

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061649.D
 Acq On : 8 Apr 2019 14:20
 Operator : VA/AP
 Sample : VD0408SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

Quant Time: Apr 09 01:15:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	666814	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1047954	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	926797	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	436502	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	248876	49.24	ug/l	0.01
Spiked Amount			Recovery	=	98.48%	
35) Dibromofluoromethane	6.93	113	350899	48.33	ug/l	0.01
Spiked Amount			Recovery	=	96.66%	
50) Toluene-d8	10.42	98	831751	45.60	ug/l	0.01
Spiked Amount			Recovery	=	91.20%	
62) 4-Bromofluorobenzene	13.57	95	307148	47.38	ug/l	0.01
Spiked Amount			Recovery	=	94.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	107951	15.006	ug/l	93
3) Chloromethane	1.77	50	92921	15.984	ug/l	98
4) Vinyl Chloride	1.84	62	89042	16.392	ug/l	93
5) Bromomethane	2.15	94	15287	12.158	ug/l	96
6) Chloroethane	2.26	64	24308	14.287	ug/l	91
7) Trichlorofluoromethane	2.52	101	116391	14.191	ug/l	99
8) Diethyl Ether	2.88	74	38780	16.847	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.15	101	132427	16.423	ug/l	98
10) Methyl Iodide	3.31	142	131017	13.753	ug/l	97
11) Tert butyl alcohol	4.07	59	31921	94.234	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	115994	16.686	ug/l	97
13) Acrolein	3.04	56	40580	98.257	ug/l	88
14) Allyl chloride	3.63	41	150127	15.834	ug/l	99
15) Acrylonitrile	4.20	53	88340	75.759	ug/l	91
16) Acetone	3.23	43	113668	75.230	ug/l	99
17) Carbon Disulfide	3.38	76	356326	15.775	ug/l	99
18) Methyl Acetate	3.64	43	46139	16.231	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	195425	16.236	ug/l	98
20) Methylene Chloride	3.82	84	156747	18.282	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	114163	15.121	ug/l	94
22) Diisopropyl ether	5.12	45	331727	16.688	ug/l	93
23) Vinyl Acetate	5.06	43	892347	81.356	ug/l	100
24) 1,1-Dichloroethane	4.99	63	189803	15.582	ug/l	99
25) 2-Butanone	6.08	43	147387	84.615	ug/l	96
26) 2,2-Dichloropropane	6.03	77	169335	17.072	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	133616	16.589	ug/l	98
28) Bromochloromethane	6.45	49	76795	17.090	ug/l	99
29) Tetrahydrofuran	6.46	42	71738	85.316	ug/l	99
30) Chloroform	6.68	83	199871	15.663	ug/l	98
31) Cyclohexane	6.97	56	148164	15.570	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	178188	15.934	ug/l	96
36) 1,1-Dichloropropene	7.16	75	154481	16.844	ug/l	100
37) Ethyl Acetate	6.20	43	66060	17.684	ug/l	96
38) Carbon Tetrachloride	7.12	117	182803	17.007	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.87	83	152220	16.166	ug/l	99
40) Benzene	7.47	78	393480	17.784	ug/l	100
41) Methacrylonitrile	6.46	41	79861	18.313	ug/l #	90
42) 1,2-Dichloroethane	7.59	62	125603	18.050	ug/l	98
43) Isopropyl Acetate	9.26	43	99616	18.374	ug/l #	97
44) Trichloroethene	8.55	130	148013	17.449	ug/l	95
45) 1,2-Dichloropropane	8.95	63	98573	17.964	ug/l	99
46) Dibromomethane	9.08	93	70098	17.875	ug/l	94
47) Bromodichloromethane	9.38	83	153904	17.869	ug/l	98
48) Methyl methacrylate	9.13	41	54389	17.403	ug/l	94
49) 1,4-Dioxane	9.09	88	13412	388.804	ug/l #	85
51) 4-Methyl-2-Pentanone	10.31	43	312347	97.417	ug/l	99
52) Toluene	10.53	92	237177	17.166	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	139609	18.491	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	164252	17.648	ug/l	97
55) 1,1,2-Trichloroethane	11.21	97	82297	17.661	ug/l	96
56) Ethyl methacrylate	11.05	69	86234	17.542	ug/l	98
57) 1,3-Dichloropropane	11.42	76	125953	18.457	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	262621	113.222	ug/l	97
59) 2-Hexanone	11.54	43	227452	91.407	ug/l	100
60) Dibromochloromethane	11.70	129	137676	18.700	ug/l	99
61) 1,2-Dibromoethane	11.82	107	96858	17.773	ug/l	98
64) Tetrachloroethene	11.28	164	117770	16.370	ug/l	97
65) Chlorobenzene	12.41	112	299564	16.299	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	124437	17.595	ug/l	98
67) Ethyl Benzene	12.54	91	488472	17.453	ug/l	98
68) m/p-Xylenes	12.68	106	345543	32.024	ug/l	98
69) o-Xylene	13.06	106	162709	15.622	ug/l	99
70) Styrene	13.09	104	303271	17.049	ug/l	98
71) Bromoform	13.24	173	72870	16.606	ug/l	96
73) Isopropylbenzene	13.41	105	465636	16.010	ug/l	97
74) N-amyl acetate	13.27	43	125798	15.919	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	98073	16.308	ug/l	99
76) 1,2,3-Trichloropropane	13.75	75	95500	16.081	ug/l	99
77) Bromobenzene	13.68	156	142495	16.879	ug/l	88
78) n-propylbenzene	13.79	91	563129	16.186	ug/l	95
79) 2-Chlorotoluene	13.84	91	318438	16.006	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	349419	15.136	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	27996	15.535	ug/l	89
82) 4-Chlorotoluene	13.95	91	314865	14.443	ug/l	91
83) tert-Butylbenzene	14.20	119	455456	16.364	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	392014	16.826	ug/l	99
85) sec-Butylbenzene	14.38	105	461481	15.346	ug/l	98
86) p-Isopropyltoluene	14.50	119	454251	17.413	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	235066	16.179	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	243689	16.623	ug/l	95
89) n-Butylbenzene	14.81	91	400077	17.644	ug/l	99
90) Hexachloroethane	15.02	117	115110	16.262	ug/l	84
91) 1,2-Dichlorobenzene	14.82	146	201720	16.846	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12807	17.648	ug/l	87

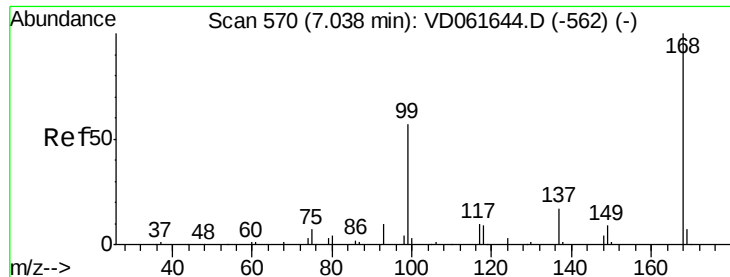
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	120861	19.811	ug/l	97
94) Hexachlorobutadiene	16.05	225	86356	18.332	ug/l	97
95) Naphthalene	16.13	128	204443	21.179	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	76038	24.974	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

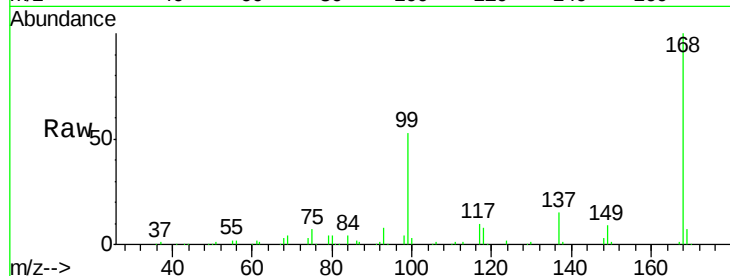
VD0408SBS01

Tot Ion:168 Resp: 666814

Ion Ratio Lower Upper

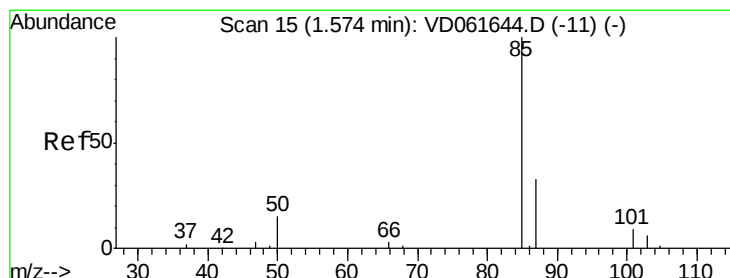
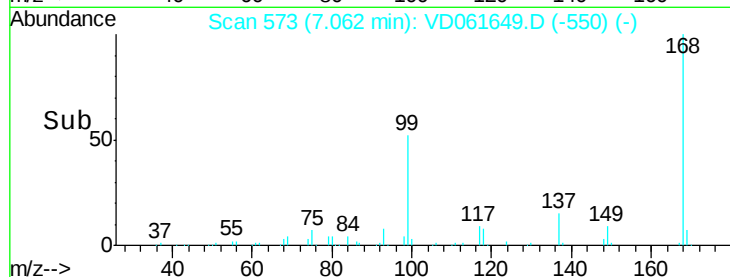
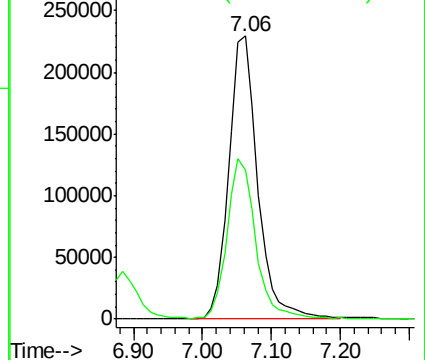
168 100

99 52.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 15.006 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061649.D

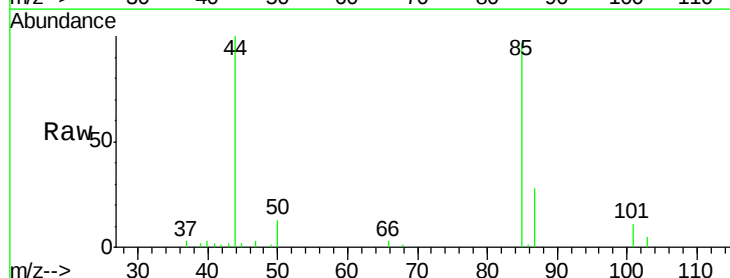
Acq: 8 Apr 2019 14:20

Tgt Ion: 85 Resp: 107951

Ion Ratio Lower Upper

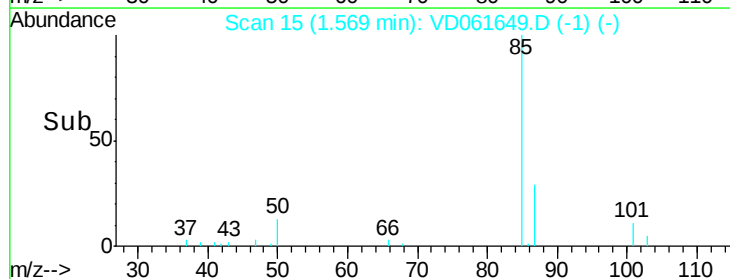
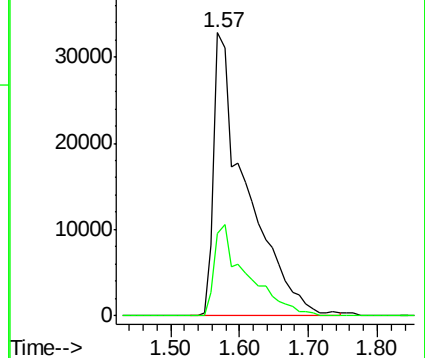
85 100

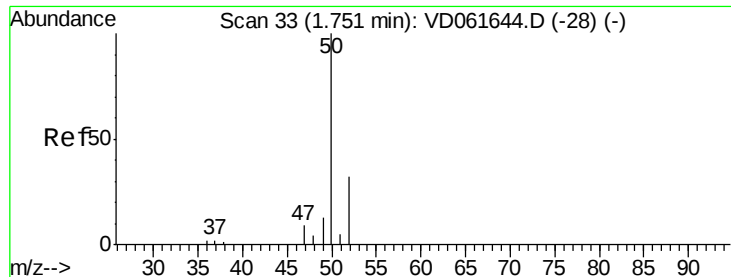
87 29.0 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 15.984 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

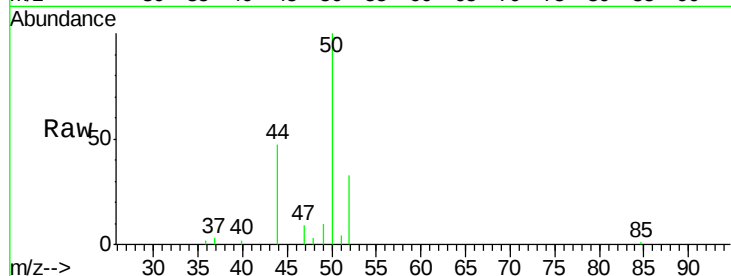
VD0408SBS01

Tot Ion: 50 Resp: 92921

Ion Ratio Lower Upper

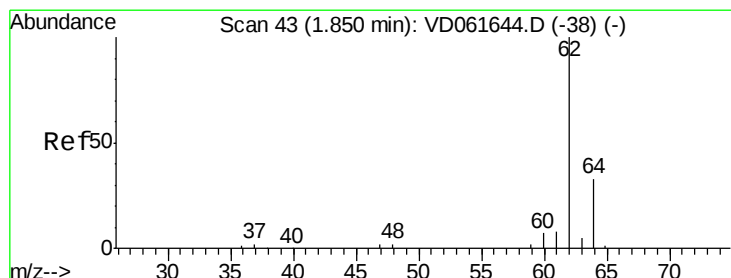
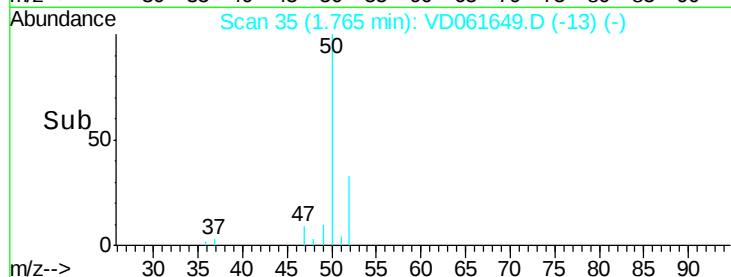
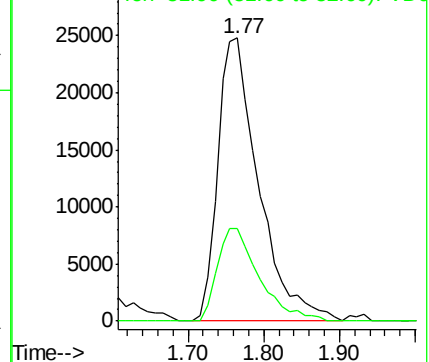
50 100

52 32.6 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 16.392 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061649.D

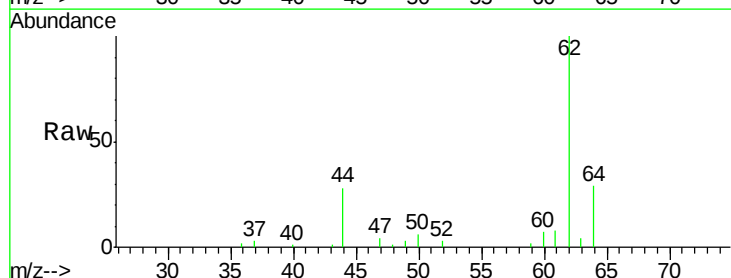
Acq: 8 Apr 2019 14:20

Tgt Ion: 62 Resp: 89042

Ion Ratio Lower Upper

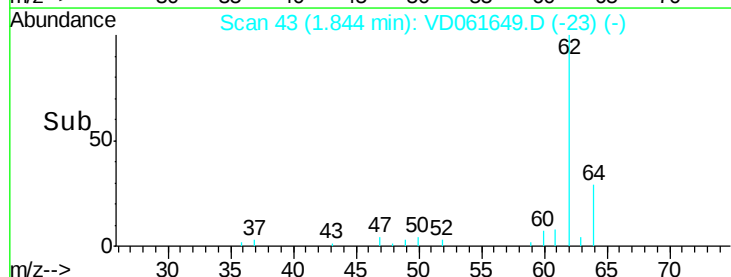
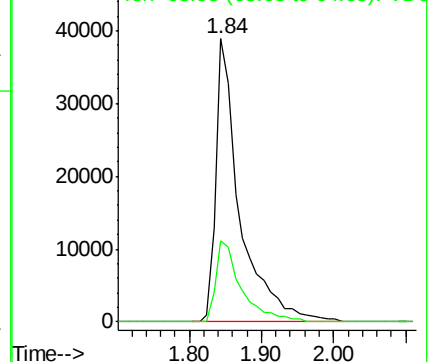
62 100

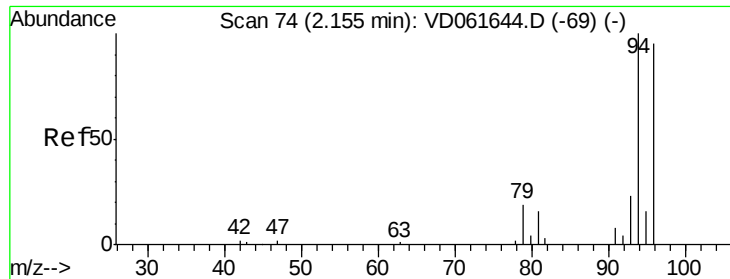
64 28.9 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

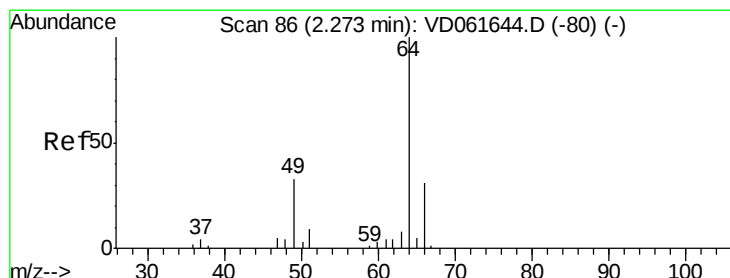
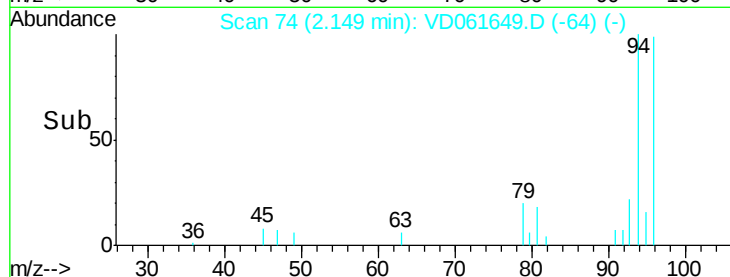
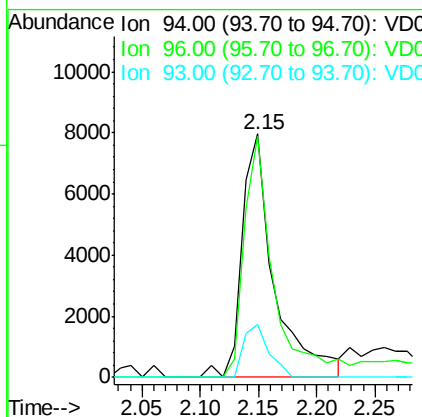
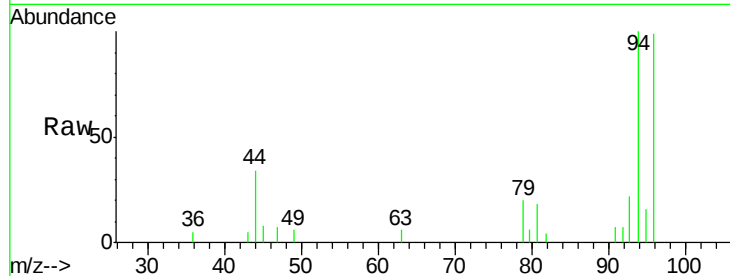




#5
Bromomethane
Concen: 12.158 ug/l
RT: 2.15 min Scan# 74
Delta R.T. -0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

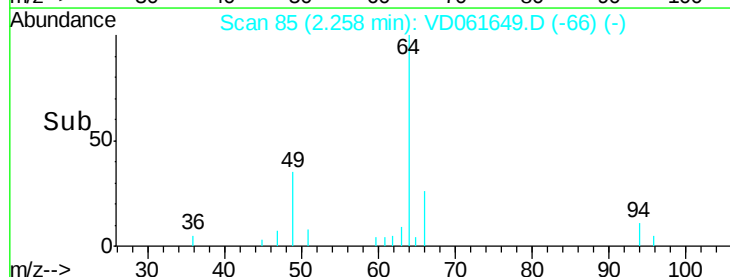
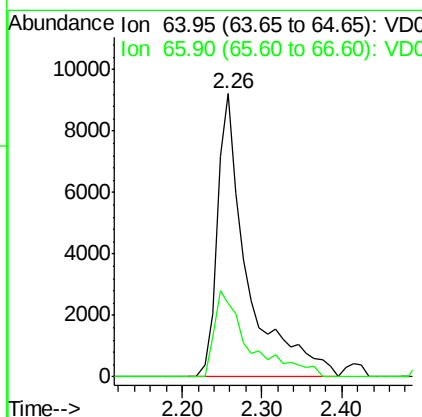
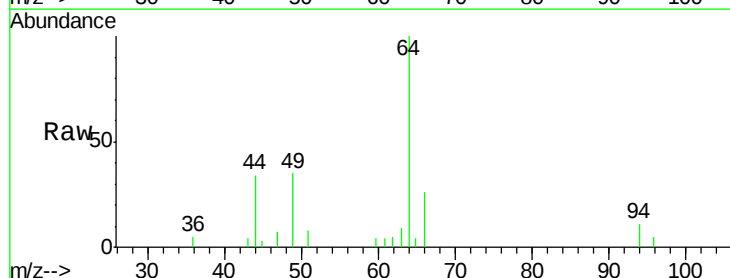
Instrument :
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ClientSampleId :
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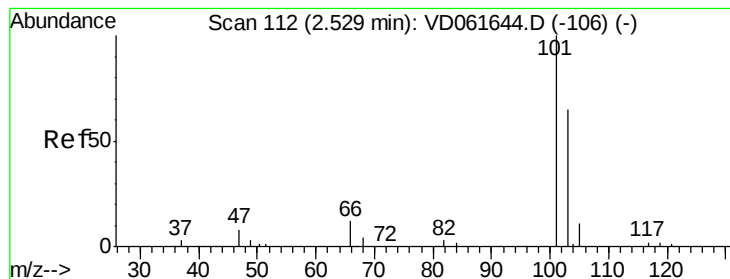
Tot Ion: 94 Resp: 15287
Ion Ratio Lower Upper
94 100
96 98.9 75.8 113.8
93 21.7 18.6 28.0



#6
Chloroethane
Concen: 14.287 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.02 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Tgt Ion: 64 Resp: 24308
Ion Ratio Lower Upper
64 100
66 26.2 24.9 37.3



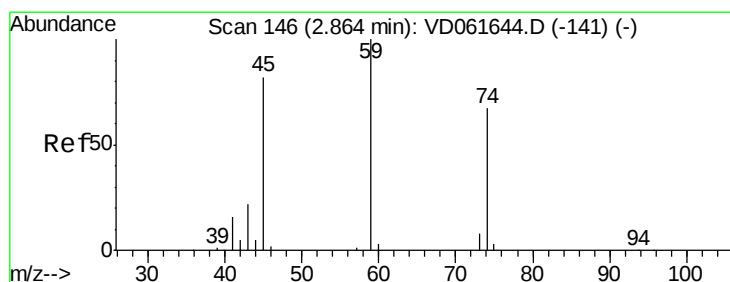
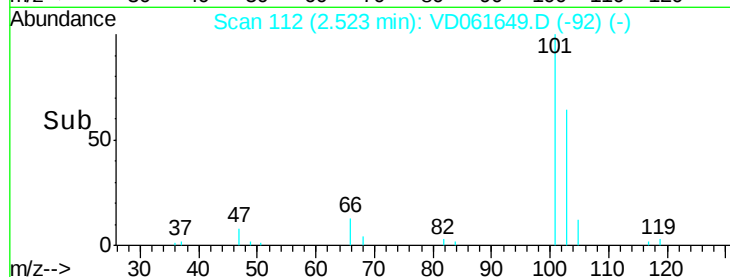
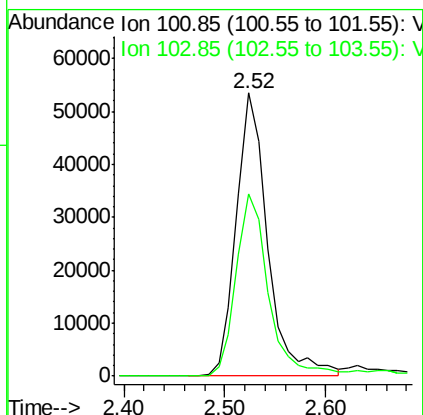
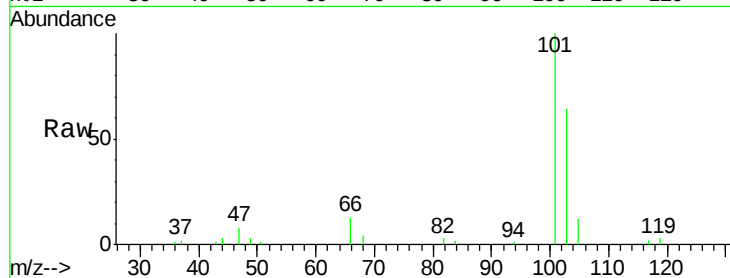


#7

Trichlorofluoromethane
 Concen: 14.191 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

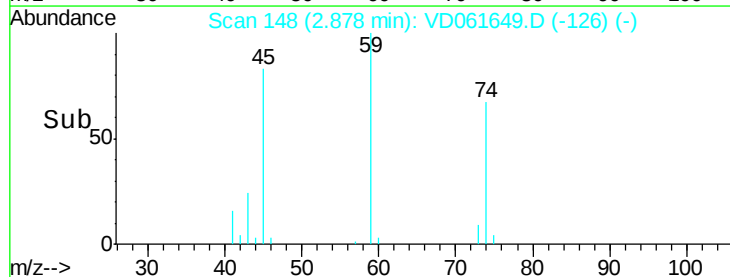
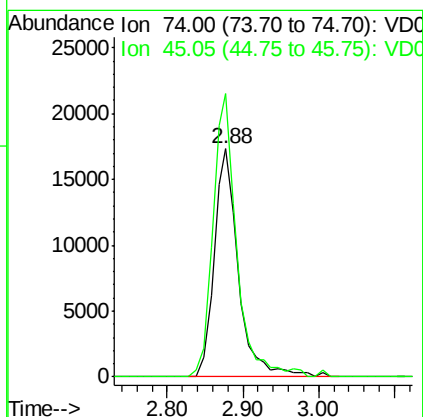
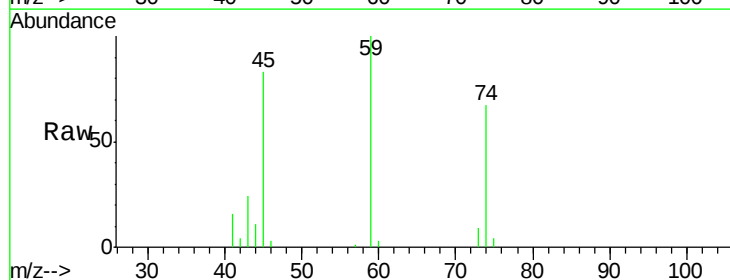
Tot Ion: 101 Resp: 116391
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.0 78.0

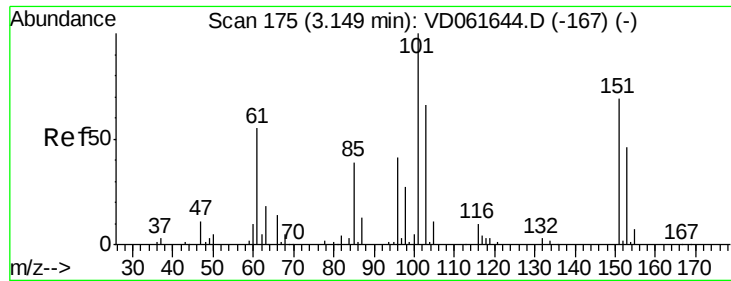


#8

Diethyl Ether
 Concen: 16.847 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Tgt Ion: 74 Resp: 38780
 Ion Ratio Lower Upper
 74 100
 45 124.2 61.0 183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.423 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBS01

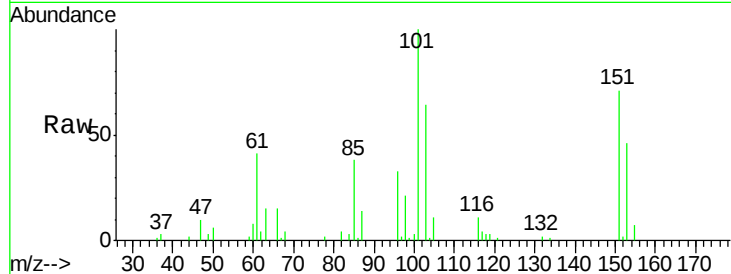
Tot Ion:101 Resp: 132427

Ion Ratio Lower Upper

101 100

85 38.1 31.0 46.6

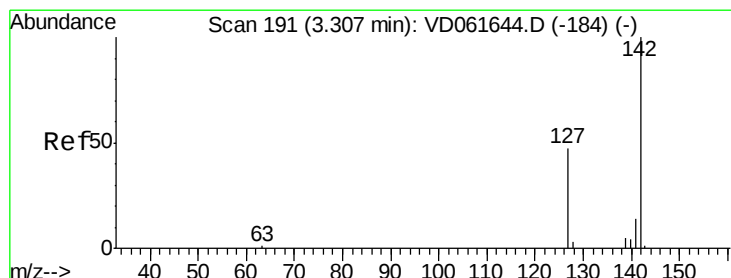
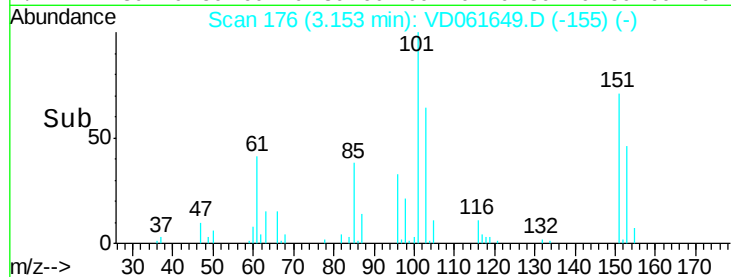
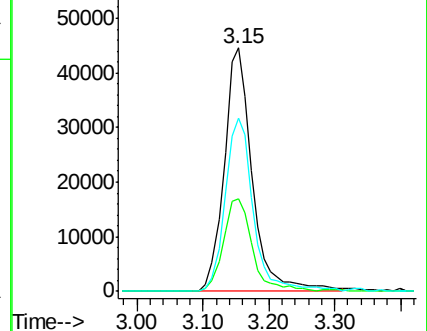
151 71.4 55.3 82.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VD

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 13.753 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.00 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

