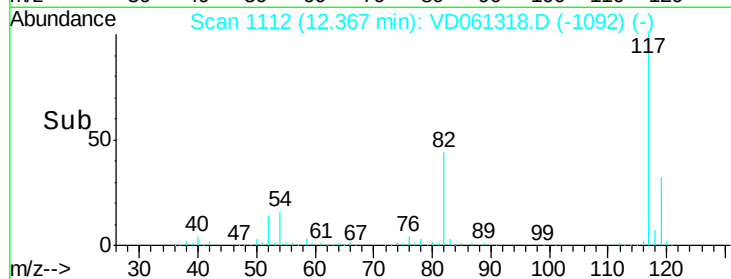
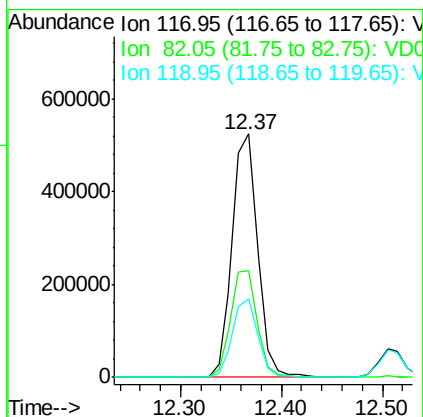
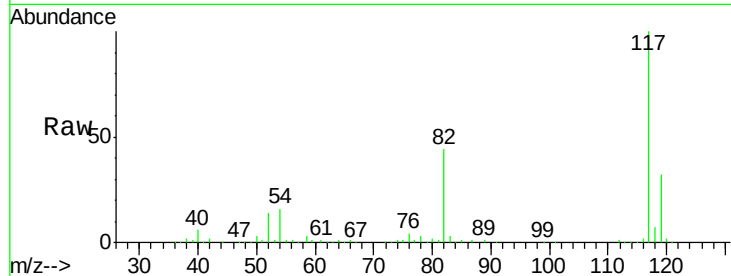




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

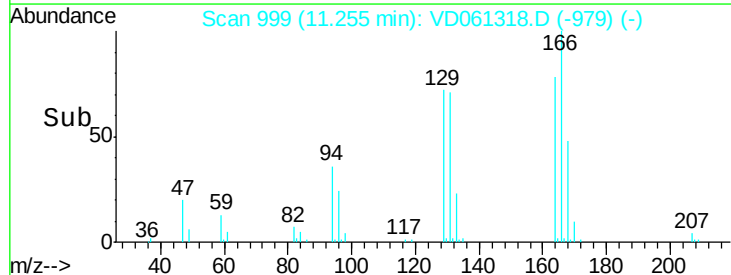
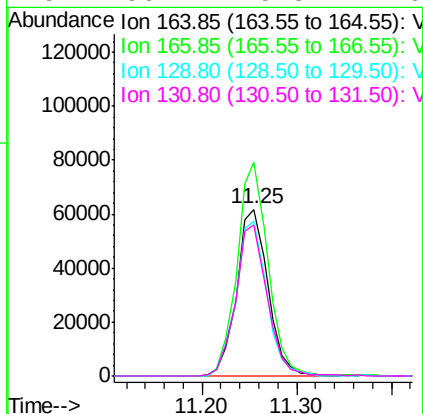
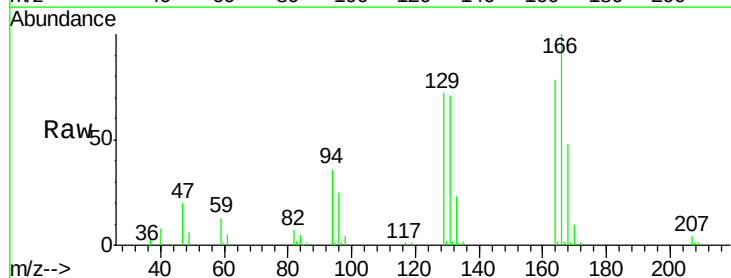
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD02

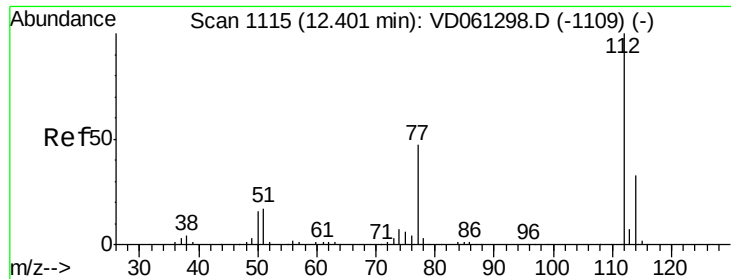
Tot Ion:117 Resp: 921986
Ion Ratio Lower Upper
117 100
82 44.0 35.7 53.5
119 32.3 25.9 38.9



#64
Tetrachloroethene
Concen: 22.215 ug/l
RT: 11.25 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

Tgt Ion:164 Resp: 141095
Ion Ratio Lower Upper
164 100
166 127.9 101.6 152.4
129 92.6 75.9 113.9
131 90.7 75.3 112.9

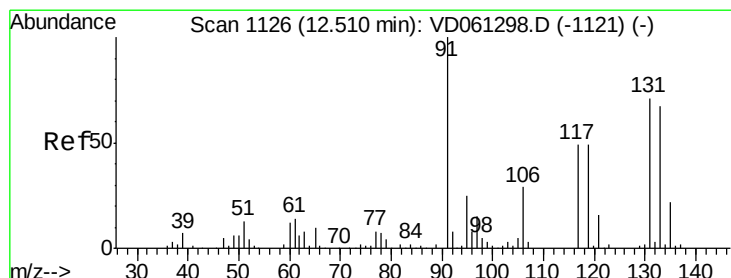
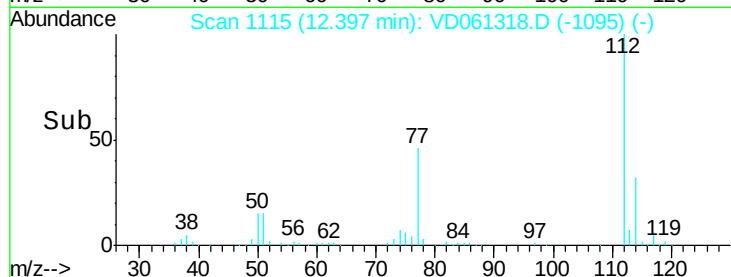
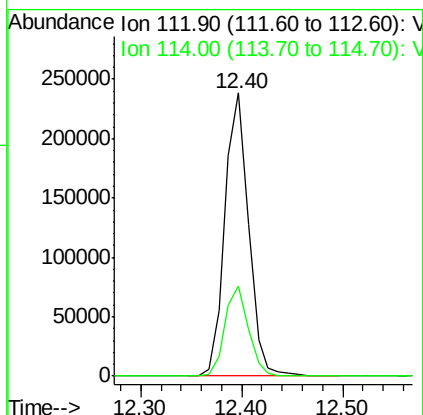
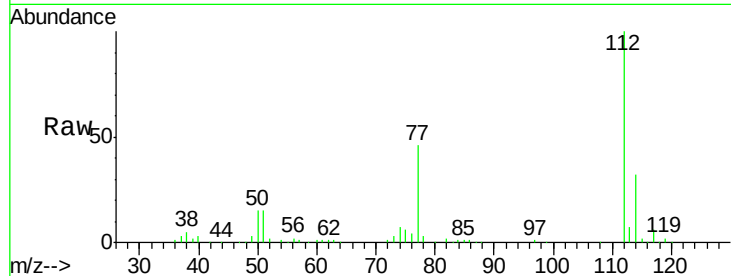




#65
Chlorobenzene
Concen: 22.913 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

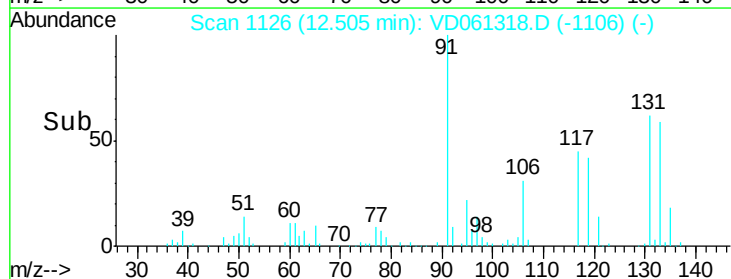
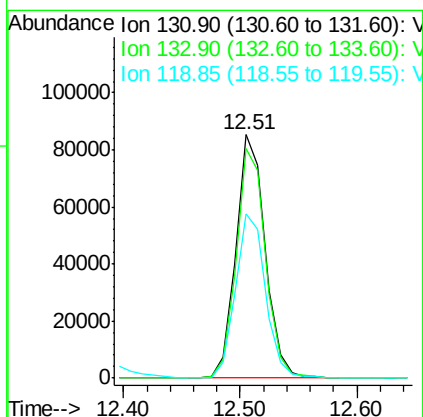
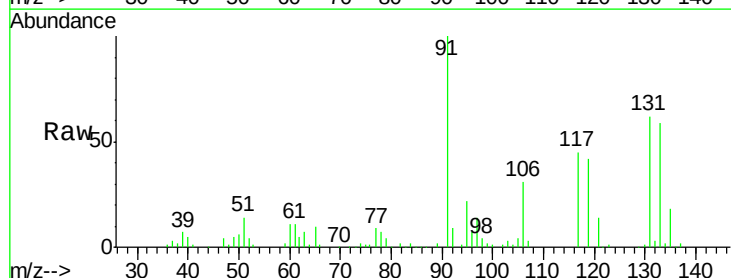
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD02

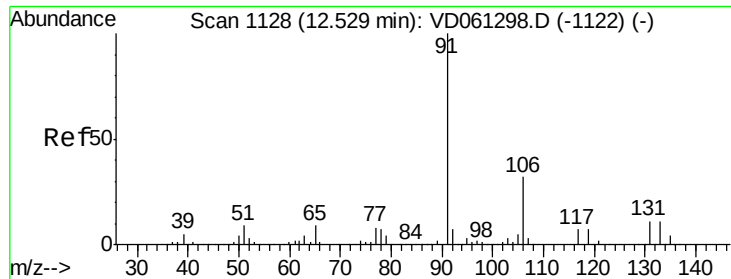
Tot Ion:112 Resp: 389119
Ion Ratio Lower Upper
112 100
114 32.0 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 22.360 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

Tgt Ion:131 Resp: 147220
Ion Ratio Lower Upper
131 100
133 94.3 47.0 141.2
119 67.4 34.8 104.5

