

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061650.D
 Acq On : 8 Apr 2019 14:48
 Operator : VA/AP
 Sample : VD0408SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

Quant Time: Apr 09 01:18:22 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	703663	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	1033307	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	938029	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	417038	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	260335	48.81	ug/l	0.02
Spiked Amount 50.000			Recovery =	97.62%		
35) Dibromofluoromethane	6.94	113	405078	56.59	ug/l	0.02
Spiked Amount 50.000			Recovery =	113.18%		
50) Toluene-d8	10.42	98	949207	52.78	ug/l	0.02
Spiked Amount 50.000			Recovery =	105.56%		
62) 4-Bromofluorobenzene	13.56	95	368477	61.06	ug/l	0.01
Spiked Amount 50.000			Recovery =	122.12%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	136968	18.043	ug/l	98
3) Chloromethane	1.76	50	124167	20.240	ug/l	95
4) Vinyl Chloride	1.85	62	114732	20.015	ug/l	98
5) Bromomethane	2.15	94	22138	16.685	ug/l	98
6) Chloroethane	2.25	64	28749	16.012	ug/l	98
7) Trichlorofluoromethane	2.53	101	149723	17.299	ug/l	97
8) Diethyl Ether	2.88	74	48364	19.911	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.16	101	176959	20.796	ug/l	97
10) Methyl Iodide	3.32	142	203955	18.552	ug/l	99
11) Tert butyl alcohol	4.08	59	39228	109.741	ug/l	97
12) 1,1-Dichloroethene	3.13	96	147838	20.154	ug/l	96
13) Acrolein	3.04	56	40149	92.123	ug/l	96
14) Allyl chloride	3.63	41	202948	20.284	ug/l	98
15) Acrylonitrile	4.21	53	131257	106.670	ug/l	98
16) Acetone	3.23	43	147854	92.732	ug/l	98
17) Carbon Disulfide	3.39	76	436291	18.304	ug/l	100
18) Methyl Acetate	3.65	43	65410	21.805	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	269607	21.226	ug/l	100
20) Methylene Chloride	3.83	84	183362	20.266	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	163084	20.469	ug/l	97
22) Diisopropyl ether	5.14	45	413077	19.692	ug/l	97
23) Vinyl Acetate	5.07	43	1111779	96.053	ug/l	99
24) 1,1-Dichloroethane	5.00	63	246890	19.207	ug/l	99
25) 2-Butanone	6.08	43	191619	104.248	ug/l	99
26) 2,2-Dichloropropane	6.04	77	212751	20.326	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	180157	21.196	ug/l	99
28) Bromochloromethane	6.46	49	86849	18.316	ug/l	99
29) Tetrahydrofuran	6.47	42	93265	105.109	ug/l	98
30) Chloroform	6.67	83	271435	20.157	ug/l	97
31) Cyclohexane	6.98	56	203602	20.275	ug/l	98
32) 1,1,1-Trichloroethane	6.89	97	243616	20.644	ug/l	97
36) 1,1-Dichloropropene	7.17	75	210214	23.245	ug/l	96
37) Ethyl Acetate	6.20	43	88585	24.049	ug/l	97
38) Carbon Tetrachloride	7.13	117	244295	23.049	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	215433	23.204	ug/l	98
40) Benzene	7.47	78	504440	23.122	ug/l	98
41) Methacrylonitrile	6.47	41	103121	23.982	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	160560	23.401	ug/l	99
43) Isopropyl Acetate	9.25	43	128143	23.971	ug/l #	100
44) Trichloroethene	8.55	130	190018	22.719	ug/l	99
45) 1,2-Dichloropropane	8.96	63	125409	23.179	ug/l	96
46) Dibromomethane	9.08	93	90740	23.466	ug/l	98
47) Bromodichloromethane	9.39	83	204621	24.094	ug/l	99
48) Methyl methacrylate	9.13	41	77573	25.174	ug/l	99
49) 1,4-Dioxane	9.10	88	17125	503.478	ug/l #	86
51) 4-Methyl-2-Pentanone	10.32	43	366666	115.979	ug/l	97
52) Toluene	10.52	92	334521	24.555	ug/l	96
53) t-1,3-Dichloropropene	10.93	75	177201	23.803	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	216927	23.638	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	117490	25.570	ug/l	98
56) Ethyl methacrylate	11.05	69	124751	25.737	ug/l	100
57) 1,3-Dichloropropane	11.43	76	151499	22.515	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	240700	105.242	ug/l	95
59) 2-Hexanone	11.55	43	296114	120.687	ug/l	99
60) Dibromochloromethane	11.69	129	171240	23.589	ug/l	97
61) 1,2-Dibromoethane	11.81	107	133660	24.874	ug/l	98
64) Tetrachloroethene	11.27	164	144316	19.820	ug/l	99
65) Chlorobenzene	12.41	112	408719	21.972	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	159059	22.221	ug/l	95
67) Ethyl Benzene	12.53	91	623915	22.025	ug/l	99
68) m/p-Xylenes	12.68	106	485832	44.487	ug/l	98
69) o-Xylene	13.06	106	229514	21.772	ug/l	92
70) Styrene	13.08	104	383506	21.302	ug/l	99
71) Bromoform	13.24	173	93771	21.113	ug/l	99
73) Isopropylbenzene	13.41	105	586557	21.109	ug/l	98
74) N-amyl acetate	13.27	43	164959	21.849	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	123602	21.512	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	119425	21.048	ug/l	99
77) Bromobenzene	13.68	156	175042	21.702	ug/l	80
78) n-propylbenzene	13.78	91	740384	22.274	ug/l	99
79) 2-Chlorotoluene	13.85	91	388581	20.443	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	501911	22.757	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.49	75	36248	21.053	ug/l	96
82) 4-Chlorotoluene	13.96	91	471216	22.623	ug/l	100
83) tert-Butylbenzene	14.19	119	560388	21.073	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	518062	23.274	ug/l	99
85) sec-Butylbenzene	14.37	105	644729	22.440	ug/l	100
86) p-Isopropyltoluene	14.50	119	556957	22.346	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	314481	22.655	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	302495	21.597	ug/l	99
89) n-Butylbenzene	14.80	91	541359	24.989	ug/l	98
90) Hexachloroethane	15.01	117	148881	22.014	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	273922	23.943	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	15898	22.929	ug/l	97

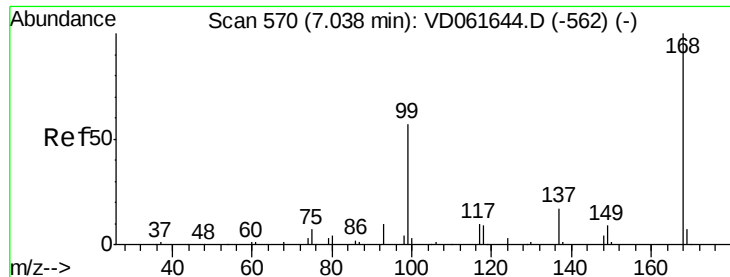
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
Data File : VD061650.D
Acq On : 8 Apr 2019 14:48
Operator : VA/AP
Sample : VD0408SBSD01
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	161572	27.720	ug/l	97
94) Hexachlorobutadiene	16.05	225	111934	24.871	ug/l	98
95) Naphthalene	16.13	128	258748	28.056	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	101860	35.016	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

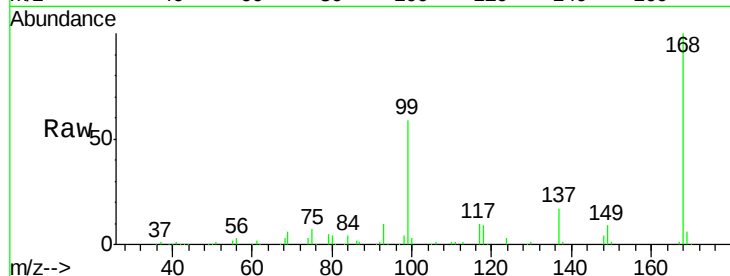
VD0408SBS01

Tot Ion:168 Resp: 703663

Ion Ratio Lower Upper

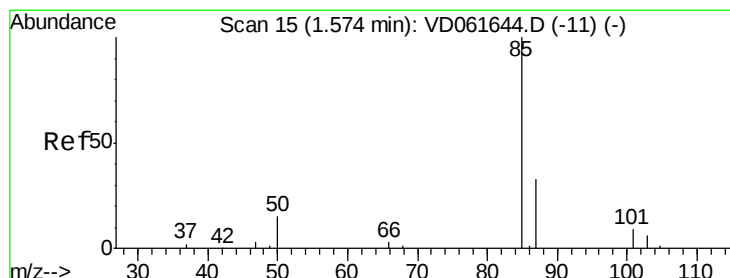
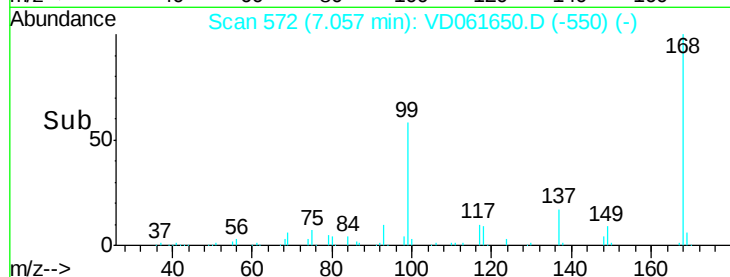
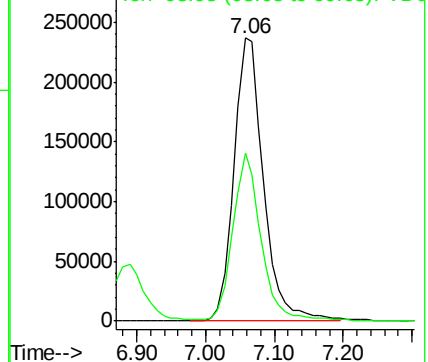
168 100

99 59.3 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: 18.043 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061650.D

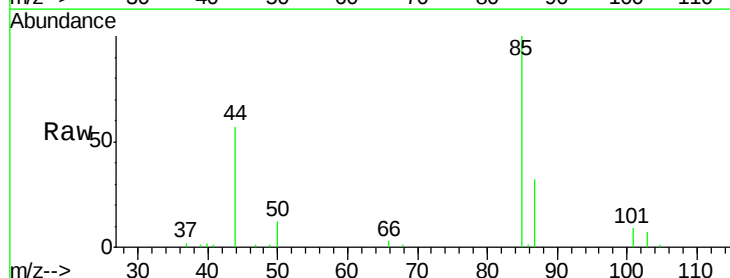
Acq: 8 Apr 2019 14:48

Tgt Ion: 85 Resp: 136968

Ion Ratio Lower Upper

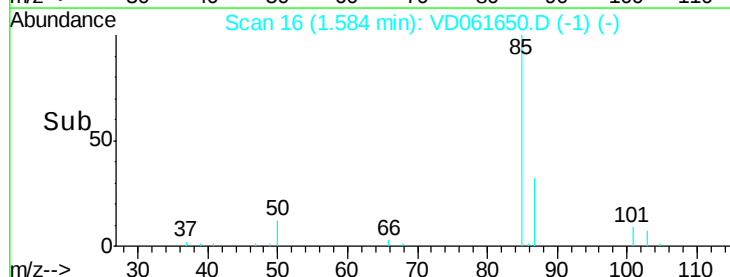
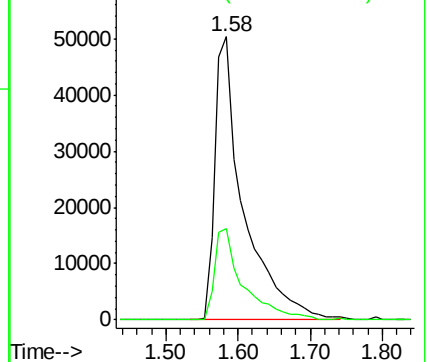
85 100

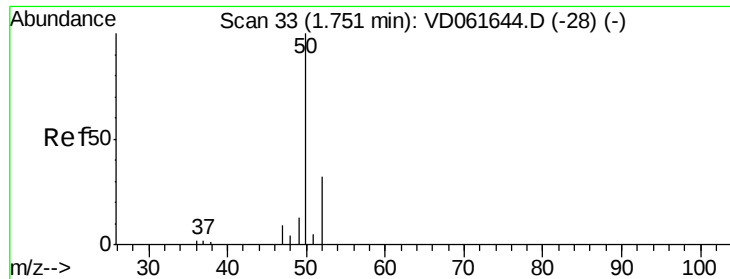
87 32.3 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.240 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

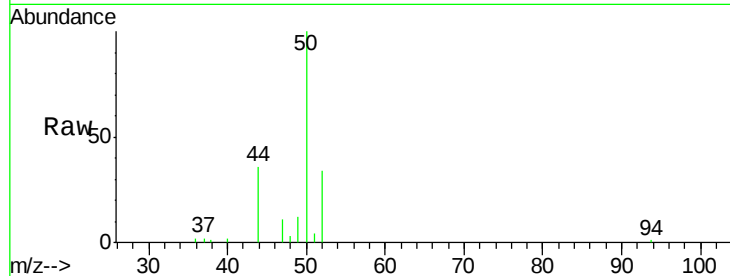
VD0408SBSD01

Tot Ion: 50 Resp: 124167

Ion Ratio Lower Upper

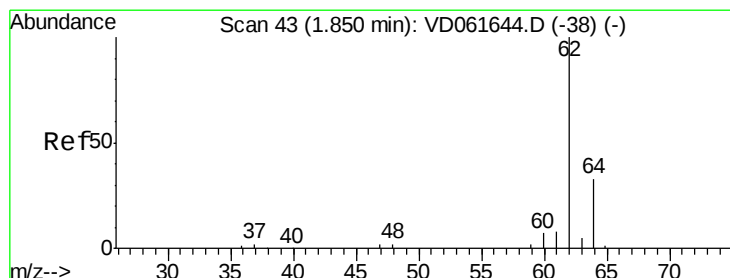
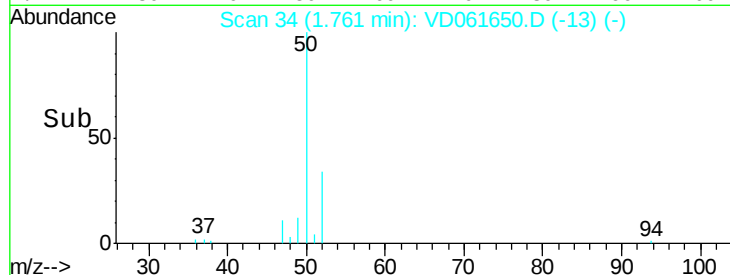
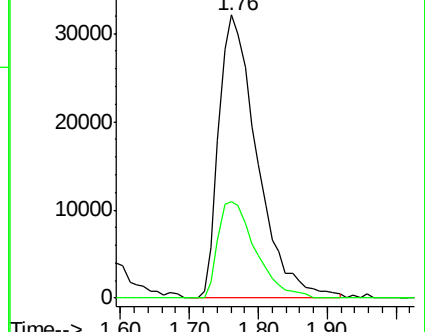
50 100

52 34.0 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: 20.015 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061650.D

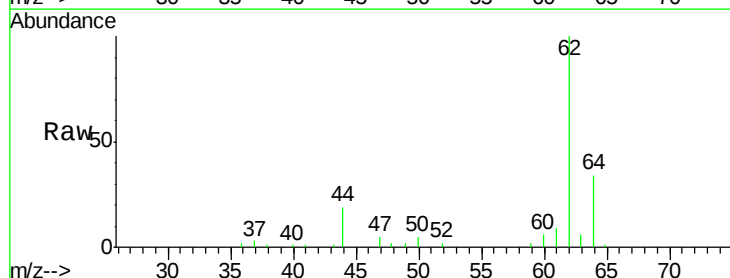
Acq: 8 Apr 2019 14:48

Tgt Ion: 62 Resp: 114732

Ion Ratio Lower Upper

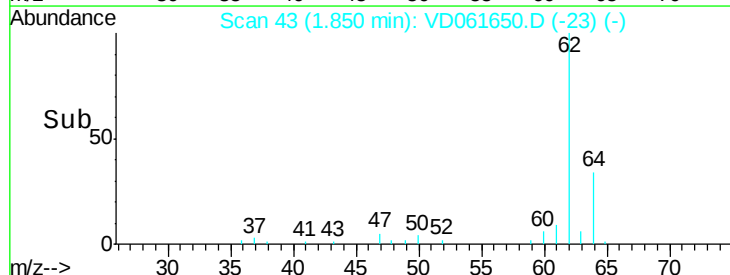
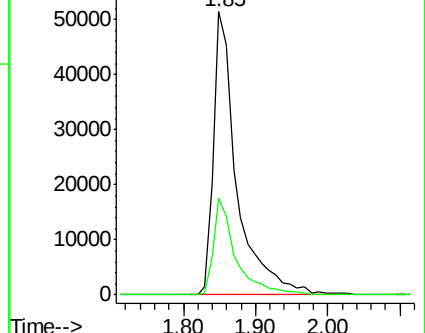
62 100