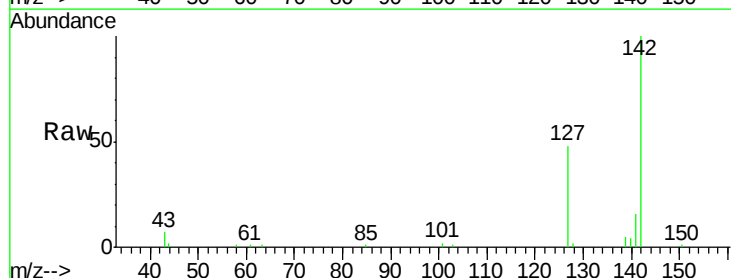
Tgt Ion:142 Resp: 131017

Ion Ratio Lower Upper

142 100

127 48.1 37.2 55.8

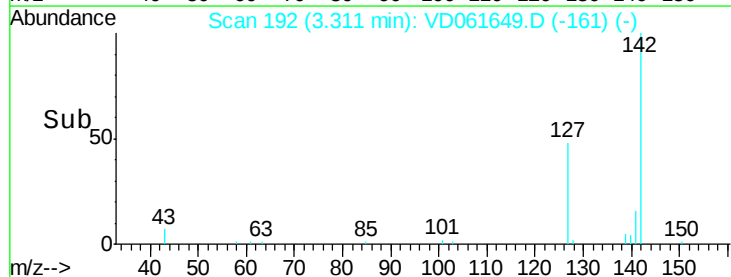
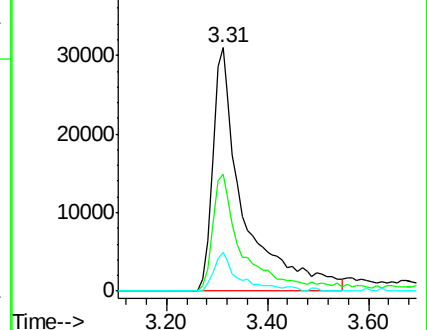
141 15.7 10.8 16.2

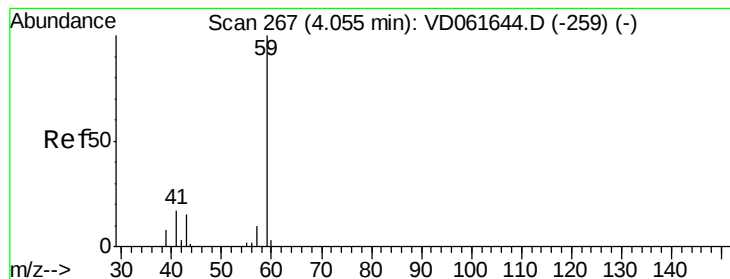


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



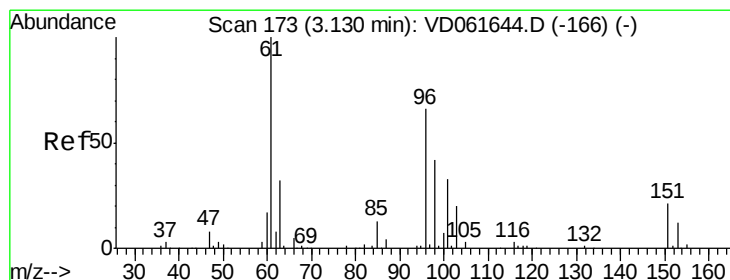
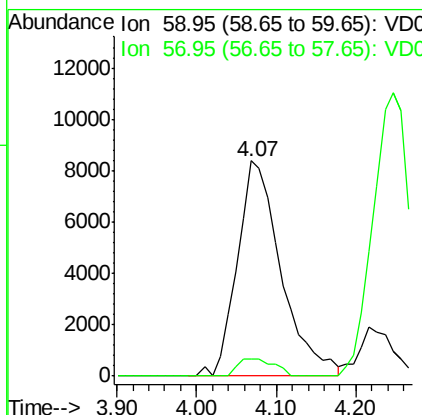
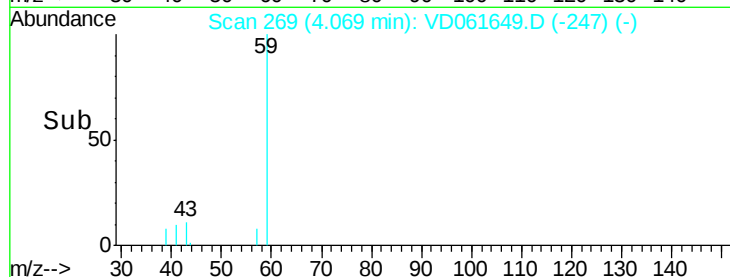
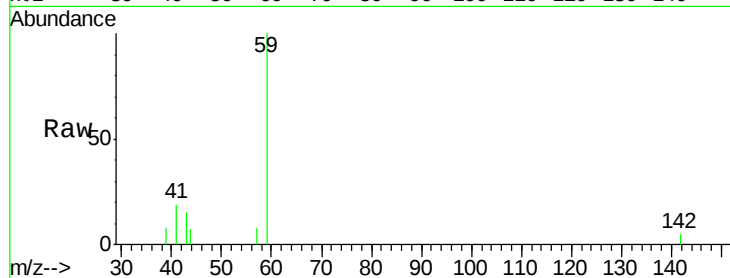


#11

Tert butyl alcohol
 Concen: 94.234 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

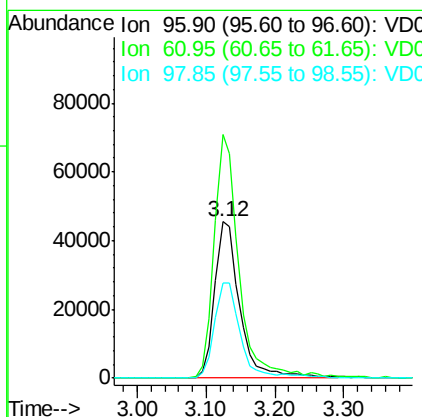
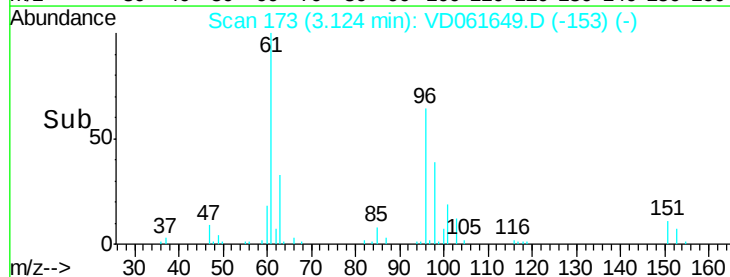
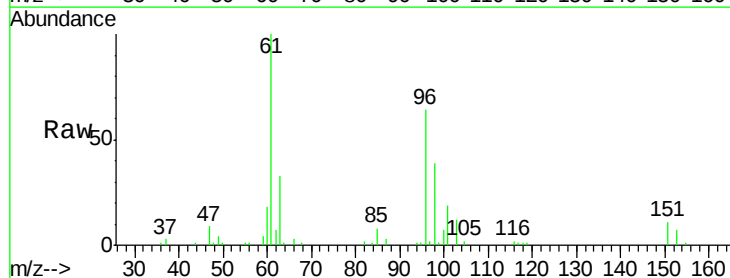
Tot Ion: 59 Resp: 31921
 Ion Ratio Lower Upper
 59 100
 57 8.2 8.4 12.6#

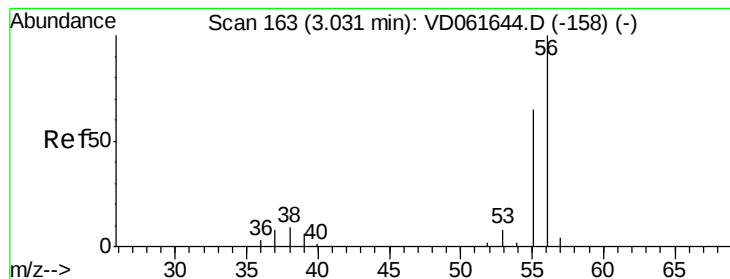


#12

1,1-Dichloroethene
 Concen: 16.686 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Tgt Ion: 96 Resp: 115994
 Ion Ratio Lower Upper
 96 100
 61 155.8 121.3 181.9
 98 60.8 50.6 76.0





#13

Acrolein

Concen: 98.257 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

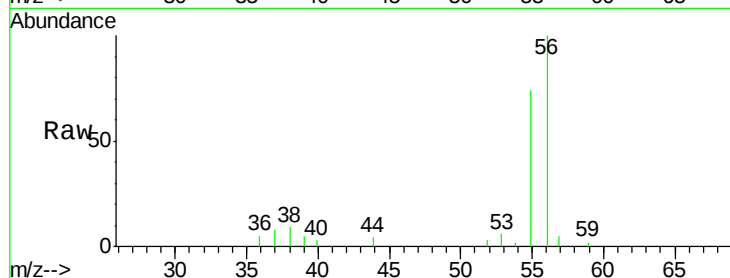
VD0408SBS01

Tot Ion: 56 Resp: 40580

Ion Ratio Lower Upper

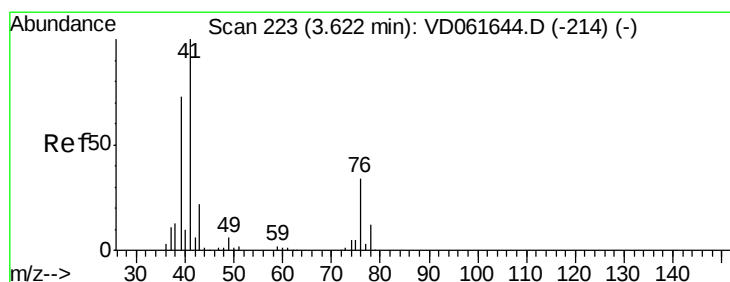
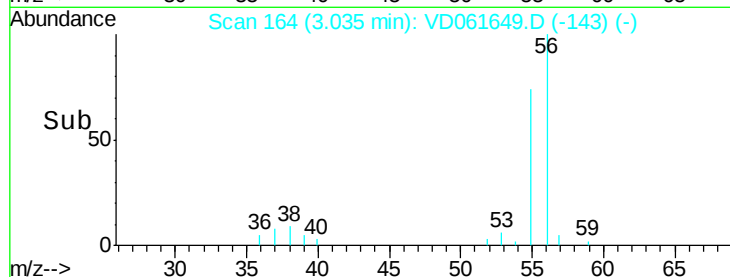
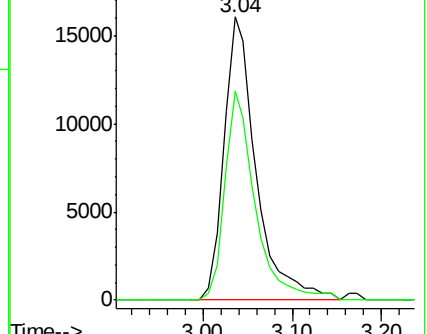
56 100

55 73.9 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 15.834 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

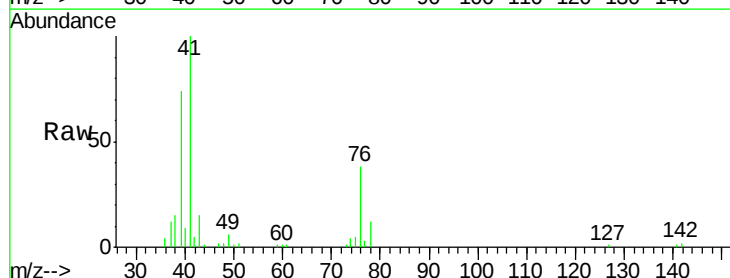
Tgt Ion: 41 Resp: 150127

Ion Ratio Lower Upper

41 100

39 74.0 58.2 87.4

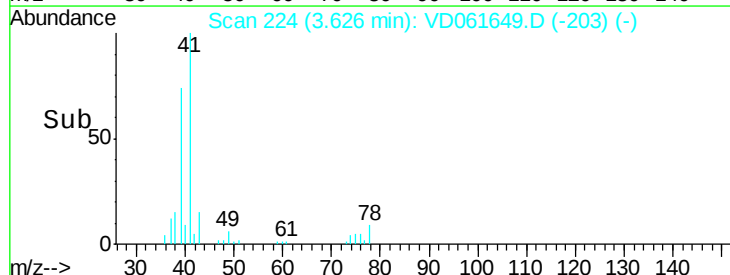
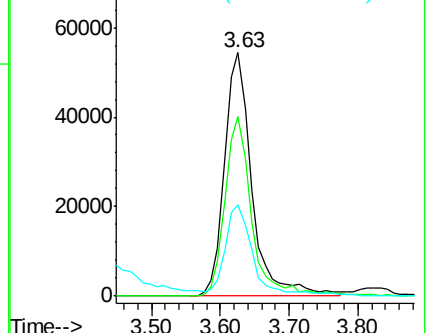
76 37.7 29.8 44.6

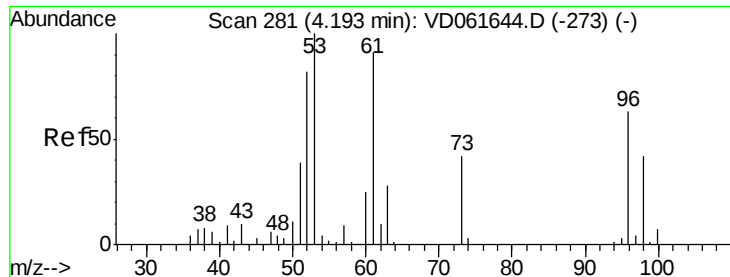


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 75.759 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBS01

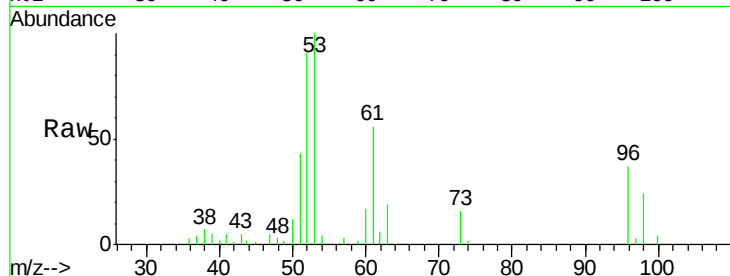
Tot Ion: 53 Resp: 88340

Ion Ratio Lower Upper

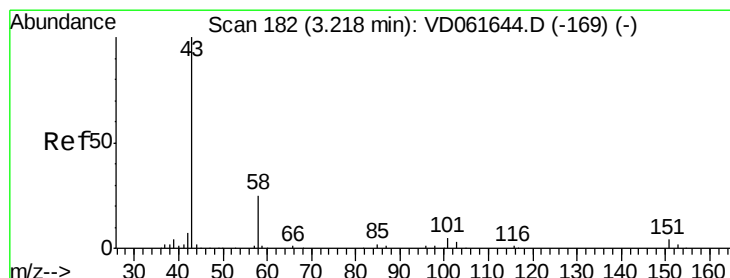
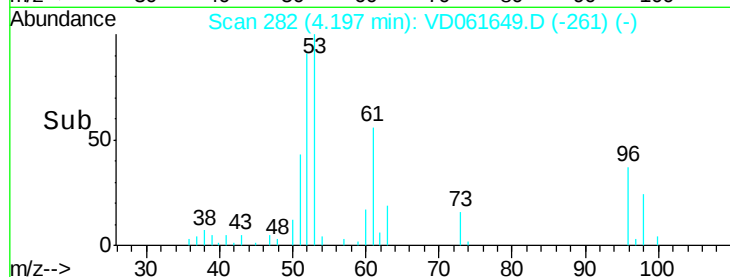
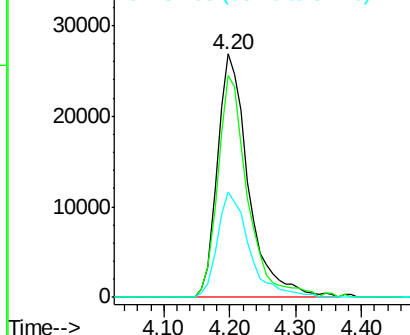
53 100

52 91.3 65.9 98.9

51 43.3 31.4 47.2



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



#16

Acetone

Concen: 75.230 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061649.D

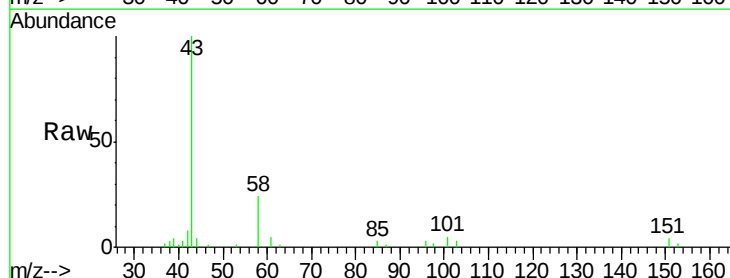
Acq: 8 Apr 2019 14:20

Tgt Ion: 43 Resp: 113668

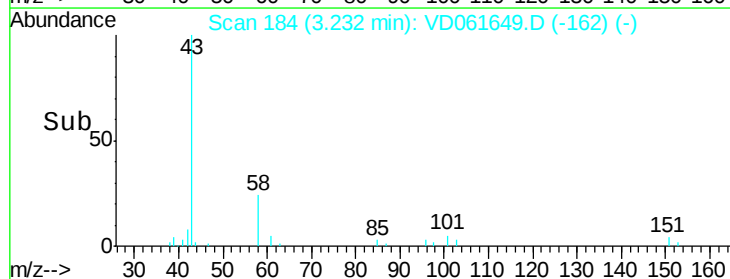
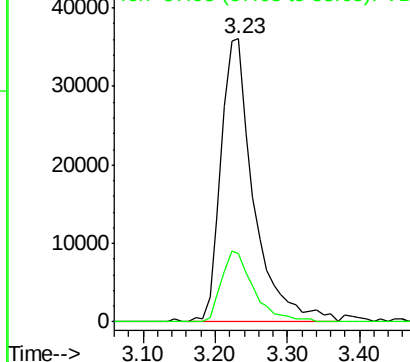
Ion Ratio Lower Upper

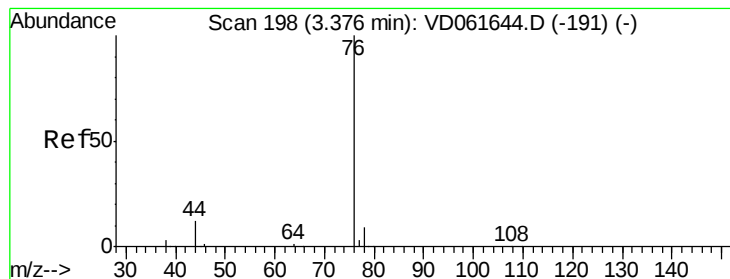
43 100

58 24.2 19.7 29.5



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





#17

Carbon Disulfide

Concen: 15.775 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

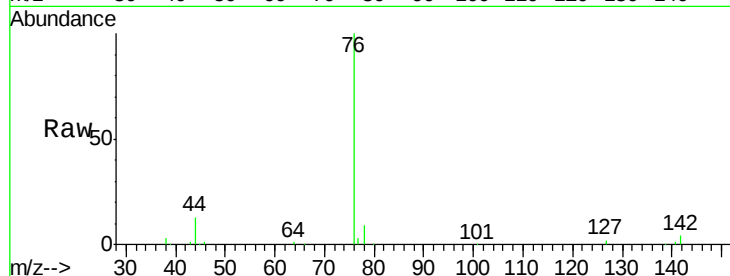
VD0408SBS01

Tot Ion: 76 Resp: 356326

Ion Ratio Lower Upper

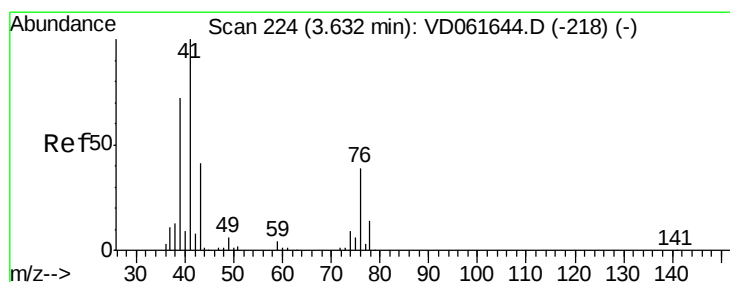
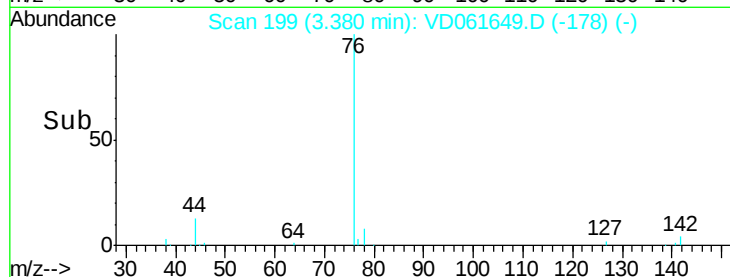
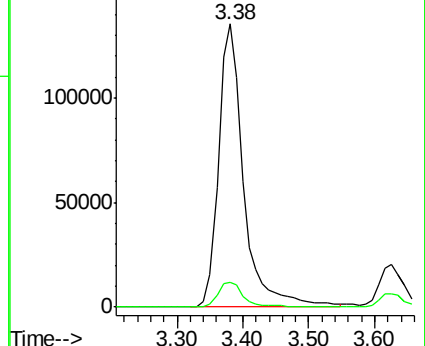
76 100

78 8.8 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 16.231 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD061649.D

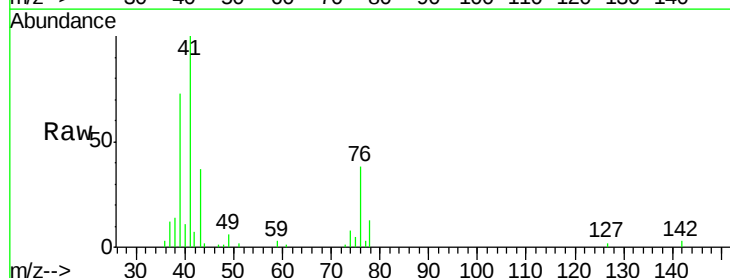
Acq: 8 Apr 2019 14:20

Tgt Ion: 43 Resp: 46139

Ion Ratio Lower Upper

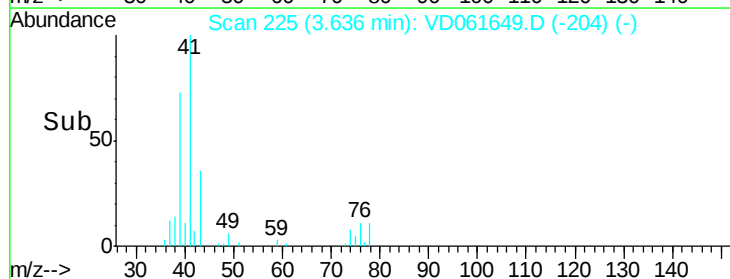
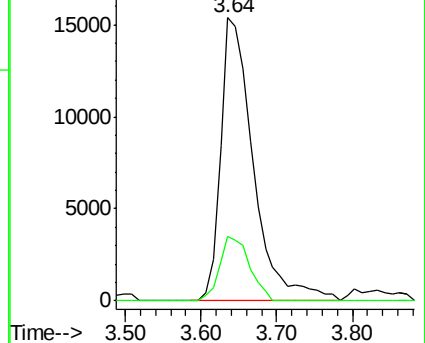
43 100

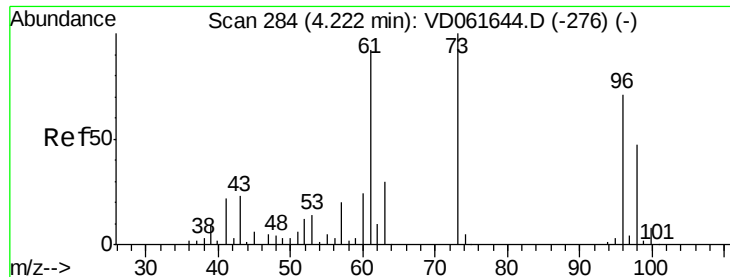
74 22.8 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

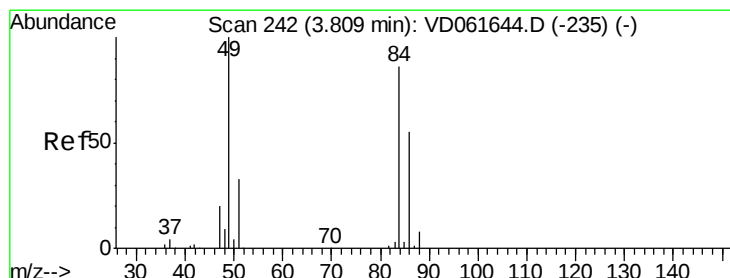
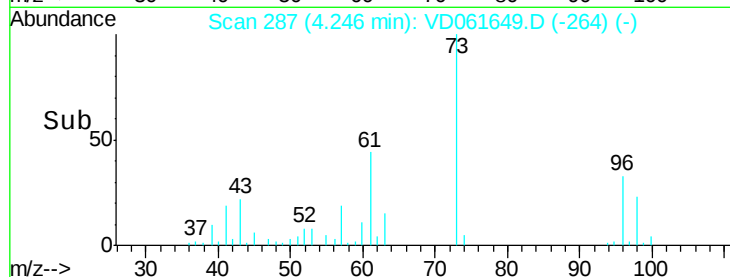
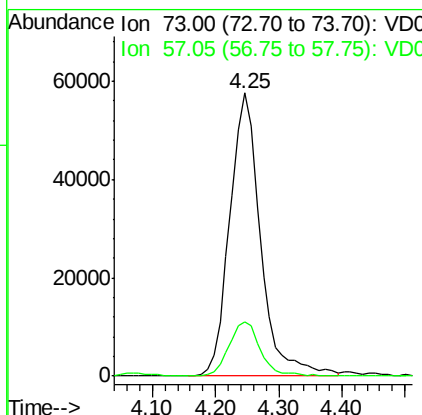
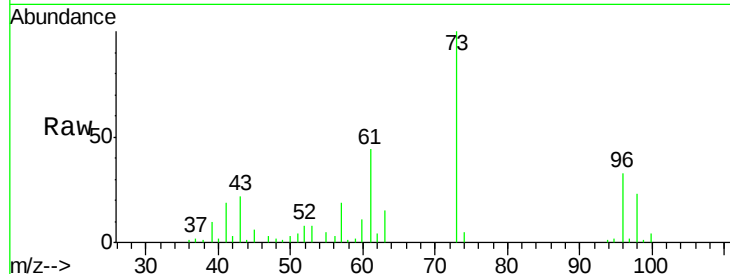




#19
Methyl tert-butyl Ether
Concen: 16.236 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

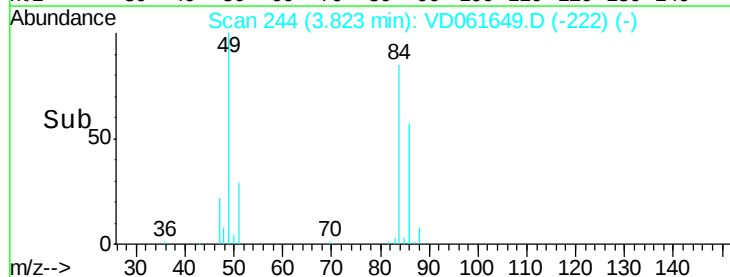
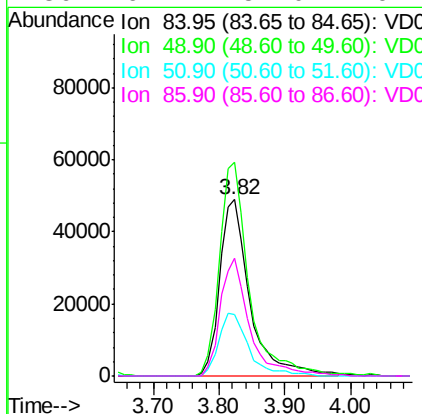
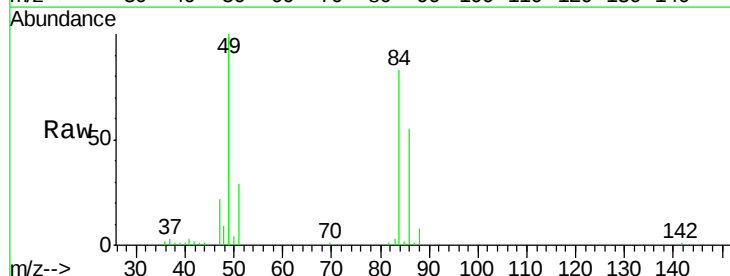
Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

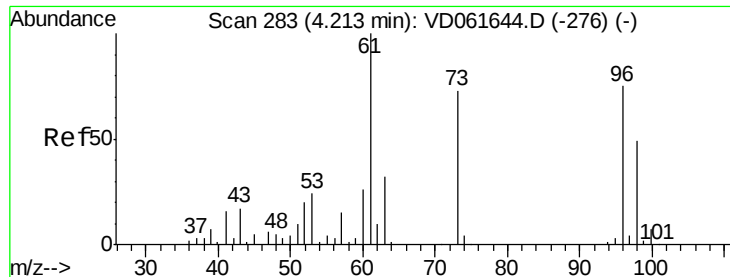
Tot Ion: 73 Resp: 195425
Ion Ratio Lower Upper
73 100
57 19.1 16.0 24.0



#20
Methylene Chloride
Concen: 18.282 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Tgt Ion: 84 Resp: 156747
Ion Ratio Lower Upper
84 100
49 121.0 93.0 139.4
51 34.7 30.4 45.6
86 67.1 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 15.121 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.01 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBS01

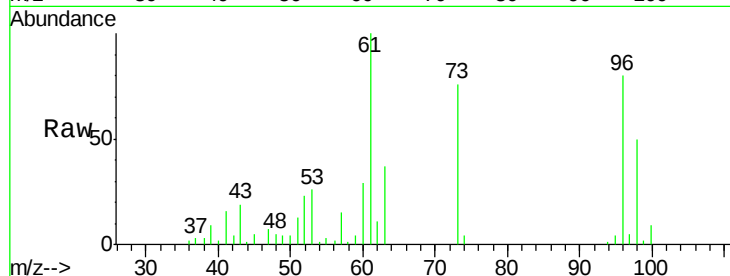
Tot Ion: 96 Resp: 114163

Ion Ratio Lower Upper

96 100

61 125.0 106.8 160.2

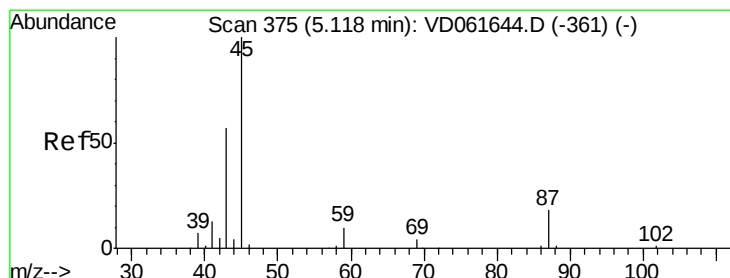
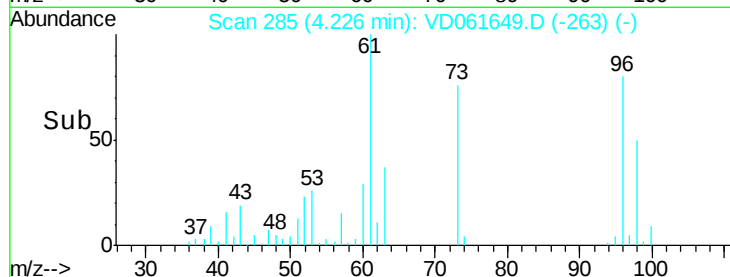
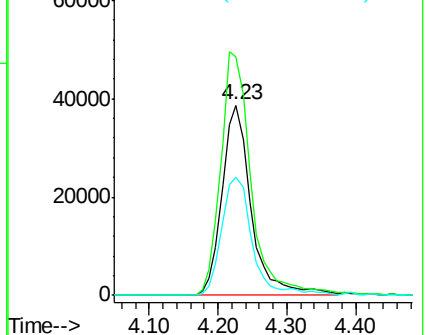
98 62.1 52.2 78.2