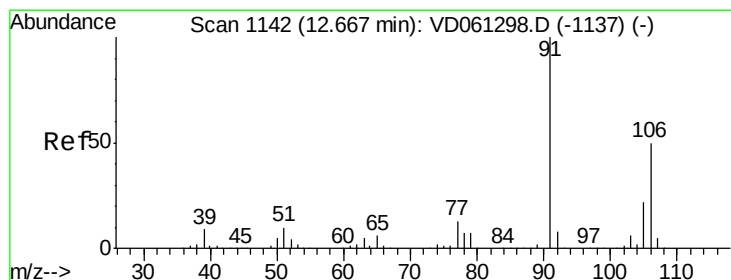
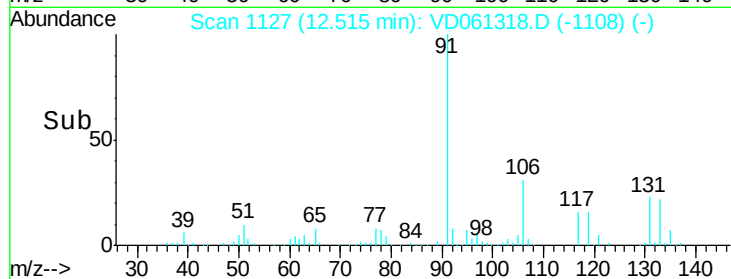
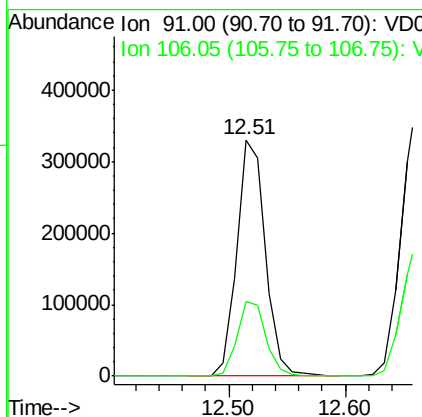
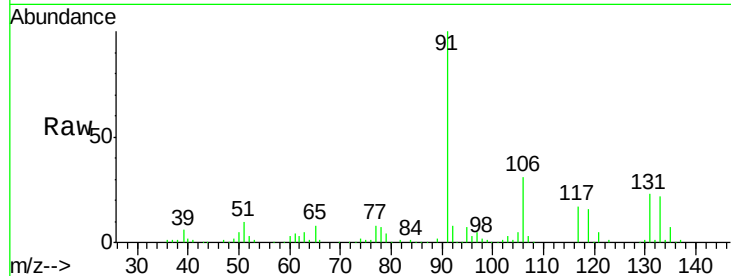




#67
Ethyl Benzene
Concen: 21.512 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

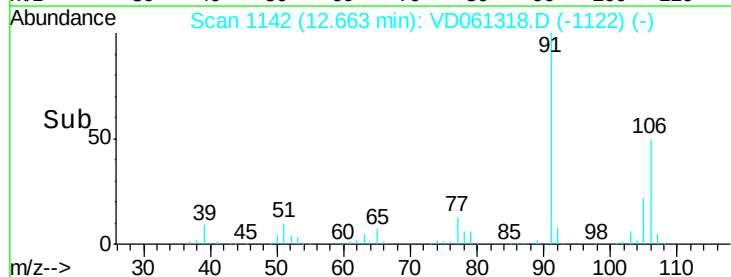
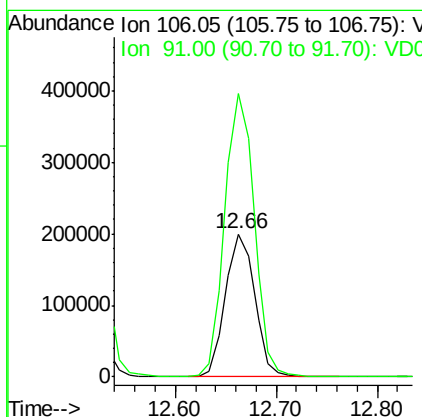
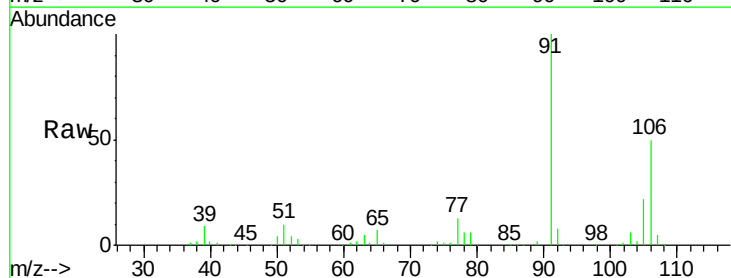
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS02

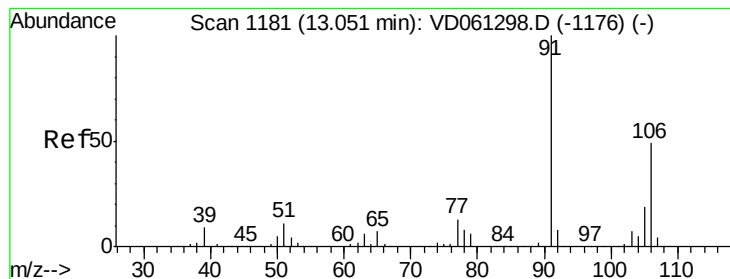
Tot Ion: 91 Resp: 559081
Ion Ratio Lower Upper
91 100
106 31.4 25.8 38.8



#68
m/p-Xylenes
Concen: 39.973 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061318.D
Acq: 26 Mar 2019 1:04

Tgt Ion: 106 Resp: 405525
Ion Ratio Lower Upper
106 100
91 198.4 159.2 238.8





#69

o-Xylene

Concen: 22.715 ug/l

RT: 13.05 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

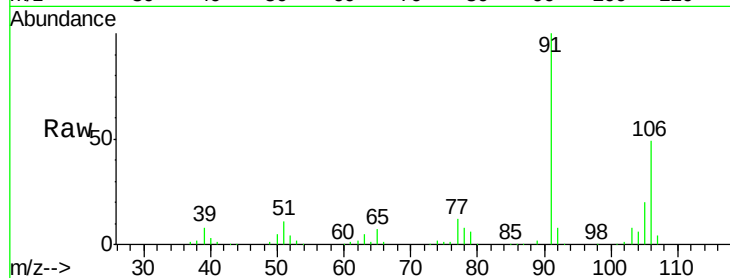
VD0325SBS02

Tot Ion:106 Resp: 213729

Ion Ratio Lower Upper

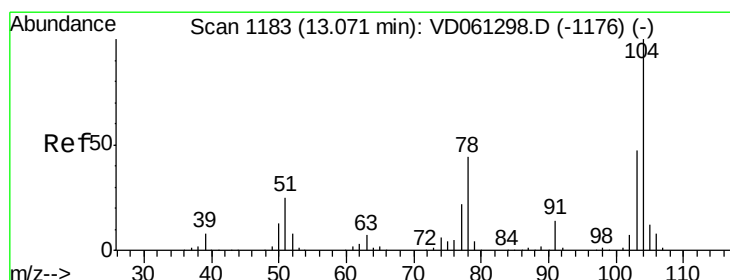
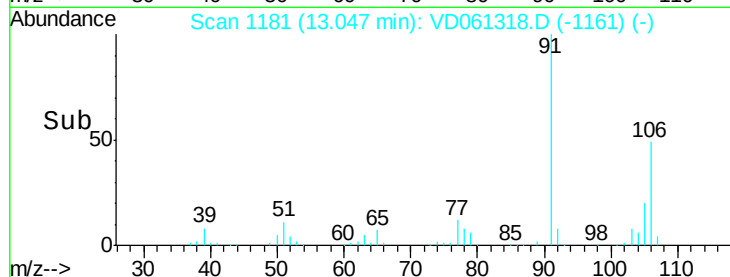
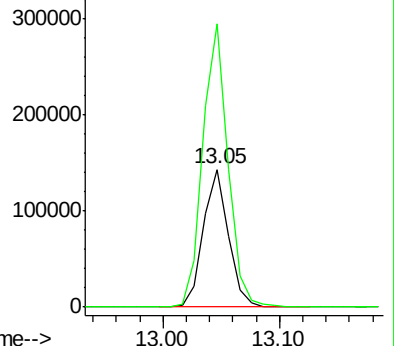
106 100

91 205.0 102.5 307.5



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 23.855 ug/l

RT: 13.07 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

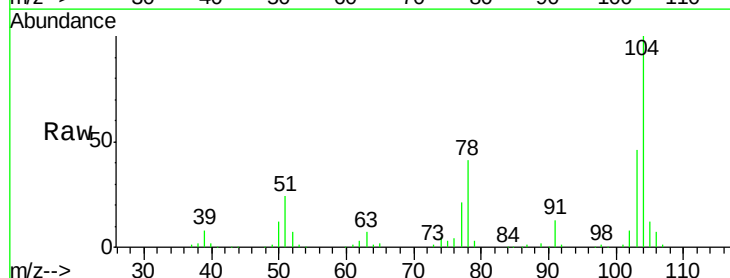
Tgt Ion:104 Resp: 380933

Ion Ratio Lower Upper

104 100

78 41.0 35.1 52.7

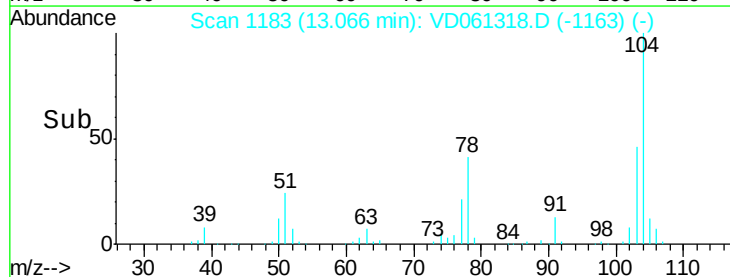
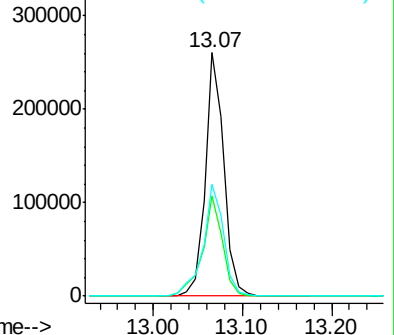
103 46.2 37.5 56.3

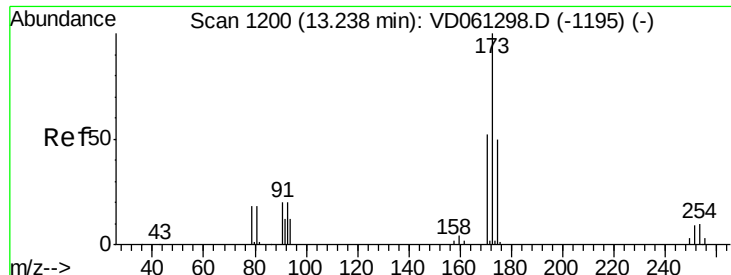


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 21.881 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBSD02