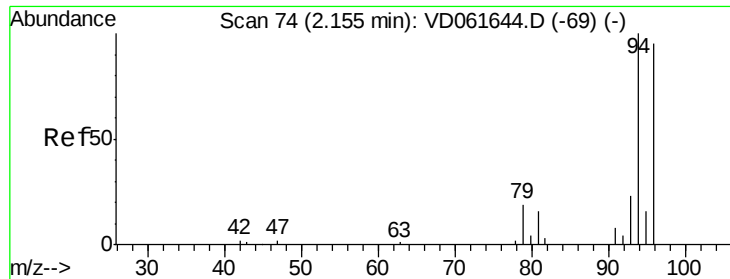
64 34.0 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.685 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBS01

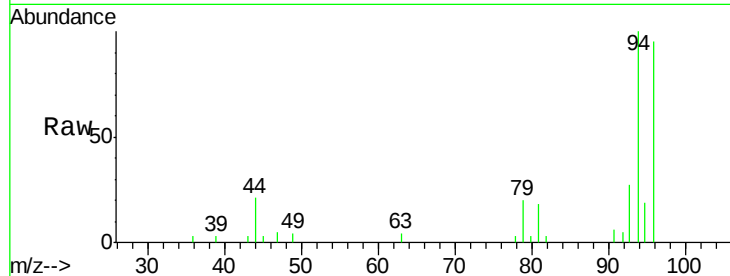
Tot Ion: 94 Resp: 22138

Ion Ratio Lower Upper

94 100

96 95.0 75.8 113.8

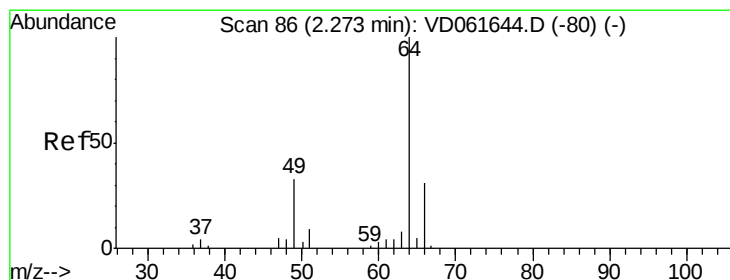
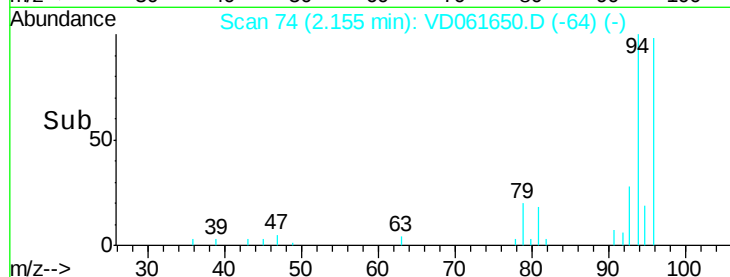
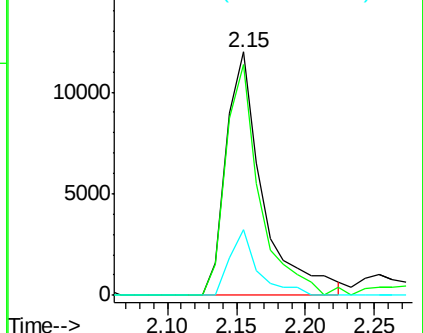
93 26.8 18.6 28.0



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 16.012 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD061650.D

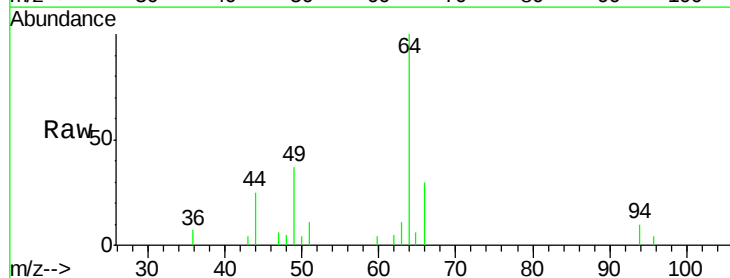
Acq: 8 Apr 2019 14:48

Tgt Ion: 64 Resp: 28749

Ion Ratio Lower Upper

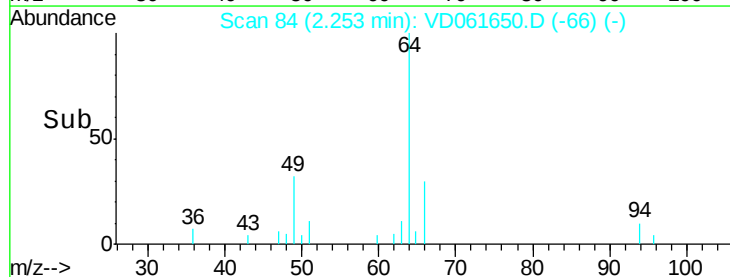
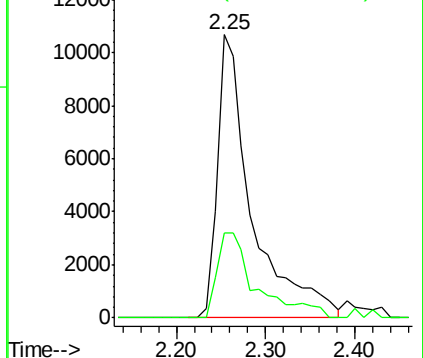
64 100

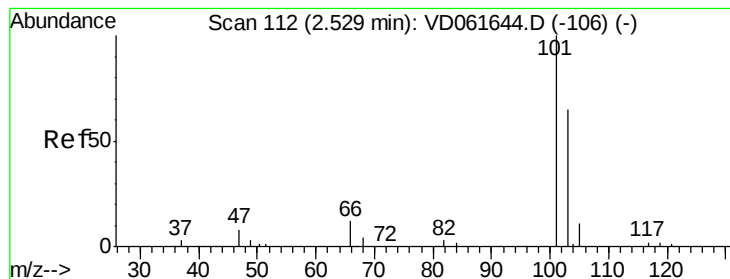
66 30.0 24.9 37.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



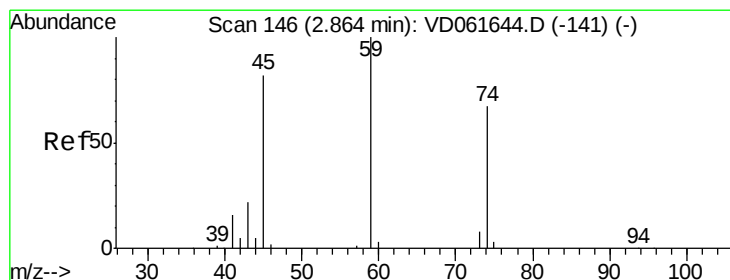
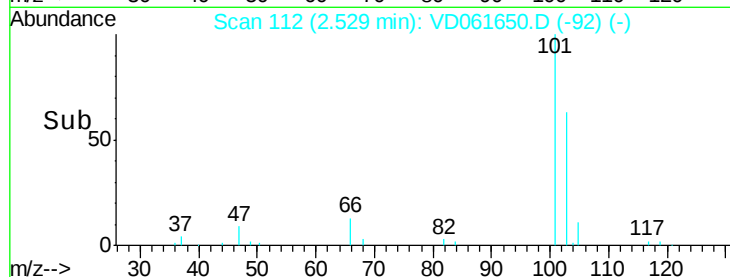
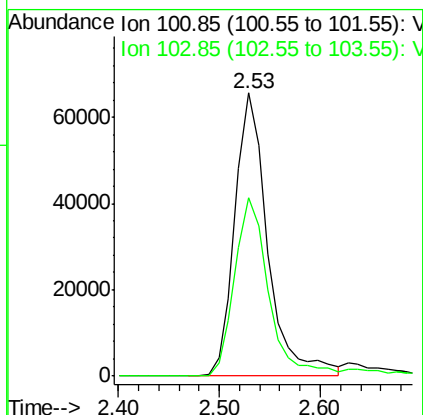
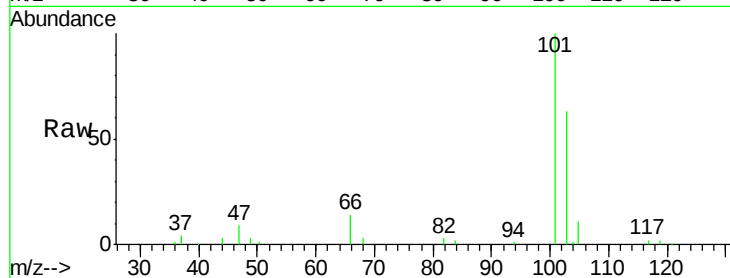


#7

Trichlorofluoromethane
 Concen: 17.299 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBSD01

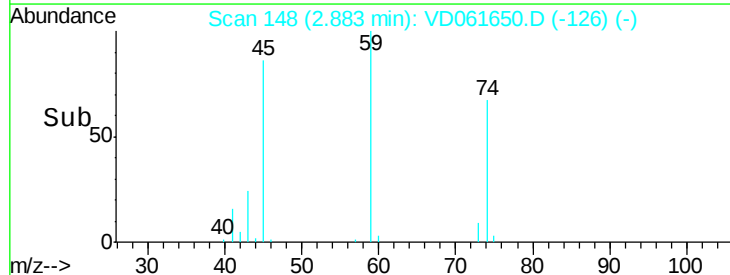
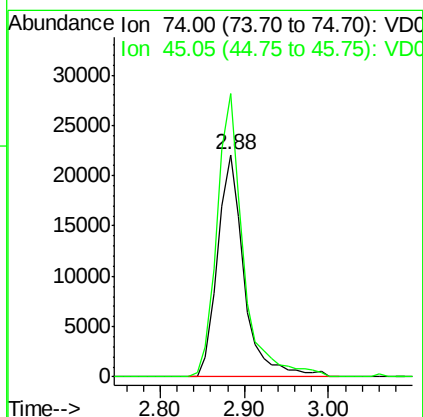
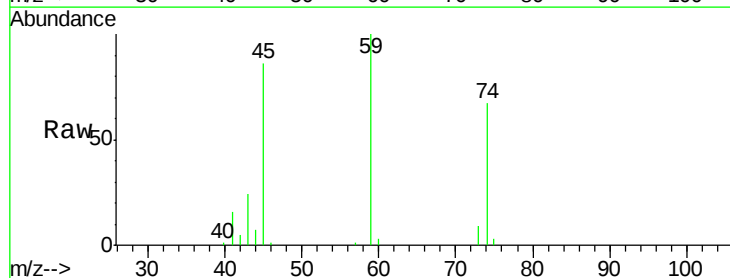
Tot Ion:101 Resp: 149723
 Ion Ratio Lower Upper
 101 100
 103 63.0 52.0 78.0

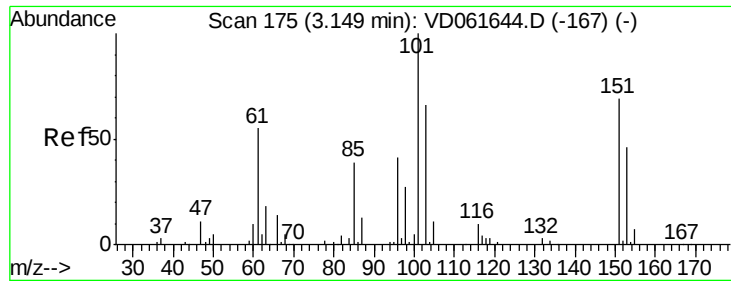


#8

Diethyl Ether
 Concen: 19.911 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.02 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Tgt Ion: 74 Resp: 48364
 Ion Ratio Lower Upper
 74 100
 45 127.5 61.0 183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.796 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBS01

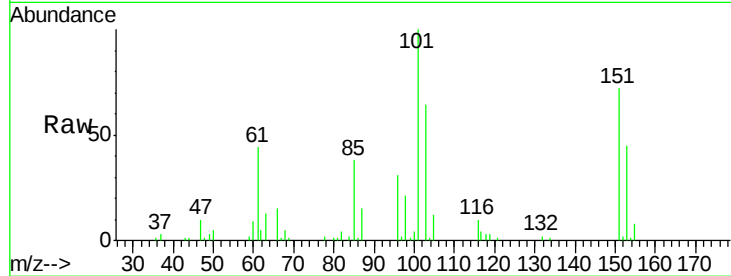
Tot Ion:101 Resp: 176959

Ion Ratio Lower Upper

101 100

85 38.3 31.0 46.6

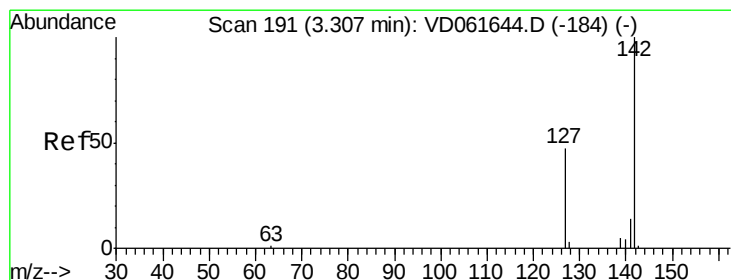
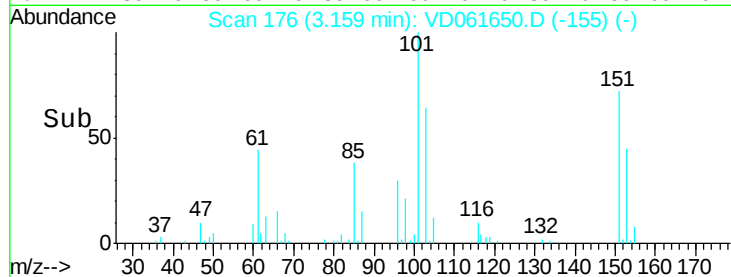
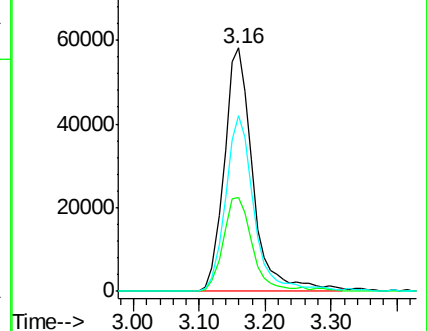
151 72.0 55.3 82.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.552 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