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: 16.688 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Tgt Ion: 45 Resp: 331727

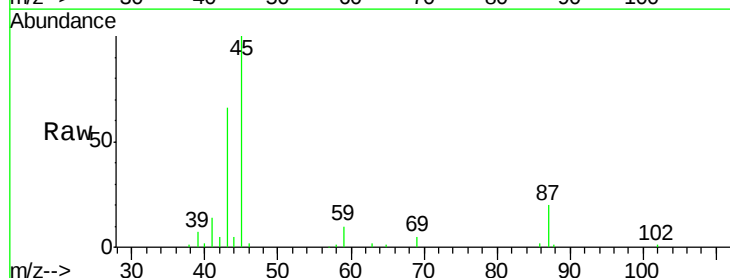
Ion Ratio Lower Upper

45 100

43 65.9 46.6 70.0

87 20.0 15.6 23.4

59 10.2 8.6 13.0

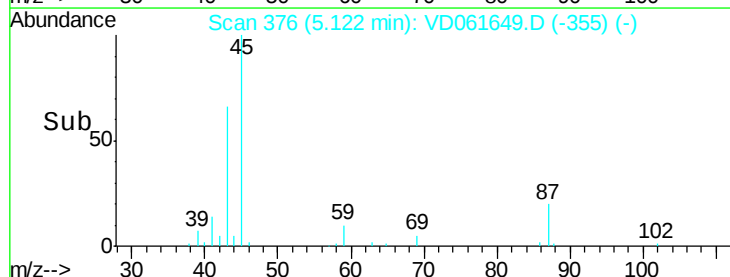
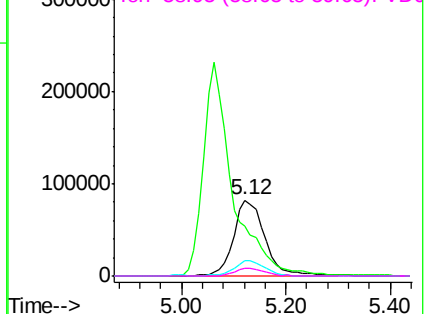


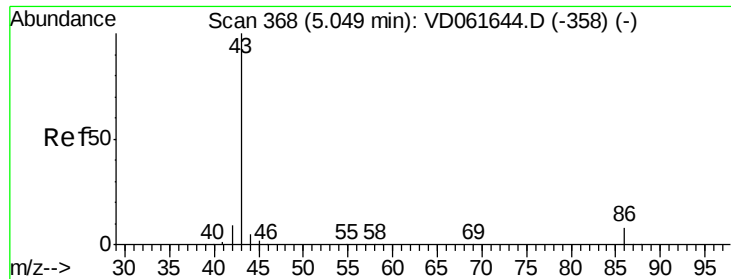
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 81.356 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleID :

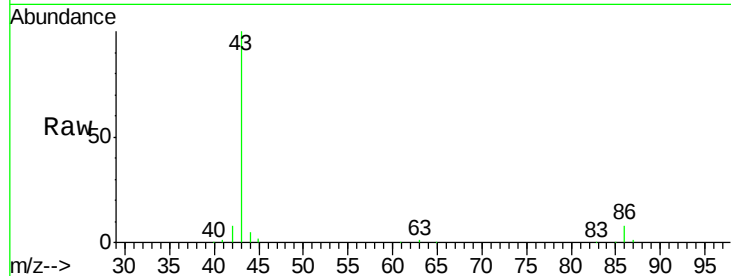
VD0408SBS01

Tot Ion: 43 Resp: 892347

Ion Ratio Lower Upper

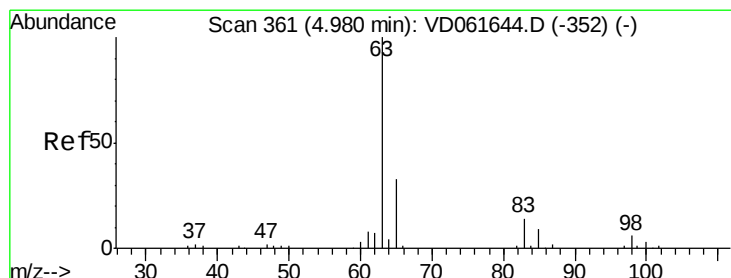
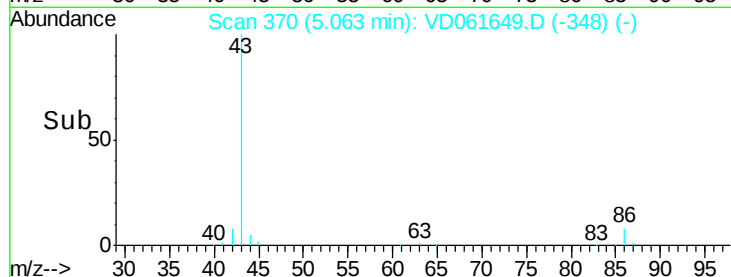
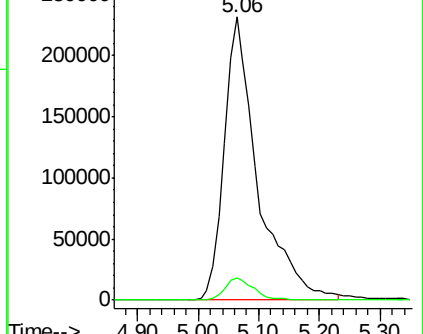
43 100

86 8.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 15.582 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

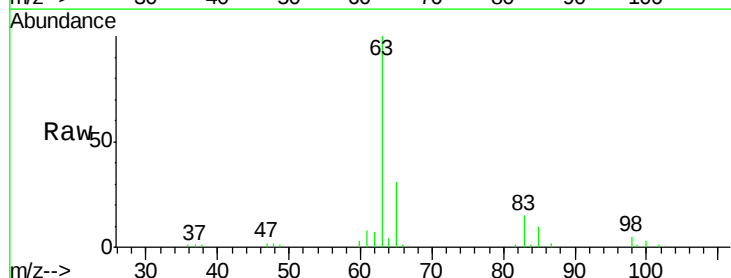
Tgt Ion: 63 Resp: 189803

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

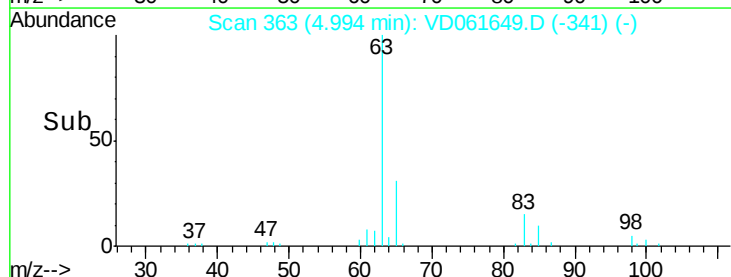
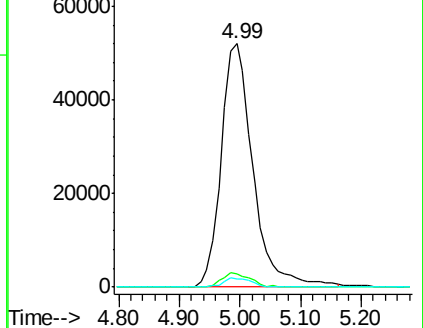
100 3.3 1.7 5.1

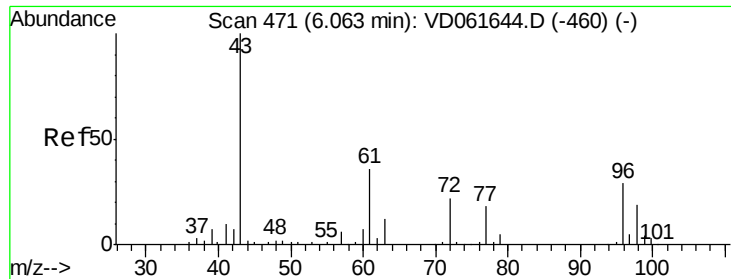


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 84.615 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

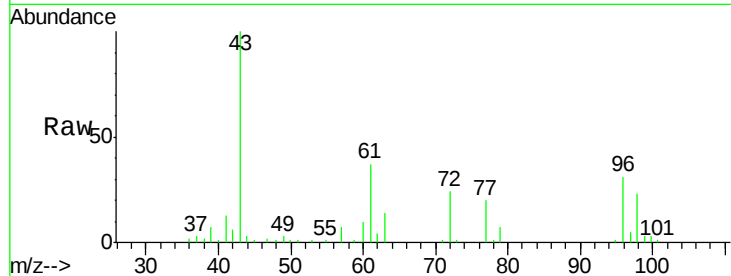
VD0408SBS01

Tot Ion: 43 Resp: 147387

Ion Ratio Lower Upper

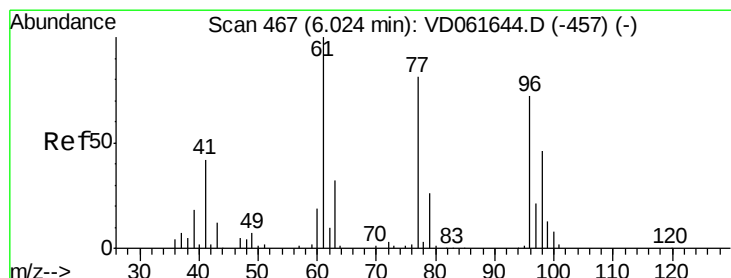
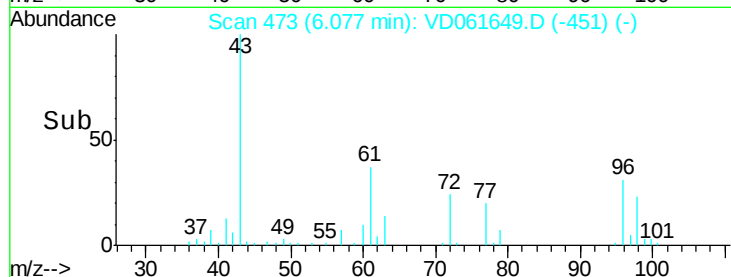
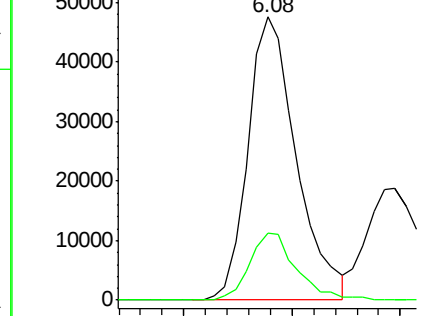
43 100

72 23.9 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 17.072 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD061649.D

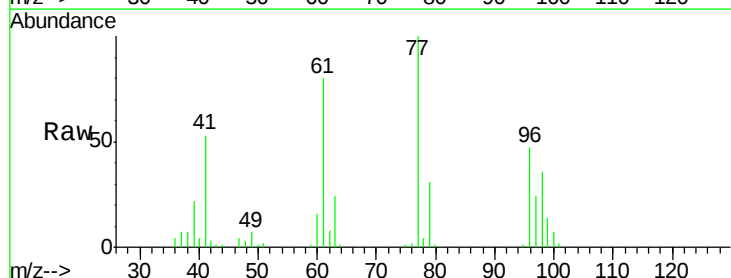
Acq: 8 Apr 2019 14:20

Tgt Ion: 77 Resp: 169335

Ion Ratio Lower Upper

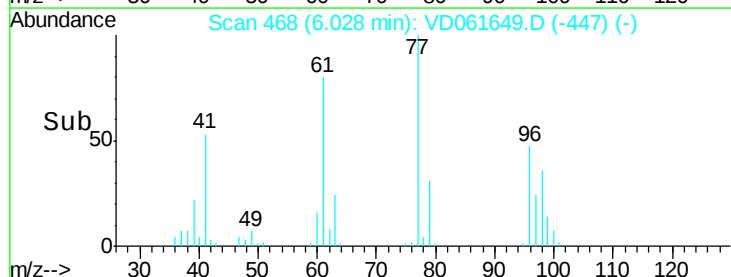
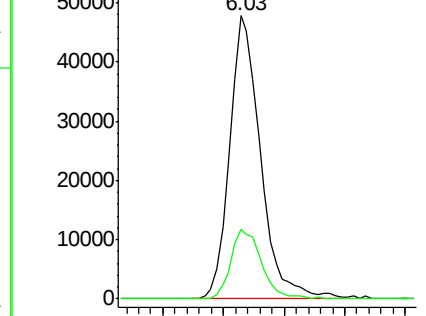
77 100

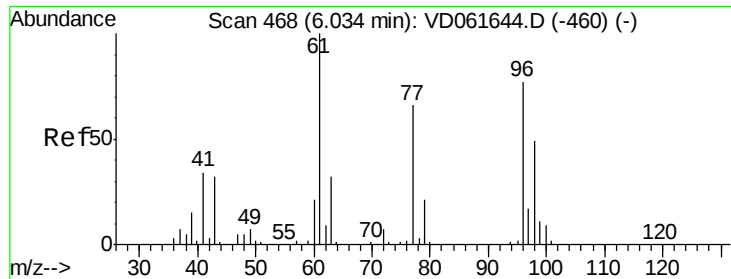
97 24.4 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



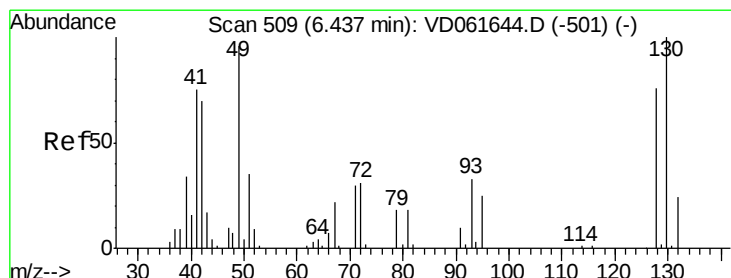
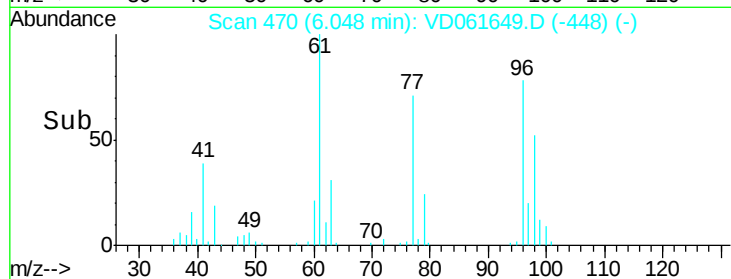
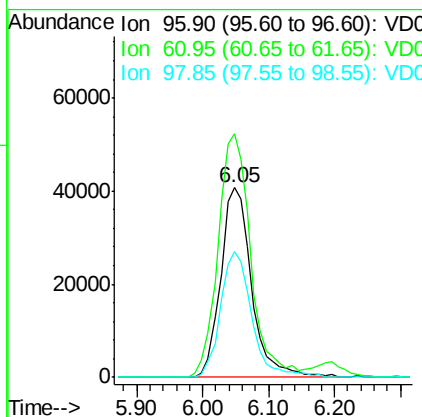
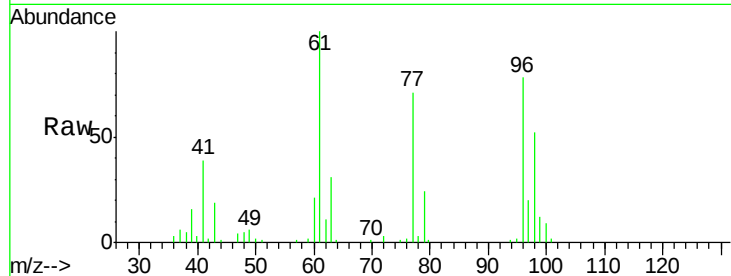


#27

cis-1,2-Dichloroethene
Concen: 16.589 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

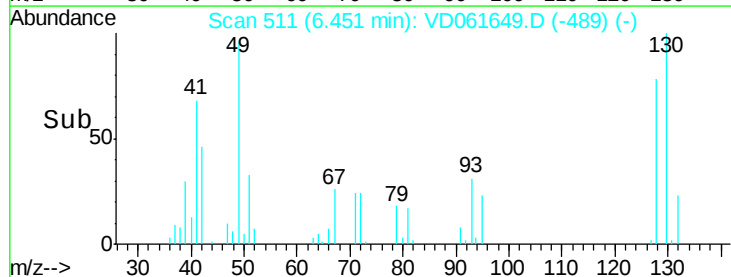
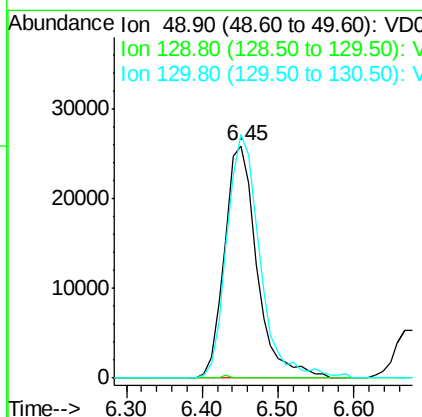
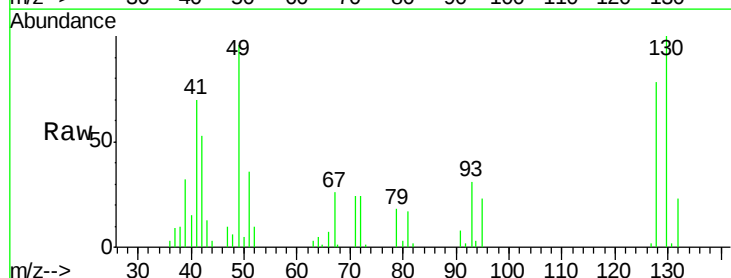
Tot Ion: 96 Resp: 133616
Ion Ratio Lower Upper
96 100
61 128.3 0.0 259.8
98 66.1 0.0 127.6

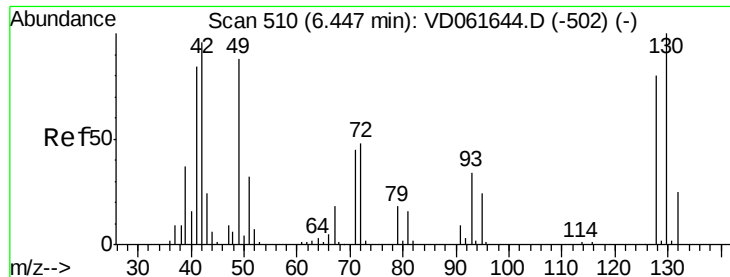


#28

Bromochloromethane
Concen: 17.090 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Tgt Ion: 49 Resp: 76795
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 104.7 83.3 124.9

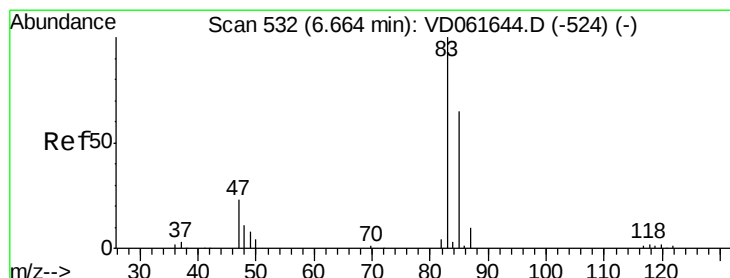
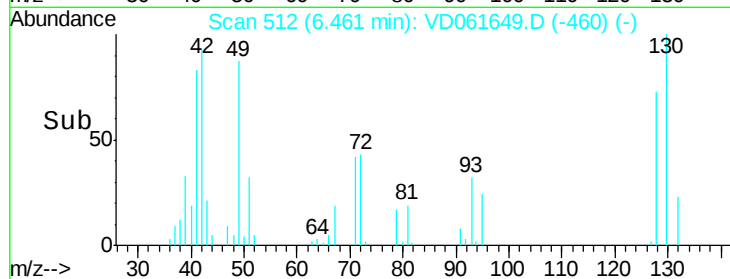
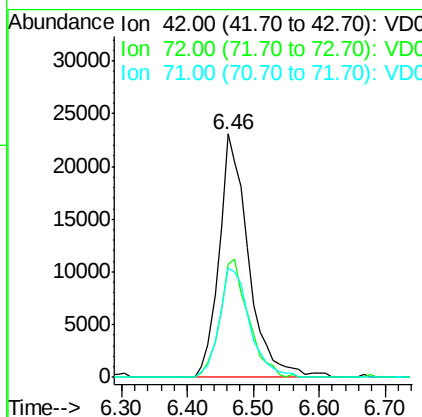
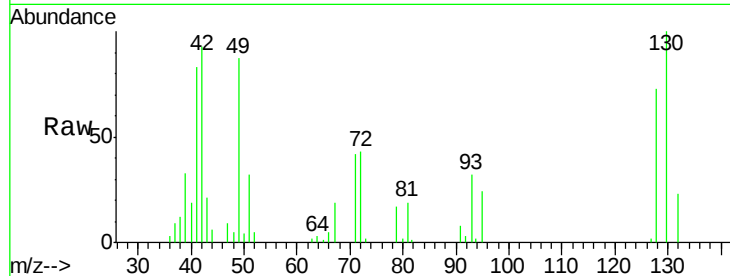




#29
Tetrahydrofuran
Concen: 85.316 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

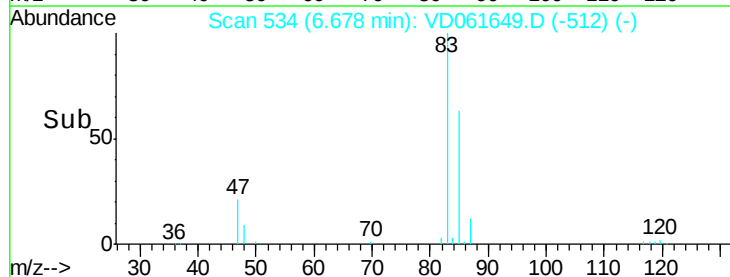
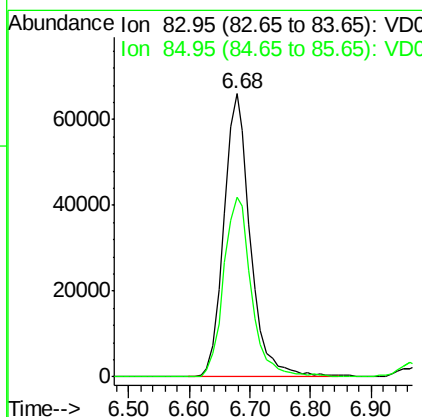
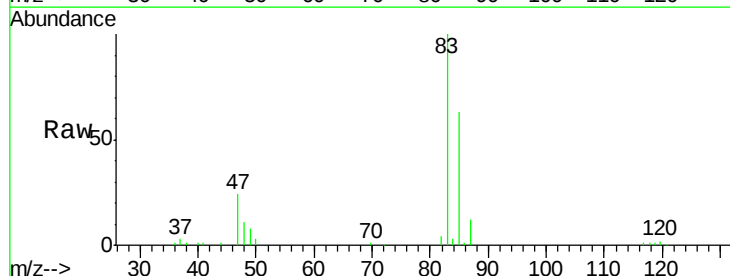
Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

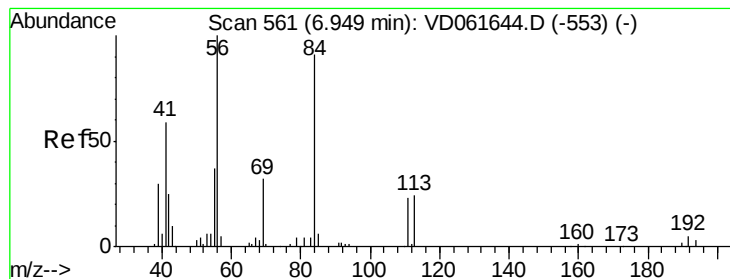
Tot Ion: 42 Resp: 71738
Ion Ratio Lower Upper
42 100
72 46.7 37.0 55.6
71 46.3 36.5 54.7



#30
Chloroform
Concen: 15.663 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Tgt Ion: 83 Resp: 199871
Ion Ratio Lower Upper
83 100
85 63.3 51.9 77.9





#31

Cyclohexane

Concen: 15.570 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.02 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBS01

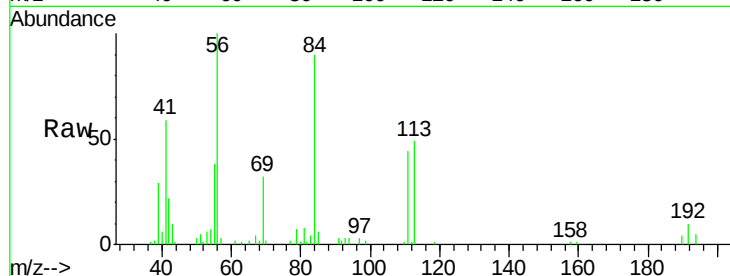
Tot Ion: 56 Resp: 148164

Ion Ratio Lower Upper

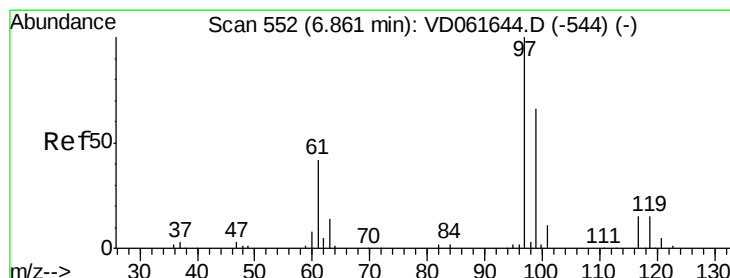
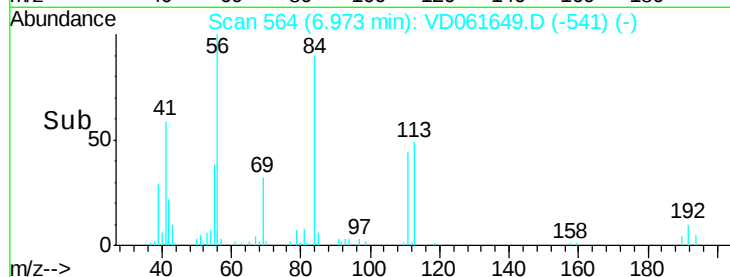
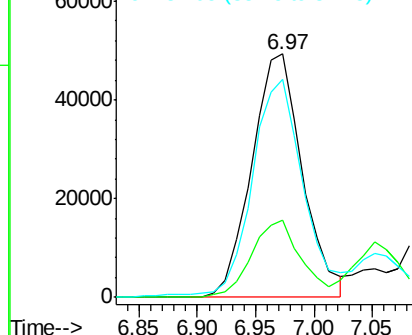
56 100

69 31.9 25.8 38.6

84 89.7 74.2 111.2



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



#32

1,1,1-Trichloroethane

Concen: 15.934 ug/l

RT: 6.88 min Scan# 555

Delta R.T. 0.02 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

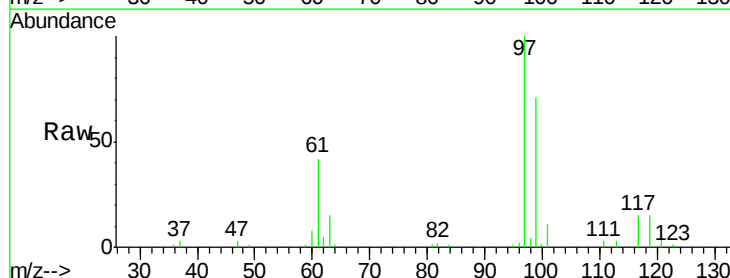
Tgt Ion: 97 Resp: 178188

Ion Ratio Lower Upper

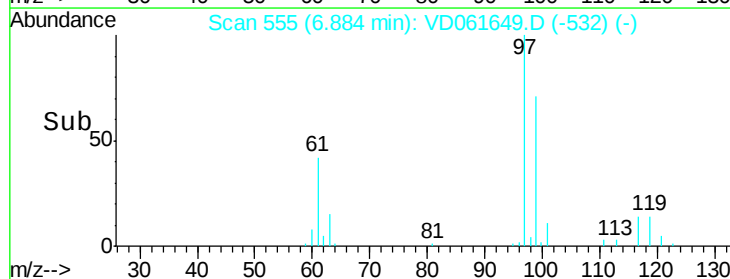
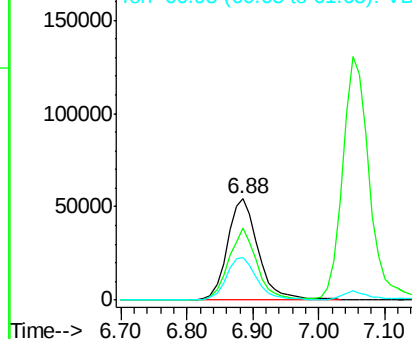
97 100

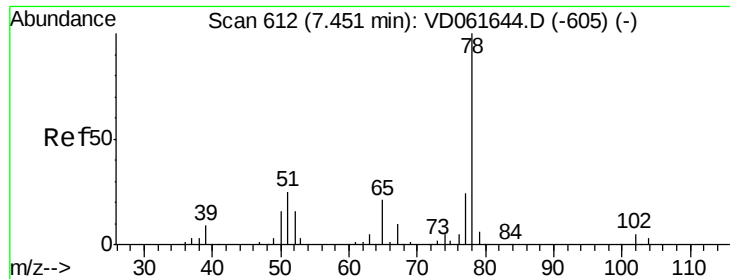
99 71.0 52.5 78.7

61 41.5 33.4 50.0



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





#33

1,2-Dichloroethane-d4

Concen: 15.934 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

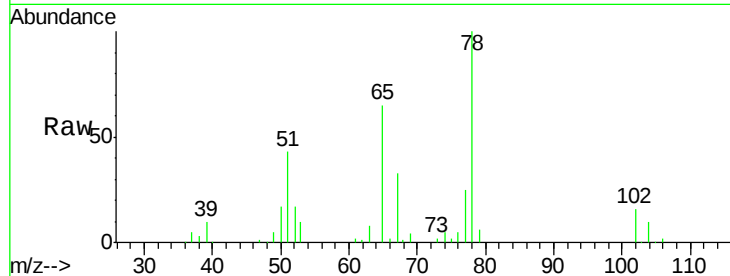
VD0408SBS01

Tot Ion: 65 Resp: 248876

Ion Ratio Lower Upper

65 100

67 50.4 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

100000

80000

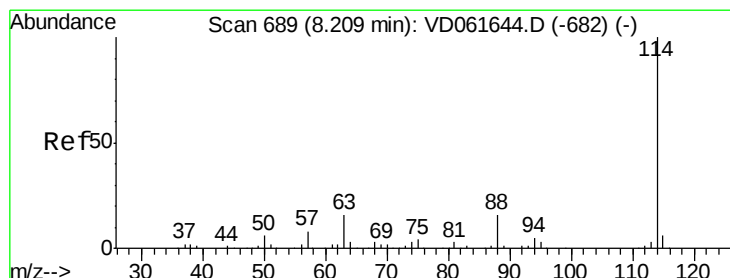
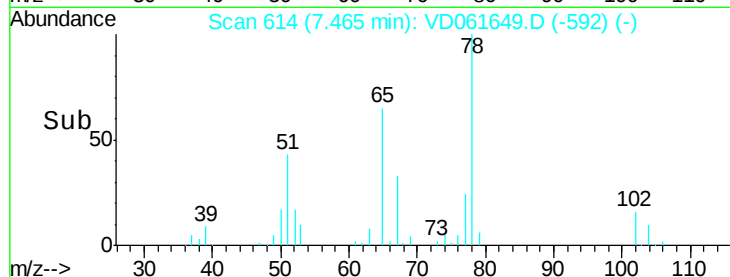
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