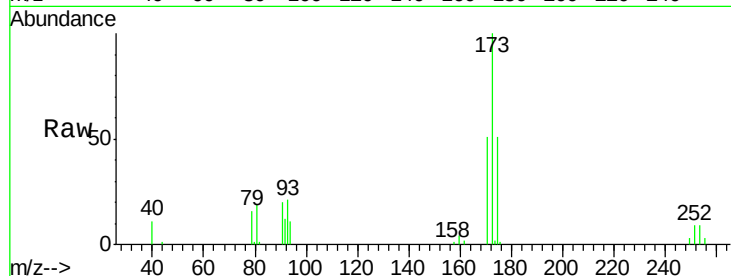
Tot Ion:173 Resp: 88160

Ion Ratio Lower Upper

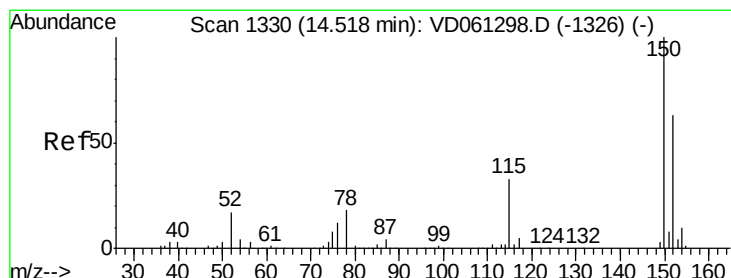
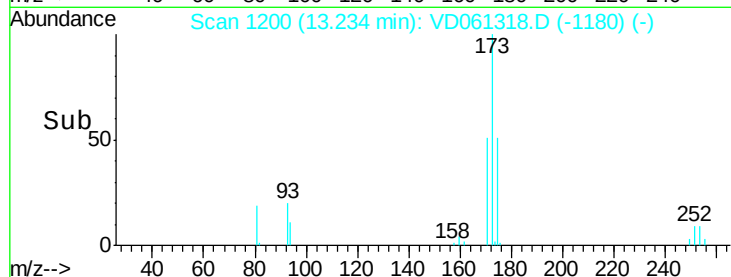
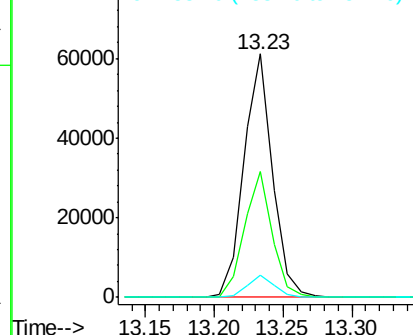
173 100

175 51.5 24.9 74.7

254 9.1 7.8 11.6



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

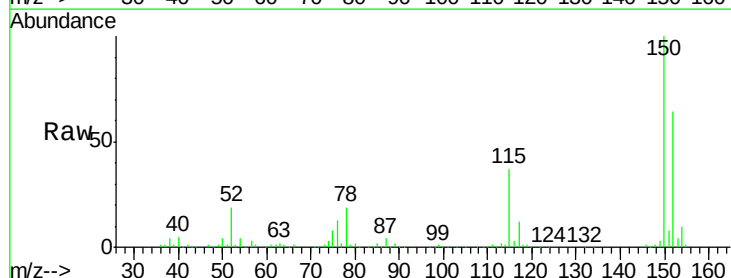
Tgt Ion:152 Resp: 396180

Ion Ratio Lower Upper

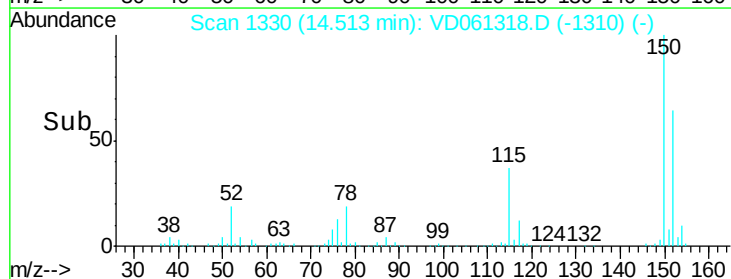
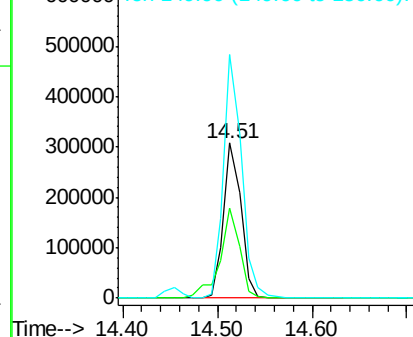
152 100

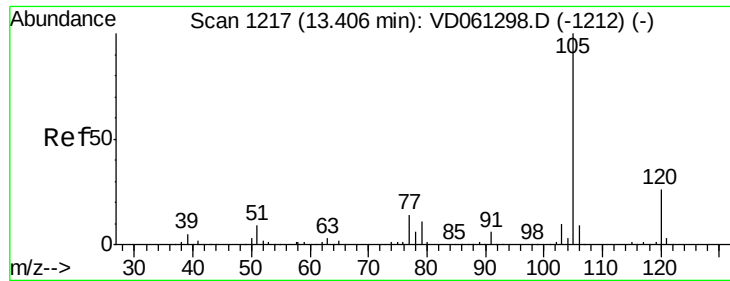
115 58.0 29.2 87.6

150 157.1 0.0 319.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.123 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

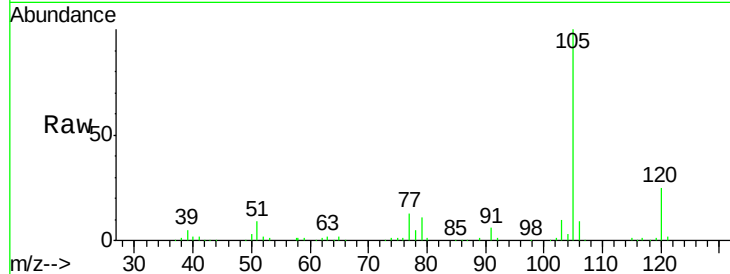
VD0325SBS02

Tot Ion:105 Resp: 570068

Ion Ratio Lower Upper

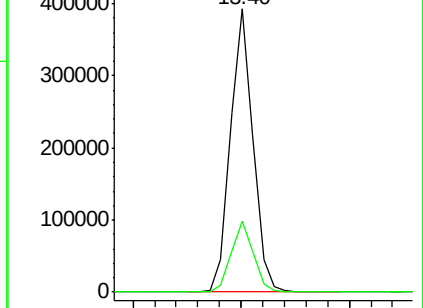
105 100

120 25.0 13.1 39.1

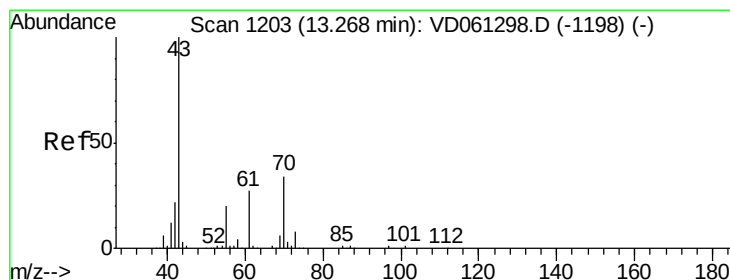
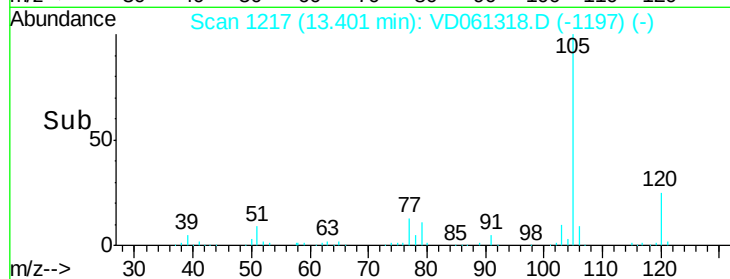


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 22.393 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Tgt Ion: 43 Resp: 150967

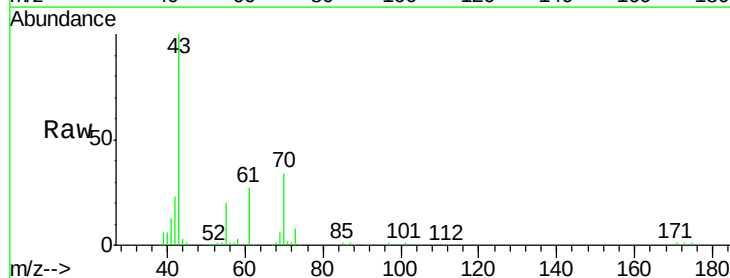
Ion Ratio Lower Upper

43 100

70 33.6 27.5 41.3

55 20.1 15.7 23.5

61 27.3 21.8 32.6

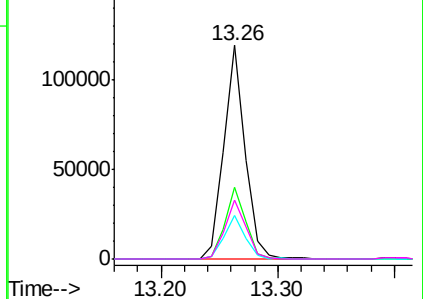


Abundance Ion 42.95 (42.65 to 43.65): V

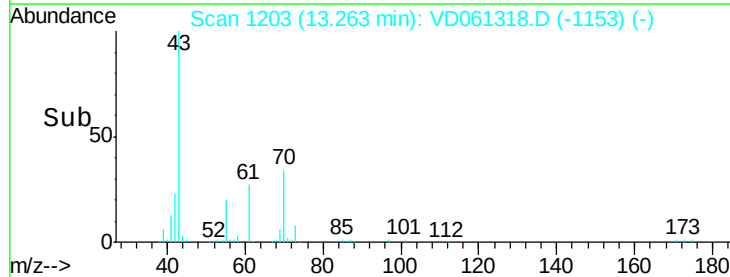
Ion 70.00 (69.70 to 70.70): V

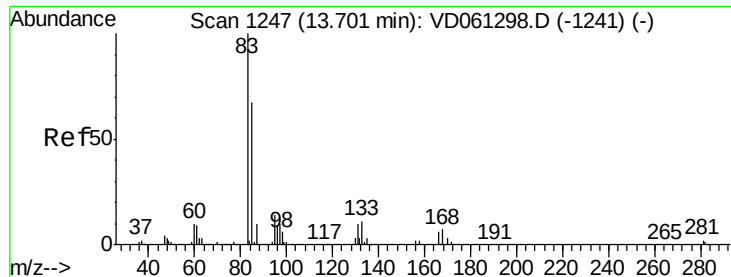
Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V



Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 24.260 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBSD02

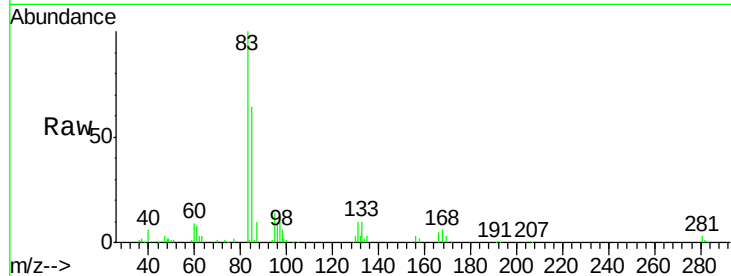
Tot Ion: 83 Resp: 121229

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

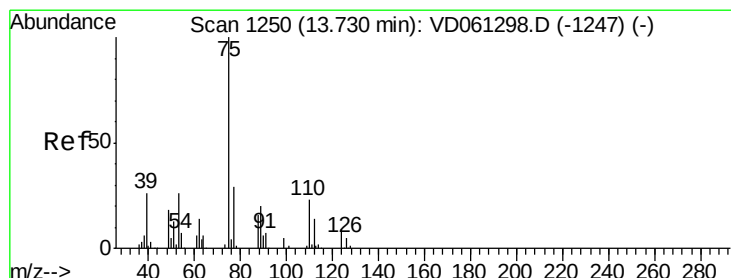
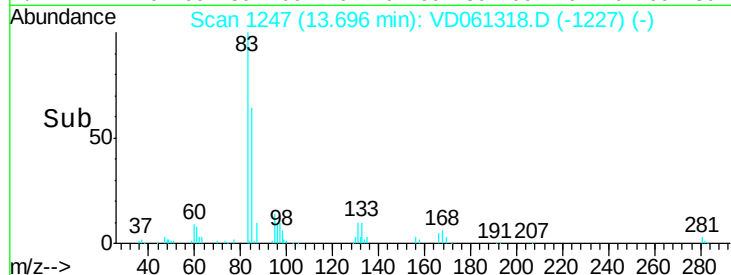
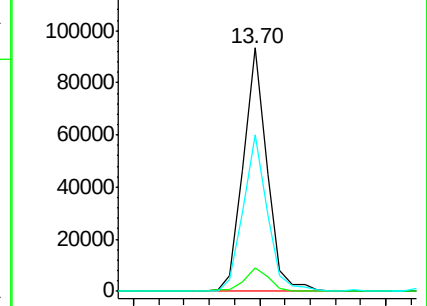
85 64.4 33.4 100.2