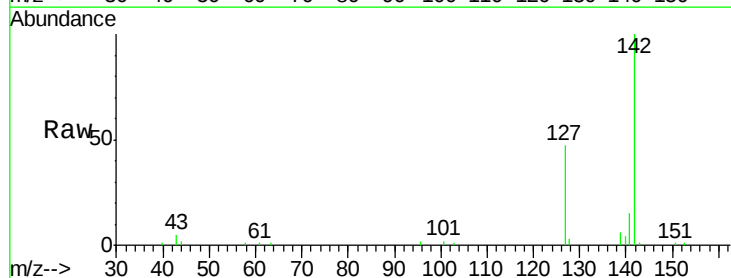
Tgt Ion:142 Resp: 203955

Ion Ratio Lower Upper

142 100

127 46.8 37.2 55.8

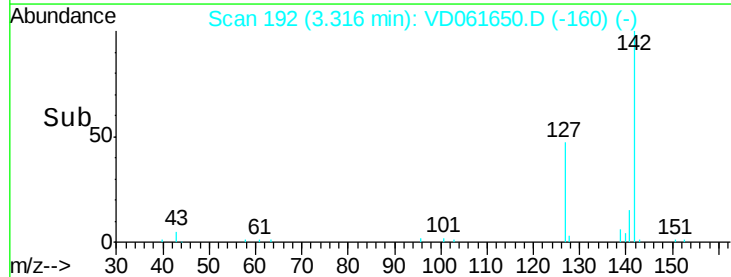
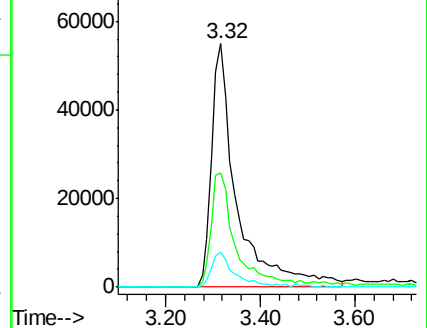
141 14.5 10.8 16.2

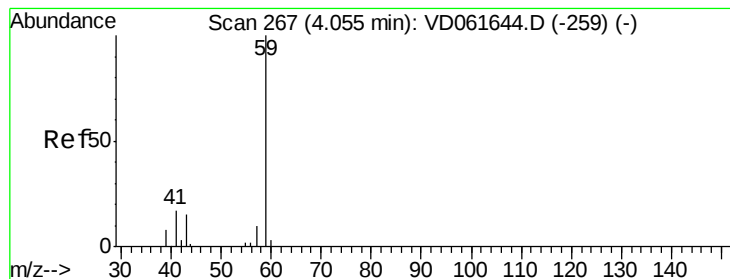


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



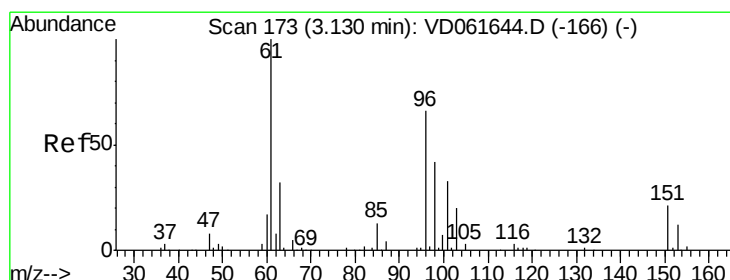
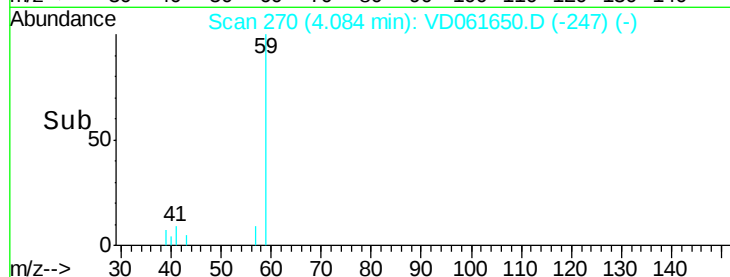
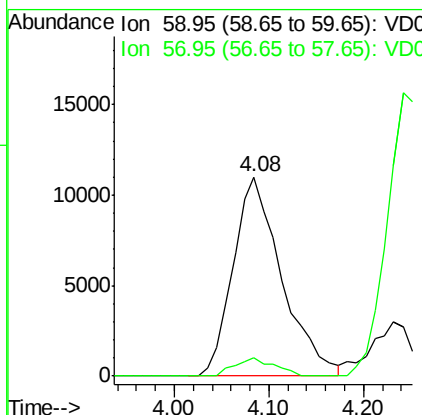
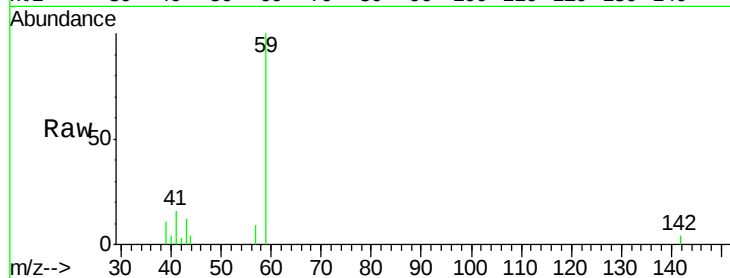


#11

Tert butyl alcohol
Concen: 109.741 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.03 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

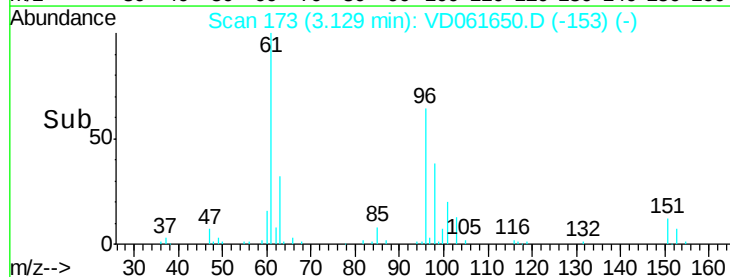
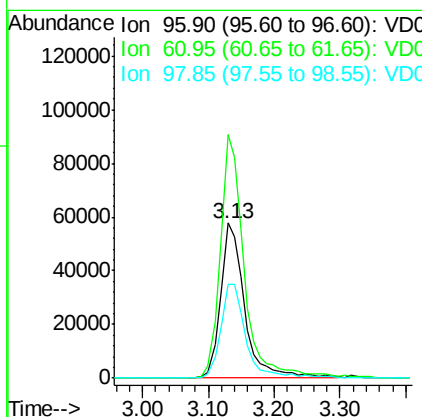
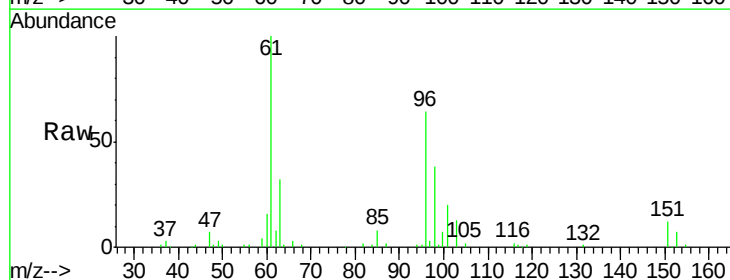
Tot Ion: 59 Resp: 39228
Ion Ratio Lower Upper
59 100
57 9.5 8.4 12.6

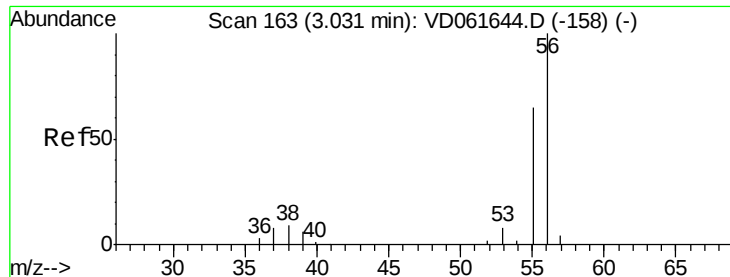


#12

1,1-Dichloroethene
Concen: 20.154 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Tgt Ion: 96 Resp: 147838
Ion Ratio Lower Upper
96 100
61 157.4 121.3 181.9
98 60.6 50.6 76.0





#13

Acrolein

Concen: 92.123 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

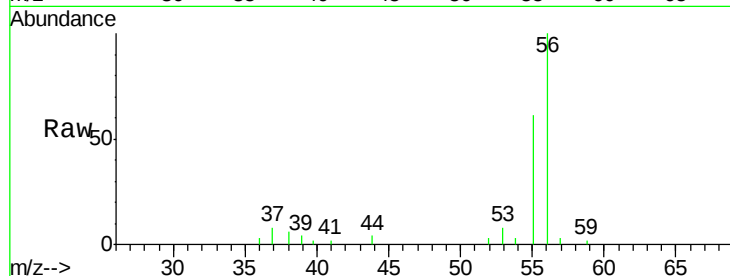
VD0408SBS01

Tot Ion: 56 Resp: 40149

Ion Ratio Lower Upper

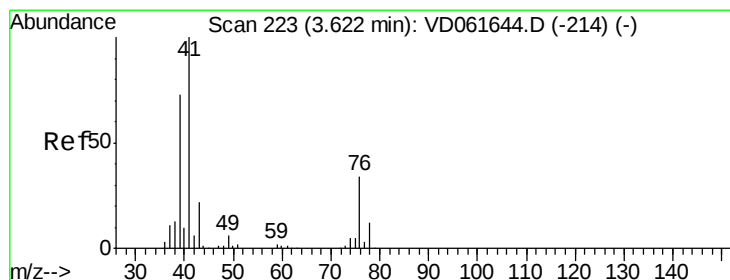
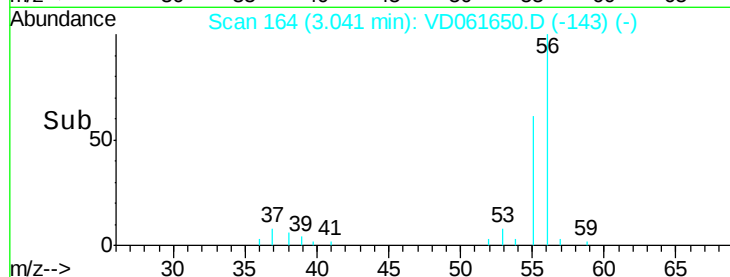
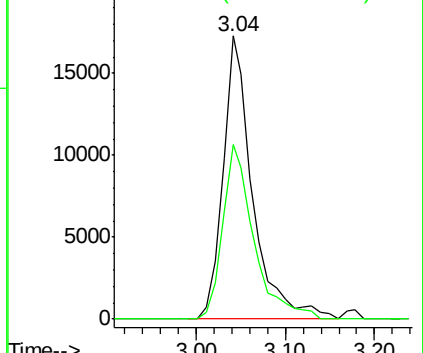
56 100

55 61.5 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: 20.284 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

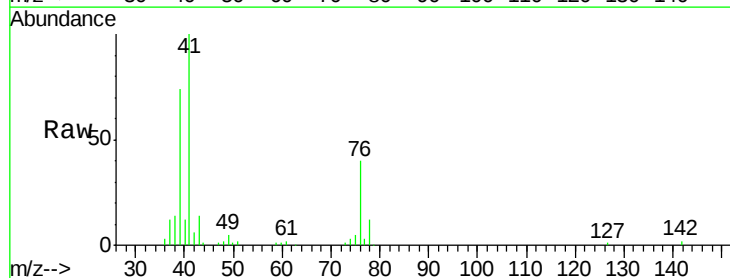
Tgt Ion: 41 Resp: 202948

Ion Ratio Lower Upper

41 100

39 73.6 58.2 87.4

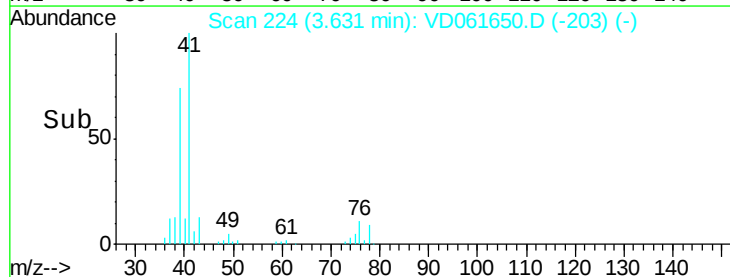
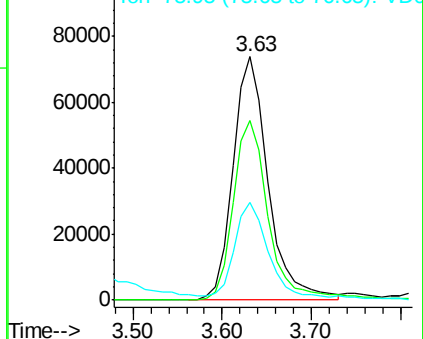
76 40.2 29.8 44.6

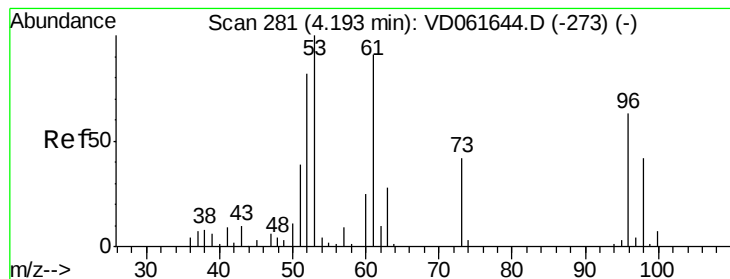


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 106.670 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.02 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleID :

VD0408SBS01

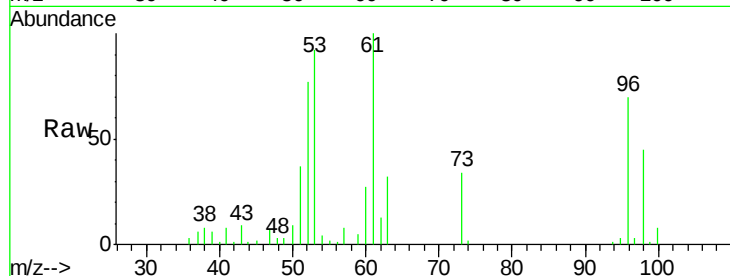
Tot Ion: 53 Resp: 131257

Ion Ratio Lower Upper

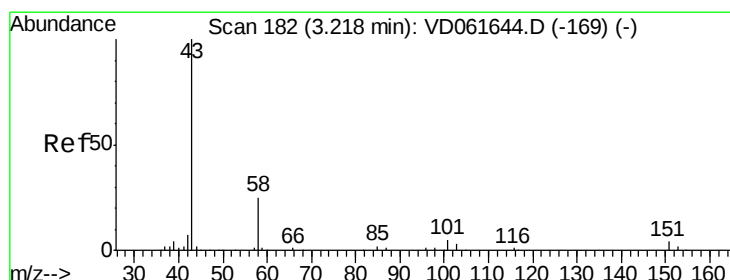
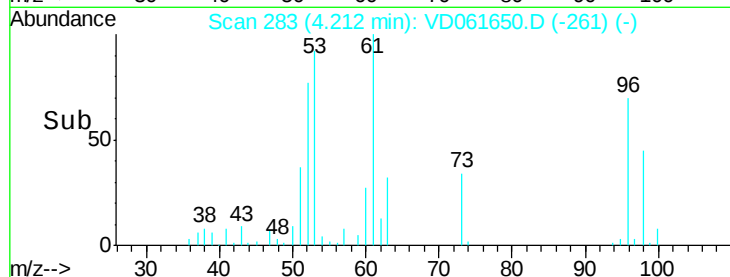
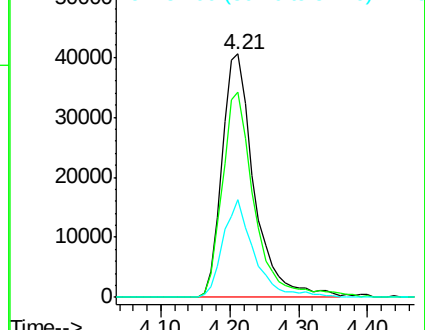
53 100

52 84.1 65.9 98.9

51 40.0 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: 92.732 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061650.D