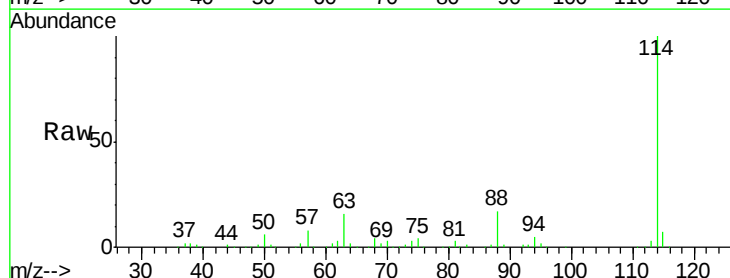
Tgt Ion:114 Resp: 1047954

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.2

88 16.7 0.0 31.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

500000

400000

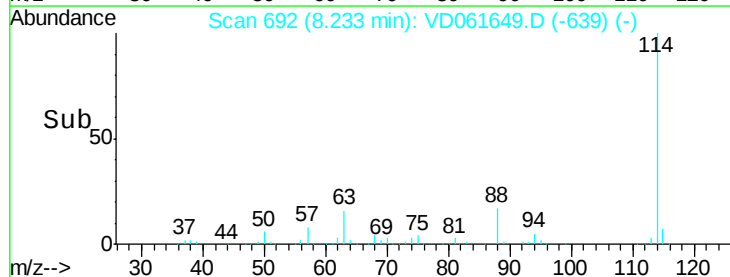
300000

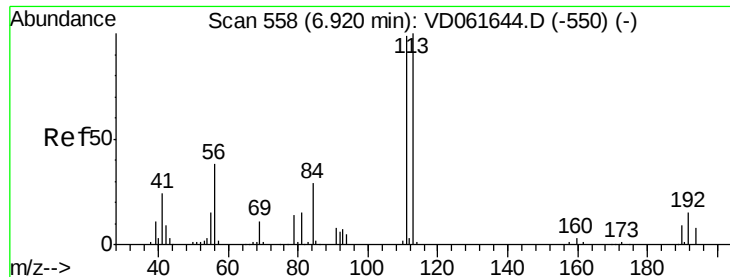
200000

100000

0

Time-->

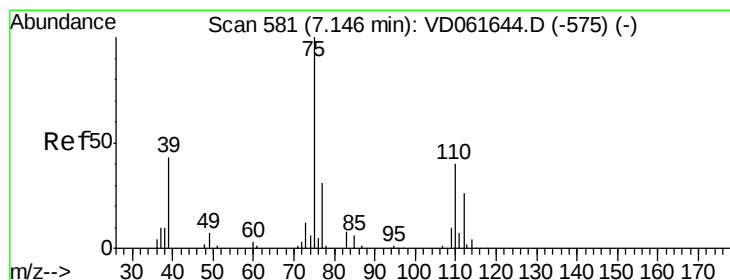
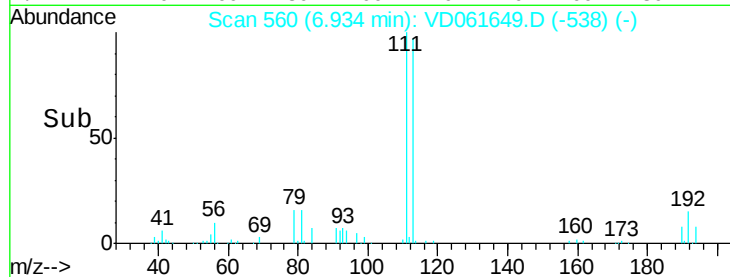
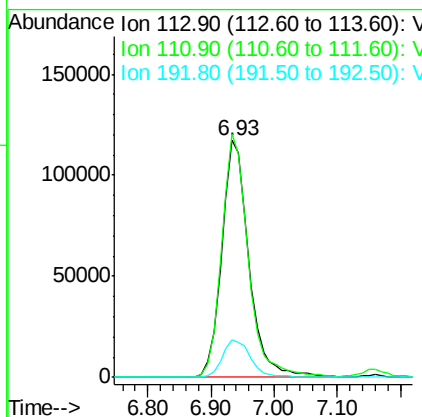
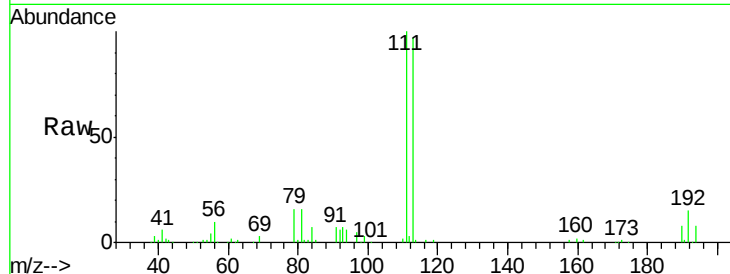




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

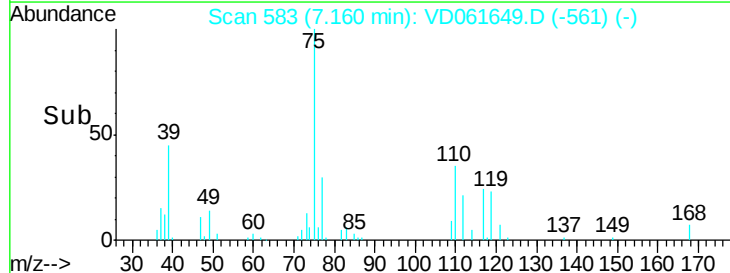
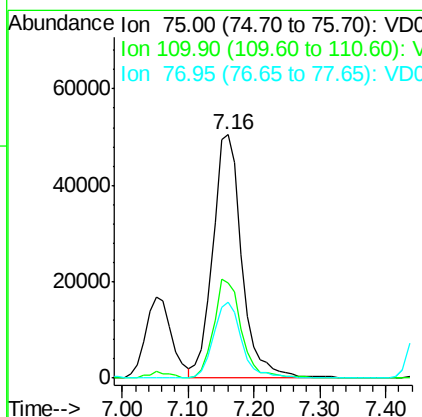
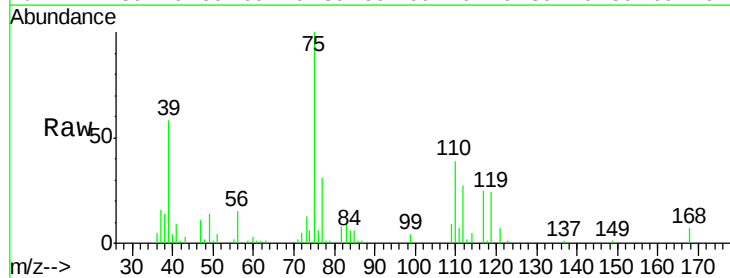
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

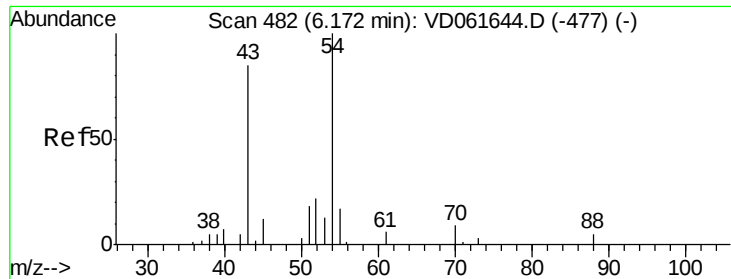
Tot Ion:113 Resp: 350899
 Ion Ratio Lower Upper
 113 100
 111 102.7 79.3 118.9
 192 15.8 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 16.844 ug/l
 RT: 7.16 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Tgt Ion: 75 Resp: 154481
 Ion Ratio Lower Upper
 75 100
 110 39.2 19.7 59.0
 77 31.0 24.8 37.2

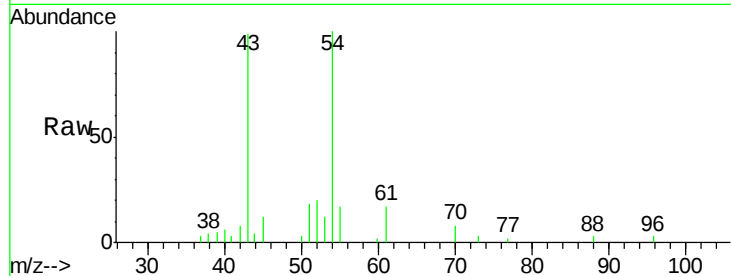




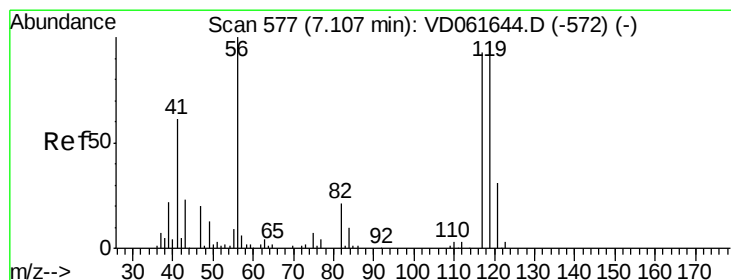
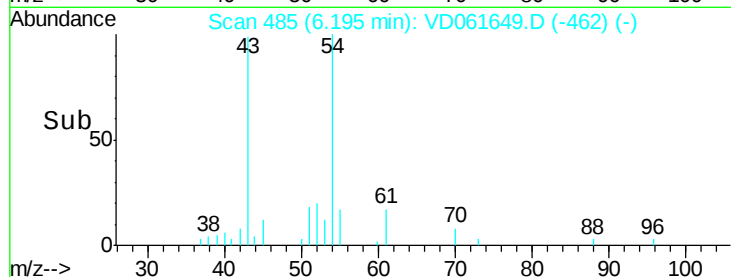
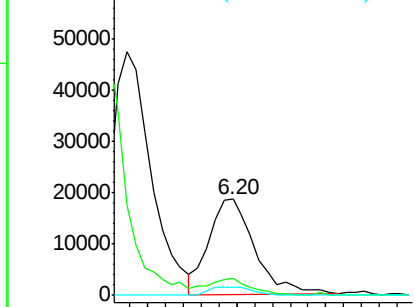
#37
Ethyl Acetate
Concen: 17.684 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.02 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

Tot Ion: 43 Resp: 66060
Ion Ratio Lower Upper
43 100
61 17.4 11.9 17.9
70 7.9 6.9 10.3

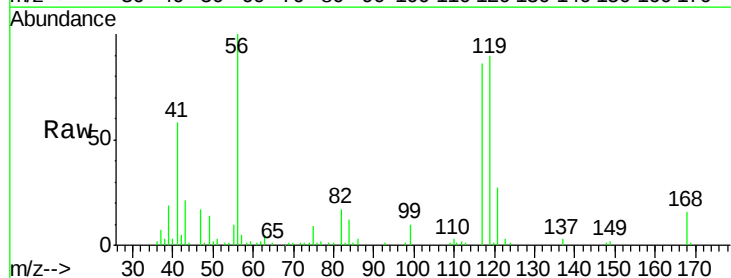


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

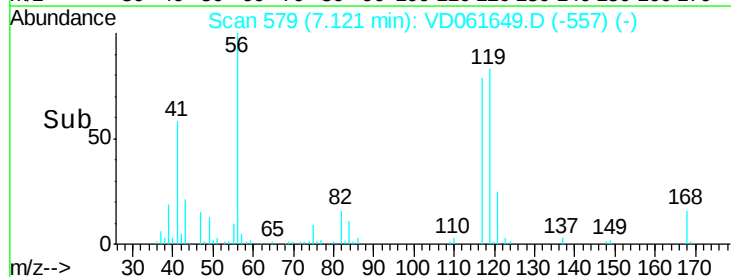
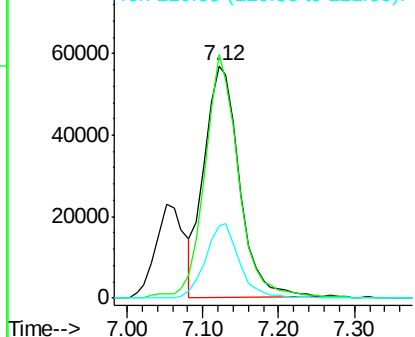


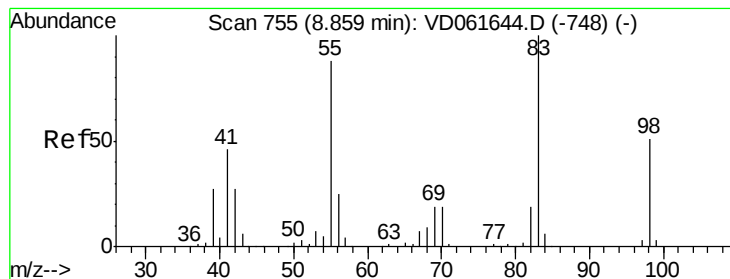
#38
Carbon Tetrachloride
Concen: 17.007 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Tgt Ion: 117 Resp: 182803
Ion Ratio Lower Upper
117 100
119 104.9 77.9 116.9
121 31.0 24.7 37.1



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





#39

Methvlcvclohexane

Concen: 16.166 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBS01

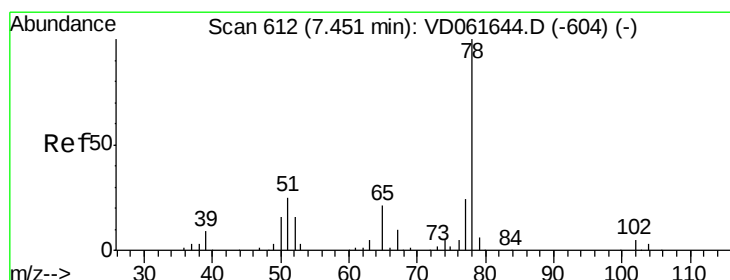
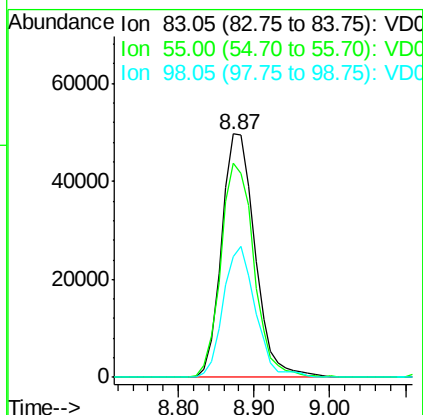
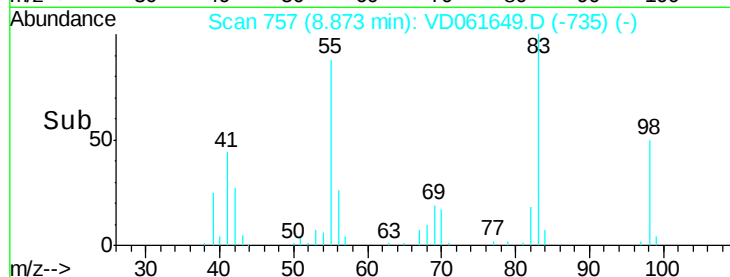
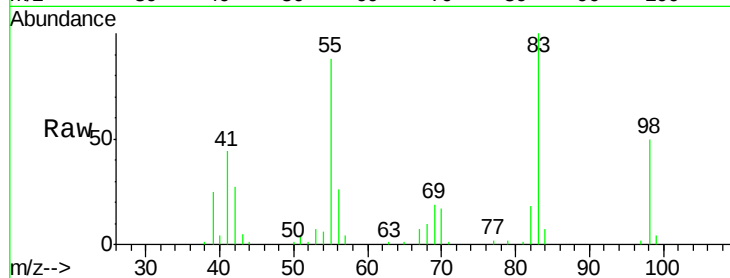
Tot Ion: 83 Resp: 152220

Ion Ratio Lower Upper

83 100

55 88.2 70.3 105.5

98 49.6 41.0 61.6



#40

Benzene

Concen: 17.784 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061649.D

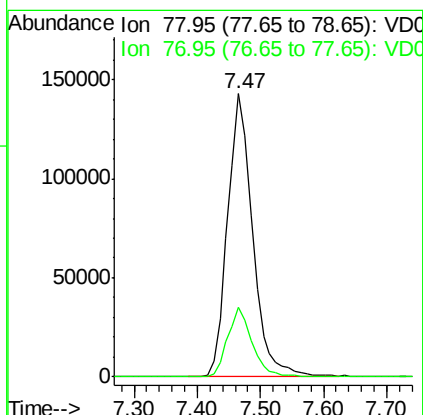
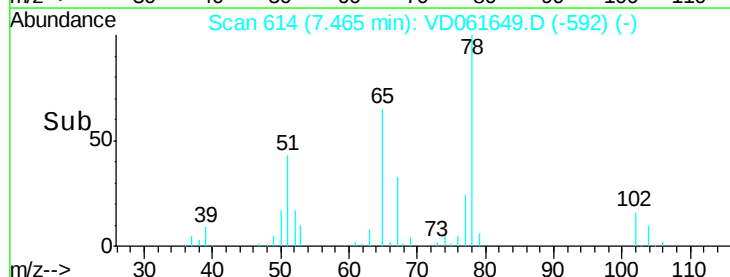
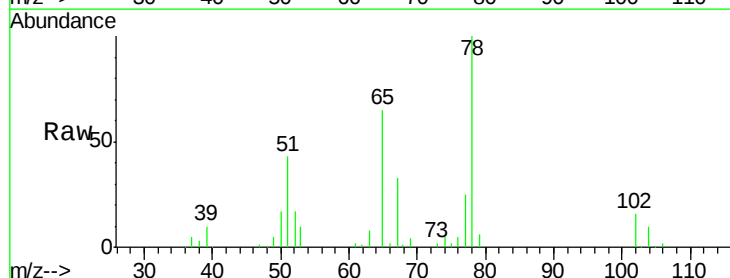
Acq: 8 Apr 2019 14:20

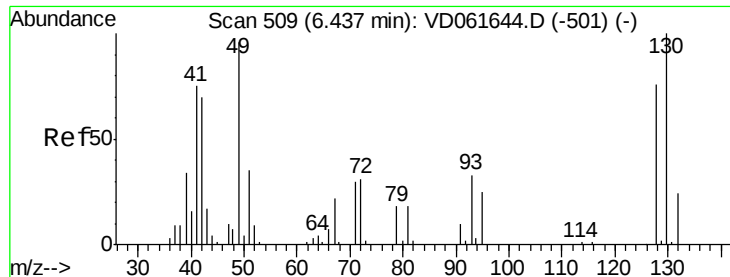
Tgt Ion: 78 Resp: 393480

Ion Ratio Lower Upper

78 100

77 24.5 19.5 29.3

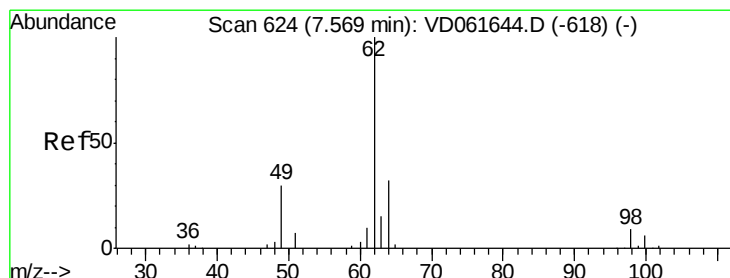
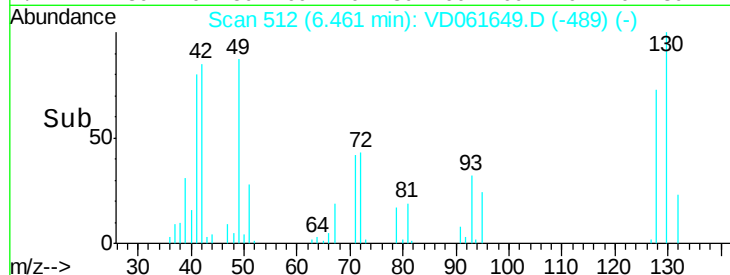
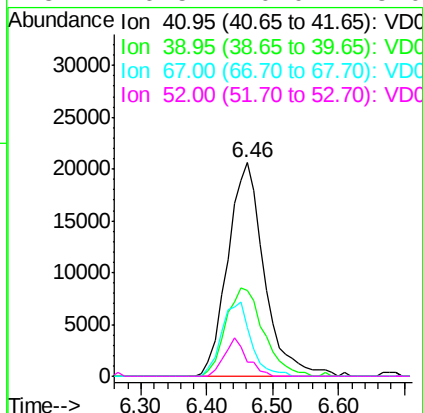
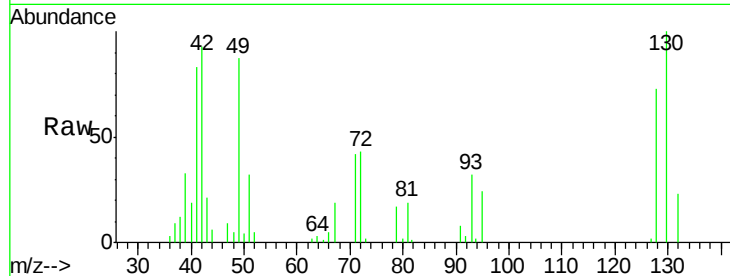




#41
Methacrylonitrile
Concen: 18.313 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

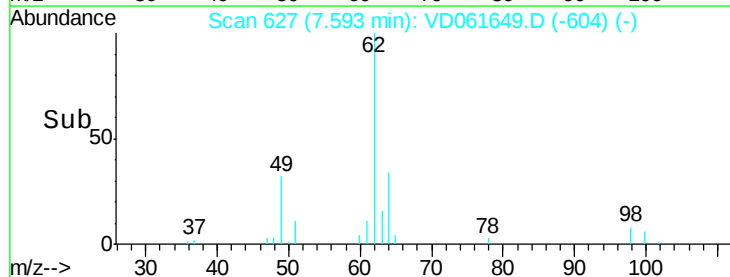
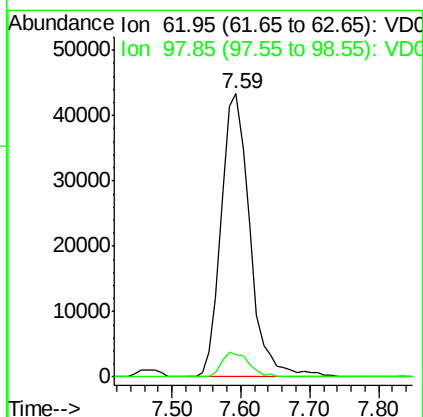
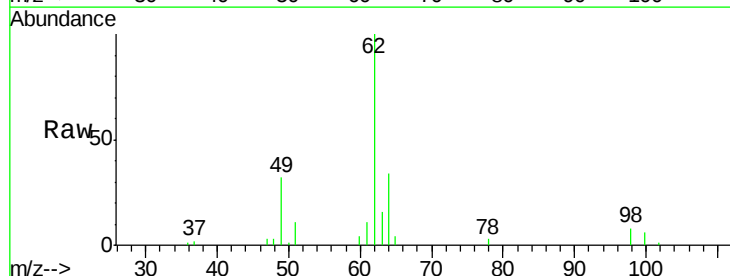
Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

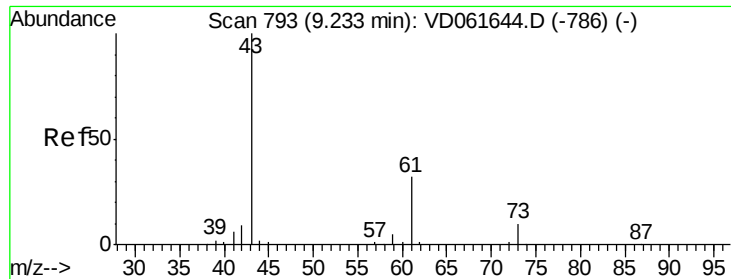
Tot Ion: 41 Resp: 79861
Ion Ratio Lower Upper
41 100
39 40.1 36.2 54.2
67 23.0 23.2 34.8#
52 6.5 10.0 15.0#



#42
1,2-Dichloroethane
Concen: 18.050 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.02 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Tgt Ion: 62 Resp: 125603
Ion Ratio Lower Upper
62 100
98 8.1 0.0 17.8



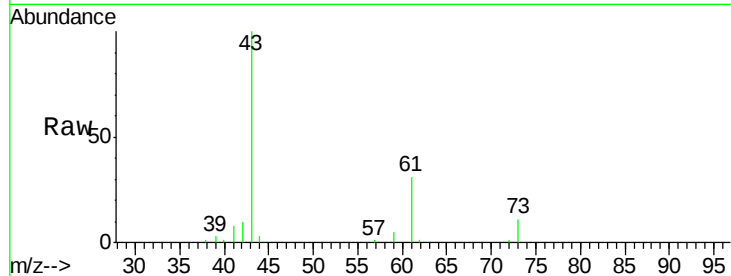


#43

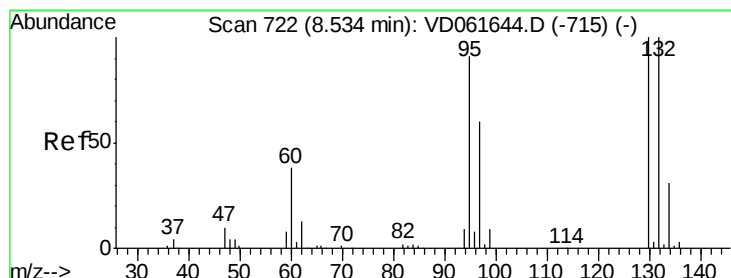
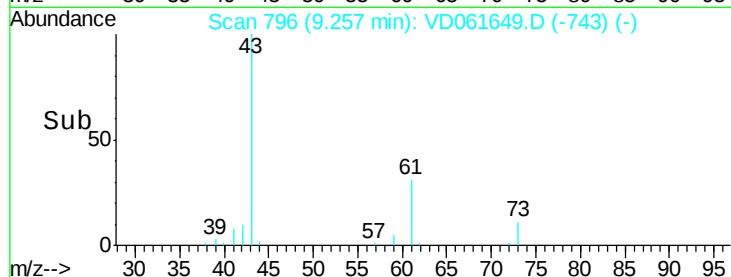
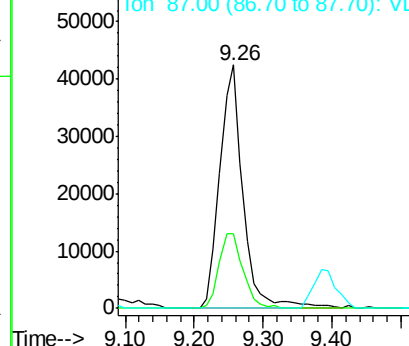
Isopropyl Acetate
 Concen: 18.374 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.02 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0408SBS01

Tot Ion: 43 Resp: 99616
 Ion Ratio Lower Upper
 43 100
 61 30.8 25.9 38.9
 87 0.0 0.2 0.4#



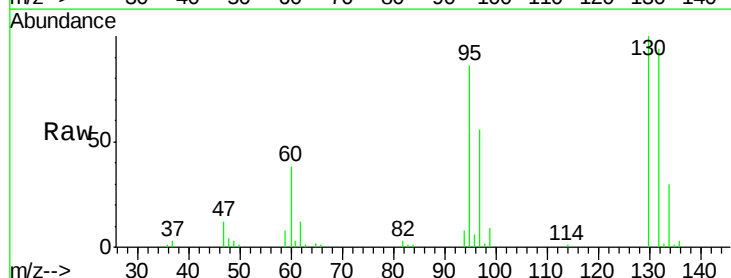
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



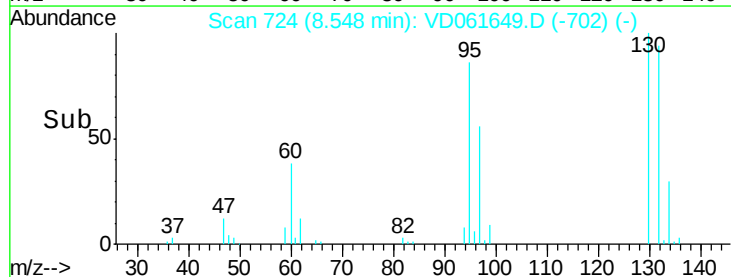
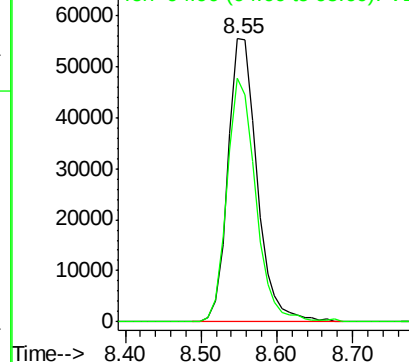
#44

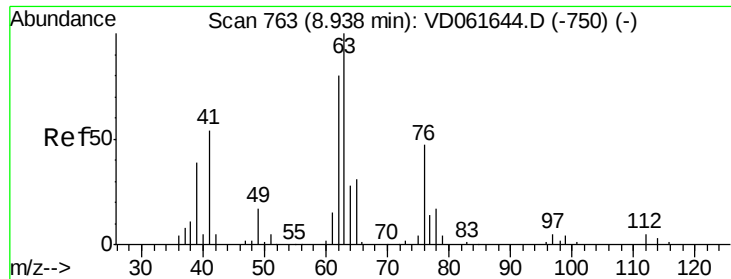
Trichloroethene
 Concen: 17.449 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Tgt Ion: 130 Resp: 148013
 Ion Ratio Lower Upper
 130 100
 95 86.3 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 17.964 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

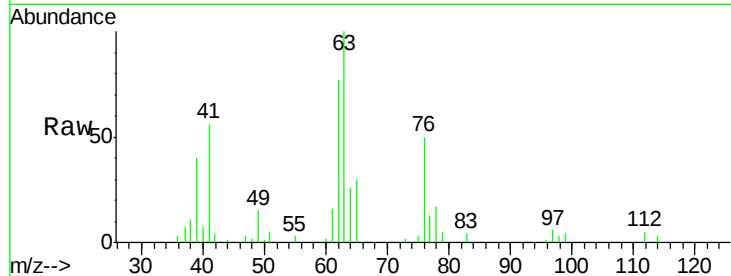
VD0408SBS01

Tot Ion: 63 Resp: 98573

Ion Ratio Lower Upper

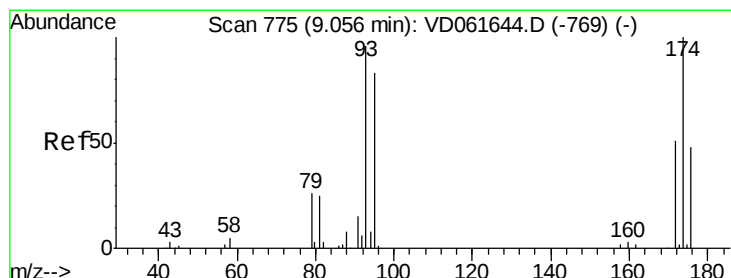
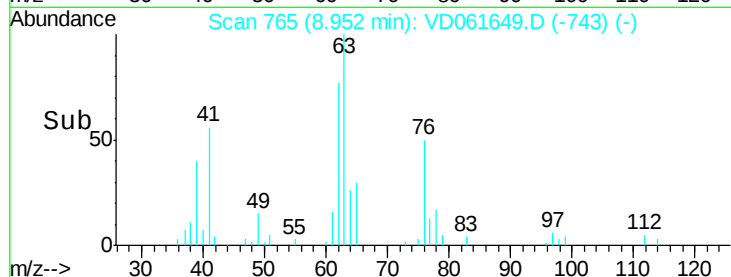
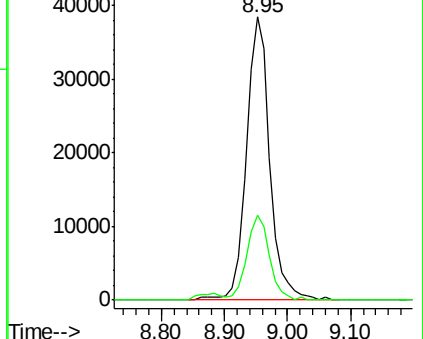
63 100

65 29.9 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 17.875 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