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: 23.069 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061318.D

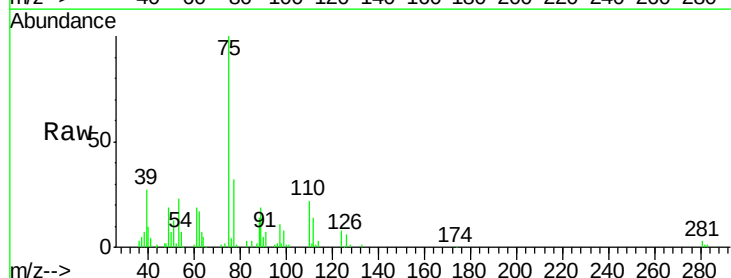
Acq: 26 Mar 2019 1:04

Tgt Ion: 75 Resp: 113658

Ion Ratio Lower Upper

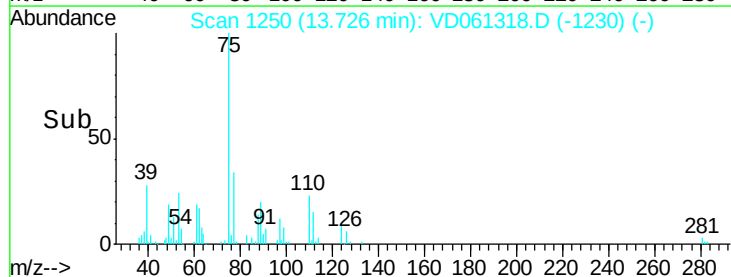
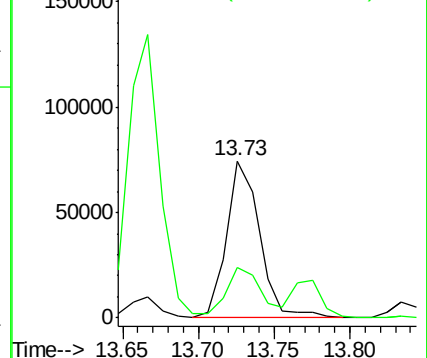
75 100

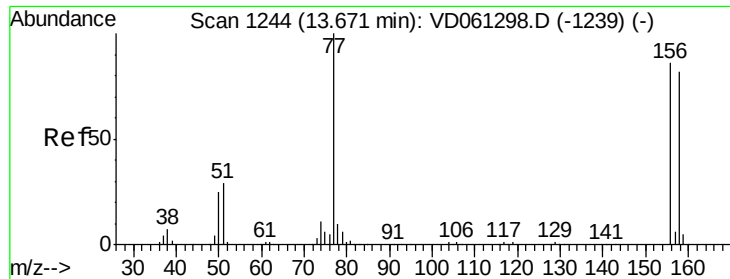
77 32.1 15.8 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.482 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBSD02

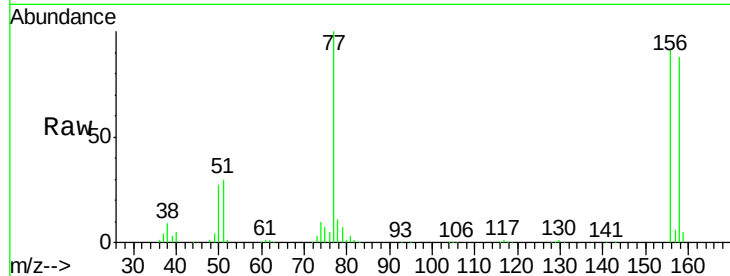
Tot Ion:156 Resp: 161826

Ion Ratio Lower Upper

156 100

77 109.9 58.4 175.1

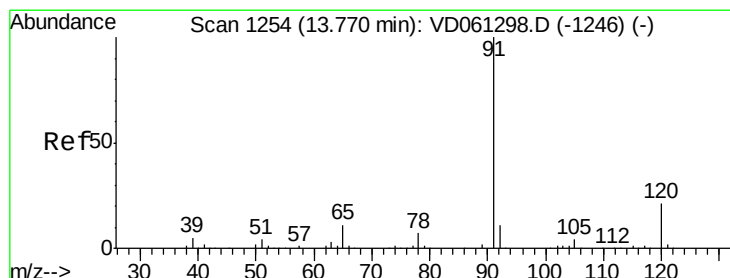
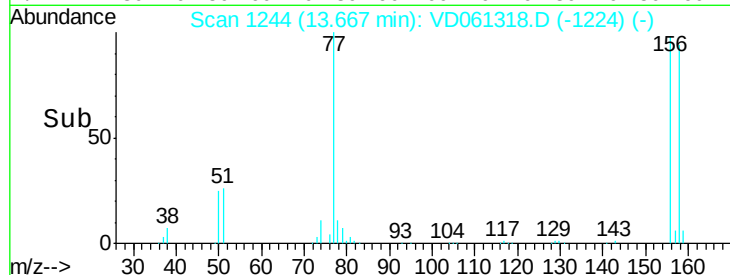
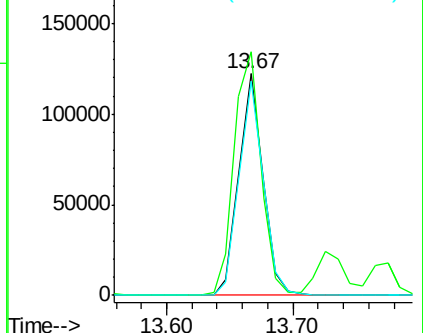
158 96.5 48.1 144.3



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: 24.658 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061318.D

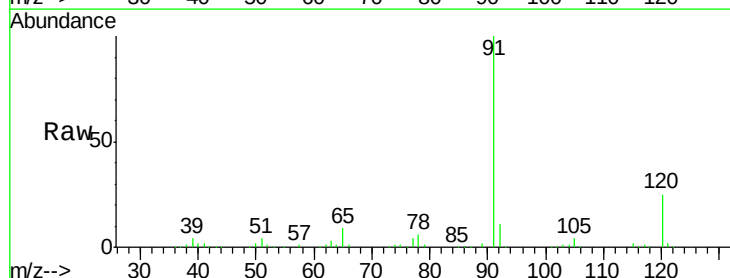
Acq: 26 Mar 2019 1:04

Tgt Ion: 91 Resp: 716851

Ion Ratio Lower Upper

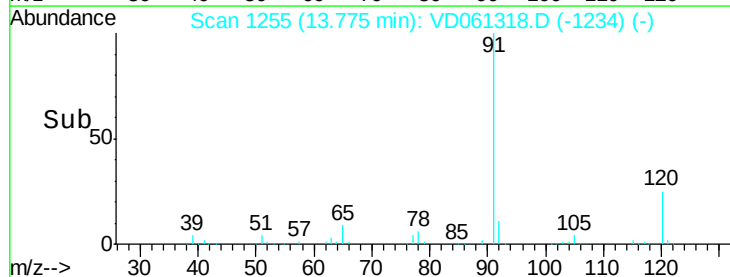
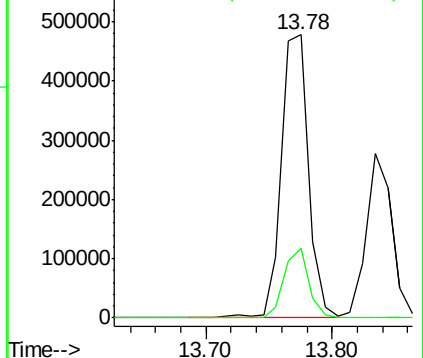
91 100

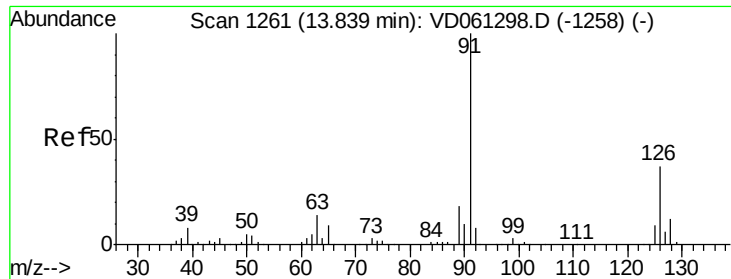
120 24.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.838 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

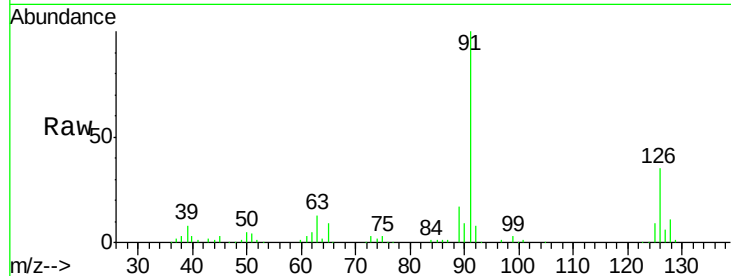
VD0325SBSD02

Tot Ion: 91 Resp: 386573

Ion Ratio Lower Upper

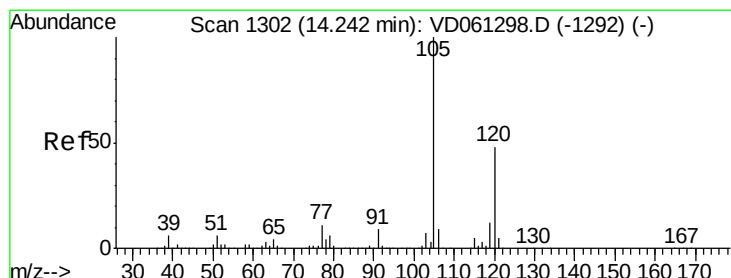
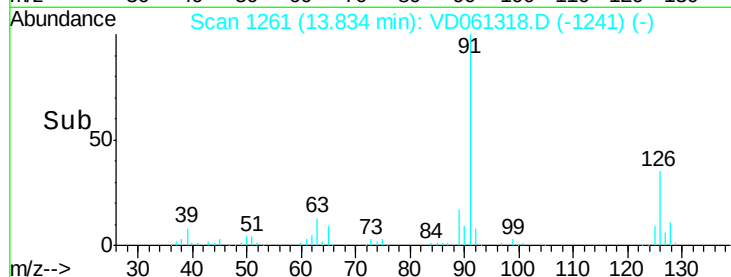
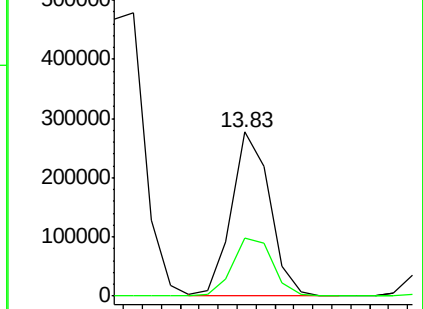
91 100