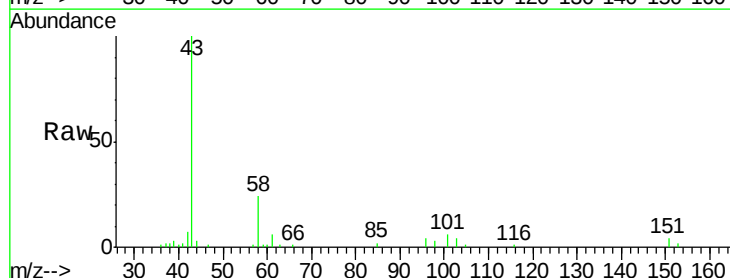
Acq: 8 Apr 2019 14:48

Tgt Ion: 43 Resp: 147854

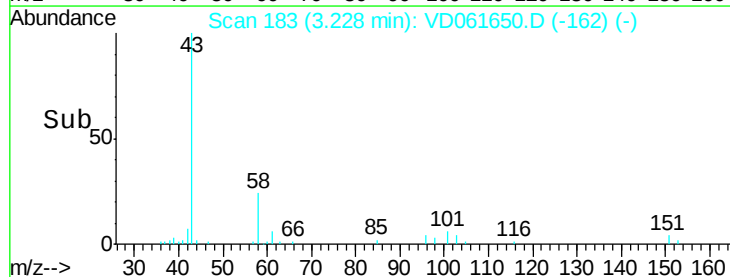
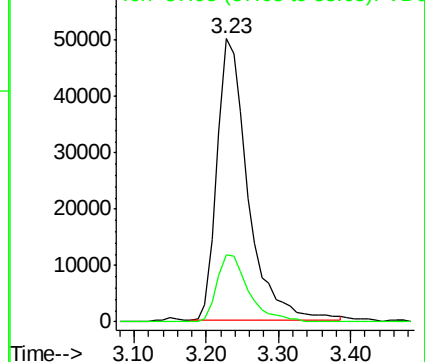
Ion Ratio Lower Upper

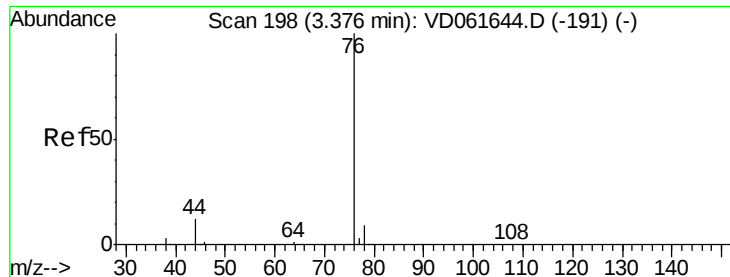
43 100

58 23.7 19.7 29.5



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

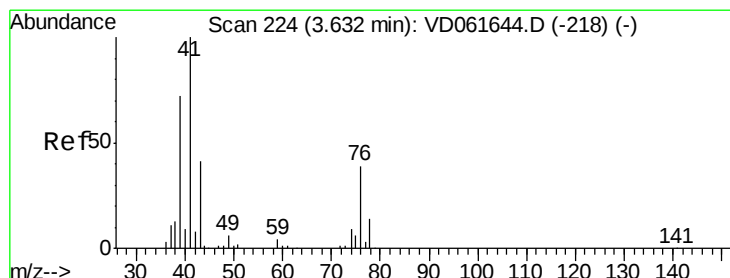
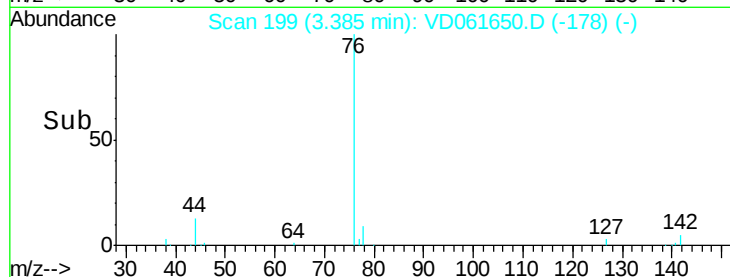
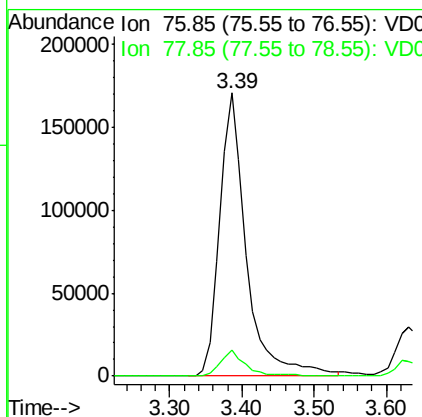
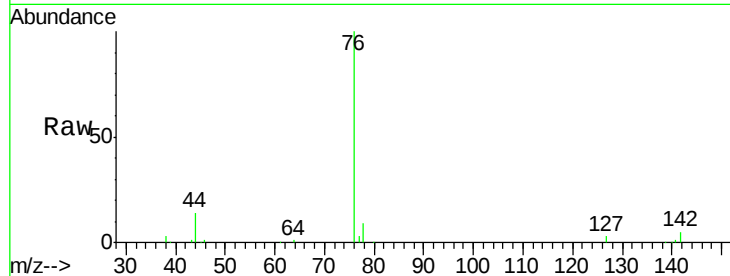




#17
Carbon Disulfide
Concen: 18.304 ug/l
RT: 3.39 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

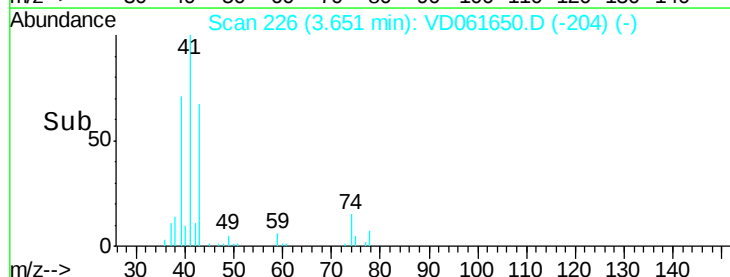
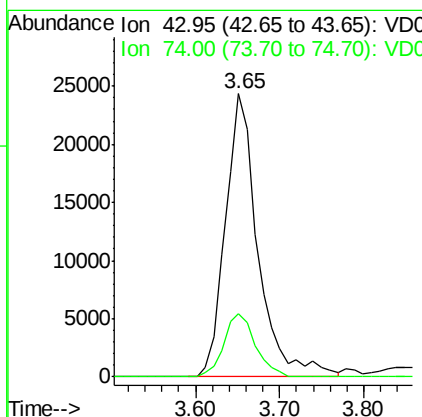
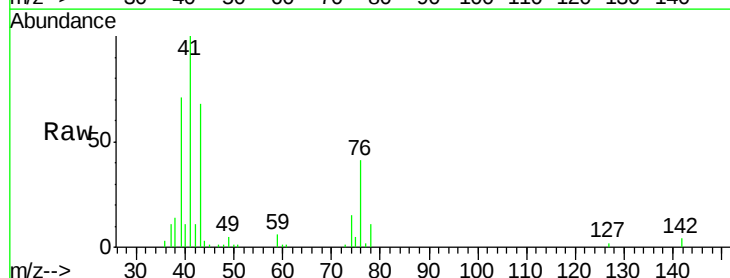
Instrument :
MSVOA_D
ClientSampleId :
VD0408SBSD01

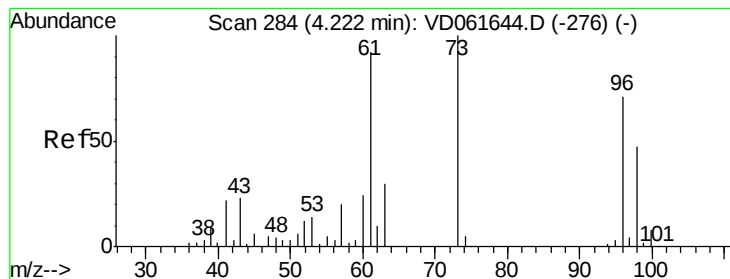
Tot Ion: 76 Resp: 436291
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 21.805 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Tgt Ion: 43 Resp: 65410
Ion Ratio Lower Upper
43 100
74 22.3 18.2 27.2



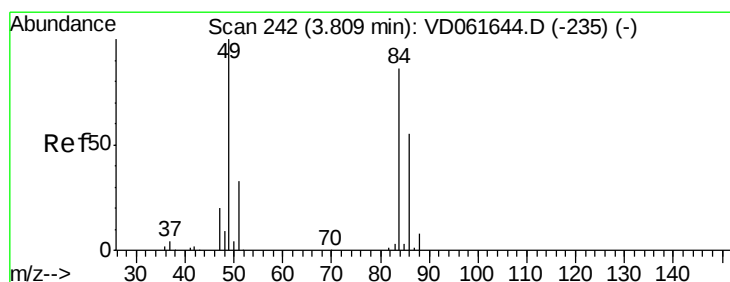
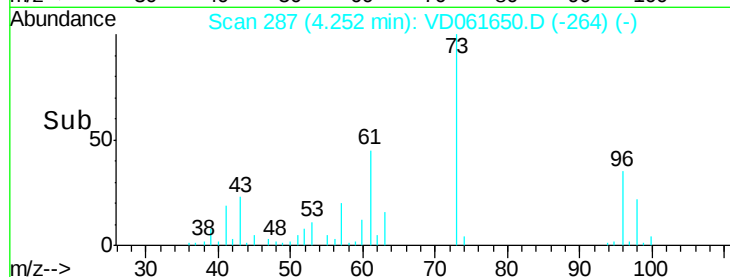
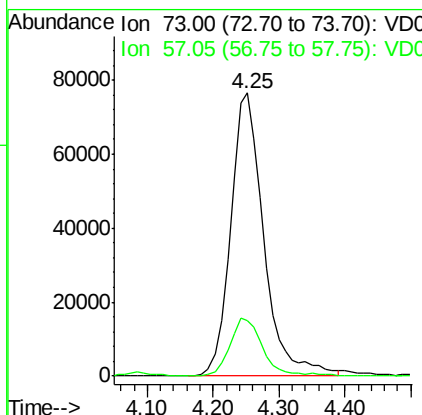
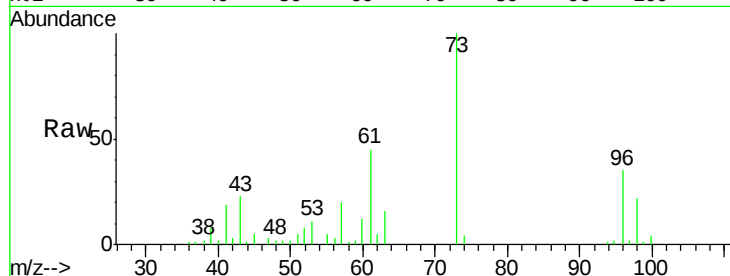


#19

Methvl tert-butvl Ether
 Concen: 21.226 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.03 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBSD01

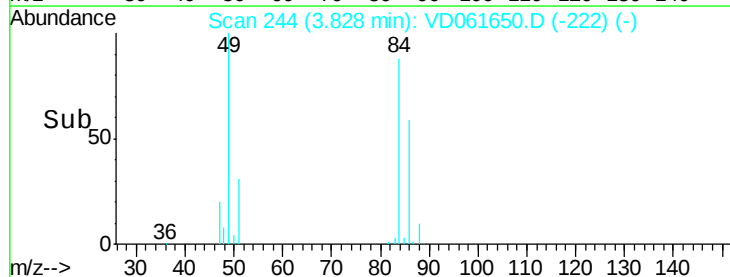
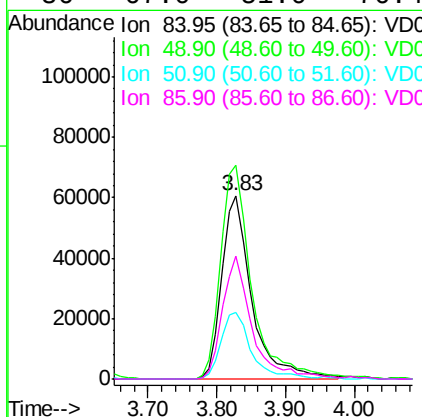
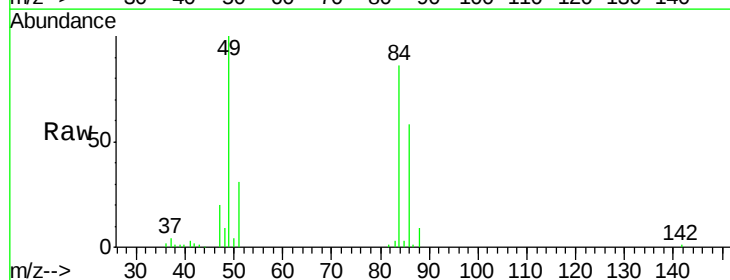
Tot Ion: 73 Resp: 269607
 Ion Ratio Lower Upper
 73 100
 57 19.9 16.0 24.0

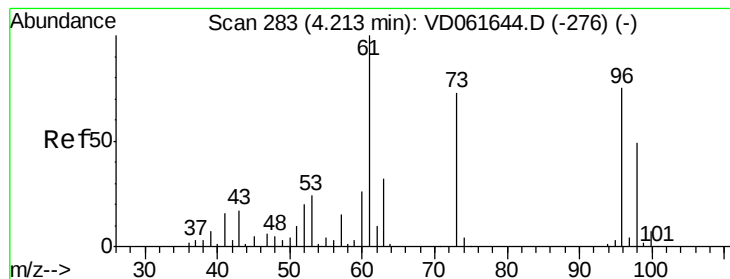


#20

Methylene Chloride
 Concen: 20.266 ug/l
 RT: 3.83 min Scan# 244
 Delta R.T. 0.02 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Tgt Ion: 84 Resp: 183362
 Ion Ratio Lower Upper
 84 100
 49 116.5 93.0 139.4
 51 36.0 30.4 45.6
 86 67.0 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 20.469 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.02 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBSD01

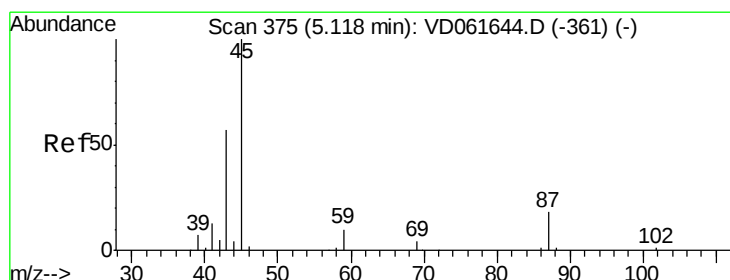
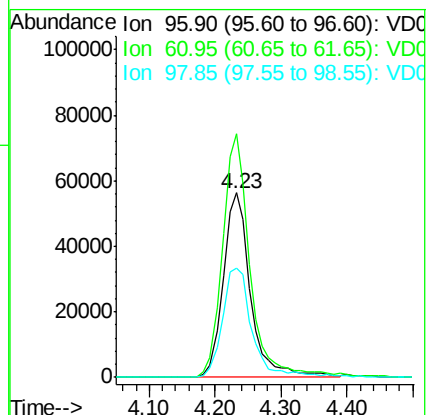
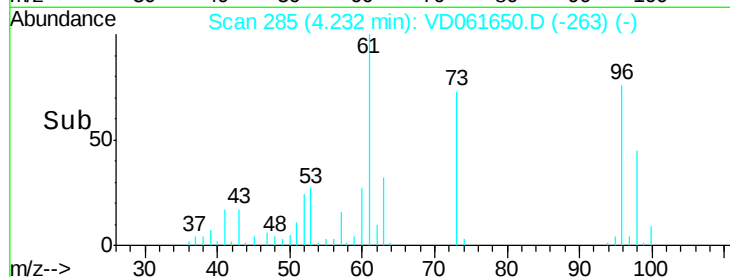
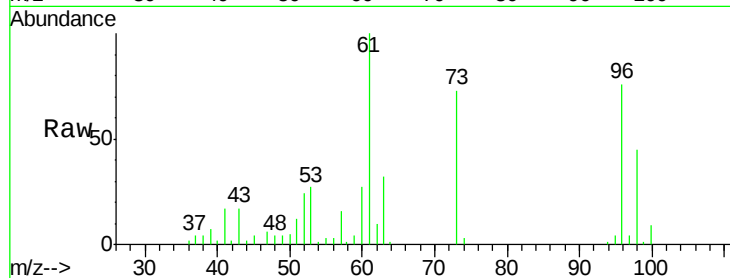
Tot Ion: 96 Resp: 163084

Ion Ratio Lower Upper

96 100

61 132.0 106.8 160.2

98 59.5 52.2 78.2



#22

Diisopropyl ether

Concen: 19.692 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Tgt Ion: 45 Resp: 413077