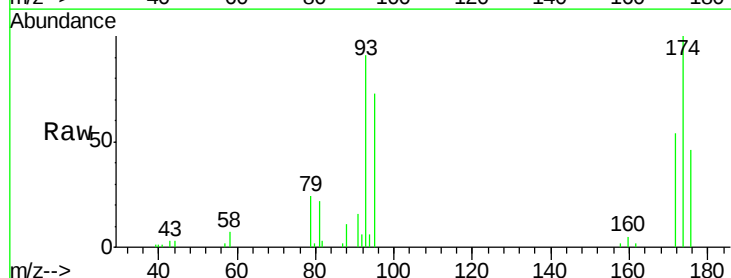
Tgt Ion: 93 Resp: 70098

Ion Ratio Lower Upper

93 100

95 80.0 68.6 103.0

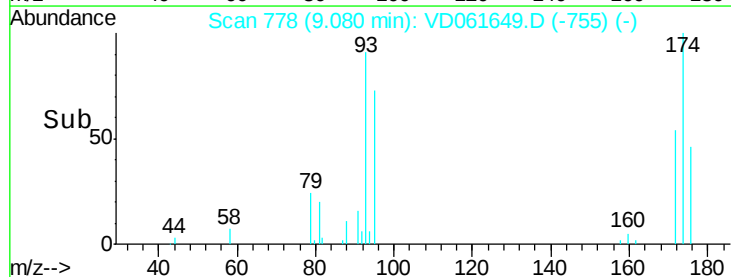
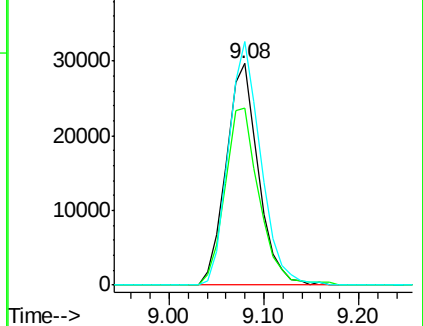
174 109.9 83.0 124.4

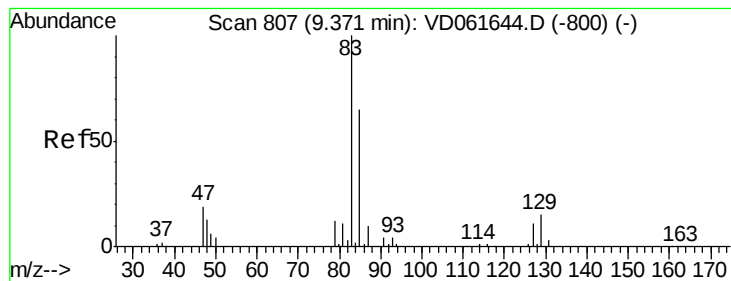


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 17.869 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBS01

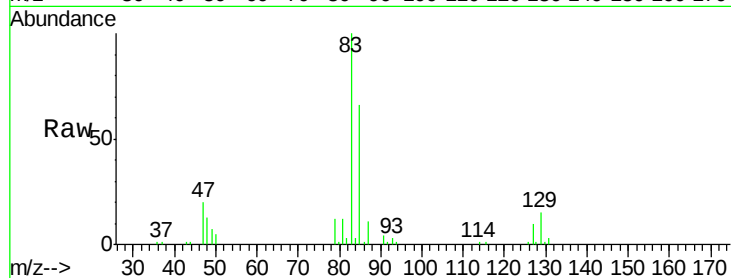
Tot Ion: 83 Resp: 153904

Ion Ratio Lower Upper

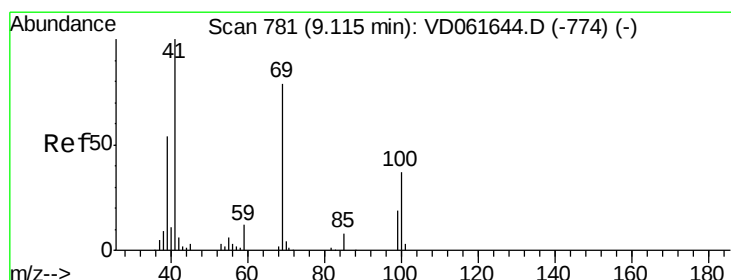
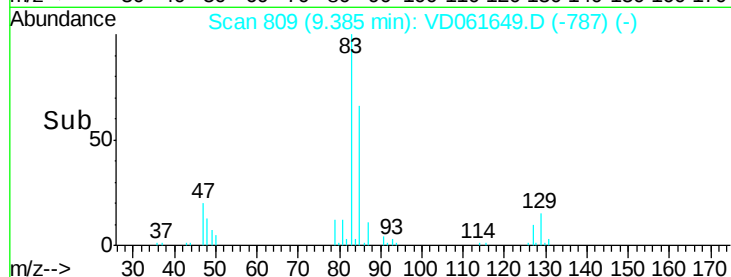
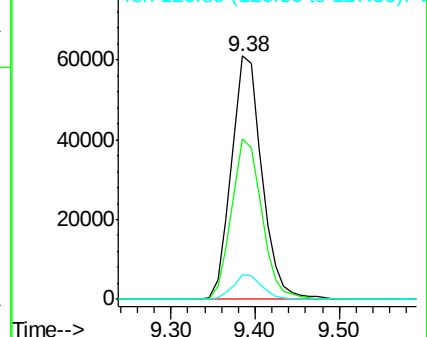
83 100

85 66.0 51.8 77.6

127 10.0 9.0 13.6



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



#48

Methyl methacrylate

Concen: 17.403 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

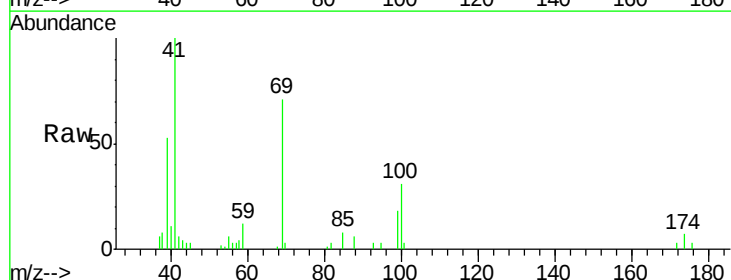
Tgt Ion: 41 Resp: 54389

Ion Ratio Lower Upper

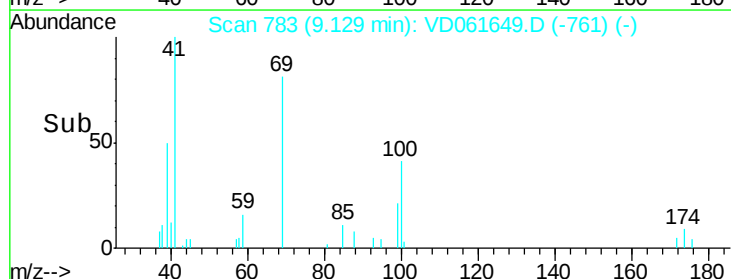
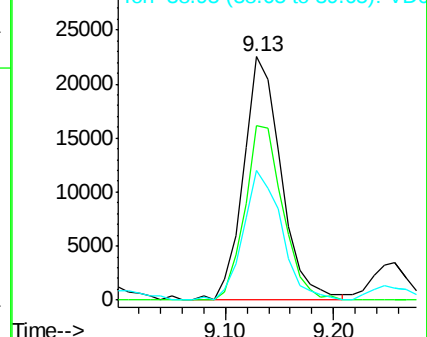
41 100

69 71.5 63.1 94.7

39 53.4 43.8 65.8



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

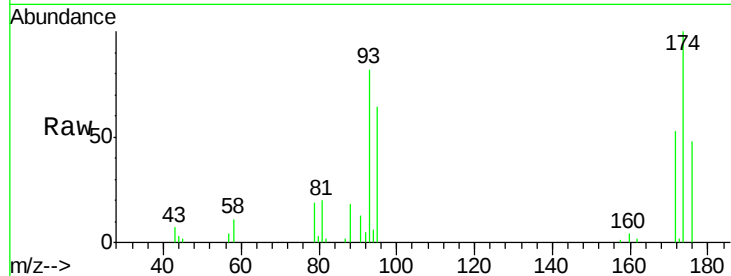




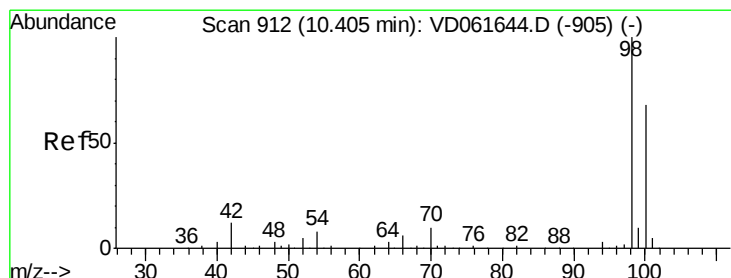
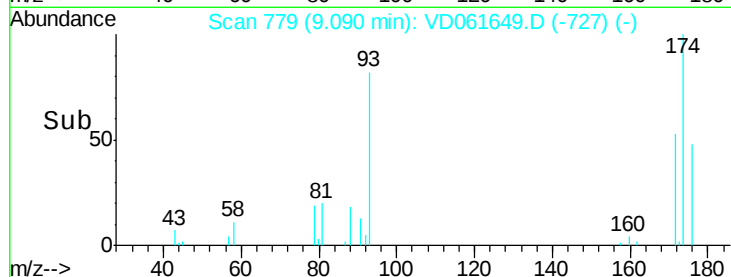
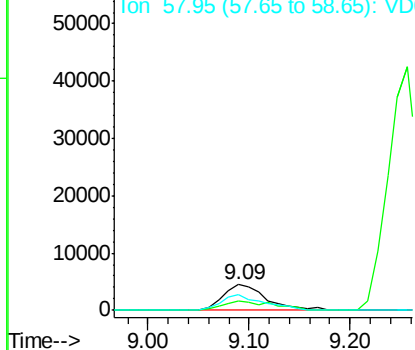
#49
1,4-Dioxane
Concen: 388.804 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

Tot Ion: 88 Resp: 13412
Ion Ratio Lower Upper
88 100
43 35.7 21.8 32.8#
58 60.6 40.2 60.2#

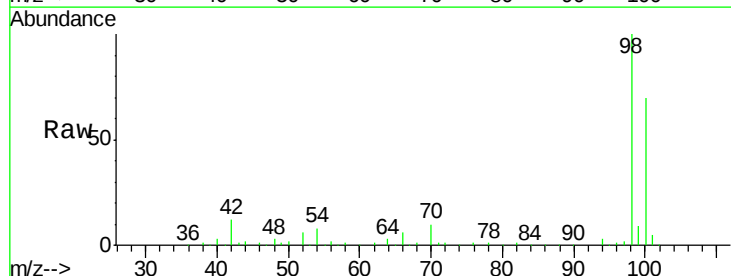


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

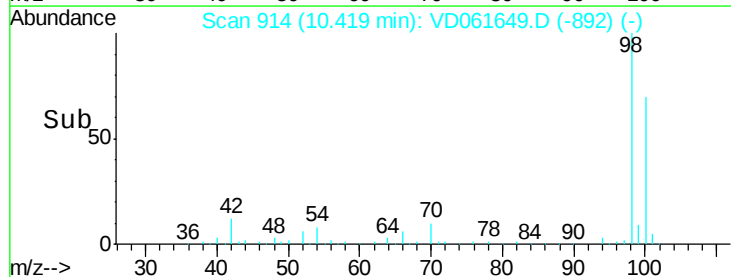
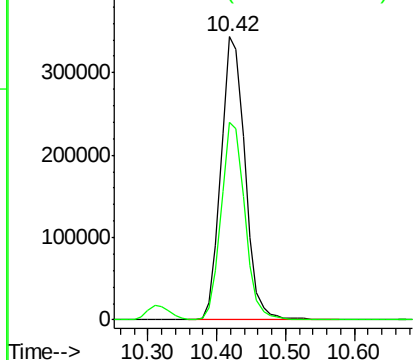


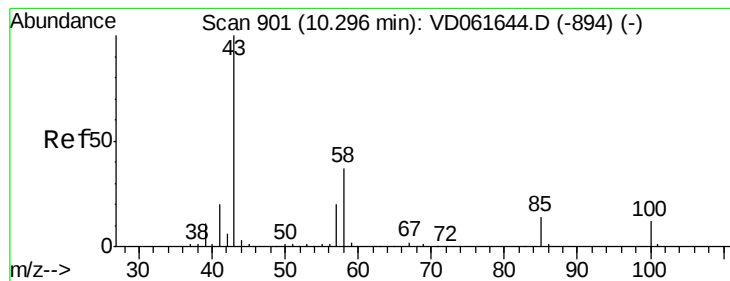
#50
Toluene-d8
Concen: 388.804 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Tgt Ion: 98 Resp: 831751
Ion Ratio Lower Upper
98 100
100 69.8 55.4 83.0



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





#51

4-Methyl-2-Pentanone

Concen: 97.417 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

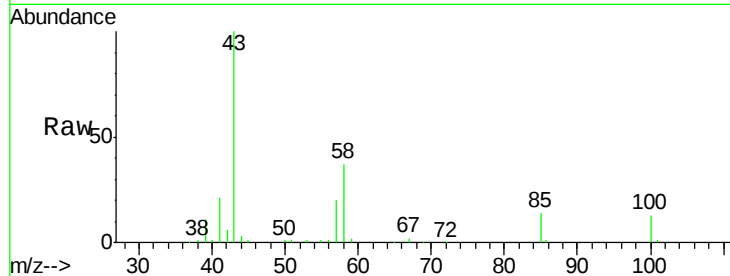
VD0408SBS01

Tot Ion: 43 Resp: 312347

Ion Ratio Lower Upper

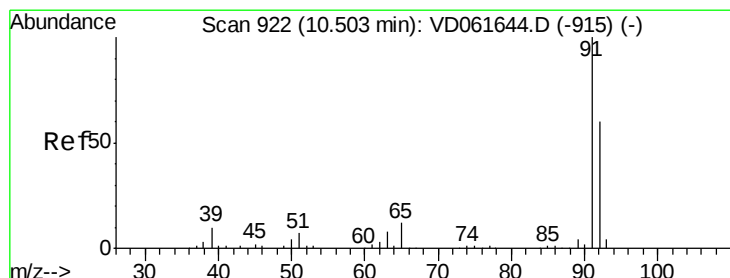
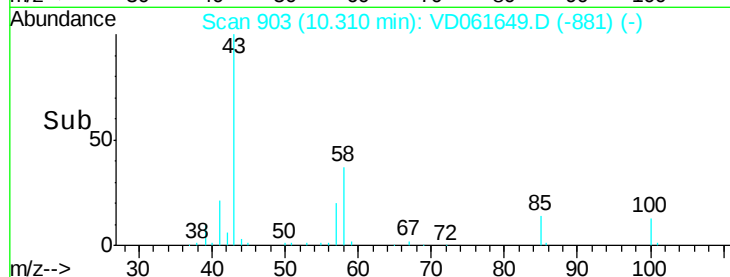
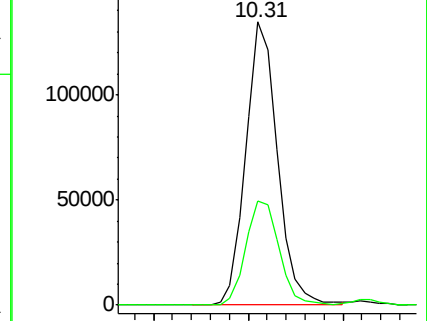
43 100

58 36.7 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 17.166 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD061649.D

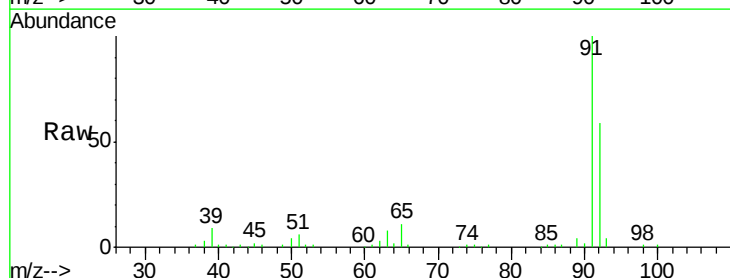
Acq: 8 Apr 2019 14:20

Tgt Ion: 92 Resp: 237177

Ion Ratio Lower Upper

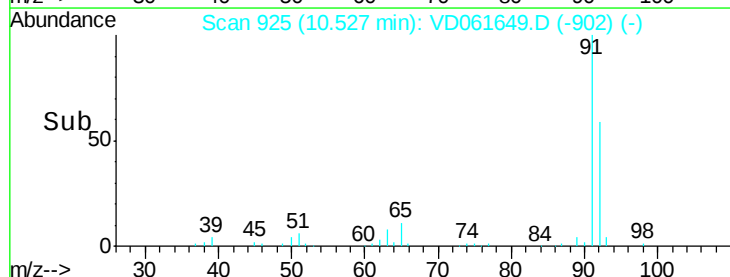
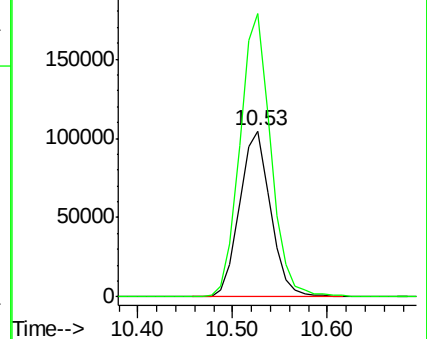
92 100

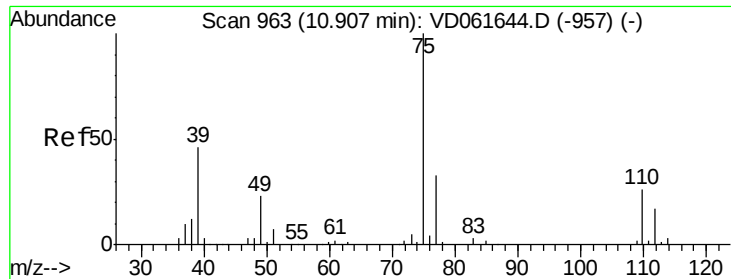
91 170.4 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

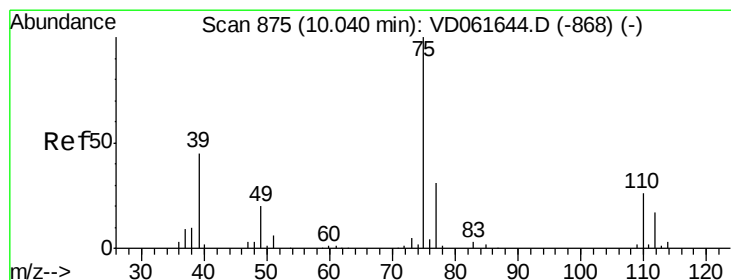
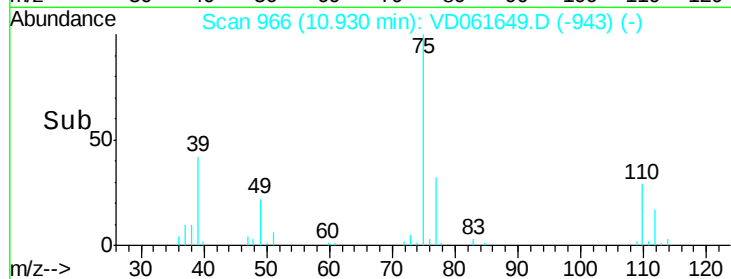
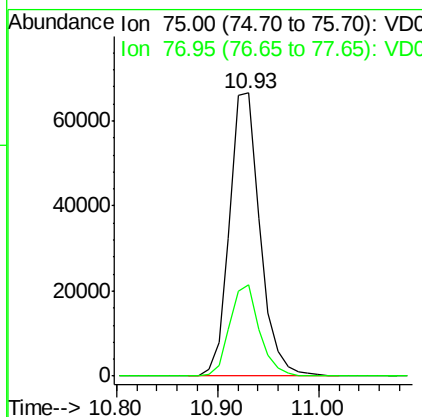
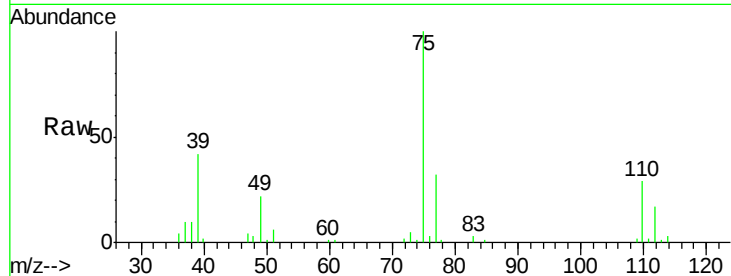




#53
 t-1,3-Dichloropropene
 Concen: 18.491 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

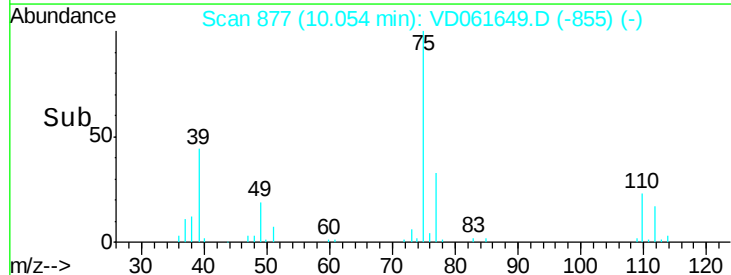
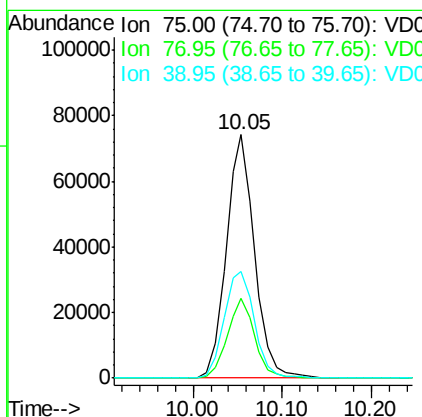
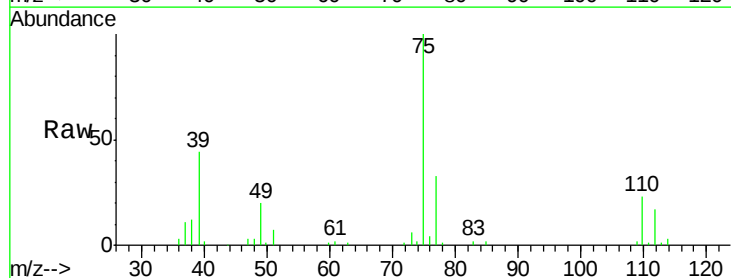
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

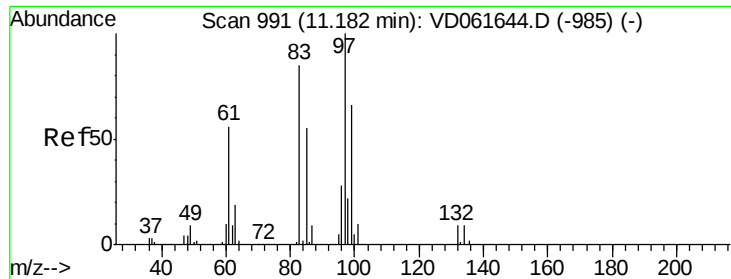
Tot Ion: 75 Resp: 139609
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 17.648 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Tgt Ion: 75 Resp: 164252
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.6 37.0
 39 43.6 36.2 54.2



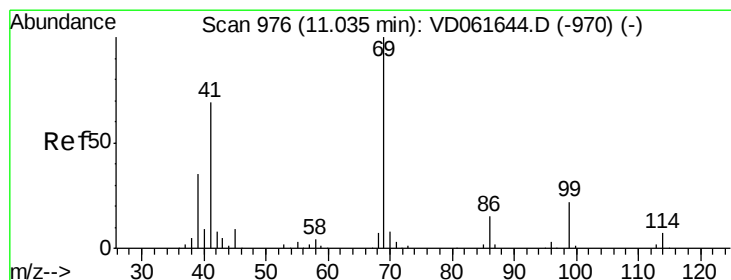
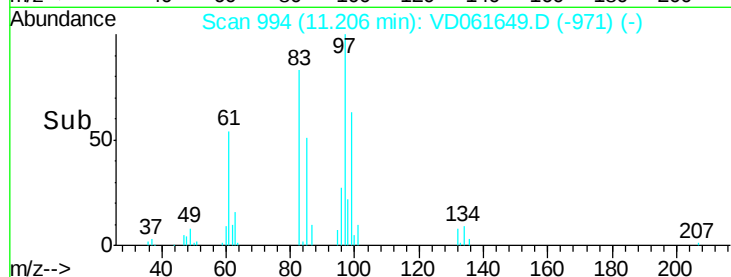
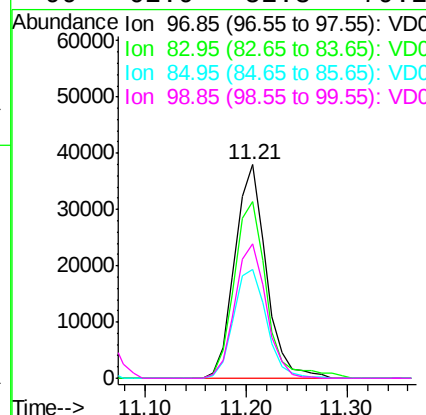
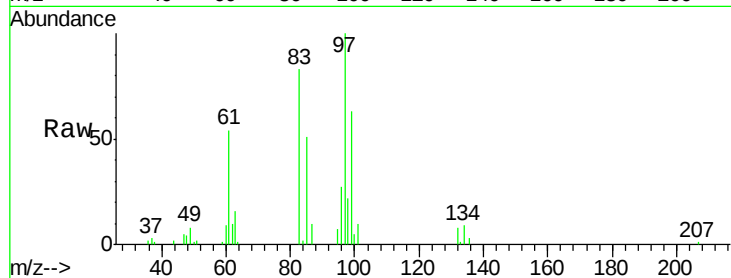


#55
 1,1,2-Trichloroethane
 Concen: 17.661 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.02 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

Tot Ion: 97 Resp: 82297

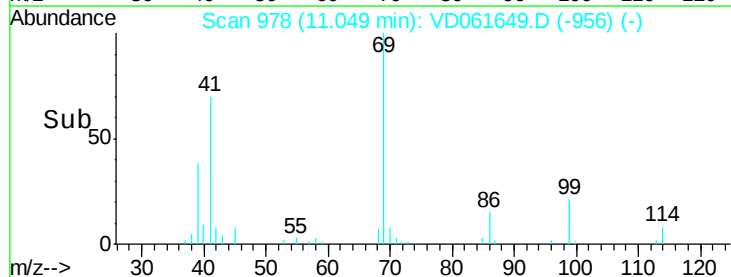
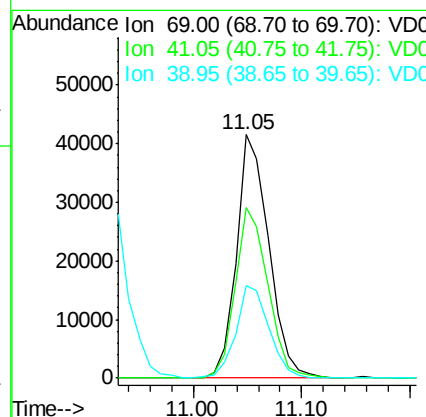
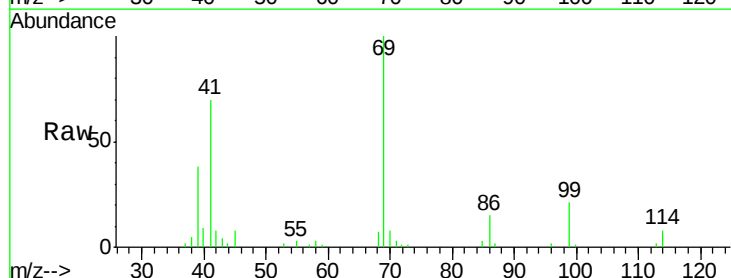
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.8	101.6
85	50.7	43.8	65.8
99	62.9	52.8	79.2

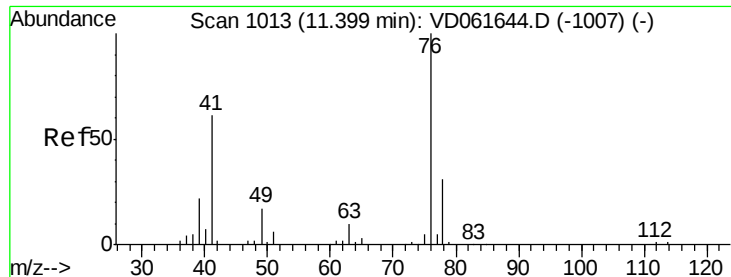


#56
 Ethyl methacrylate
 Concen: 17.542 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Tgt Ion: 69 Resp: 86234

Ion	Ratio	Lower	Upper
69	100		
41	69.9	55.2	82.8
39	37.8	28.6	43.0

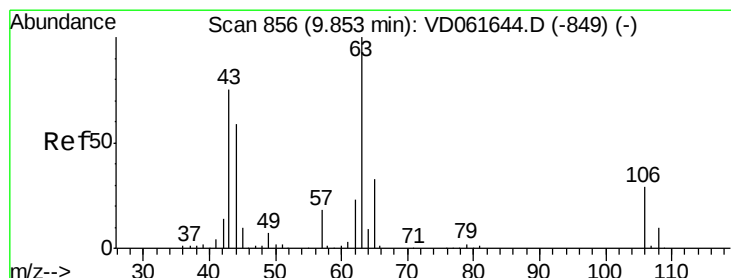
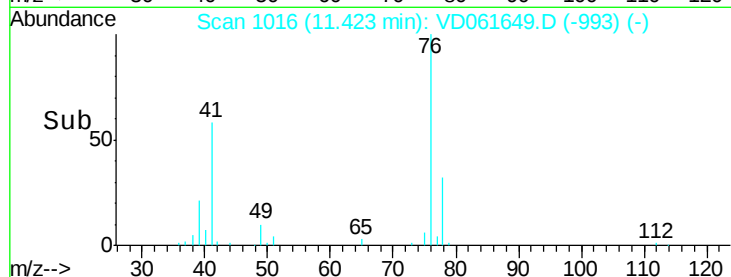
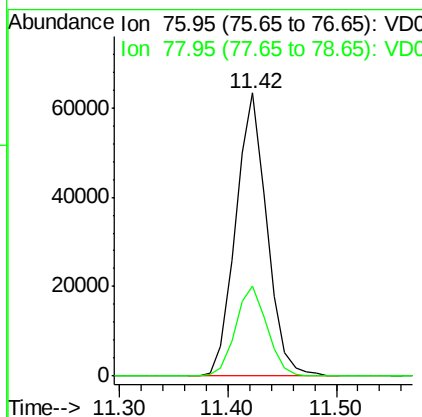
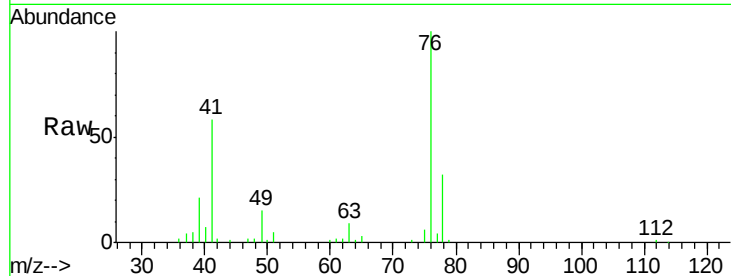




#57
 1,3-Dichloropropane
 Concen: 18.457 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