126 35.4 18.4 55.4



Abundance Ion 91.00 (90.70 to 91.70): VD061298.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061298.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 24.606 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD061318.D

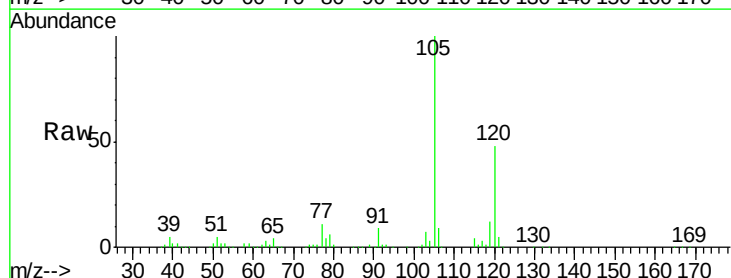
Acq: 26 Mar 2019 1:04

Tgt Ion: 105 Resp: 500198

Ion Ratio Lower Upper

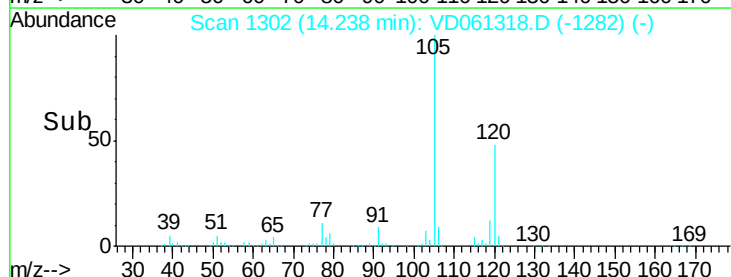
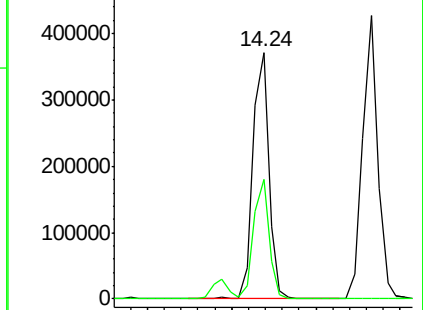
105 100

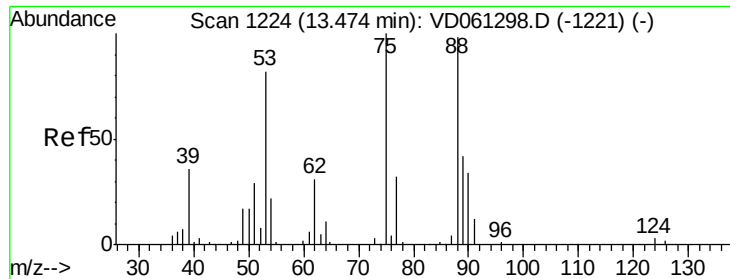
120 48.4 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): VD061298.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD061298.D (-1292) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 24.671 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBSD02

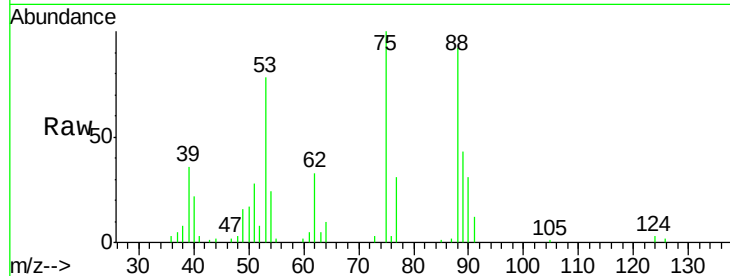
Tot Ion: 75 Resp: 38361

Ion Ratio Lower Upper

75 100

53 78.3 65.3 97.9

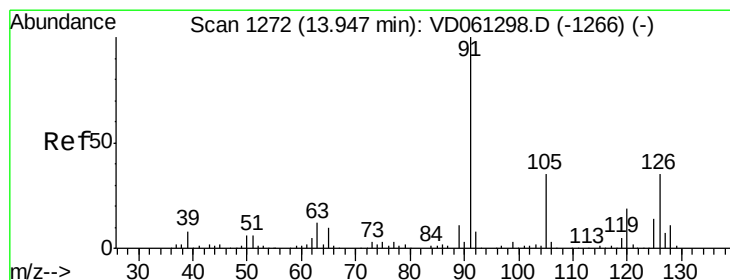
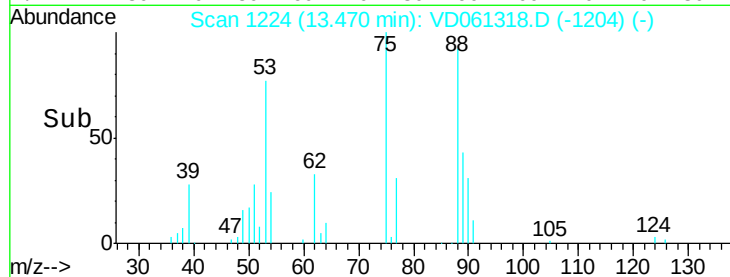
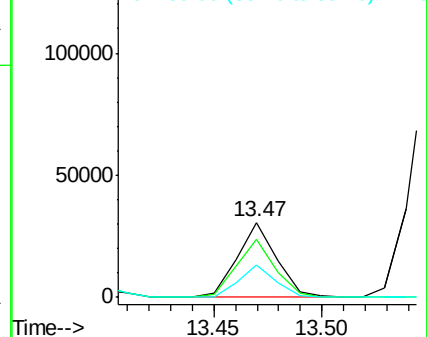
89 42.9 33.8 50.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 24.247 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD061318.D

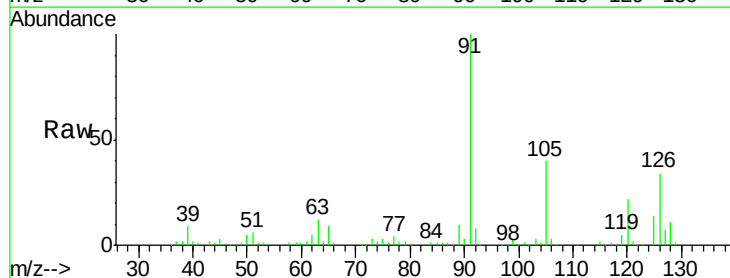
Acq: 26 Mar 2019 1:04

Tgt Ion: 91 Resp: 448686

Ion Ratio Lower Upper

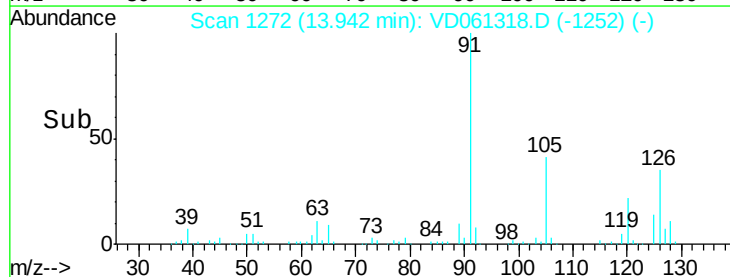
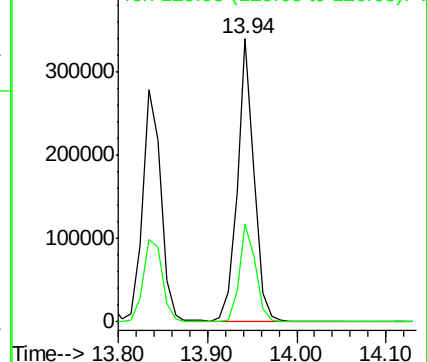
91 100

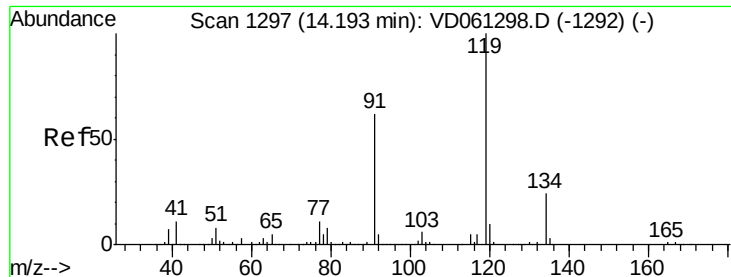
126 34.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

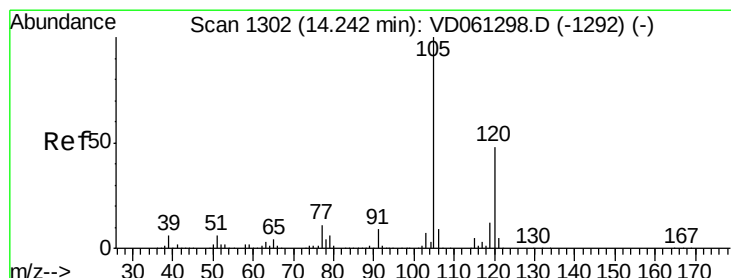
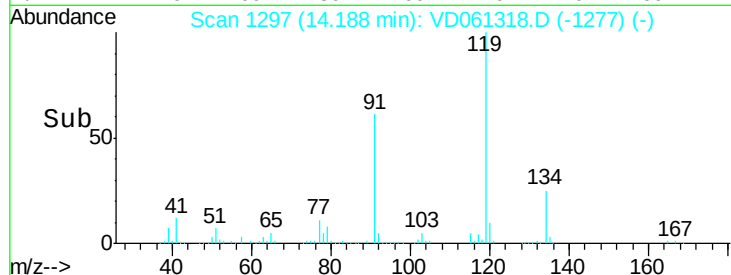
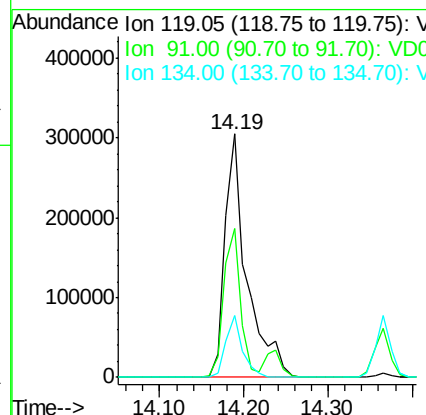
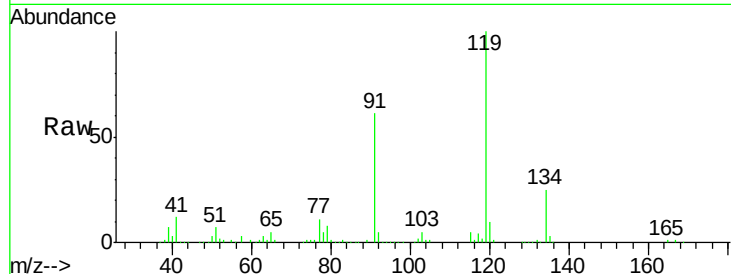




#83
 tert-Butylbenzene
 Concen: 23.892 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