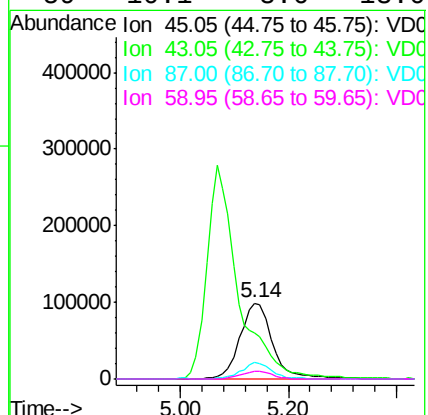
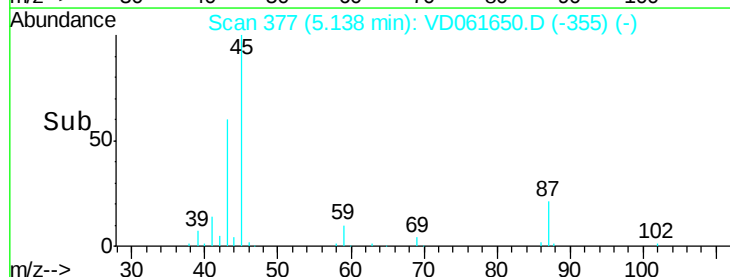
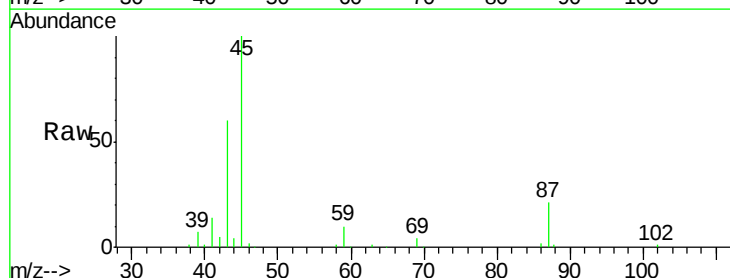
Ion Ratio Lower Upper

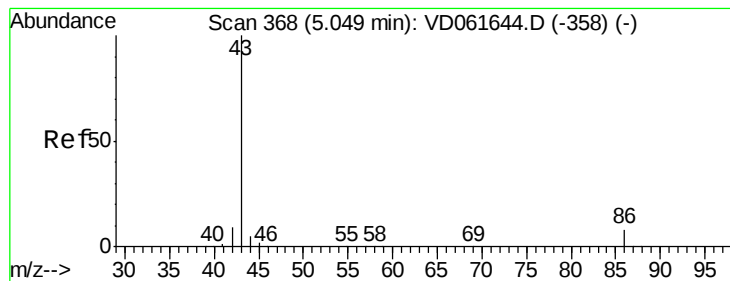
45 100

43 60.0 46.6 70.0

87 21.2 15.6 23.4

59 10.1 8.6 13.0





#23

Vinyl Acetate

Concen: 96.053 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

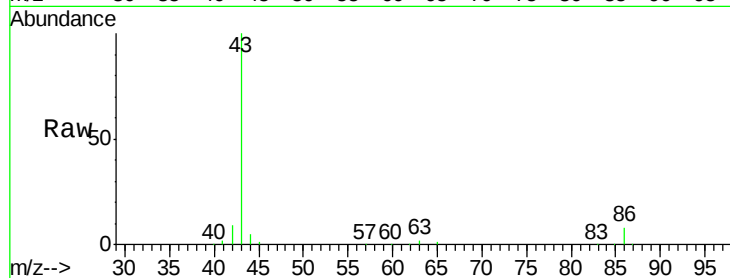
VD0408SBS01

Tot Ion: 43 Resp: 1111779

Ion Ratio Lower Upper

43 100

86 7.6 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

300000

250000

200000

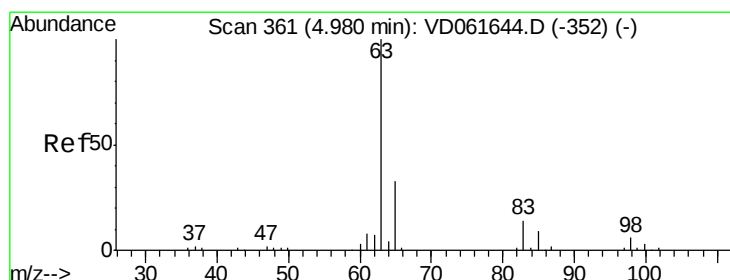
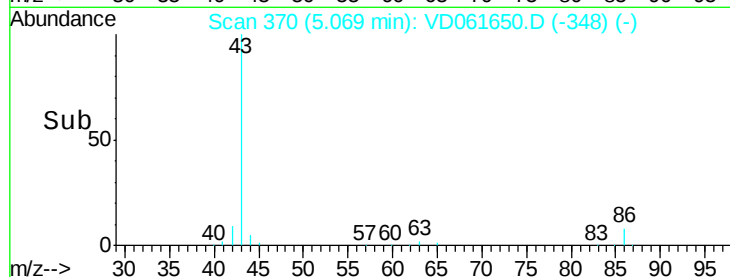
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.207 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.02 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

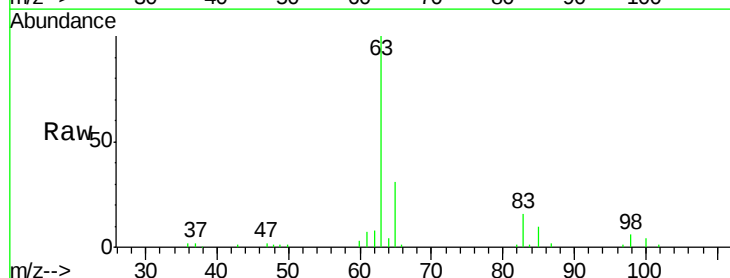
Tgt Ion: 63 Resp: 246890

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

100 4.4 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

5.00

80000

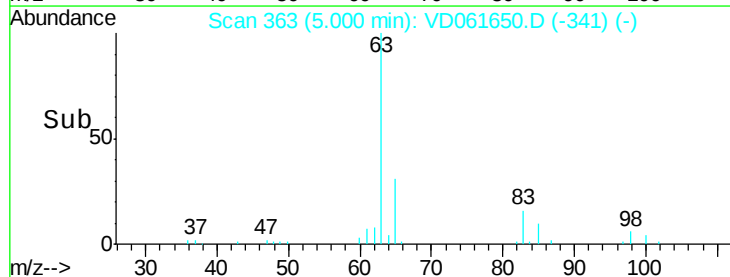
60000

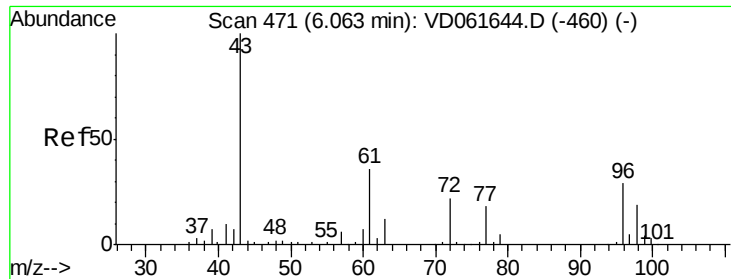
40000

20000

0

Time-->





#25

2-Butanone

Concen: 104.248 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

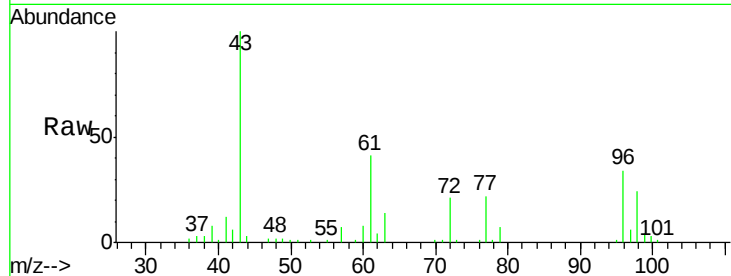
VD0408SBS01

Tot Ion: 43 Resp: 191619

Ion Ratio Lower Upper

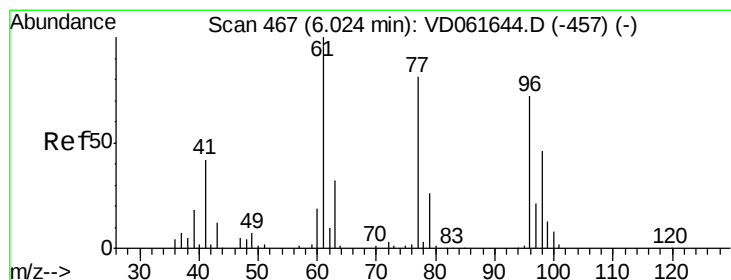
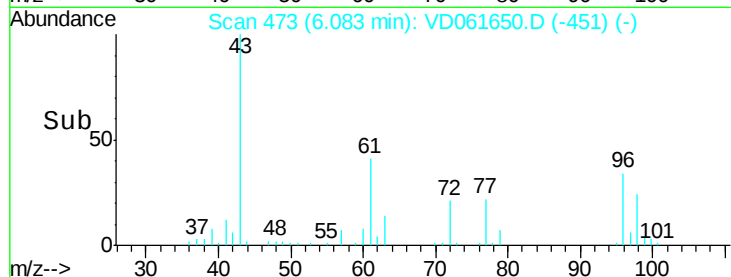
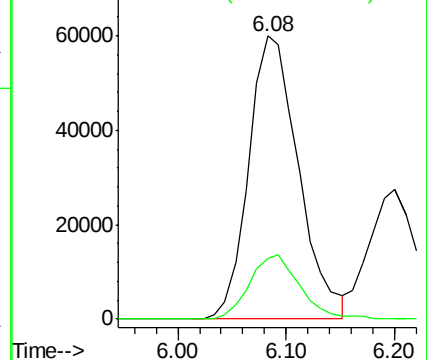
43 100

72 21.4 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: 20.326 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD061650.D

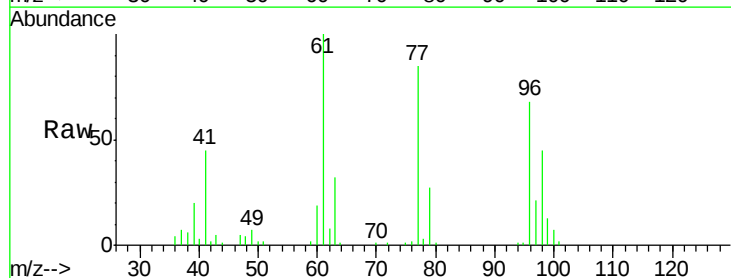
Acq: 8 Apr 2019 14:48

Tgt Ion: 77 Resp: 212751

Ion Ratio Lower Upper

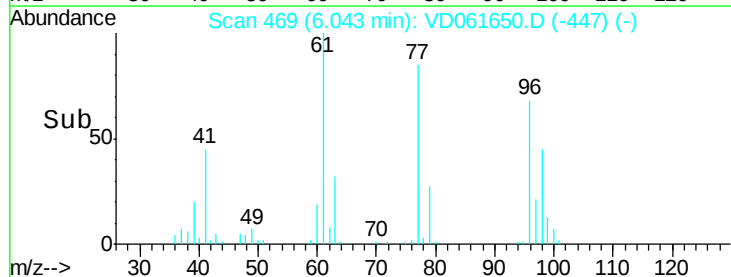
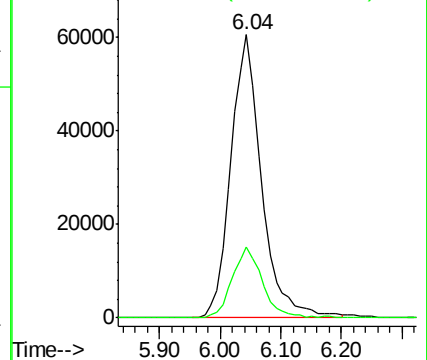
77 100

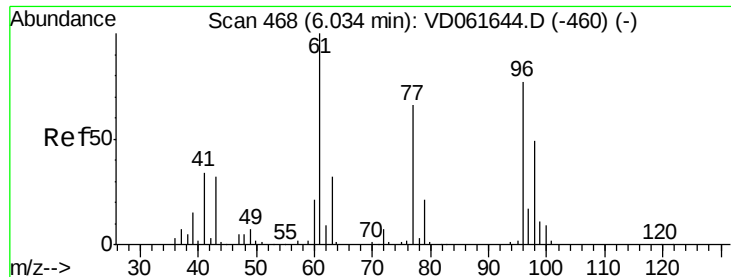
97 25.0 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



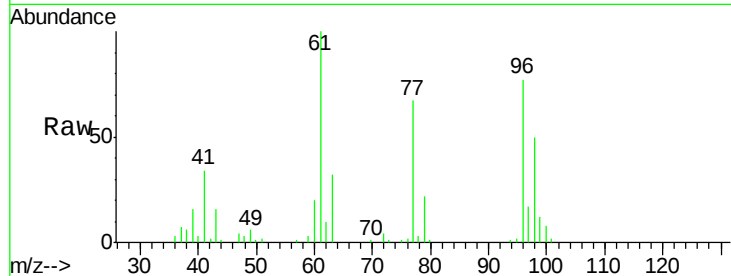


#27

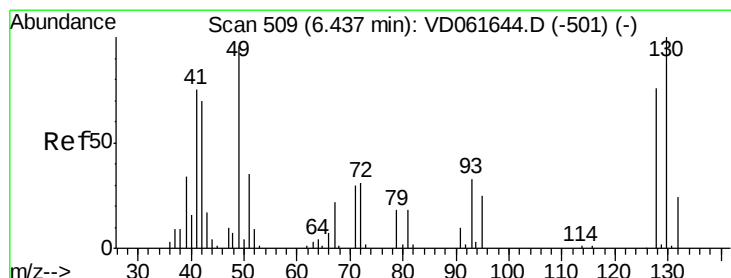
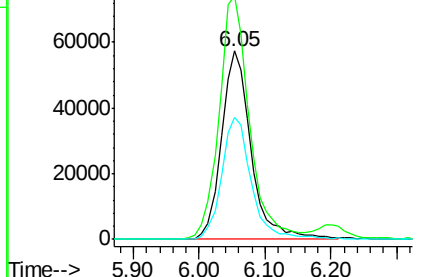
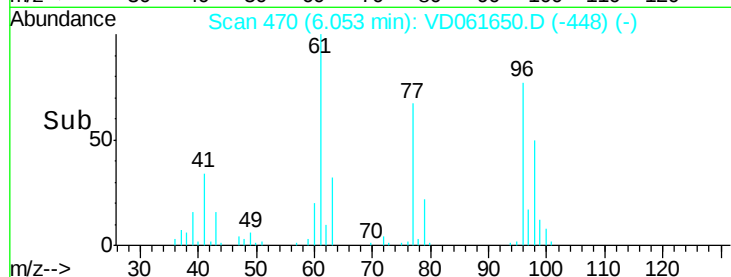
cis-1,2-Dichloroethene
 Concen: 21.196 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.02 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBSD01

Tot Ion	96	Resp	180157
Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	259.8
98	65.0	0.0	127.6



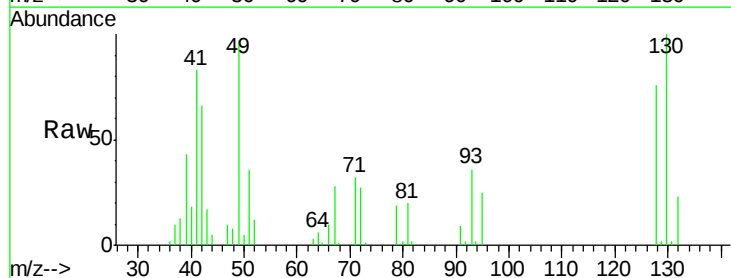
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