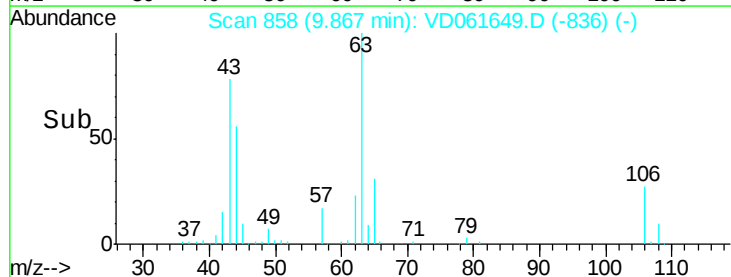
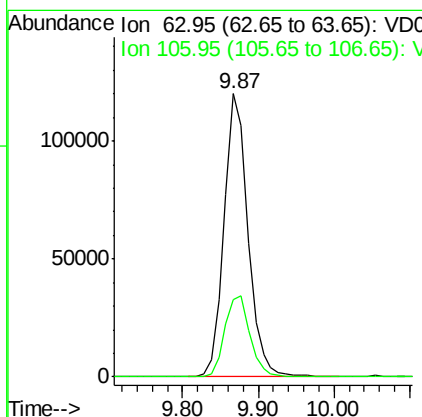
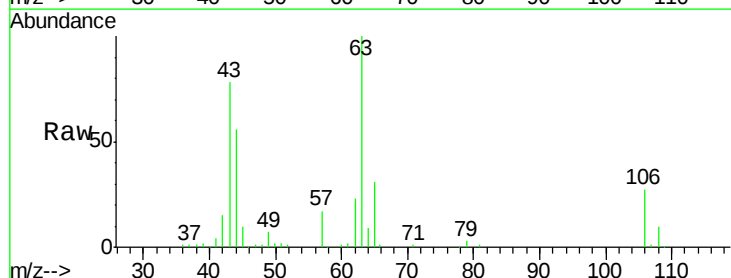
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

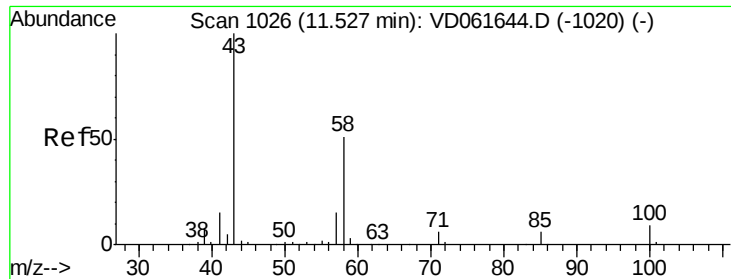
Tot Ion: 76 Resp: 125953
 Ion Ratio Lower Upper
 76 100
 78 32.0 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.222 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Tgt Ion: 63 Resp: 262621
 Ion Ratio Lower Upper
 63 100
 106 27.1 23.0 34.6

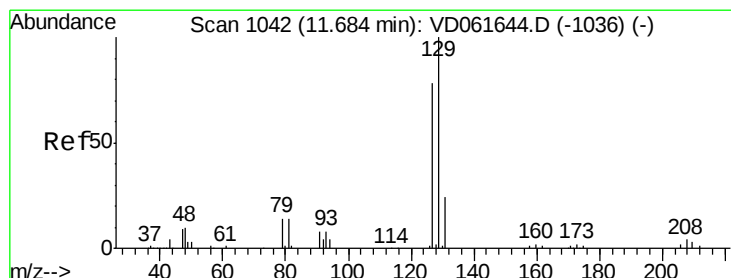
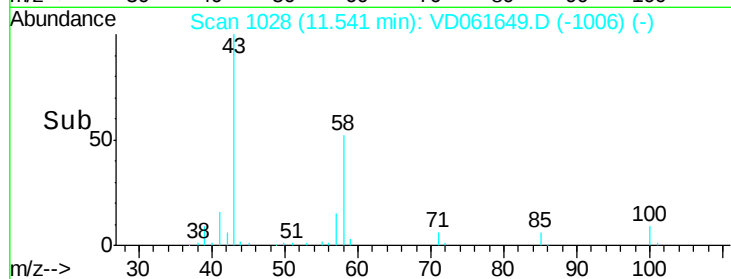
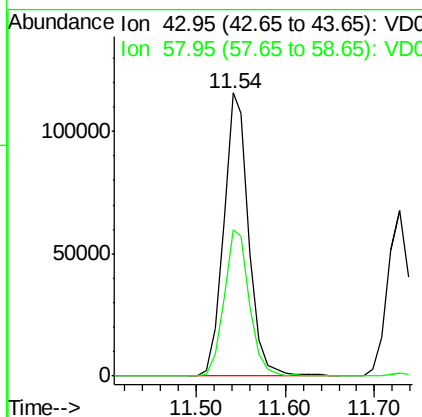
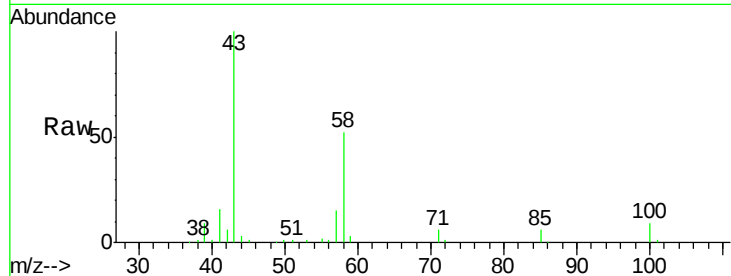




#59
2-Hexanone
Concen: 91.407 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

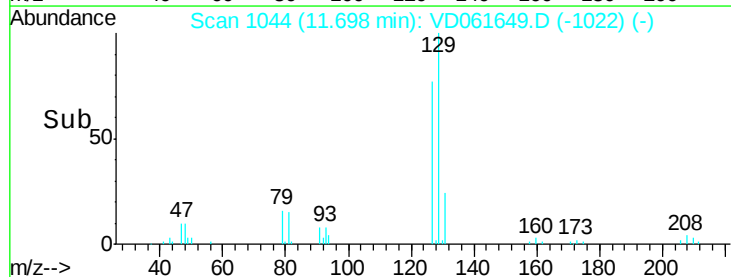
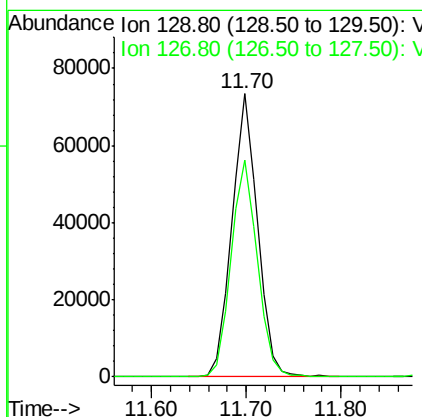
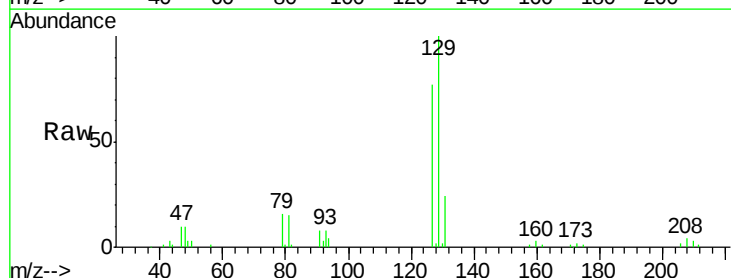
Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

Tot Ion: 43 Resp: 227452
Ion Ratio Lower Upper
43 100
58 51.5 25.6 76.8



#60
Dibromochloromethane
Concen: 18.700 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Tgt Ion: 129 Resp: 137676
Ion Ratio Lower Upper
129 100
127 76.5 38.8 116.4

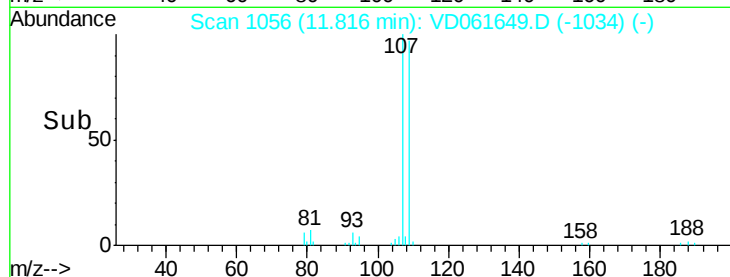
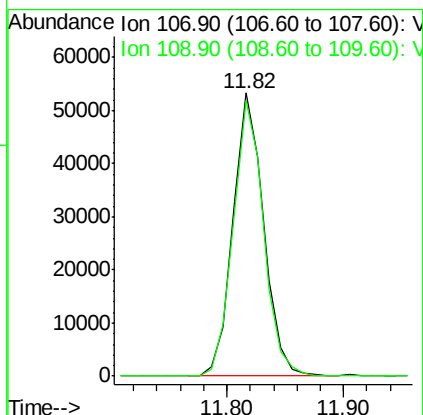
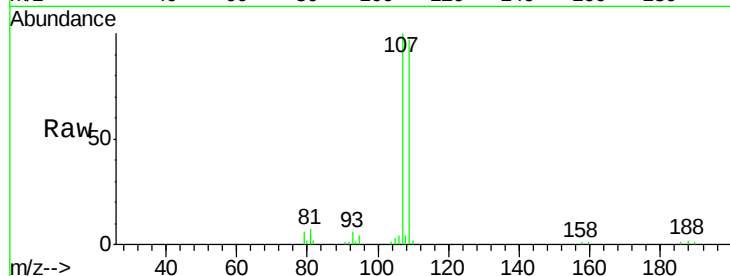




#61
 1,2-Dibromoethane
 Concen: 17.773 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

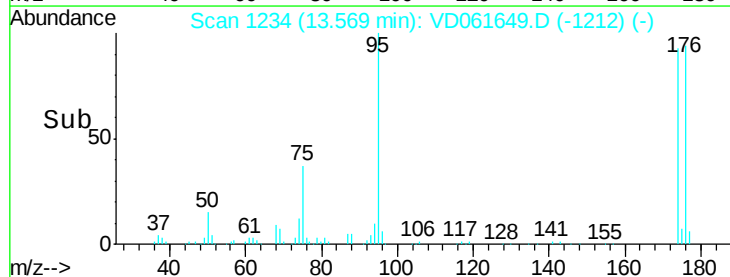
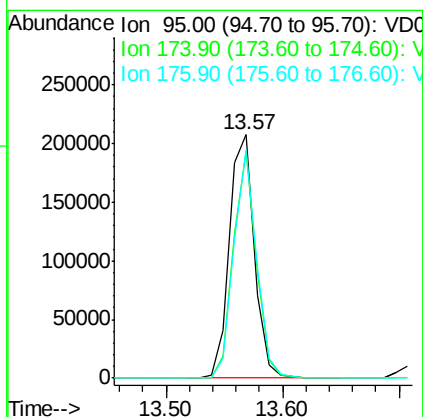
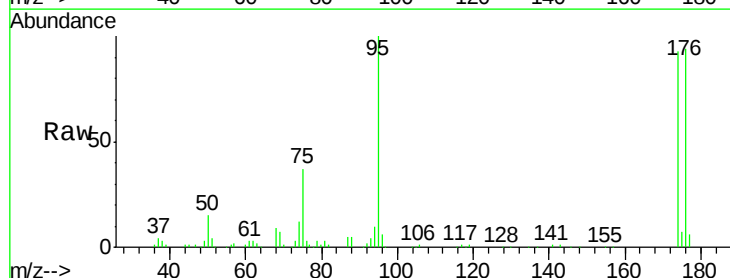
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

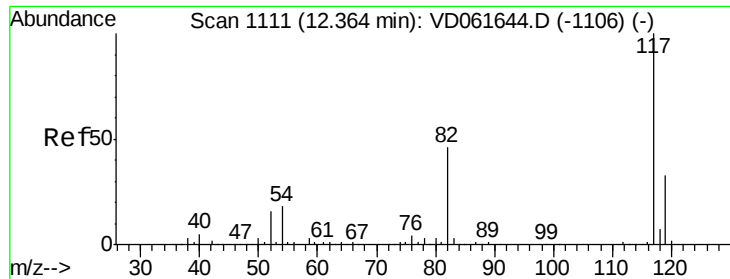
Tot Ion: 107 Resp: 96858
 Ion Ratio Lower Upper
 107 100
 109 97.4 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 17.773 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Tgt Ion: 95 Resp: 307148
 Ion Ratio Lower Upper
 95 100
 174 93.4 0.0 164.6
 176 93.7 0.0 165.0

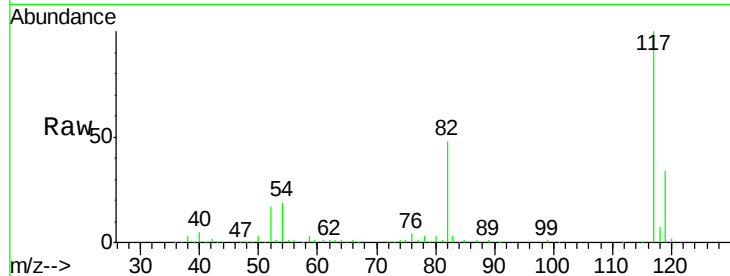




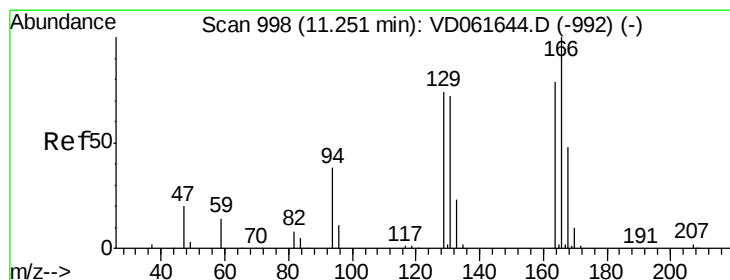
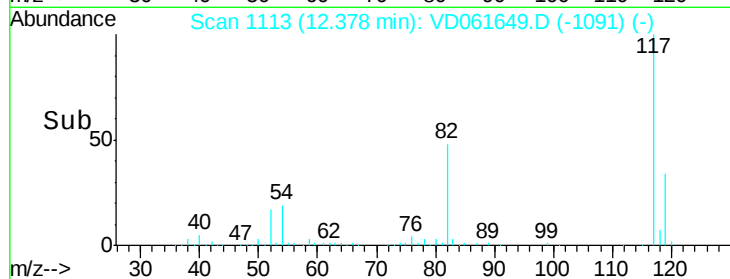
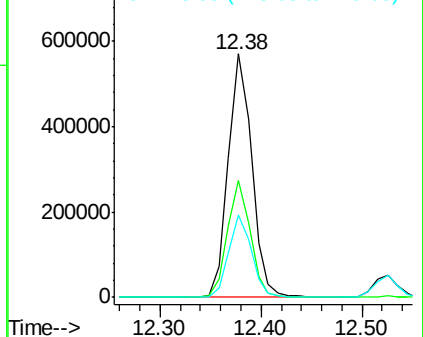
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

Tot Ion:117 Resp: 926797
Ion Ratio Lower Upper
117 100
82 48.1 36.8 55.2
119 33.6 26.1 39.1

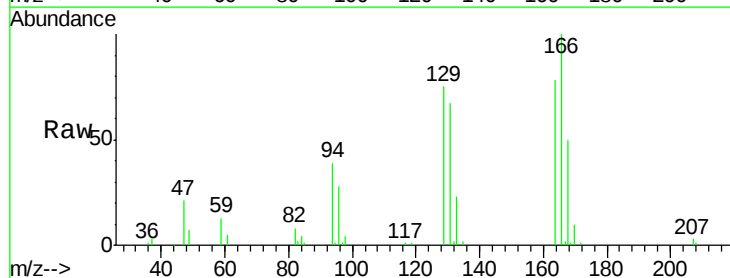


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

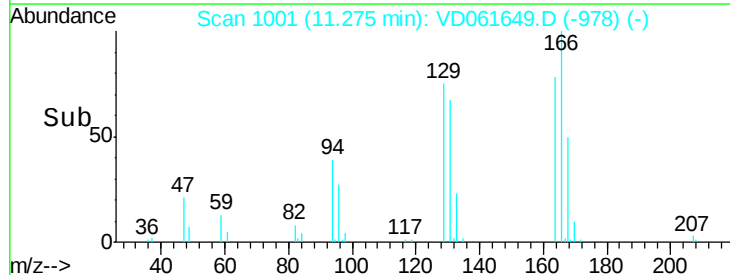
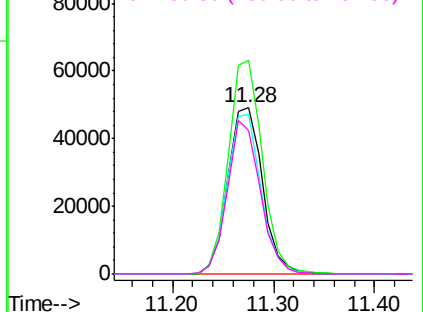


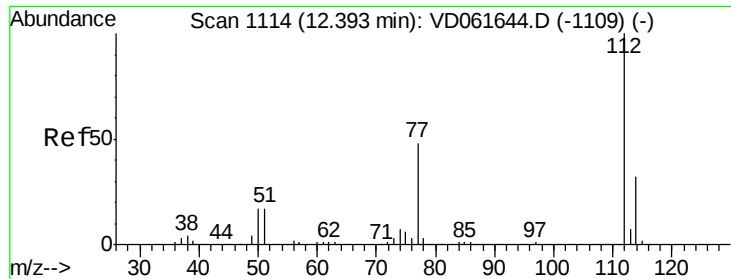
#64
Tetrachloroethene
Concen: 16.370 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Tgt Ion:164 Resp: 117770
Ion Ratio Lower Upper
164 100
166 128.4 101.8 152.8
129 96.4 75.4 113.0
131 86.0 73.6 110.4



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

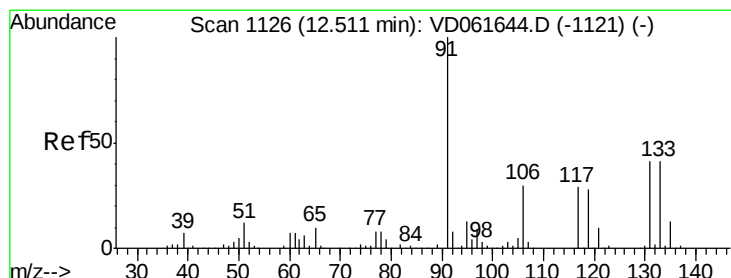
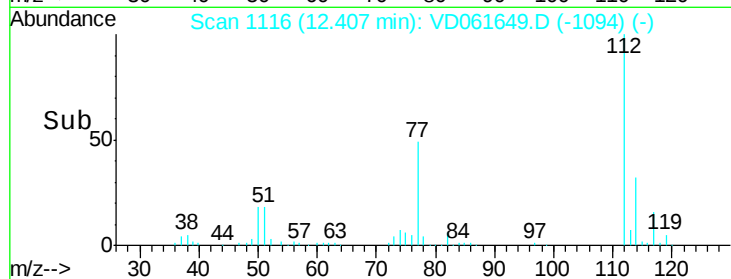
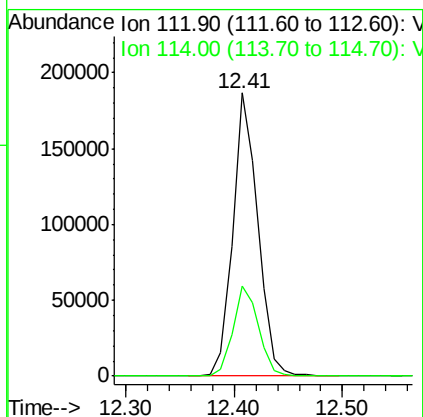
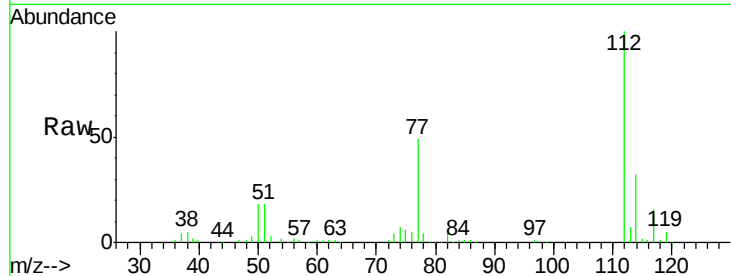




#65
Chlorobenzene
Concen: 16.299 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

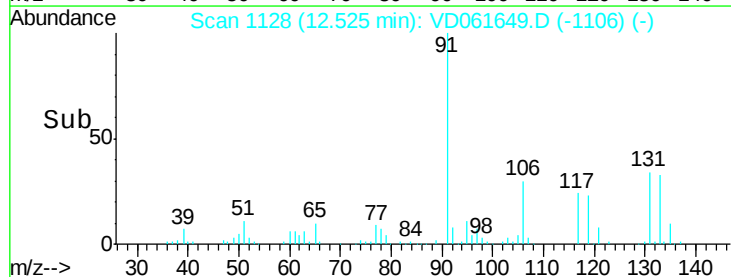
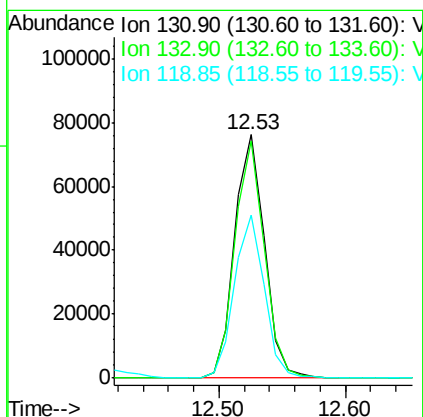
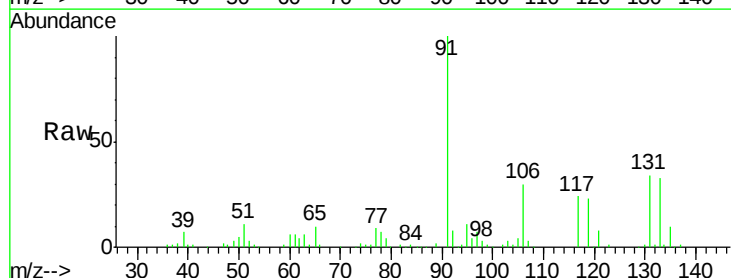
Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

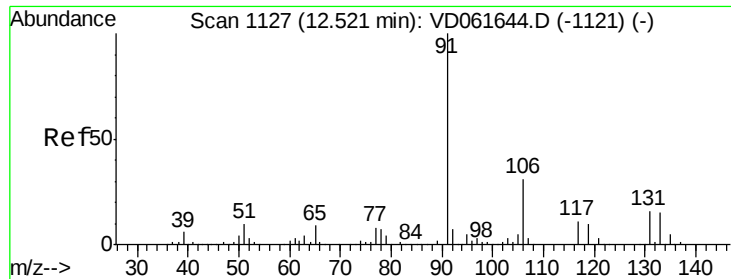
Tot Ion:112 Resp: 299564
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 17.595 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Tgt Ion:131 Resp: 124437
Ion Ratio Lower Upper
131 100
133 97.4 49.5 148.3
119 66.9 34.7 104.1

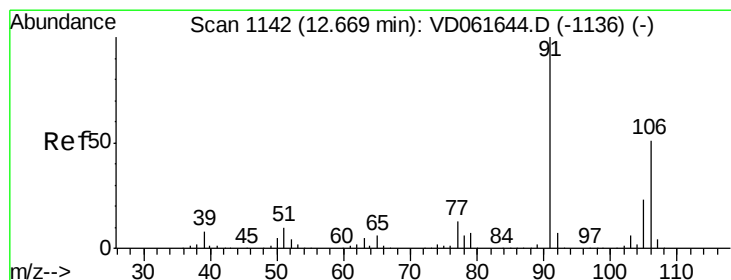
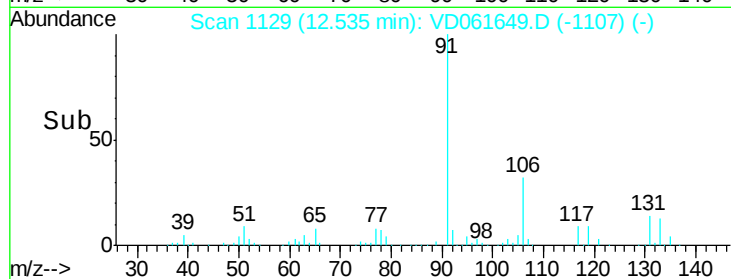
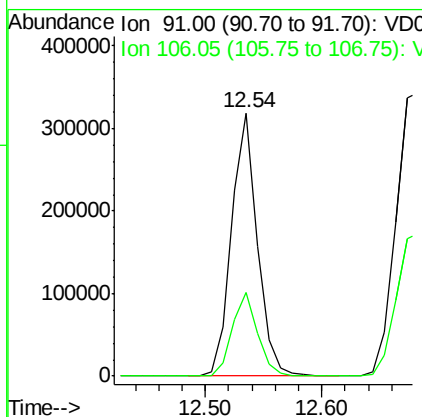
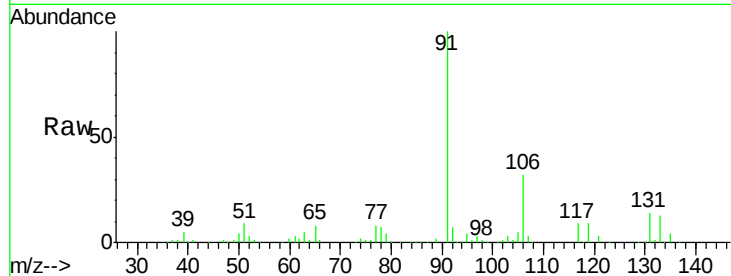




#67
Ethyl Benzene
Concen: 17.453 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

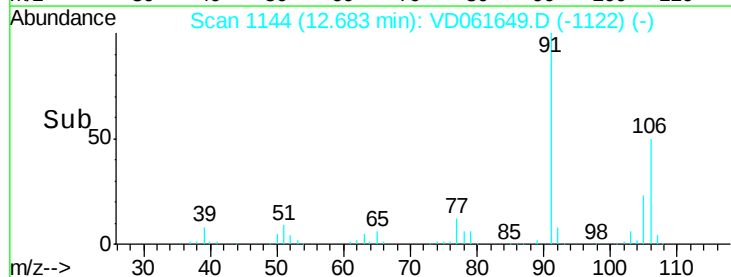
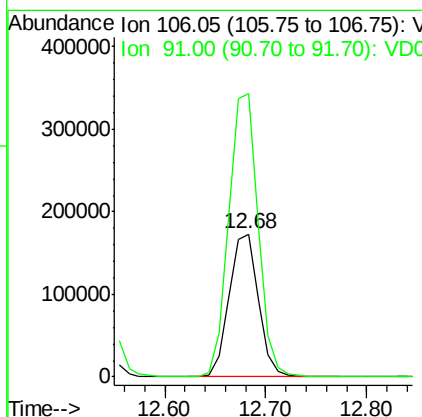
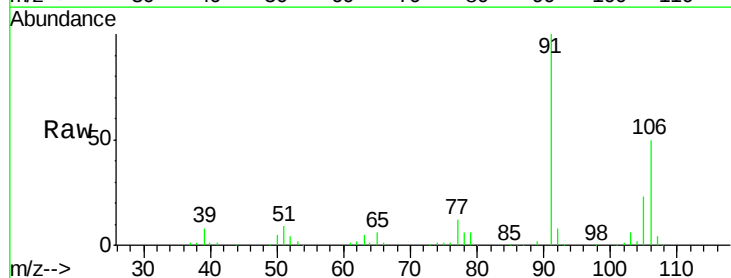
Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

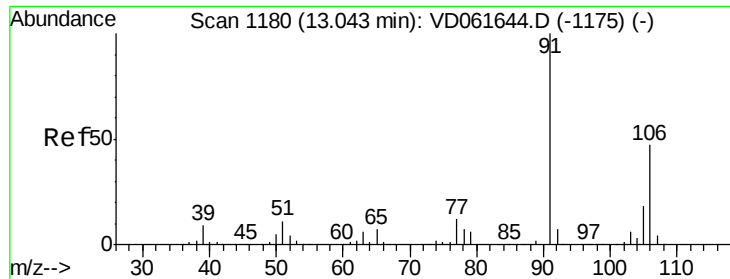
Tot Ion: 91 Resp: 488472
Ion Ratio Lower Upper
91 100
106 31.8 24.6 37.0



#68
m/p-Xylenes
Concen: 32.024 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Tgt Ion: 106 Resp: 345543
Ion Ratio Lower Upper
106 100
91 198.2 156.7 235.1

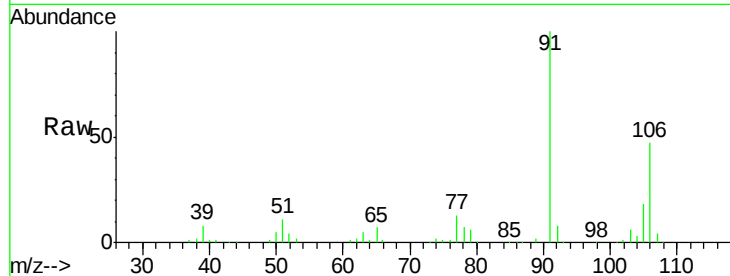




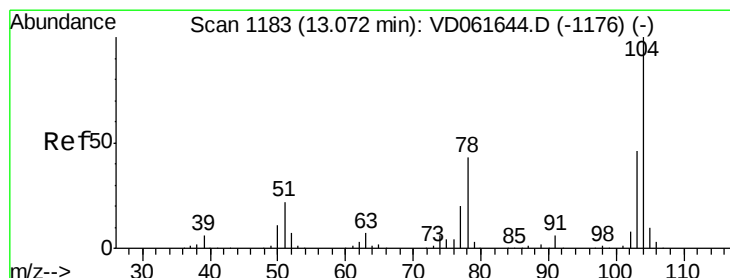
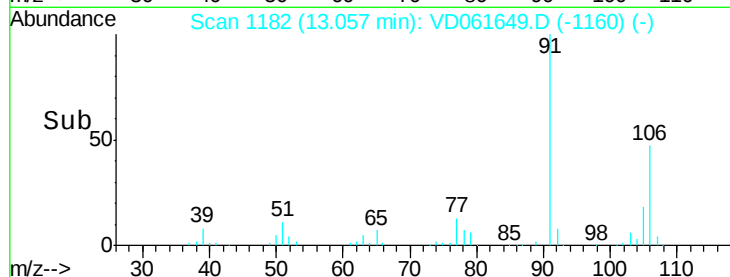
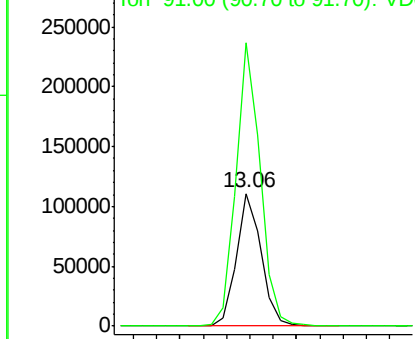
#69
o-Xylene
Concen: 15.622 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