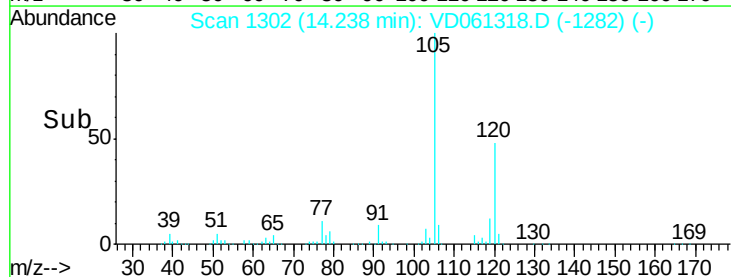
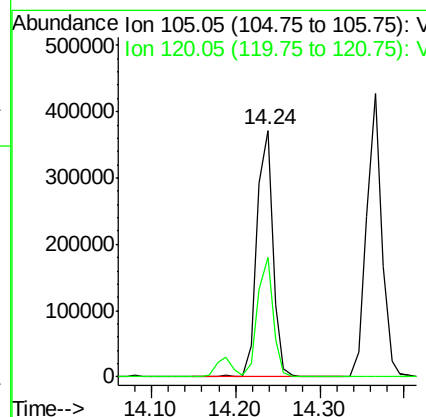
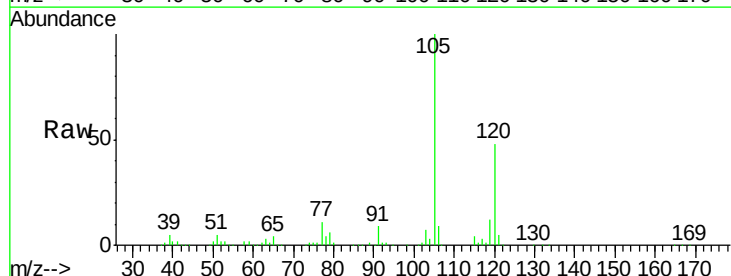
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBSD02

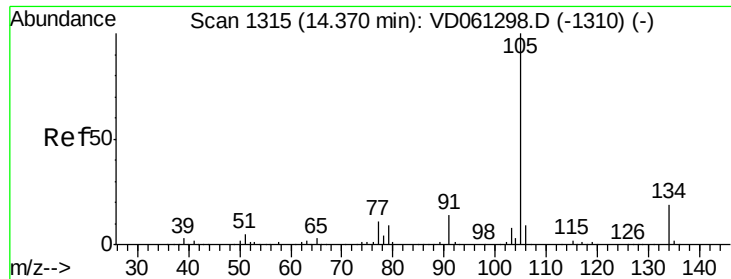
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	31.1	93.5
134	25.2	11.9	35.7



#84
 1,2,4-Trimethylbenzene
 Concen: 24.606 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.8	71.4

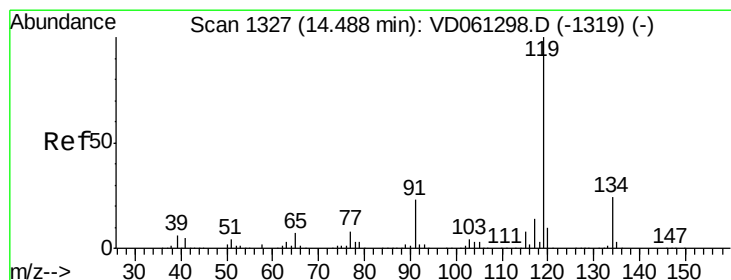
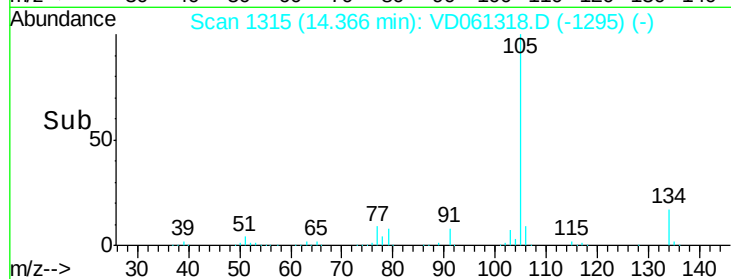
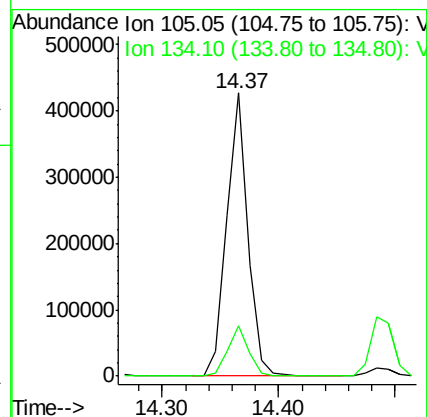
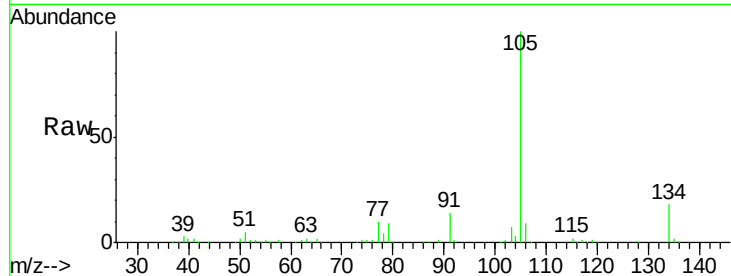




#85
 sec-Butylbenzene
 Concen: 20.744 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

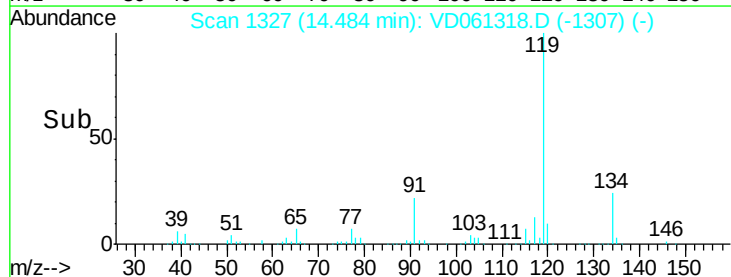
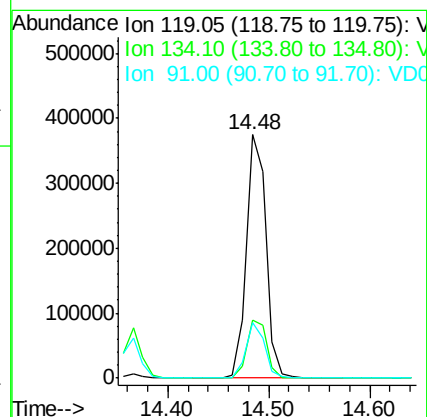
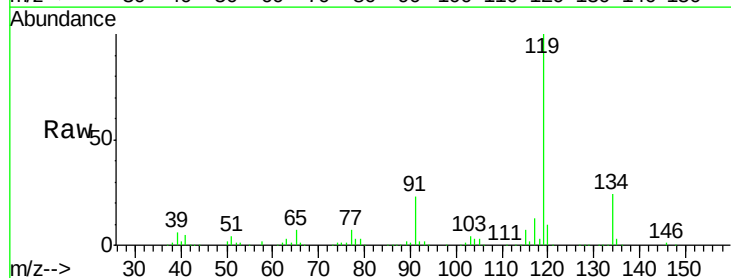
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBSD02

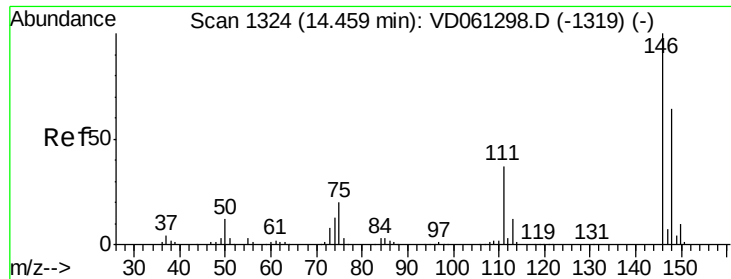
Tot Ion:105 Resp: 536203
 Ion Ratio Lower Upper
 105 100
 134 18.0 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 21.881 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

Tgt Ion:119 Resp: 504589
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.1 36.3
 91 22.6 11.4 34.2

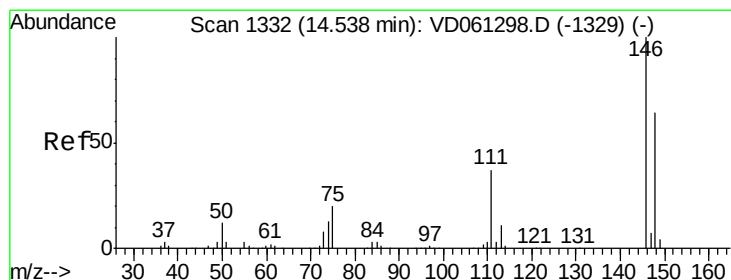
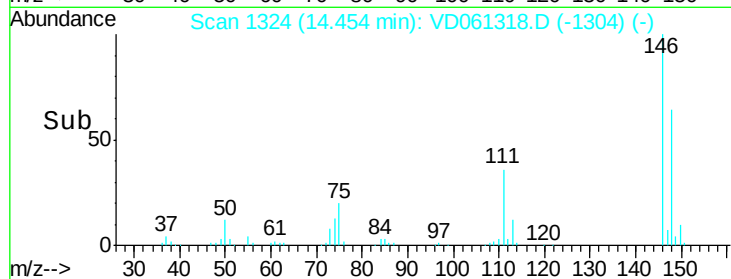
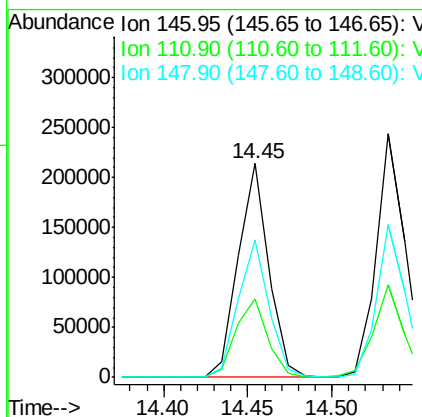
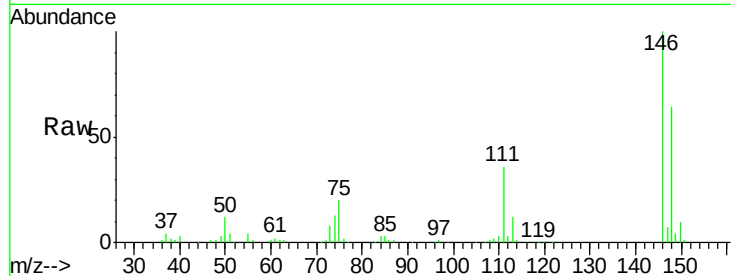




#87
 1,3-Dichlorobenzene
 Concen: 21.139 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