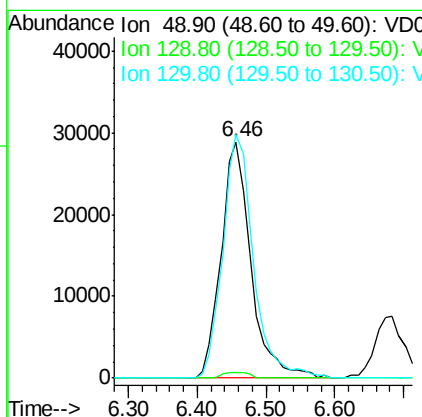
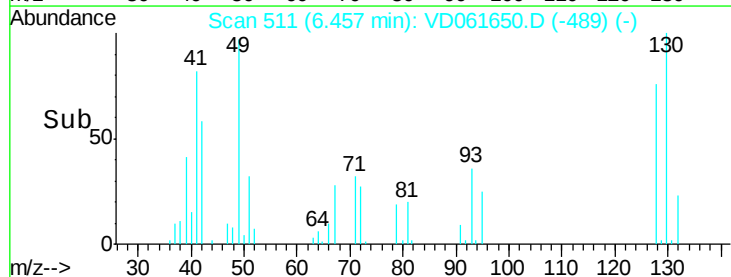
#28

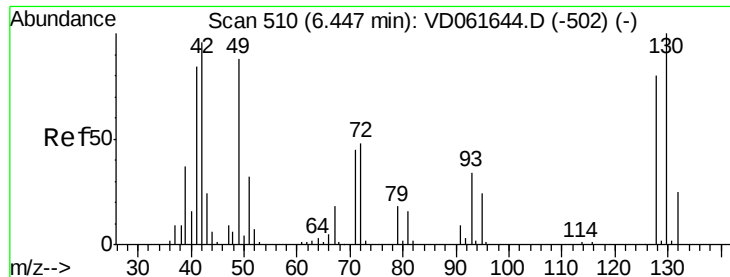
Bromochloromethane
 Concen: 18.316 ug/l
 RT: 6.46 min Scan# 511
 Delta R.T. 0.02 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Tgt Ion	49	Resp	86849
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	103.2	83.3	124.9



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

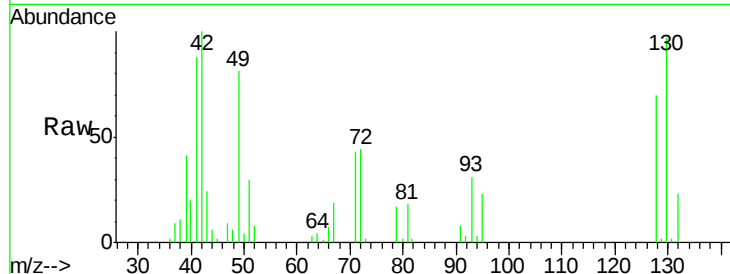




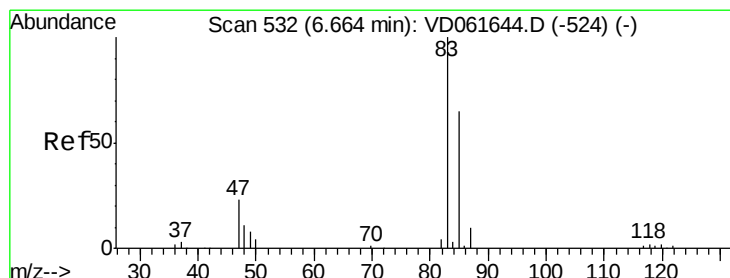
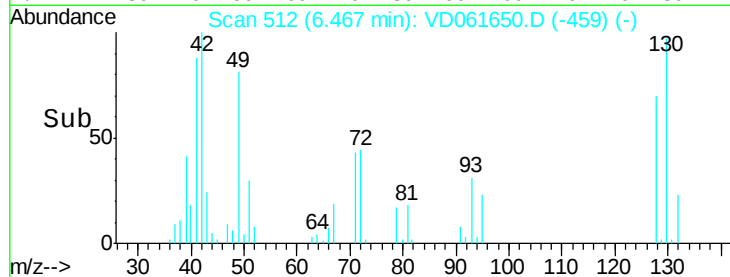
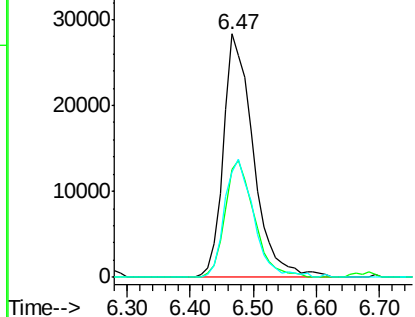
#29
Tetrahydrofuran
Concen: 105.109 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0408SBSD01

Tot Ion: 42 Resp: 93265
Ion Ratio Lower Upper
42 100
72 46.8 37.0 55.6
71 47.3 36.5 54.7

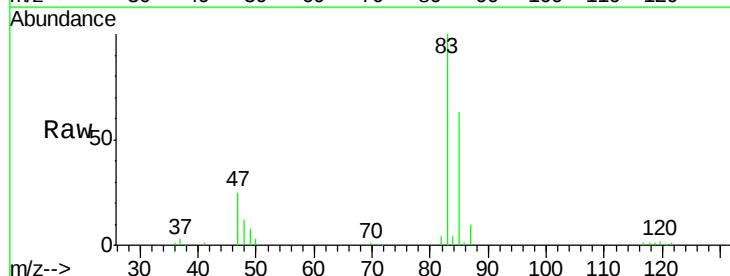


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

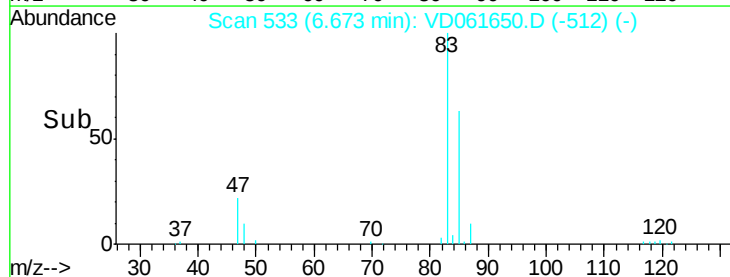
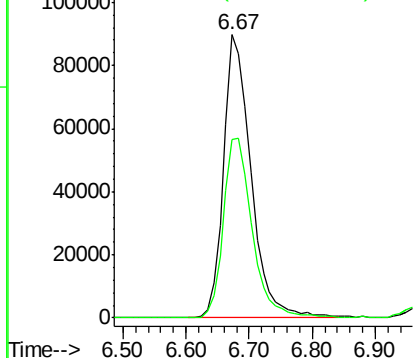


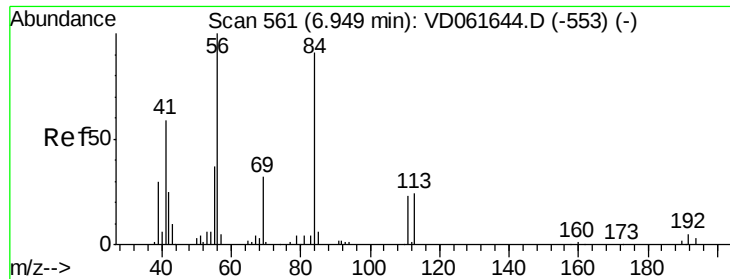
#30
Chloroform
Concen: 20.157 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.01 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Tgt Ion: 83 Resp: 271435
Ion Ratio Lower Upper
83 100
85 62.8 51.9 77.9



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

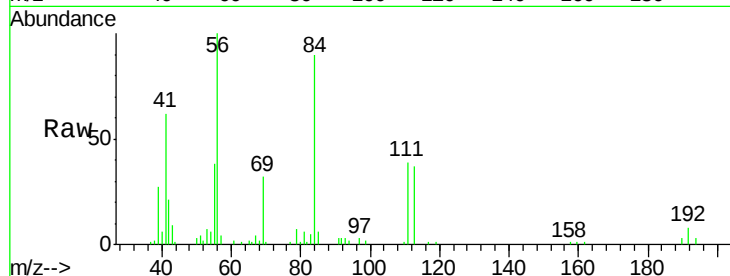




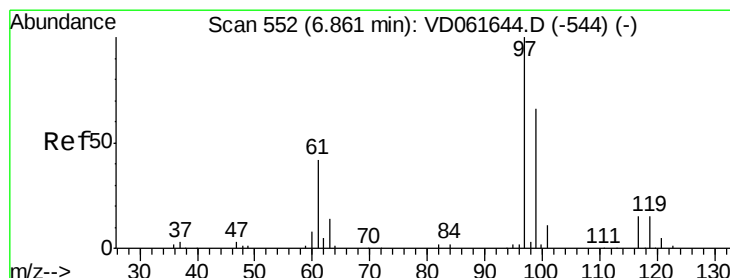
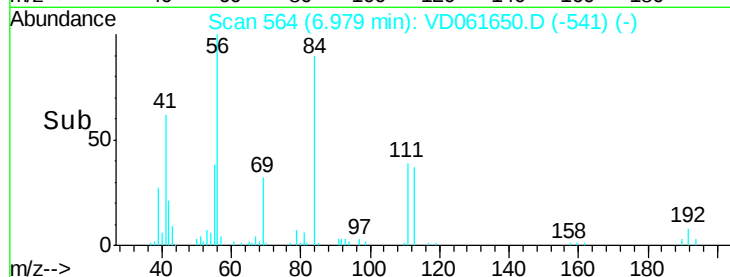
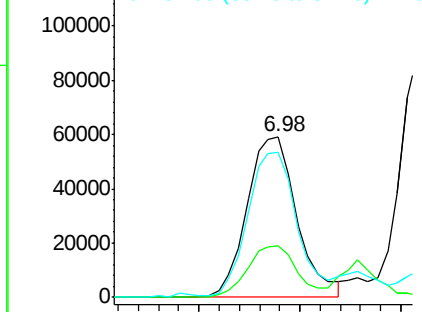
#31
Cyclohexane
Concen: 20.275 ug/l
RT: 6.98 min Scan# 564
Delta R.T. 0.03 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

Tot Ion	56	Resp	203602
Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.8	38.6
84	90.0	74.2	111.2

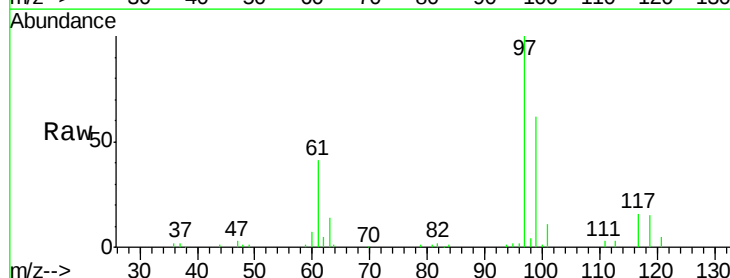


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

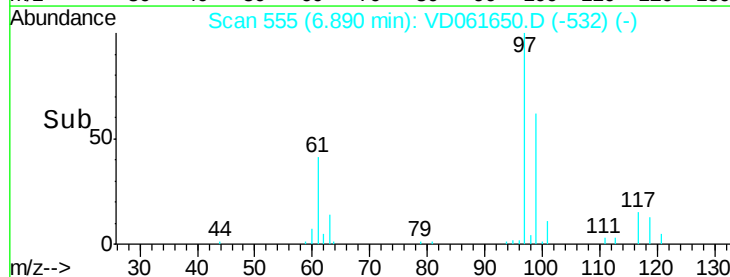
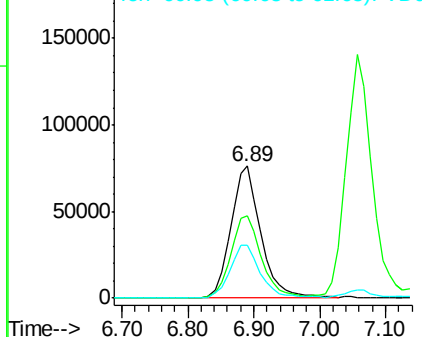


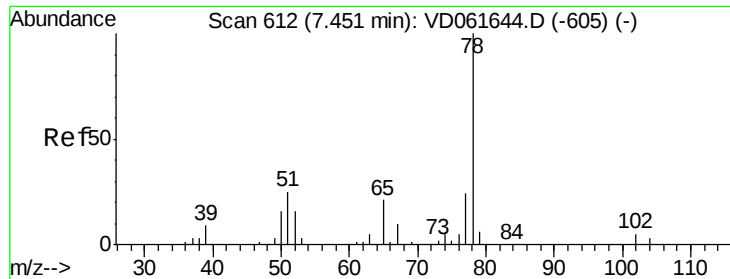
#32
1,1,1-Trichloroethane
Concen: 20.644 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.03 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Tgt Ion	97	Resp	243616
Ion	Ratio	Lower	Upper
97	100		
99	62.4	52.5	78.7
61	40.6	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: 20.644 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

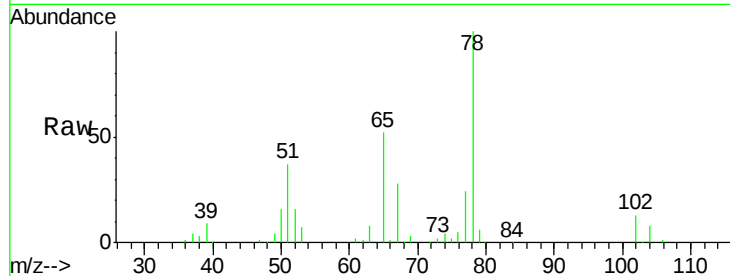
VD0408SBSD01

Tot Ion: 65 Resp: 260335

Ion Ratio Lower Upper

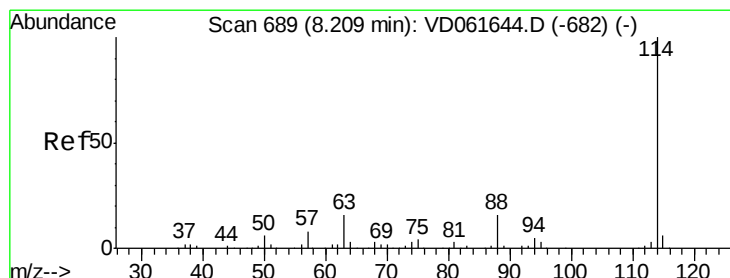
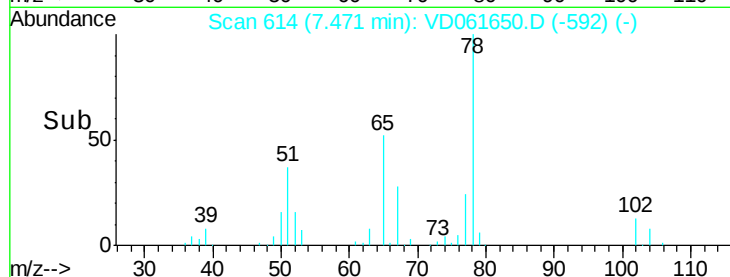
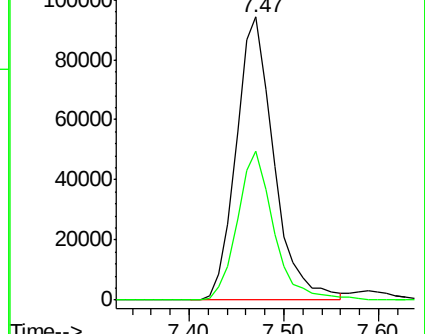
65 100

67 52.6 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

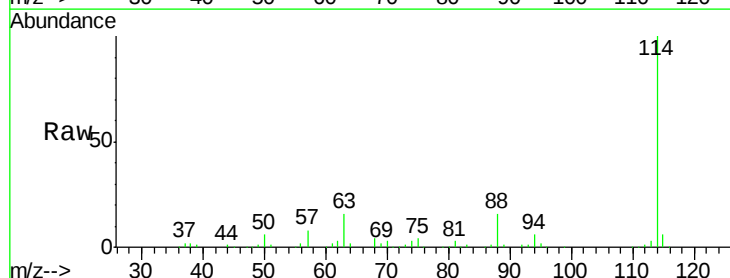
Tgt Ion: 114 Resp: 1033307

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.2

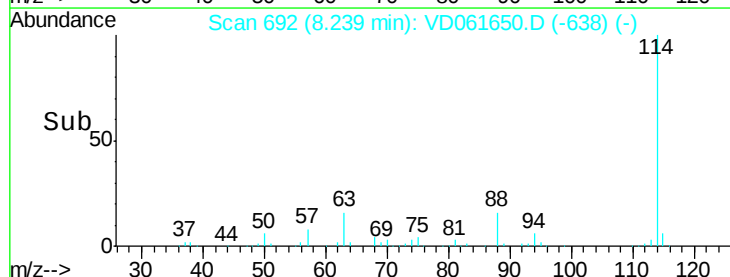
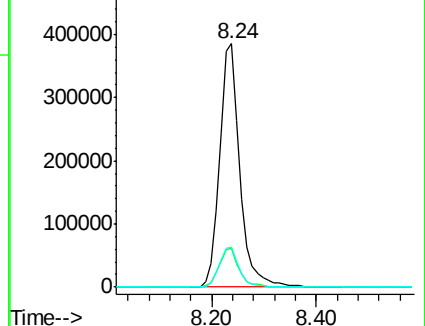
88 16.3 0.0 31.8