Tot Ion:106 Resp: 162709
Ion Ratio Lower Upper
106 100
91 213.5 107.3 321.9

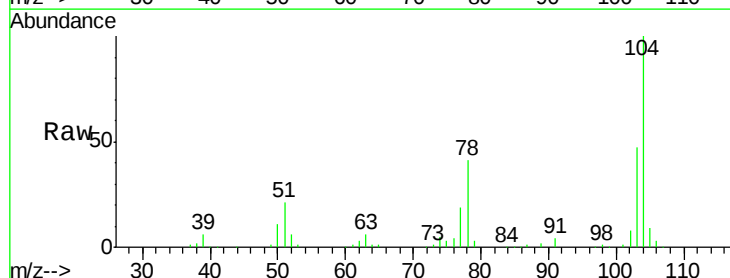


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

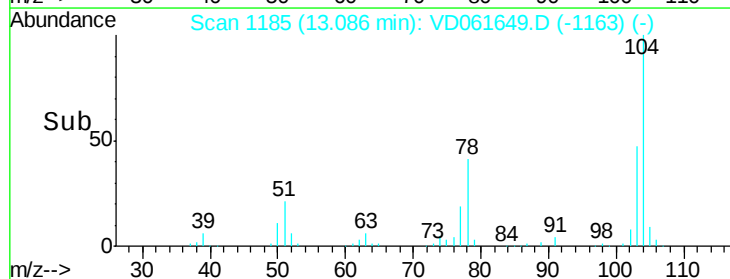
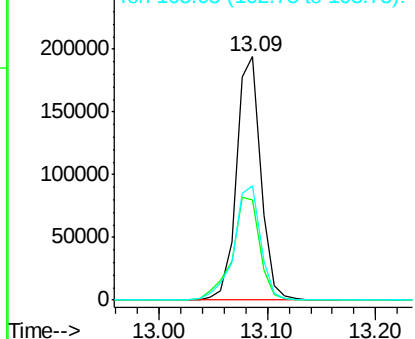


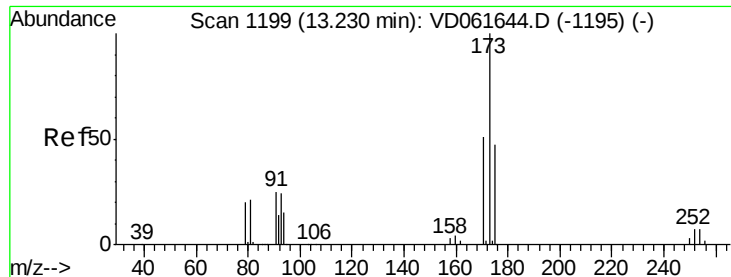
#70
Styrene
Concen: 17.049 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Tgt Ion:104 Resp: 303271
Ion Ratio Lower Upper
104 100
78 41.0 34.2 51.4
103 46.8 37.2 55.8



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: 16.606 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBS01

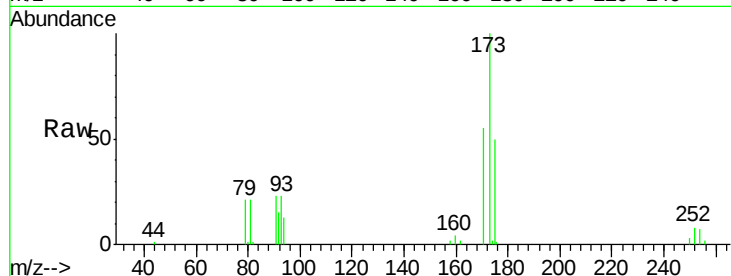
Tot Ion:173 Resp: 72870

Ion Ratio Lower Upper

173 100

175 50.2 23.7 71.1

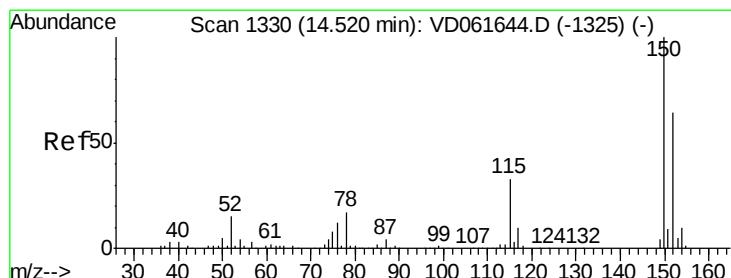
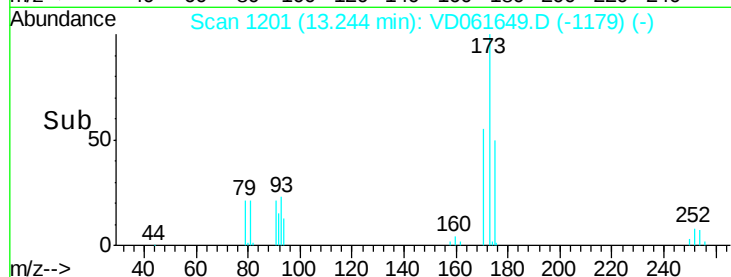
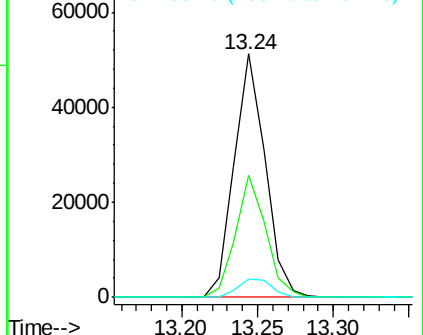
254 7.4 5.8 8.6



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: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

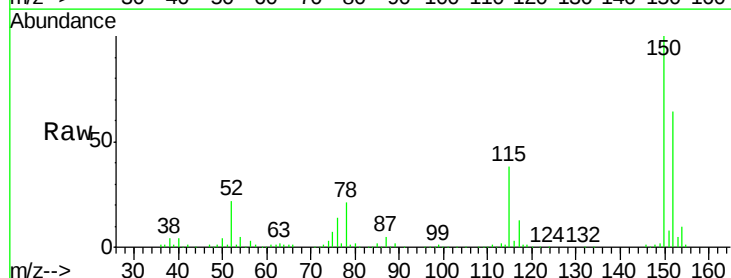
Tgt Ion:152 Resp: 436502

Ion Ratio Lower Upper

152 100

115 59.9 26.4 79.2

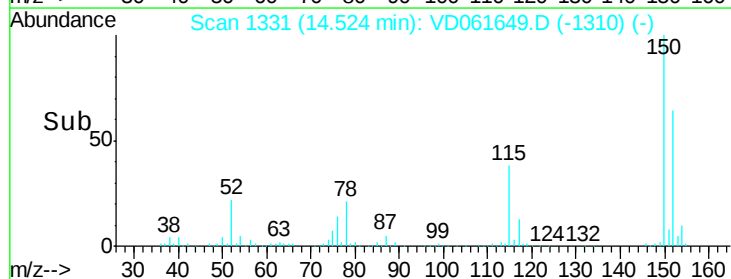
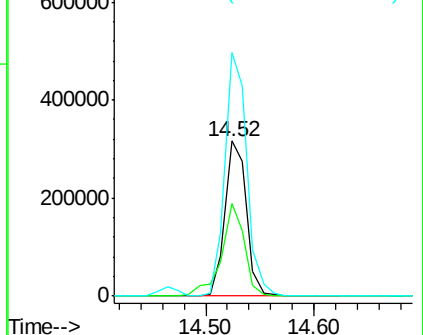
150 157.3 0.0 320.6



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: 16.010 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

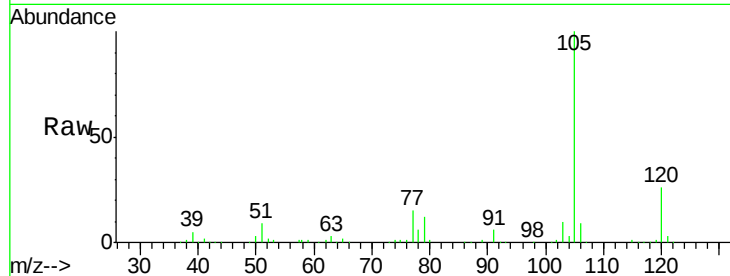
VD0408SBS01

Tot Ion:105 Resp: 465636

Ion Ratio Lower Upper

105 100

120 25.9 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

300000

200000

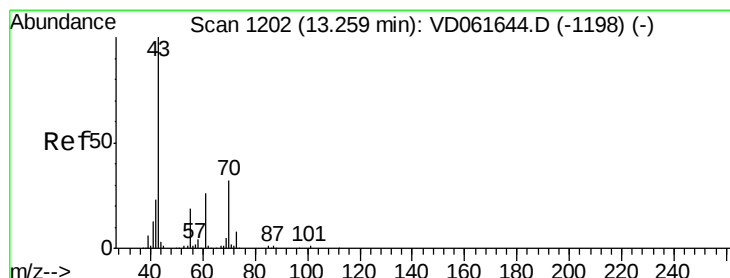
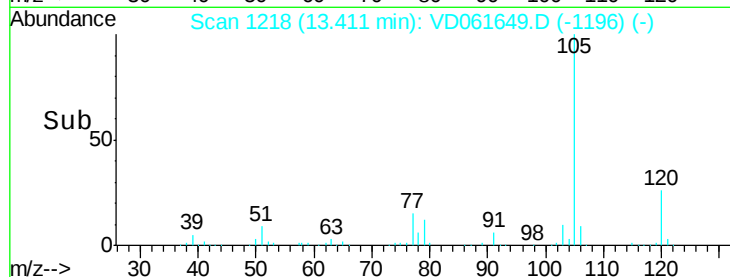
100000

0

Time-->

13.40

13.50



#74

N-ethyl acetate

Concen: 15.919 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Tgt Ion: 43 Resp: 125798

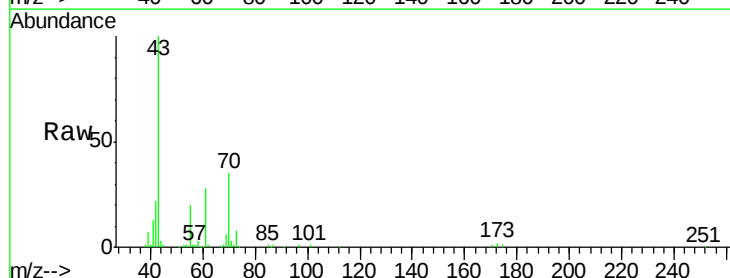
Ion Ratio Lower Upper

43 100

70 35.0 25.4 38.2

55 20.3 15.0 22.4

61 27.9 20.9 31.3



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

150000

100000

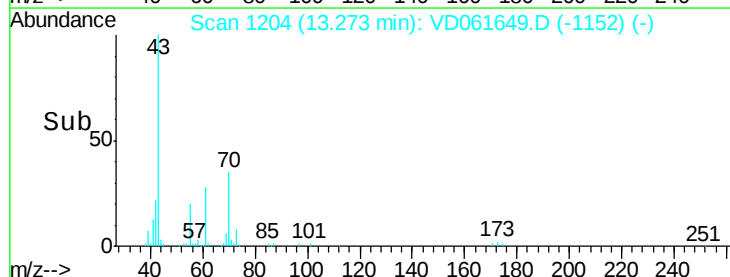
50000

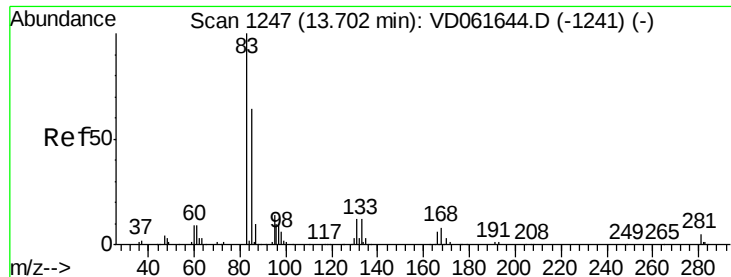
0

Time-->

13.20

13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 16.308 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBS01

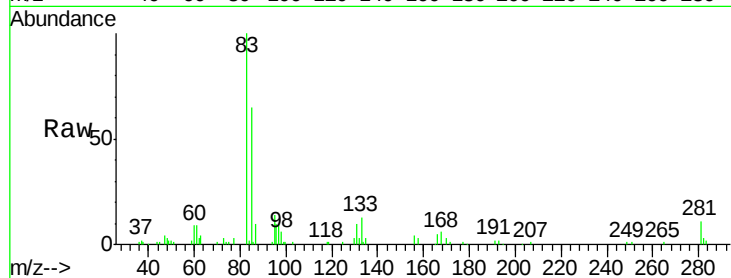
Tot Ion: 83 Resp: 98073

Ion Ratio Lower Upper

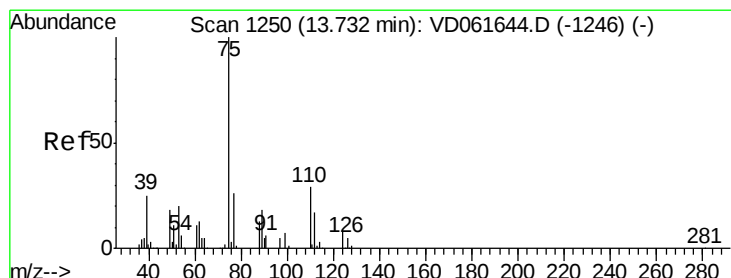
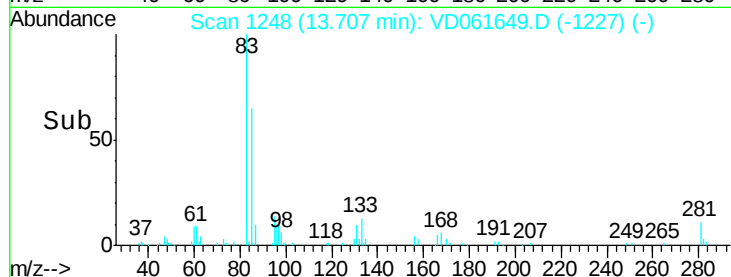
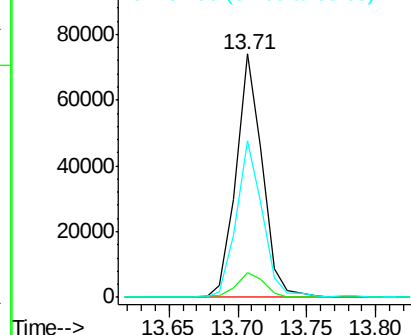
83 100

131 10.2 5.9 17.6

85 64.5 32.0 96.2



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: 16.081 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VD061649.D

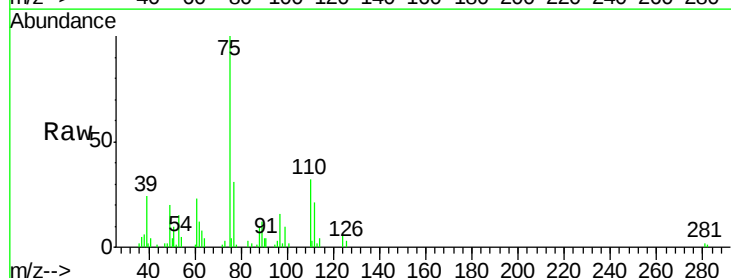
Acq: 8 Apr 2019 14:20

Tgt Ion: 75 Resp: 95500

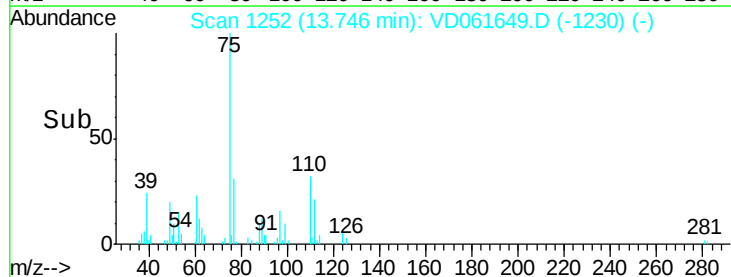
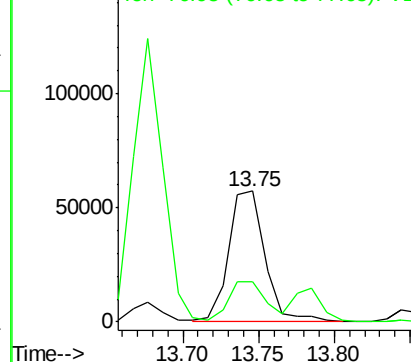
Ion Ratio Lower Upper

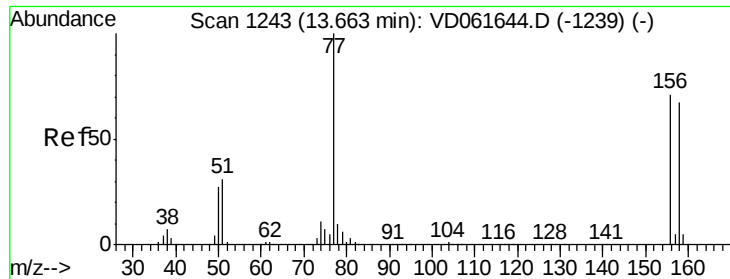
75 100

77 30.8 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 16.879 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBS01

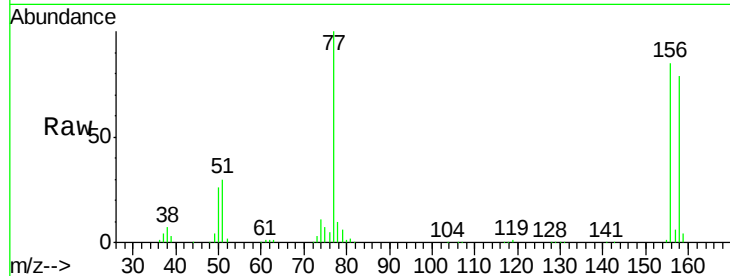
Tot Ion:156 Resp: 142495

Ion Ratio Lower Upper

156 100

77 118.3 70.3 210.8

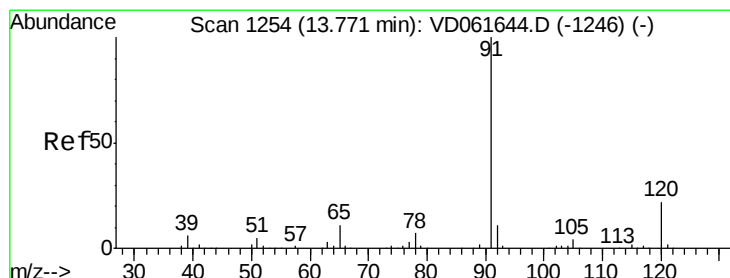
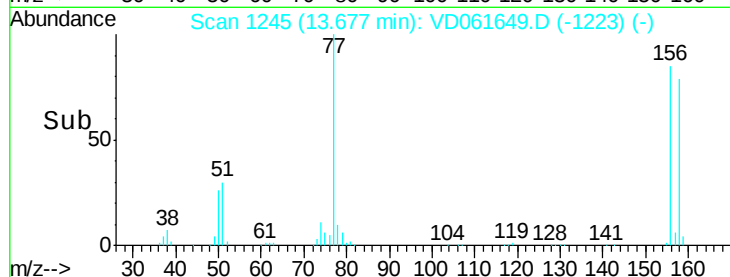
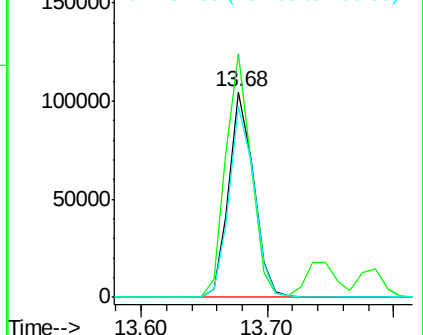
158 93.1 47.4 142.2



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: 16.186 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD061649.D

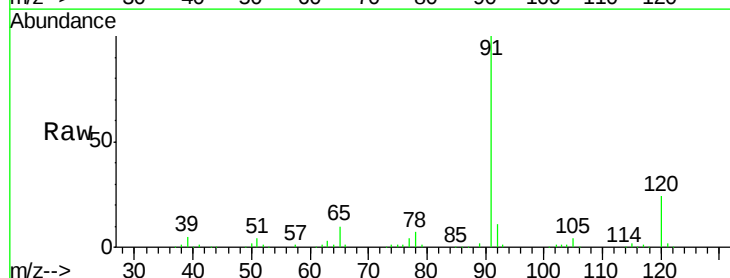
Acq: 8 Apr 2019 14:20

Tgt Ion: 91 Resp: 563129

Ion Ratio Lower Upper

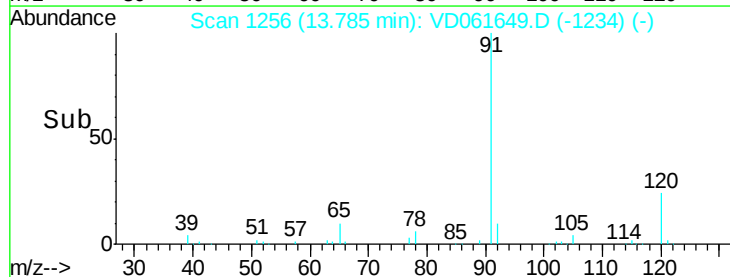
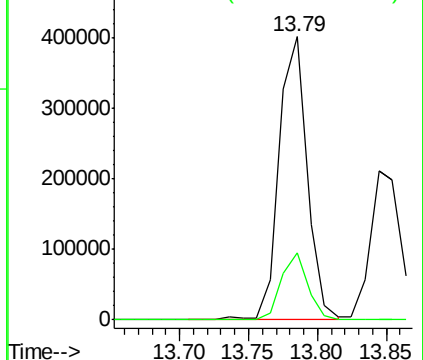
91 100

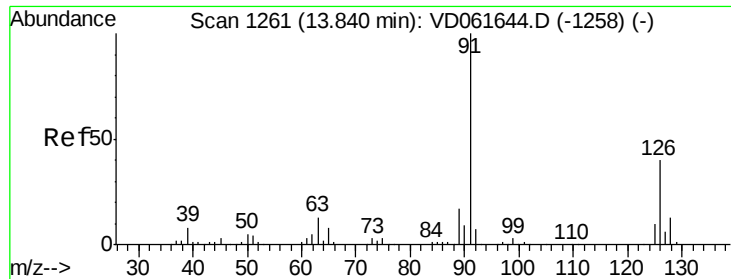
120 23.9 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 16.006 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

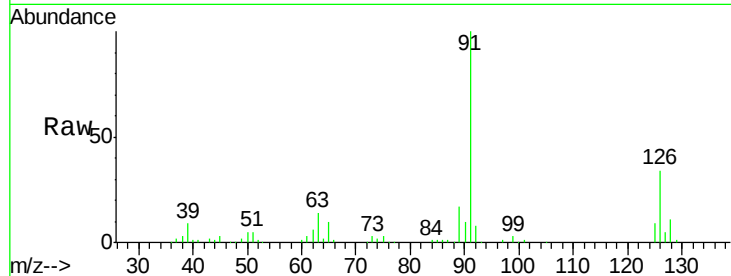
VD0408SBS01

Tot Ion: 91 Resp: 318438

Ion Ratio Lower Upper

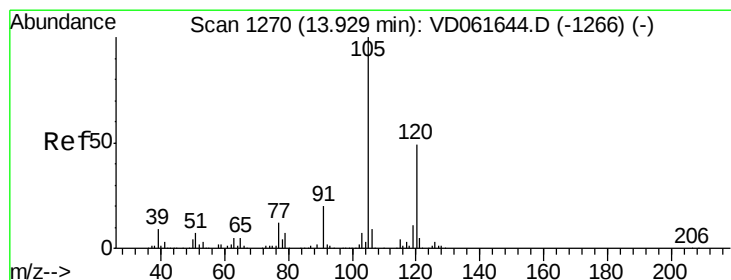
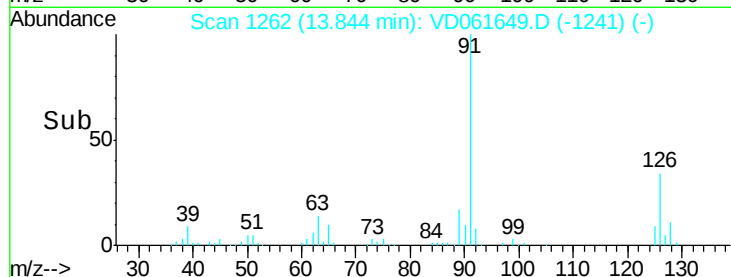
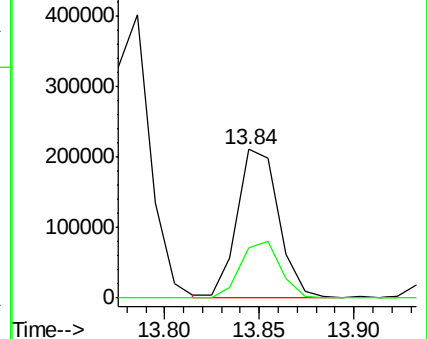
91 100

126 33.9 20.0 59.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 15.136 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061649.D

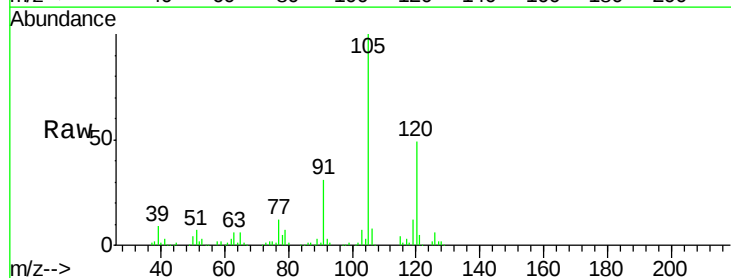
Acq: 8 Apr 2019 14:20

Tgt Ion:105 Resp: 349419

Ion Ratio Lower Upper

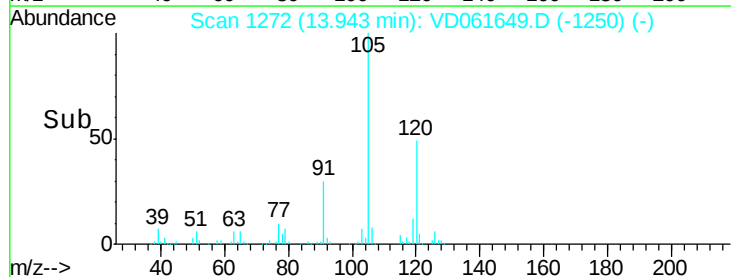
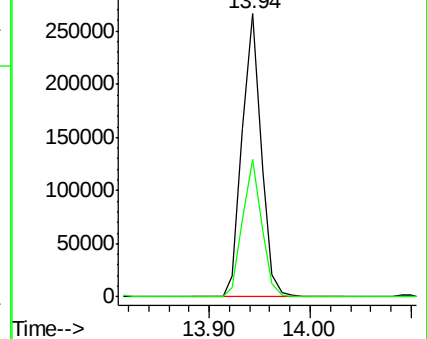
105 100

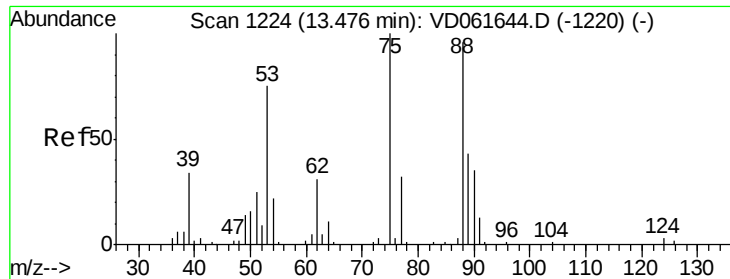
120 48.6 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.535 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD061649.D

Acq: 8 Apr 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBS01

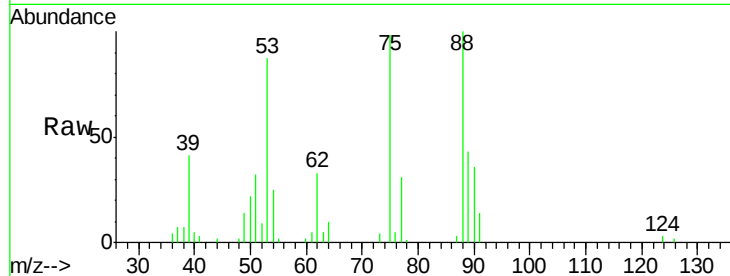
Tot Ion: 75 Resp: 27996

Ion Ratio Lower Upper

75 100

53 88.9 60.2 90.2

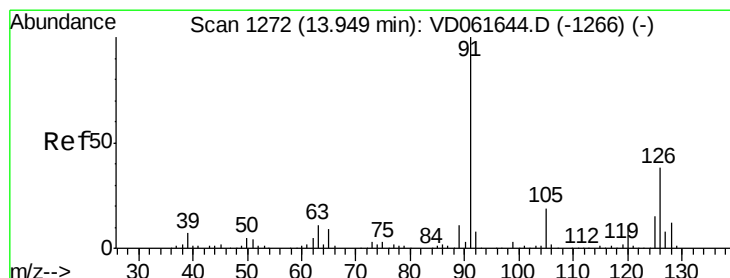
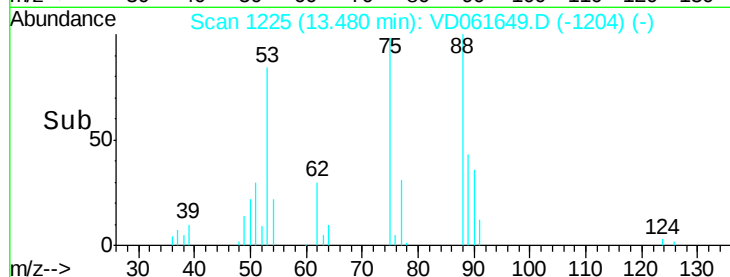
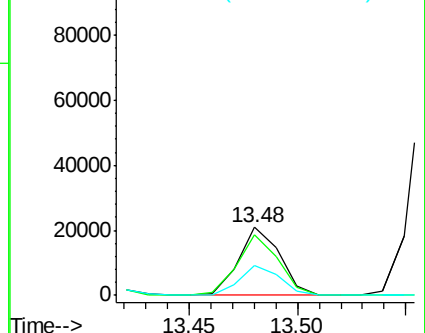
89 43.3 34.2 51.2



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: 14.443 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD061649.D

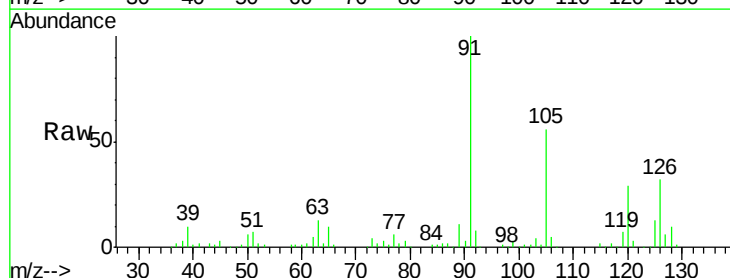
Acq: 8 Apr 2019 14:20

Tgt Ion: 91 Resp: 314865

Ion Ratio Lower Upper

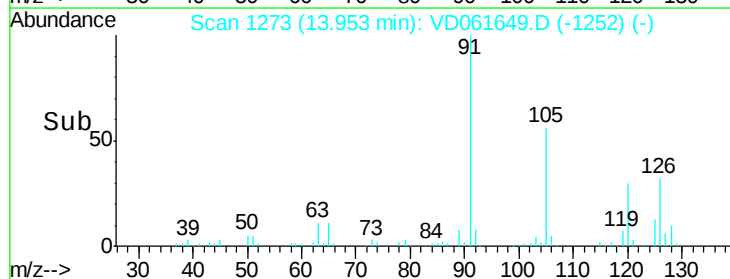
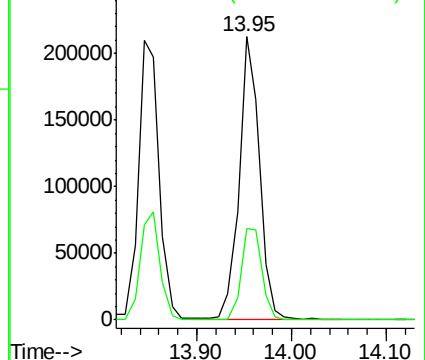
91 100

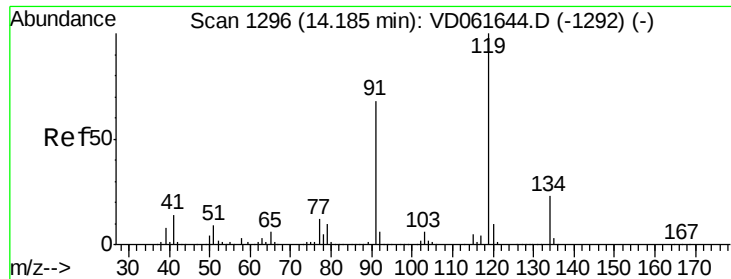
126 32.4 19.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