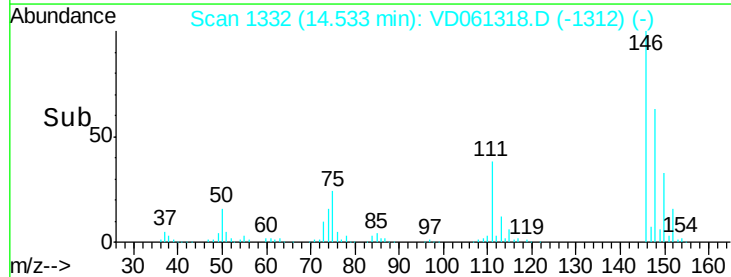
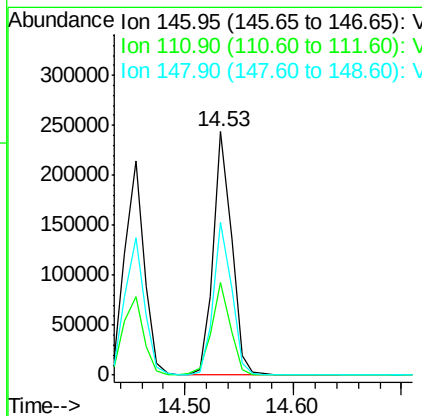
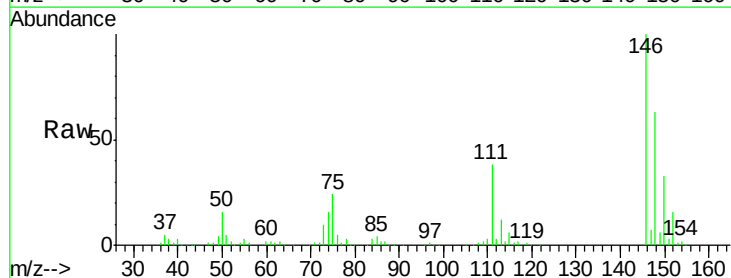
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS02

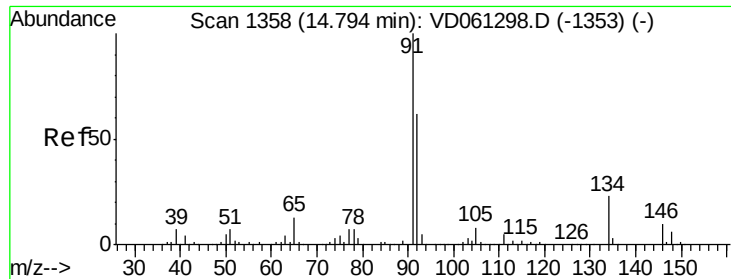
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.4	55.0
148	64.1	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 23.438 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.6
148	62.7	31.9	95.5





#89

n-Butylbenzene

Concen: 21.940 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS02

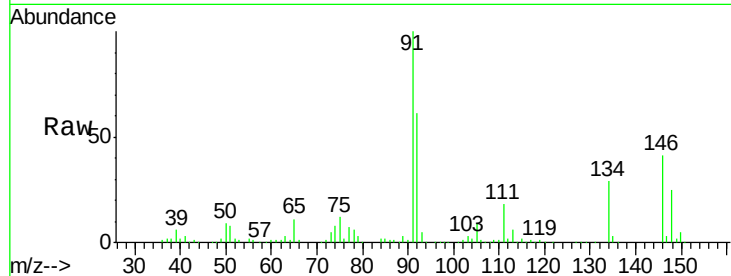
Tot Ion: 91 Resp: 449206

Ion Ratio Lower Upper

91 100

92 60.9 30.9 92.7

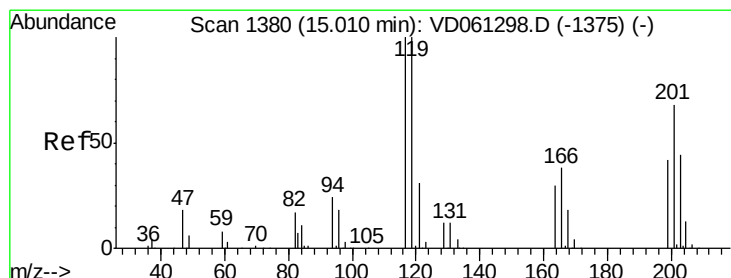
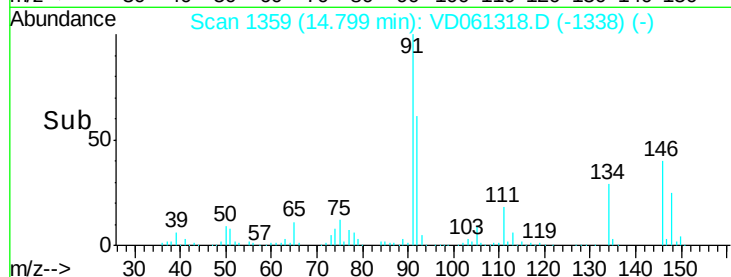
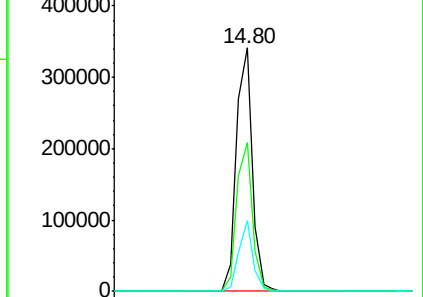
134 29.1 11.7 35.0



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): VDC



#90

Hexachloroethane

Concen: 20.864 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD061318.D

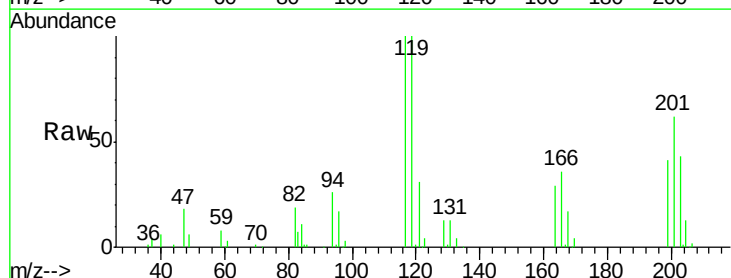
Acq: 26 Mar 2019 1:04

Tgt Ion: 117 Resp: 129005

Ion Ratio Lower Upper

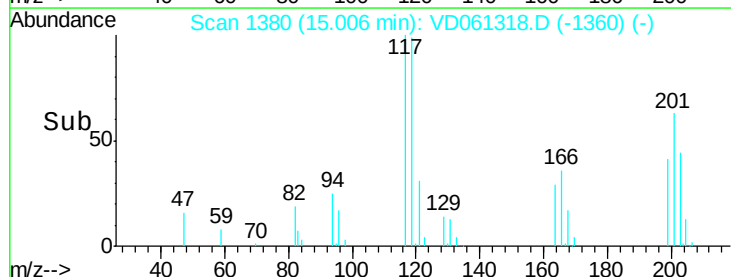
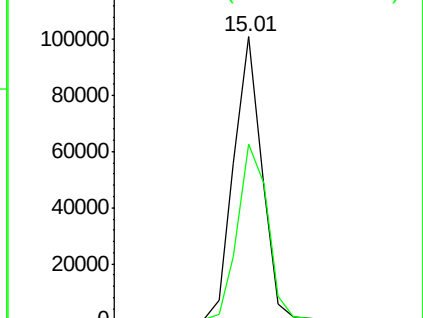
117 100

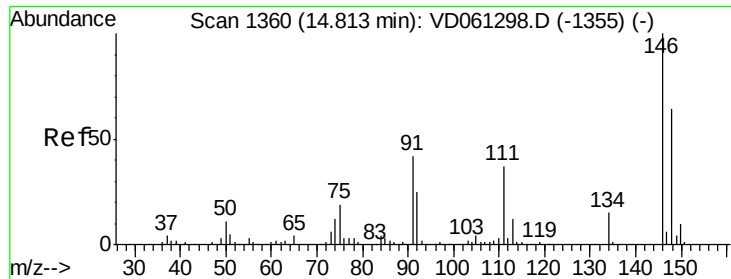
201 62.1 34.0 101.8



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

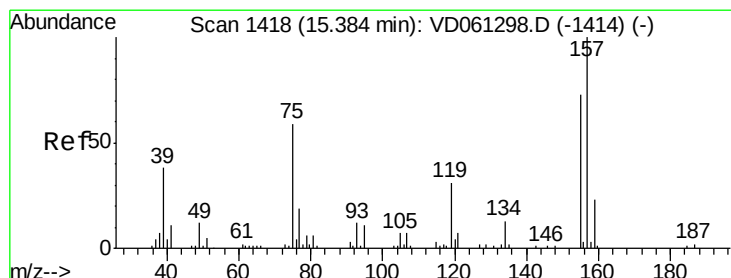
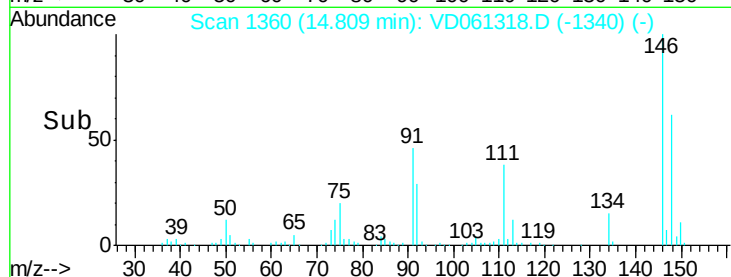
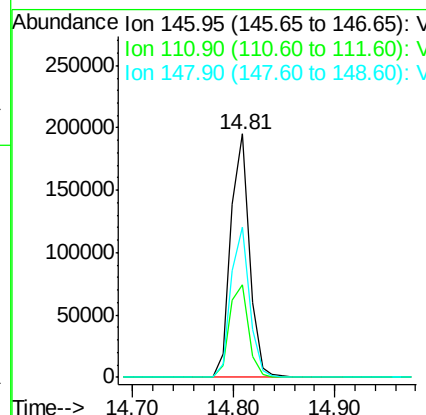
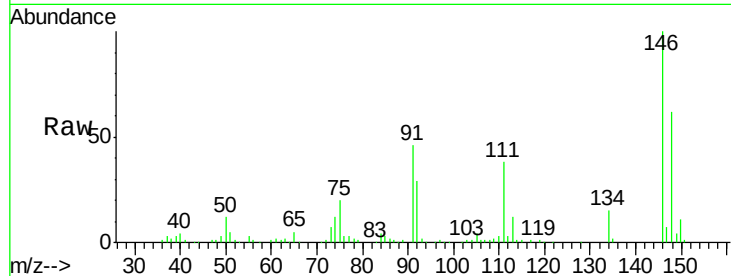




#91
 1,2-Dichlorobenzene
 Concen: 24.711 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