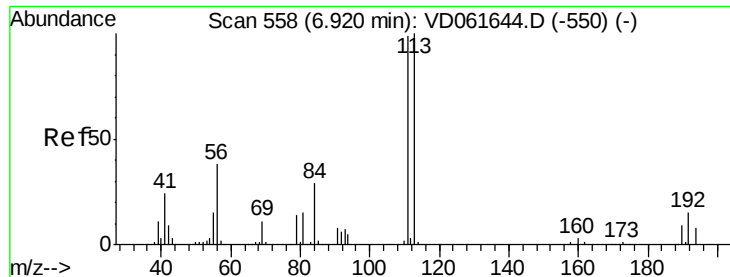


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

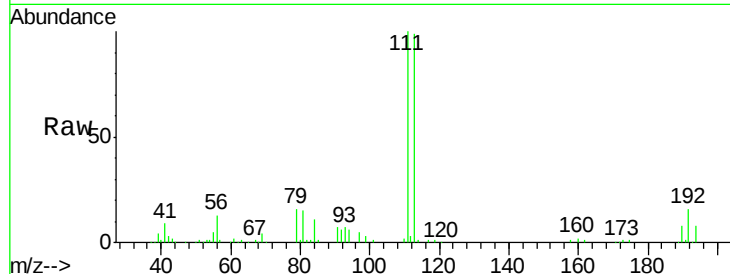




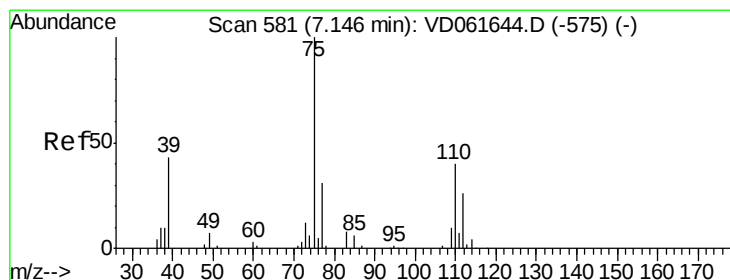
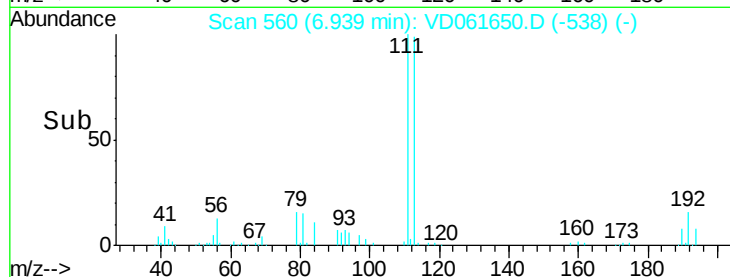
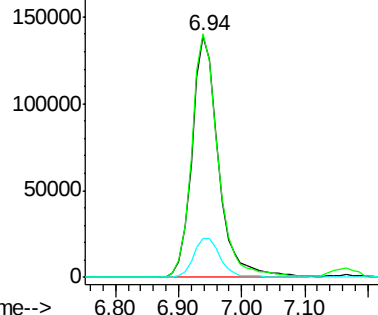
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBSD01

Tot Ion:113 Resp: 405078
 Ion Ratio Lower Upper
 113 100
 111 100.8 79.3 118.9
 192 16.3 12.3 18.5

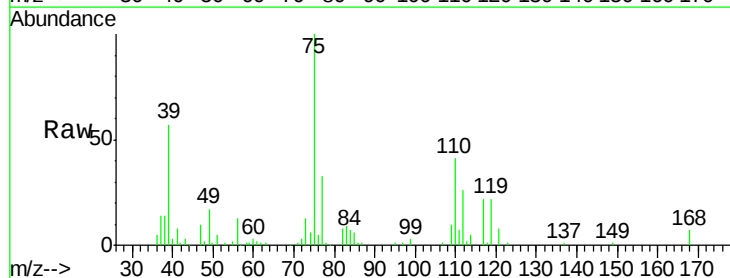


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

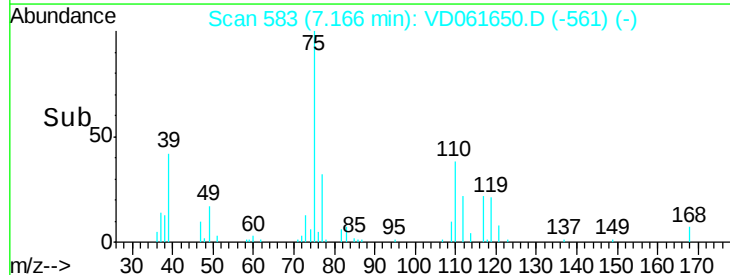
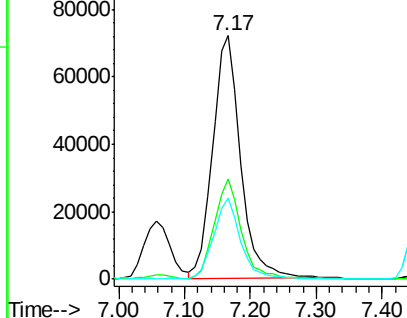


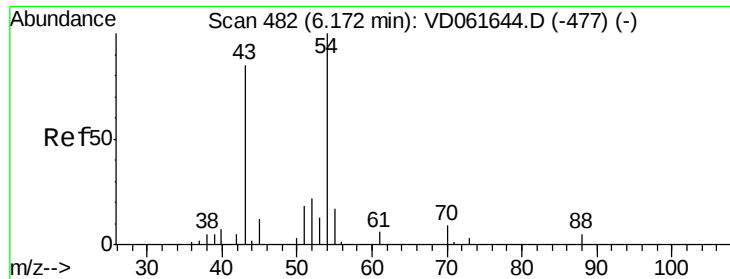
#36
 1,1-Dichloropropene
 Concen: 23.245 ug/l
 RT: 7.17 min Scan# 583
 Delta R.T. 0.02 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Tgt Ion: 75 Resp: 210214
 Ion Ratio Lower Upper
 75 100
 110 41.1 19.7 59.0
 77 33.4 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

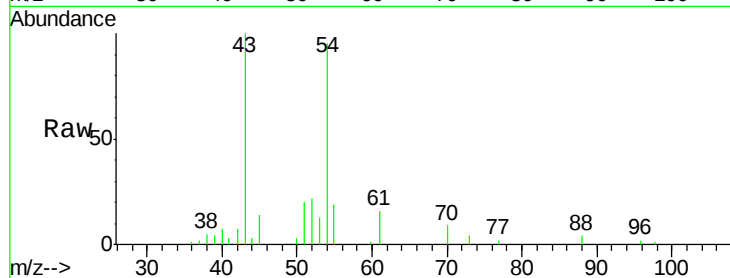




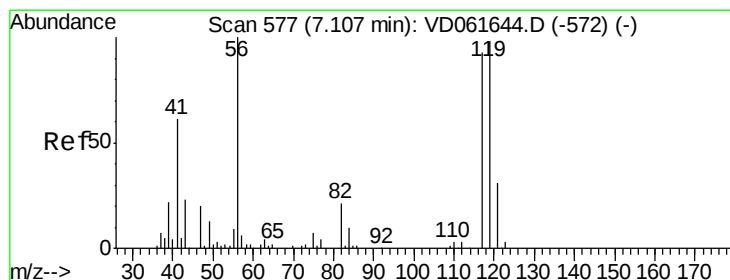
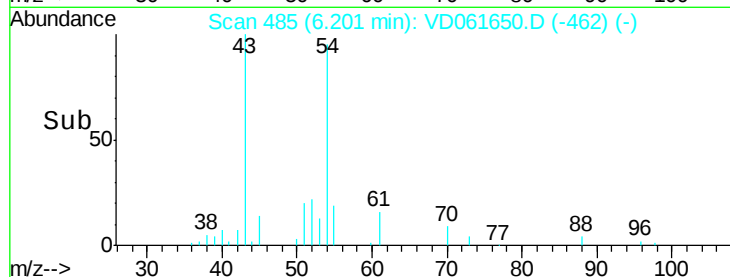
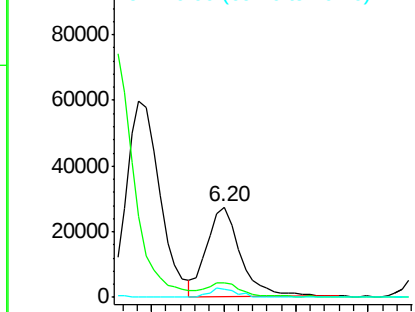
#37
Ethyl Acetate
Concen: 24.049 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.03 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0408SBSD01

Tot Ion: 43 Resp: 88585
Ion Ratio Lower Upper
43 100
61 16.3 11.9 17.9
70 9.5 6.9 10.3

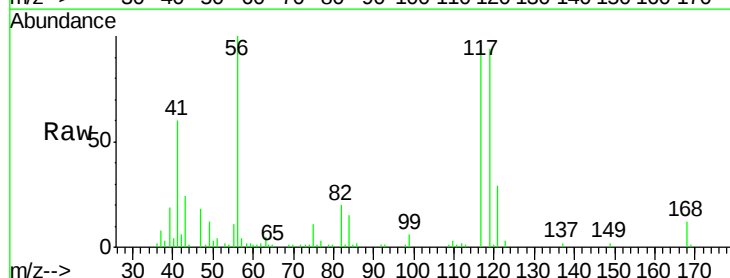


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

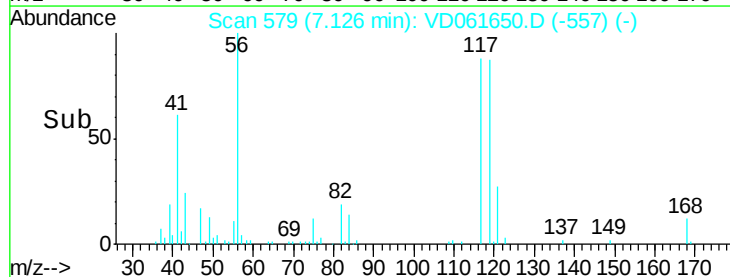
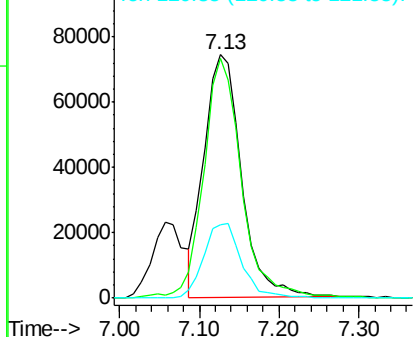


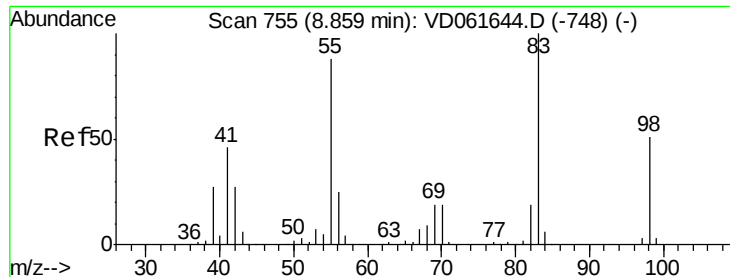
#38
Carbon Tetrachloride
Concen: 23.049 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.02 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Tgt Ion: 117 Resp: 244295
Ion Ratio Lower Upper
117 100
119 98.3 77.9 116.9
121 30.1 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

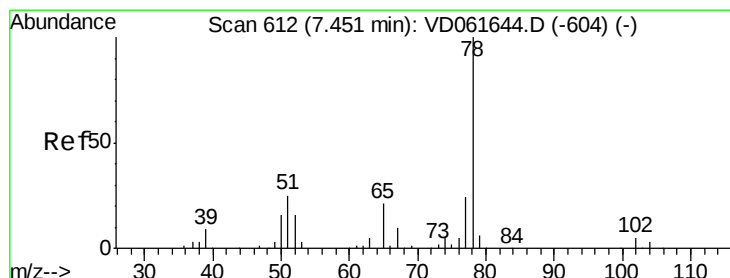
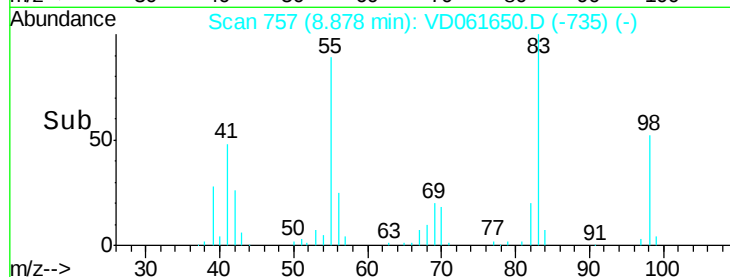
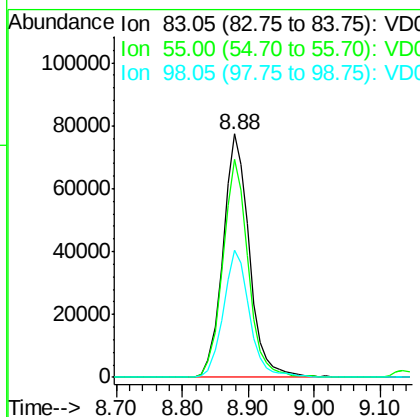
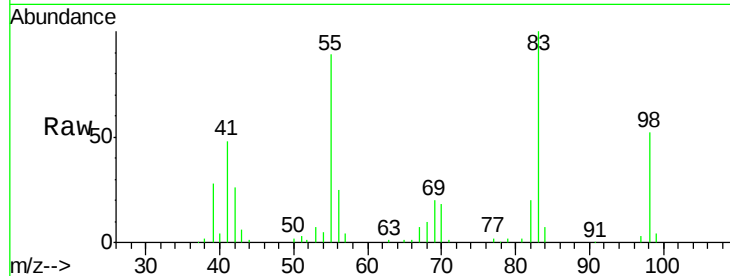




#39
Methvlcvclohexane
Concen: 23.204 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

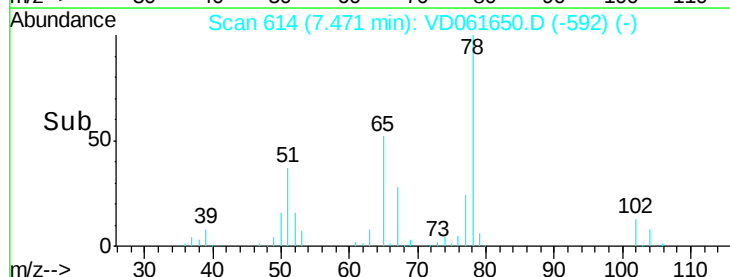
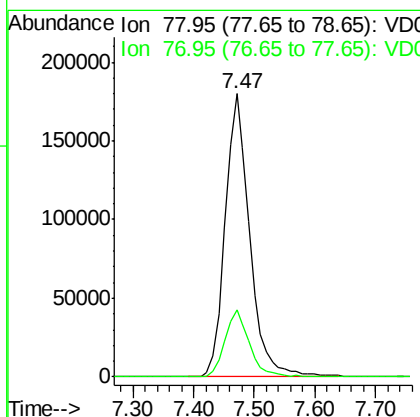
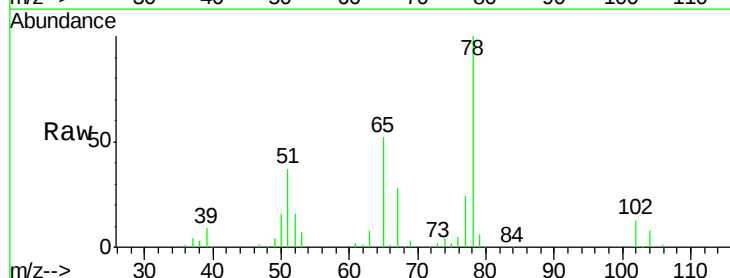
Instrument :
MSVOA_D
ClientSampleId :
VD0408SBSD01