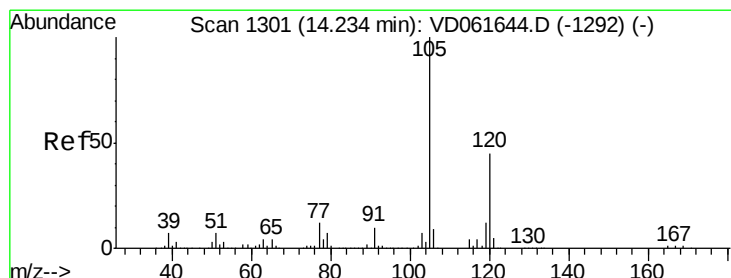
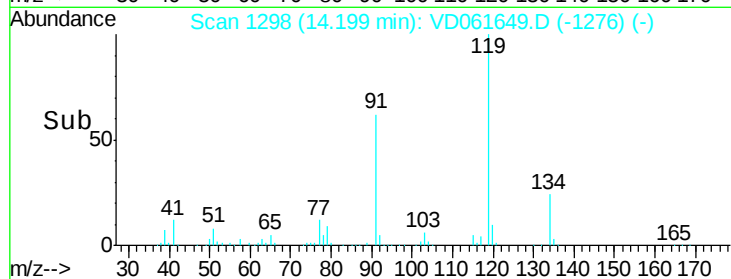
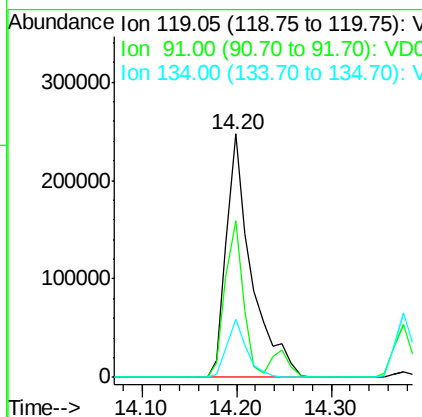
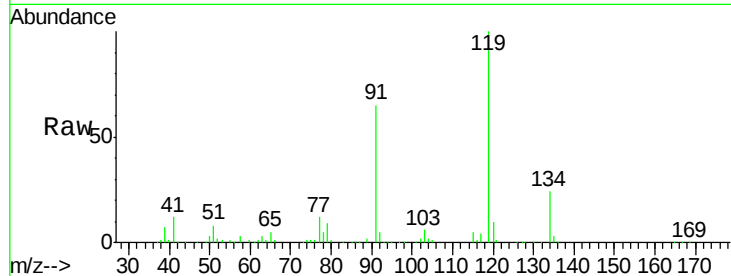




#83
 tert-Butylbenzene
 Concen: 16.364 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

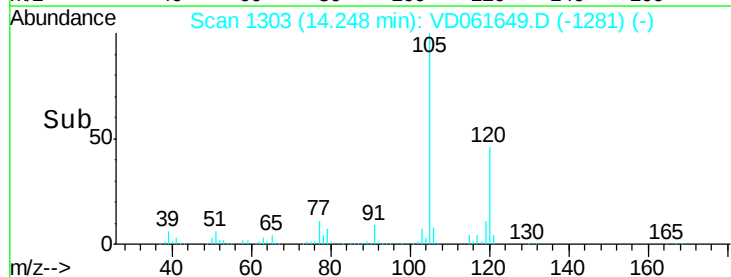
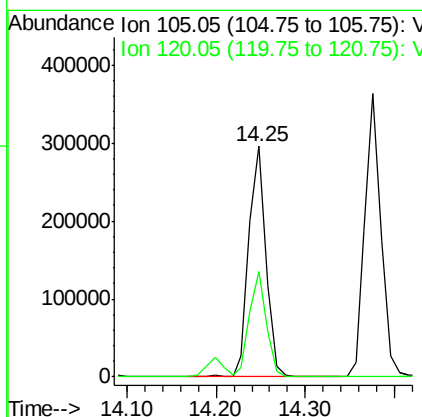
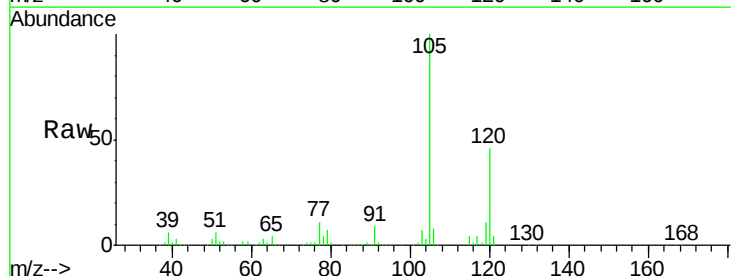
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

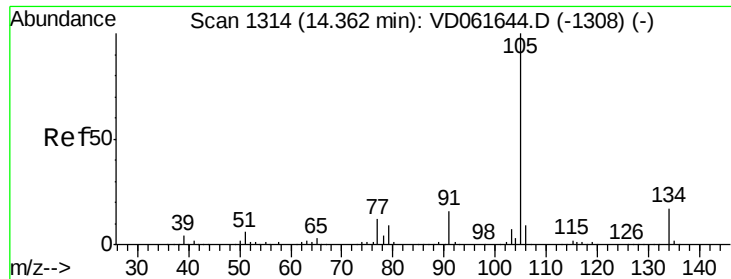
Tot Ion:119 Resp: 455456
 Ion Ratio Lower Upper
 119 100
 91 64.5 33.9 101.6
 134 23.7 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 16.826 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Tgt Ion:105 Resp: 392014
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.6 67.8

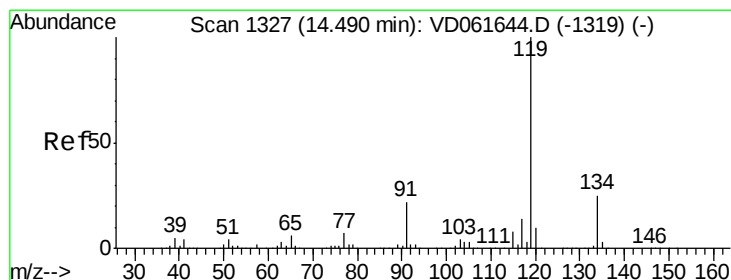
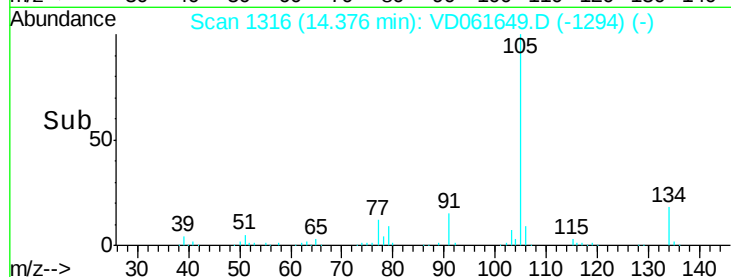
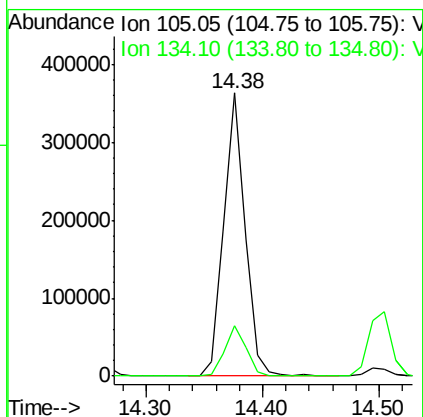
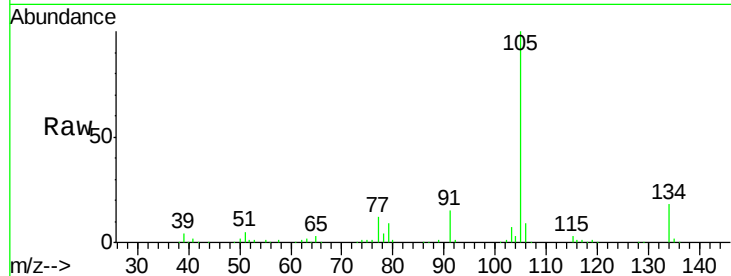




#85
 sec-Butylbenzene
 Concen: 15.346 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

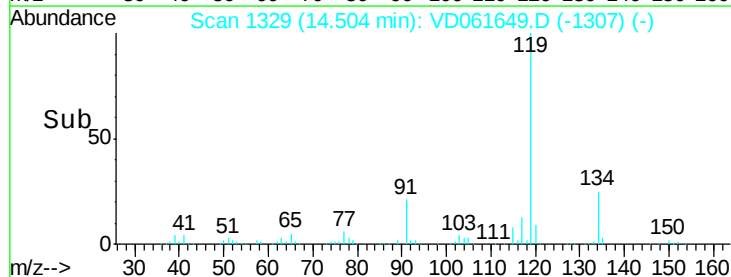
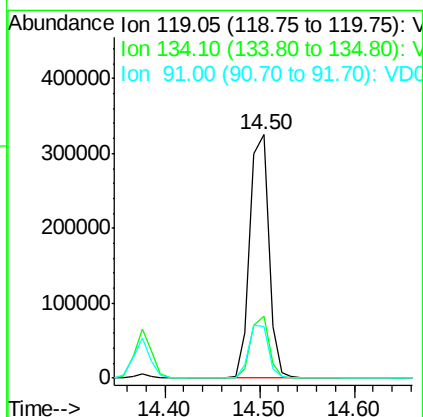
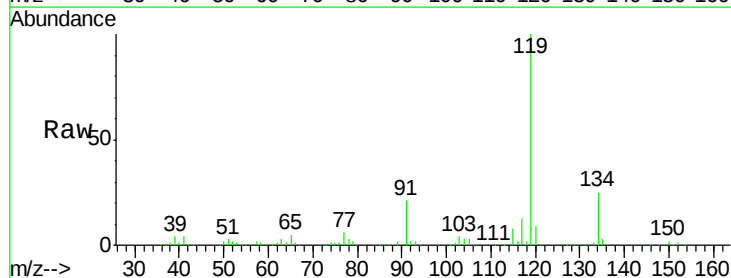
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

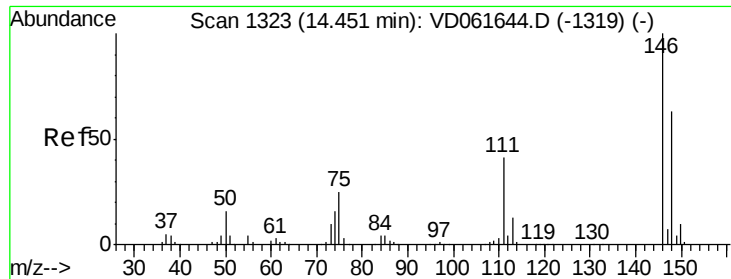
Tot Ion:105 Resp: 461481
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 17.413 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Tgt Ion:119 Resp: 454251
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.5 37.5
 91 21.0 11.0 33.0

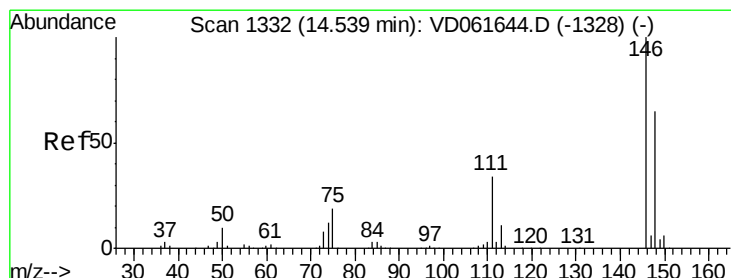
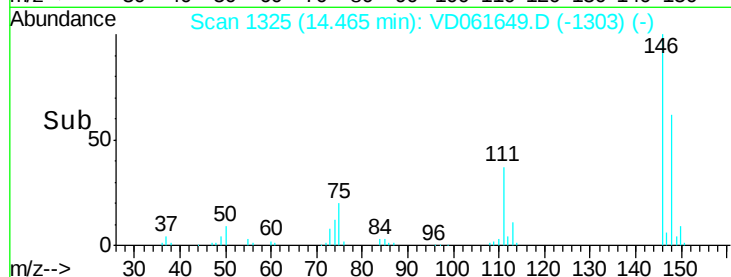
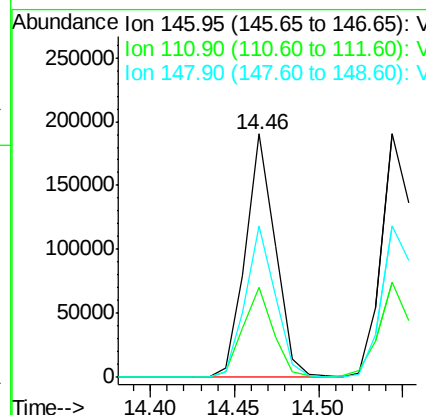
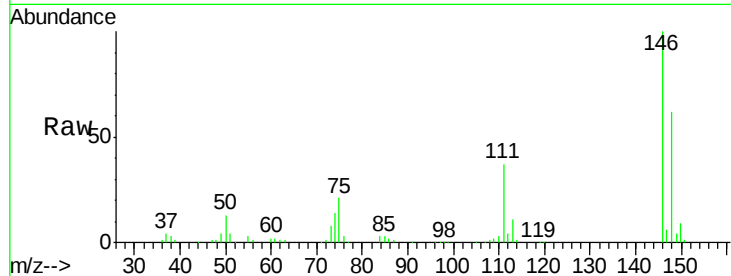




#87
 1,3-Dichlorobenzene
 Concen: 16.179 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

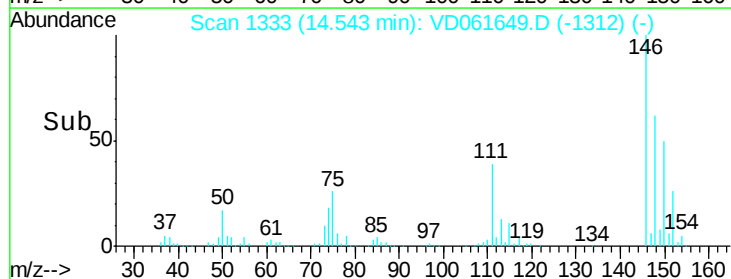
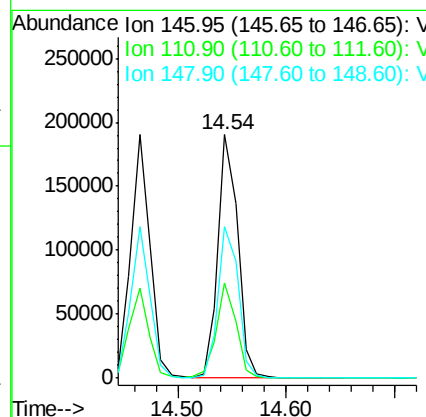
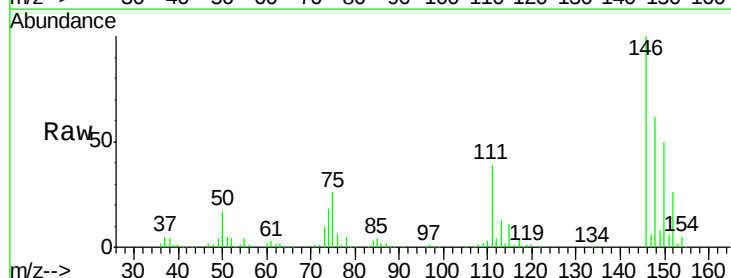
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

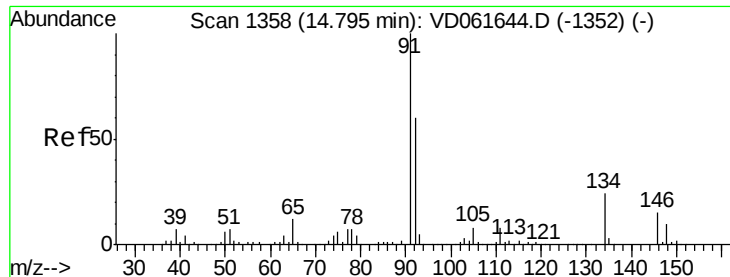
Tot Ion:146 Resp: 235066
 Ion Ratio Lower Upper
 146 100
 111 37.0 20.3 61.0
 148 62.1 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 16.623 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Tgt Ion:146 Resp: 243689
 Ion Ratio Lower Upper
 146 100
 111 39.3 17.1 51.2
 148 62.3 32.6 97.7

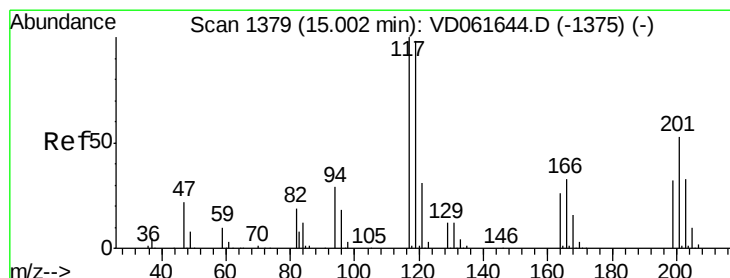
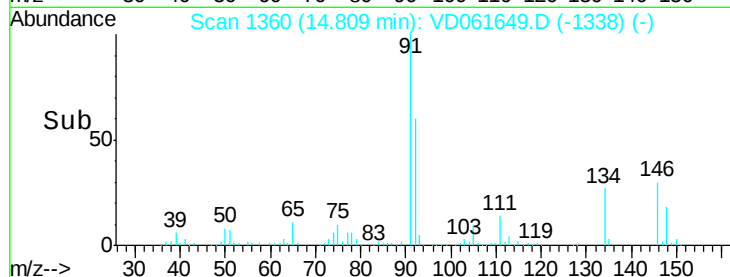
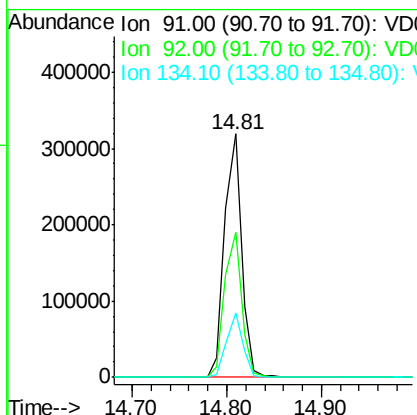
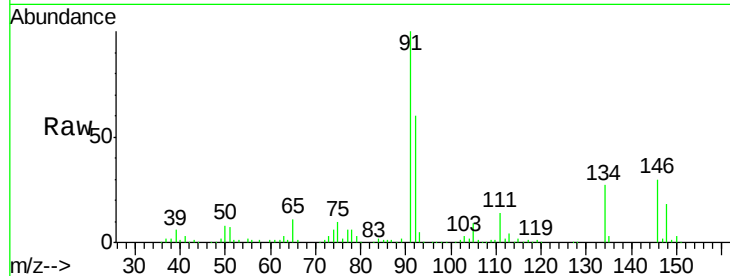




#89
n-Butylbenzene
Concen: 17.644 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

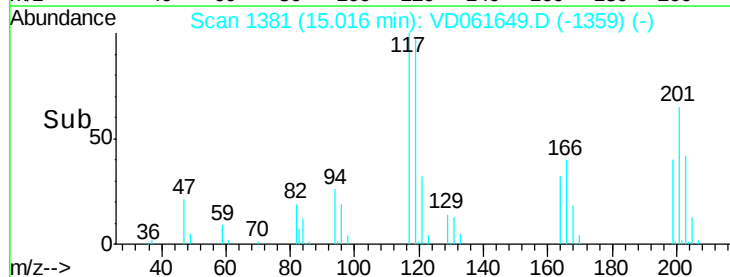
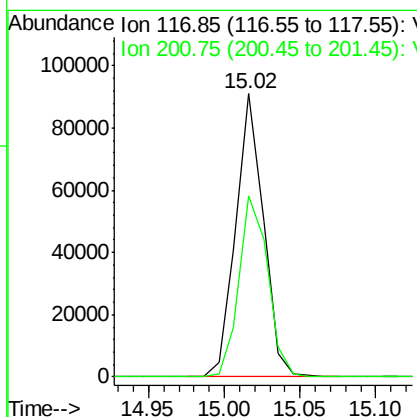
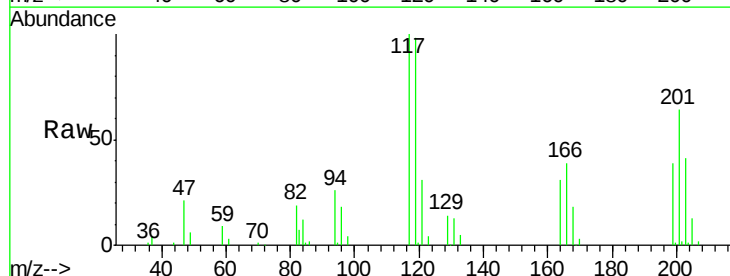
Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

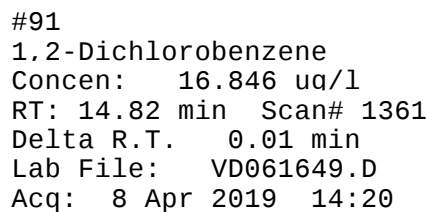
Tot Ion: 91 Resp: 400077
Ion Ratio Lower Upper
91 100
92 59.6 29.8 89.4
134 26.6 12.2 36.4



#90
Hexachloroethane
Concen: 16.262 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

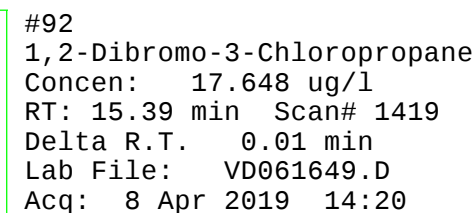
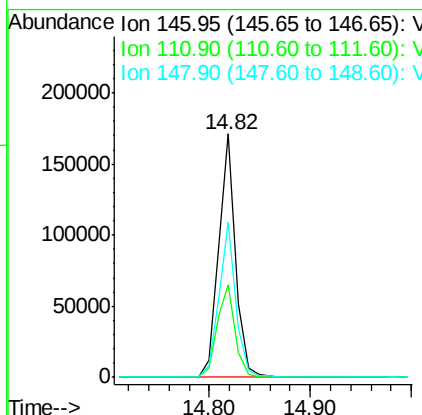
Tgt Ion: 117 Resp: 115110
Ion Ratio Lower Upper
117 100
201 63.8 26.3 78.8



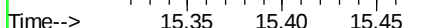
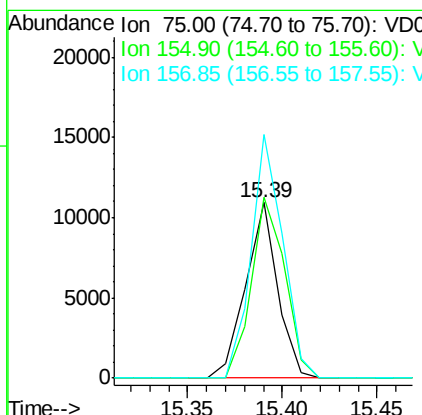


Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

Tqt	Ion:146	Resp:	201720
Ion	Ratio	Lower	Upper
146	100		
111	37.8	21.1	63.3
148	63.7	31.7	95.1



Tgt	Ion: 75	Resp:	12807
Ion	Ratio	Lower	Upper
75	100		
155	103.0	45.6	136.7
157	138.8	61.4	184.2

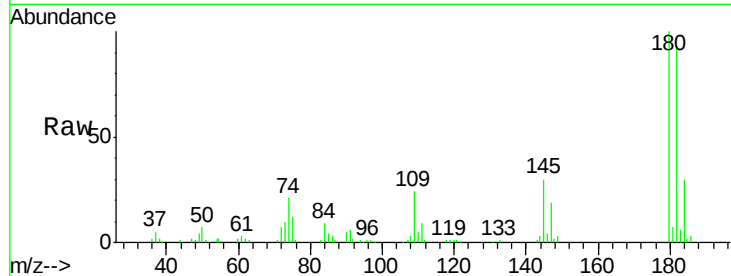




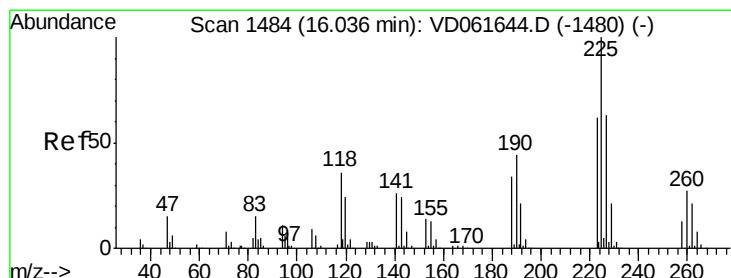
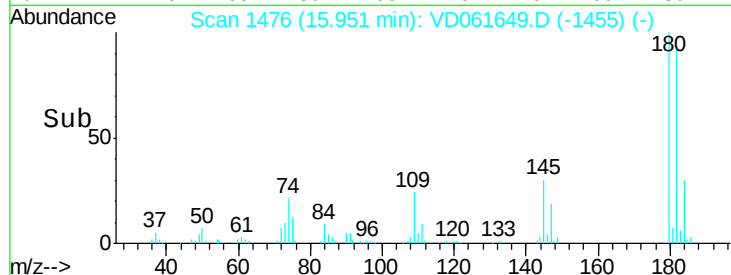
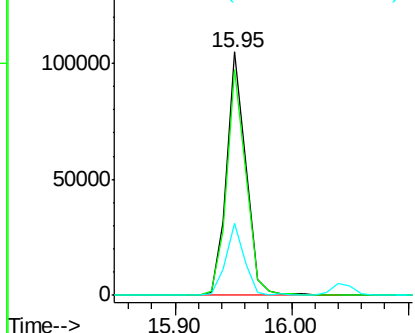
#93
 1,2,4-Trichlorobenzene
 Concen: 19.811 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

Tot Ion:180 Resp: 120861
 Ion Ratio Lower Upper
 180 100
 182 92.8 47.8 143.3
 145 29.7 13.3 39.8

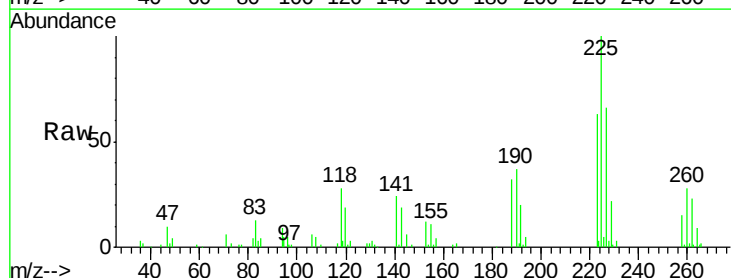


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

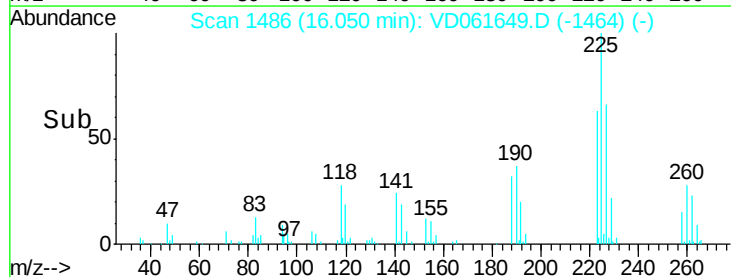
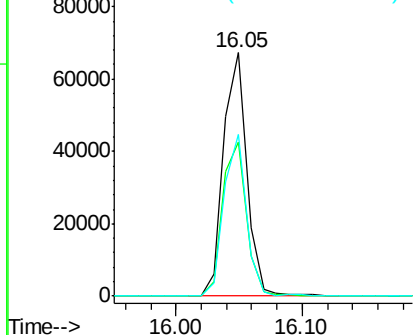


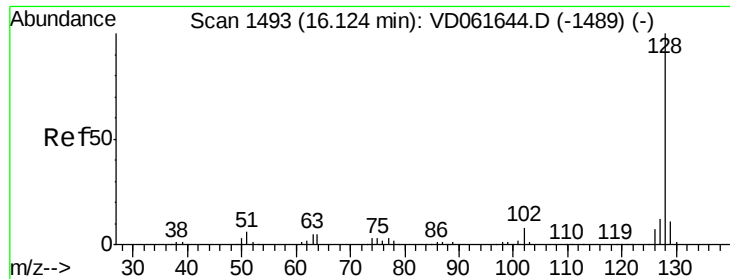
#94
 Hexachlorobutadiene
 Concen: 18.332 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD061649.D
 Acq: 8 Apr 2019 14:20

Tgt Ion:225 Resp: 86356
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.8 92.3
 227 66.3 31.5 94.5



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

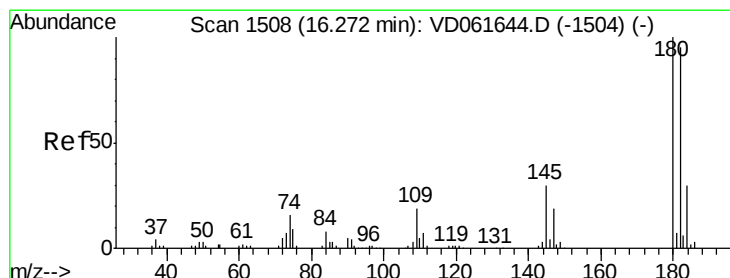
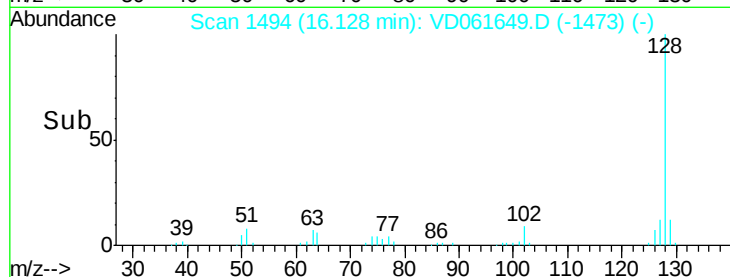
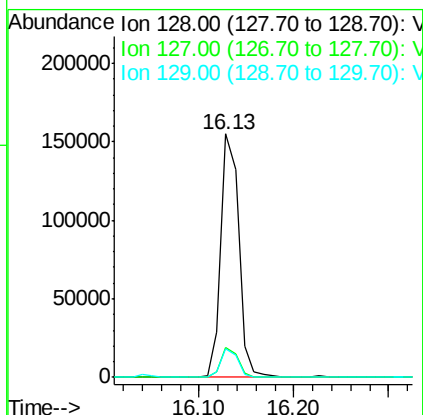
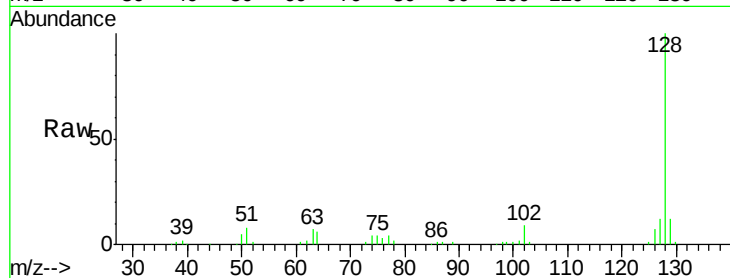




#95
Naphthalene
Concen: 21.179 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

Tot Ion:128 Resp: 204443
Ion Ratio Lower Upper
128 100
127 12.3 9.4 14.2
129 11.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 24.974 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VD061649.D
Acq: 8 Apr 2019 14:20

Tgt Ion:180 Resp: 76038
Ion Ratio Lower Upper
180 100
182 94.1 47.3 142.0
145 33.5 15.1 45.3