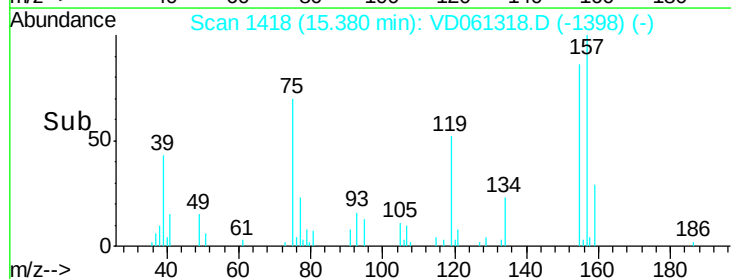
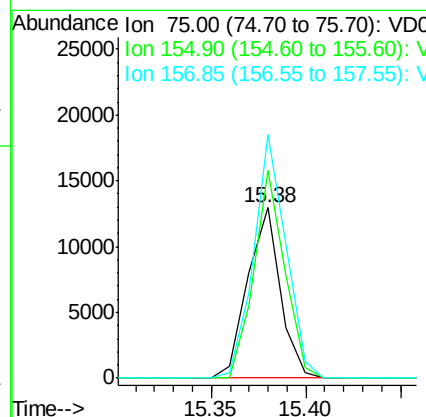
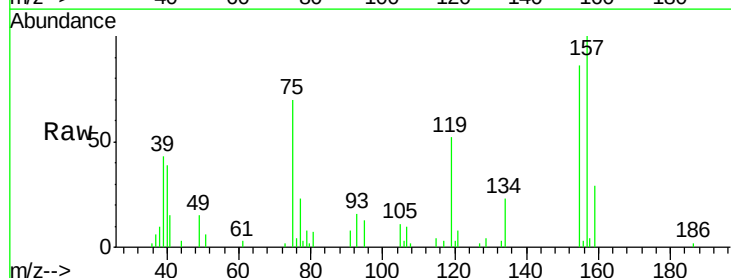
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBSD02

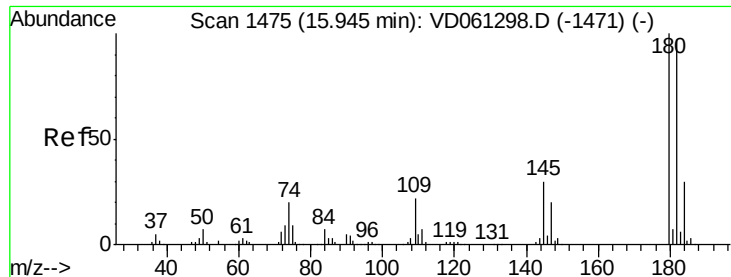
Tot Ion:146 Resp: 251565
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.3 54.8
 148 61.6 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.704 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

Tgt Ion: 75 Resp: 15426
 Ion Ratio Lower Upper
 75 100
 155 122.1 61.9 185.7
 157 142.8 84.4 253.2

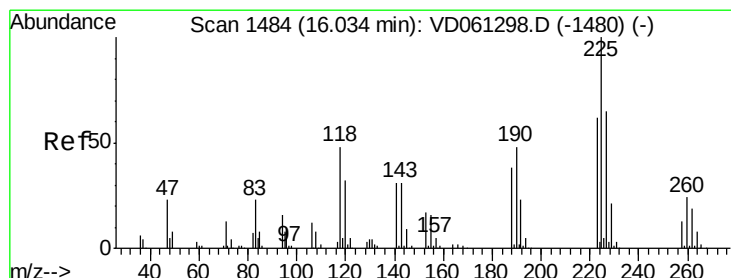
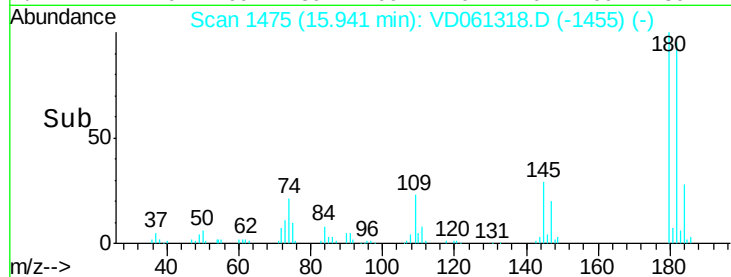
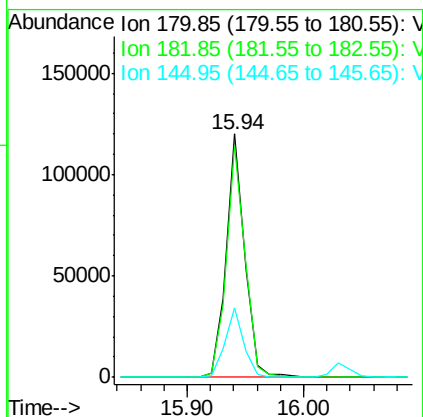
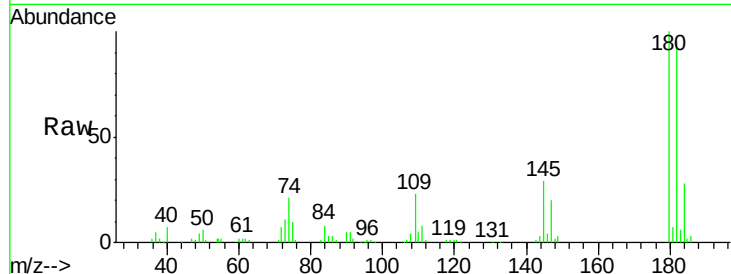




#93
 1,2,4-Trichlorobenzene
 Concen: 28.238 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

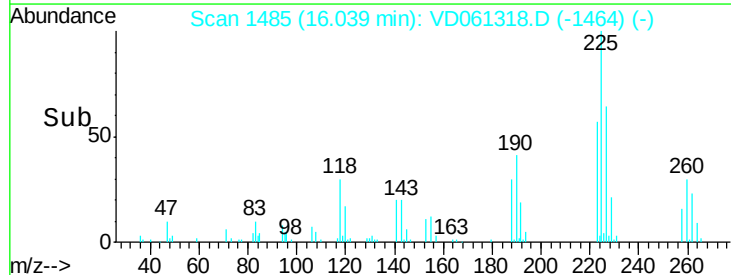
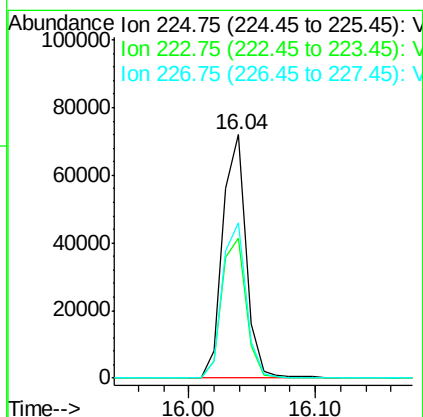
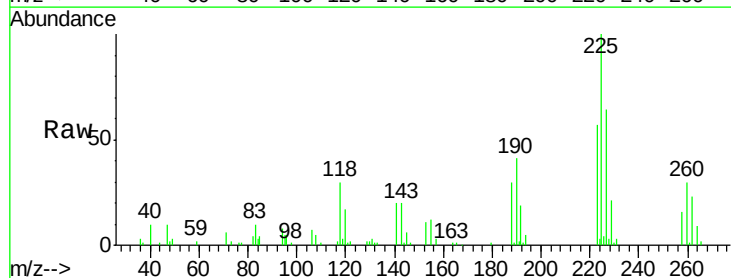
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBSD02

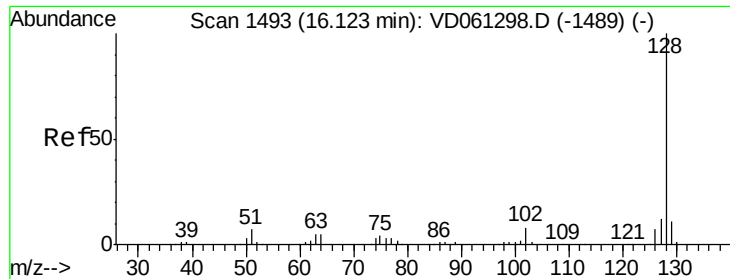
Tot Ion:180 Resp: 132765
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.3 144.9
 145 28.6 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 24.434 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061318.D
 Acq: 26 Mar 2019 1:04

Tgt Ion:225 Resp: 92566
 Ion Ratio Lower Upper
 225 100
 223 57.4 30.9 92.8
 227 63.6 32.6 97.7





#95

Naphthalene

Concen: 30.160 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBSD02

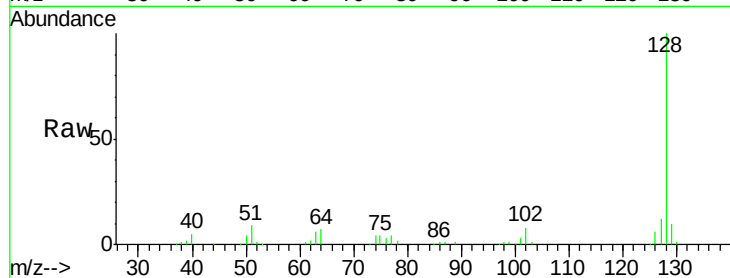
Tot Ion:128 Resp: 206904

Ion Ratio Lower Upper

128 100

127 11.8 9.8 14.6

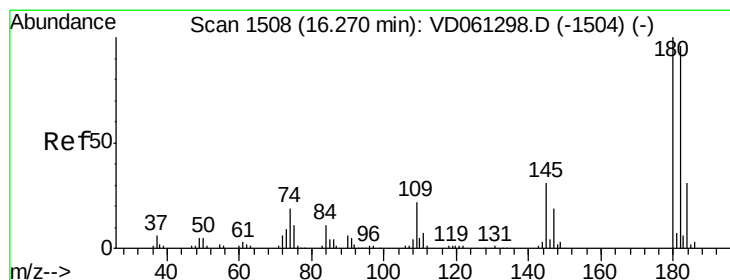
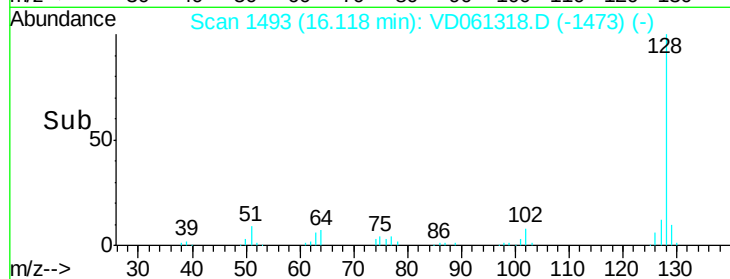
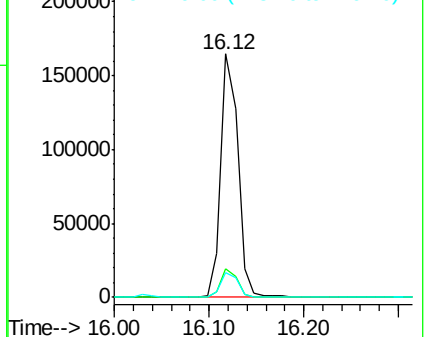
129 10.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 33.761 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD061318.D

Acq: 26 Mar 2019 1:04

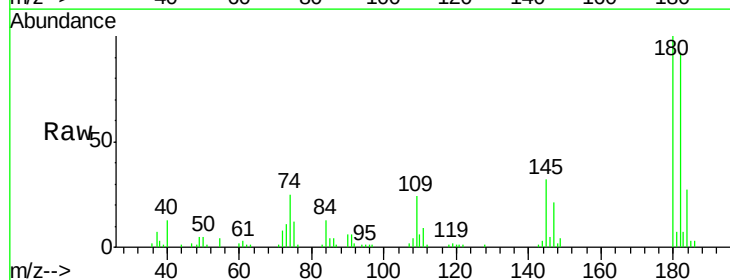
Tgt Ion:180 Resp: 74138

Ion Ratio Lower Upper

180 100

182 92.1 48.0 144.2

145 31.6 15.4 46.4



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