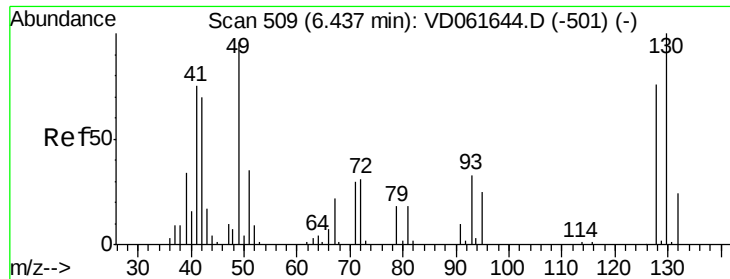
Tot Ion: 83 Resp: 215433
Ion Ratio Lower Upper
83 100
55 89.4 70.3 105.5
98 52.3 41.0 61.6



#40
Benzene
Concen: 23.122 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.02 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Tgt Ion: 78 Resp: 504440
Ion Ratio Lower Upper
78 100
77 23.5 19.5 29.3

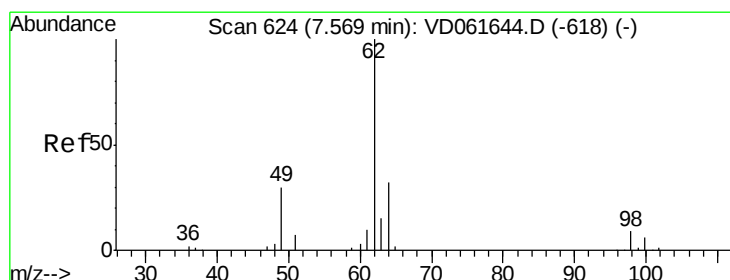
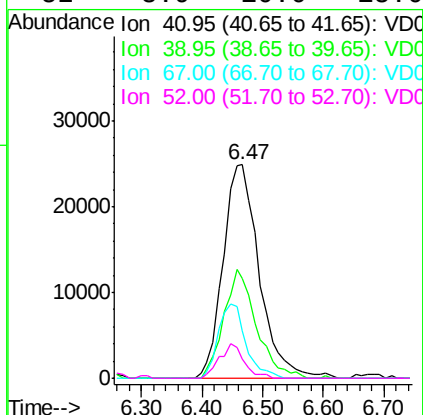
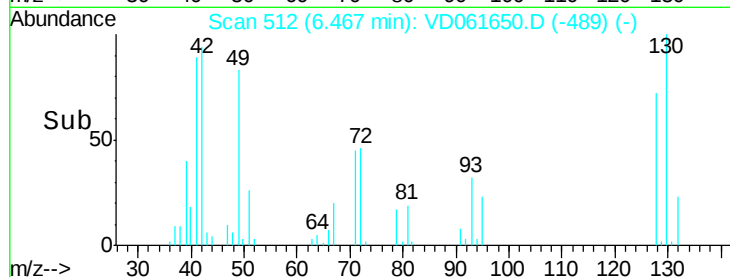
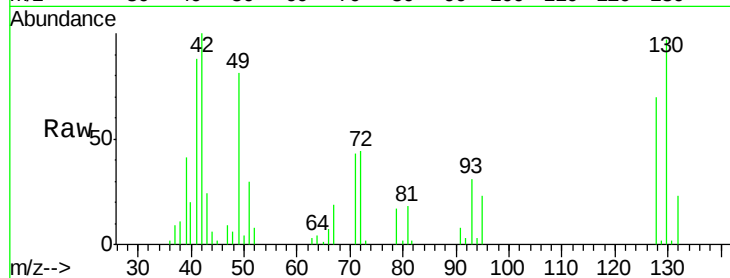




#41
Methacrylonitrile
Concen: 23.982 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.03 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

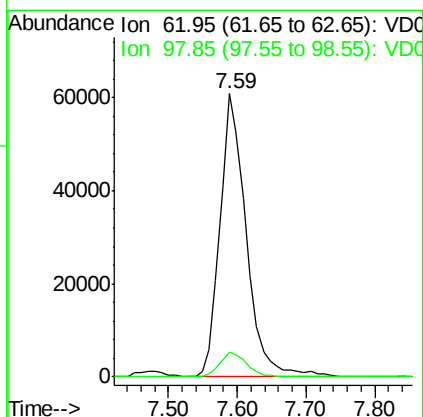
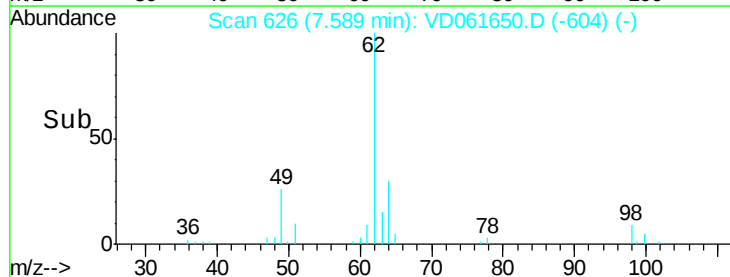
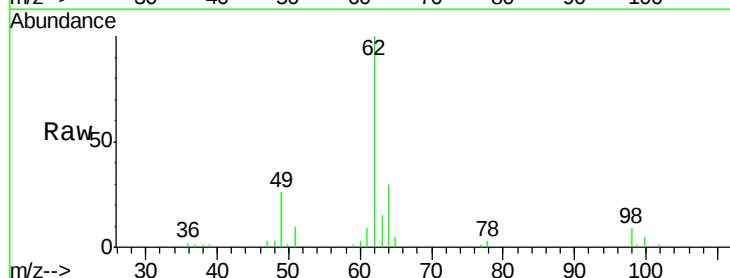
Instrument :
MSVOA_D
ClientSampleId :
VD0408SBSD01

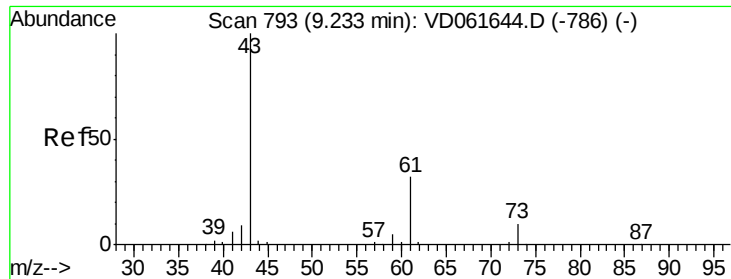
Tot Ion: 41 Resp: 103121
Ion Ratio Lower Upper
41 100
39 46.5 36.2 54.2
67 22.1 23.2 34.8#
52 8.9 10.0 15.0#



#42
1,2-Dichloroethane
Concen: 23.401 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.02 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Tgt Ion: 62 Resp: 160560
Ion Ratio Lower Upper
62 100
98 8.6 0.0 17.8



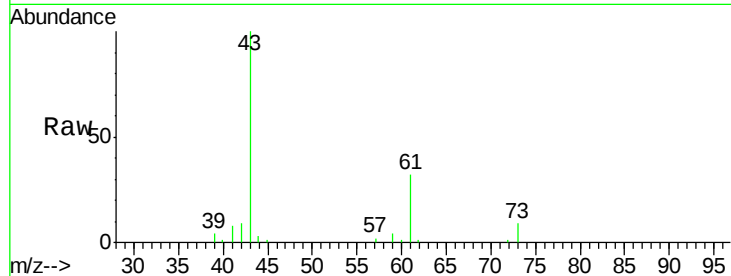


#43

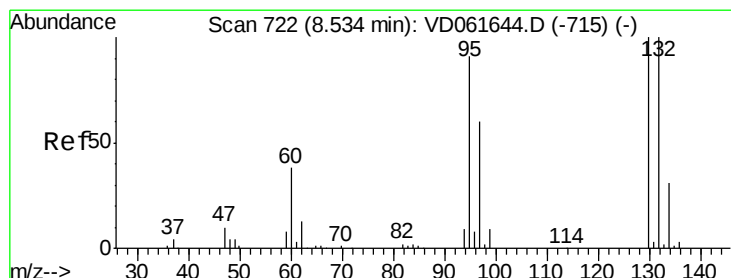
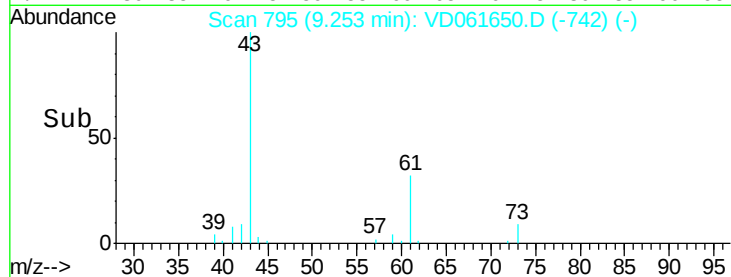
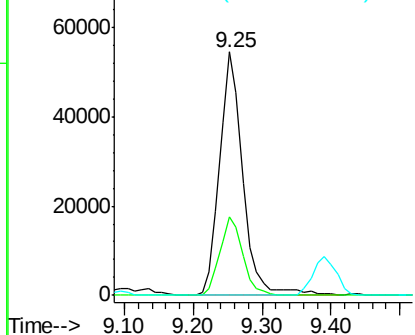
Isopropyl Acetate
 Concen: 23.971 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBSD01

Tot Ion: 43 Resp: 128143
 Ion Ratio Lower Upper
 43 100
 61 32.4 25.9 38.9
 87 0.0 0.2 0.4#



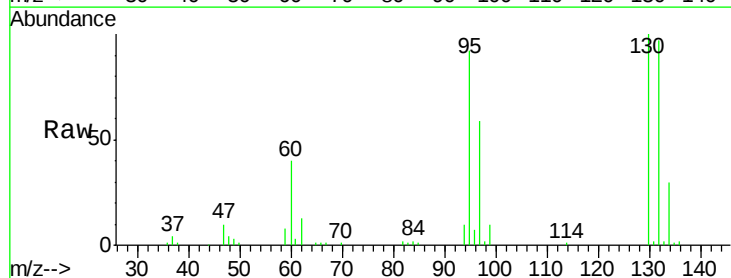
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



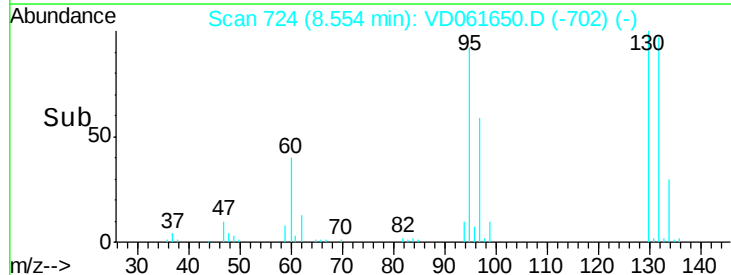
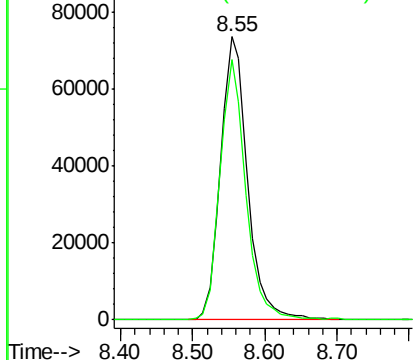
#44

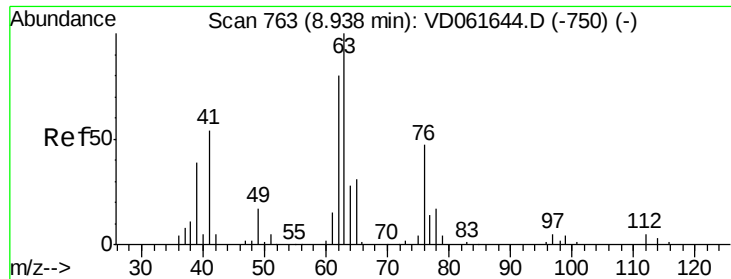
Trichloroethene
 Concen: 22.719 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.02 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Tgt Ion:130 Resp: 190018
 Ion Ratio Lower Upper
 130 100
 95 92.1 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: 23.179 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.02 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

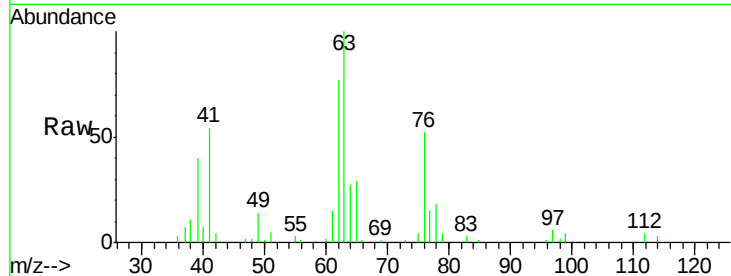
VD0408SBS01

Tot Ion: 63 Resp: 125409

Ion Ratio Lower Upper

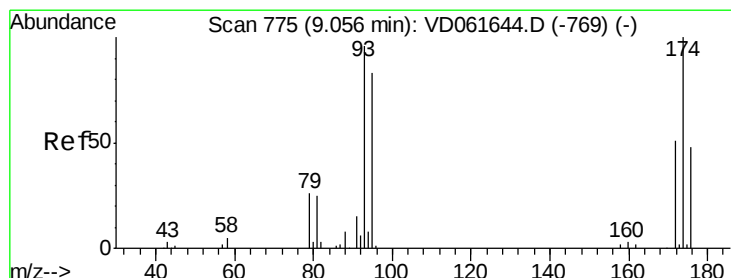
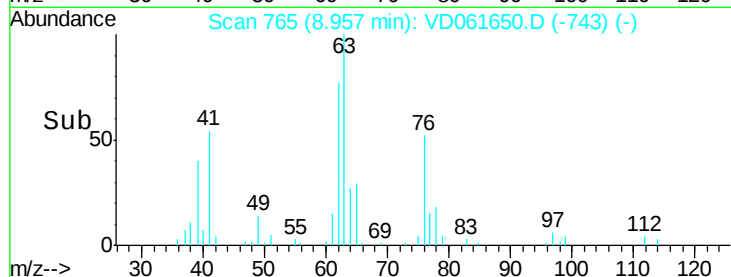
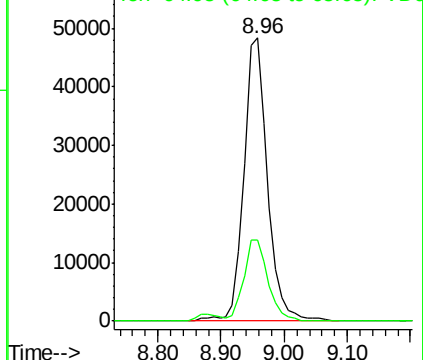
63 100

65 28.5 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: 23.466 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

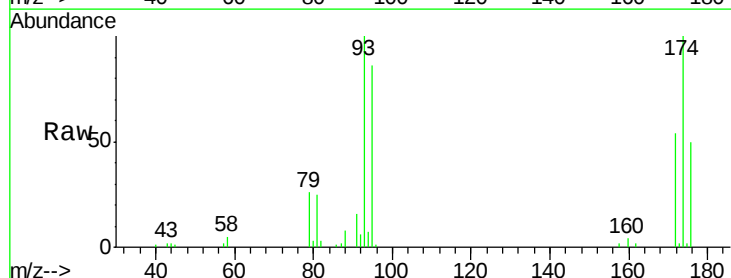
Tgt Ion: 93 Resp: 90740

Ion Ratio Lower Upper

93 100

95 86.3 68.6 103.0

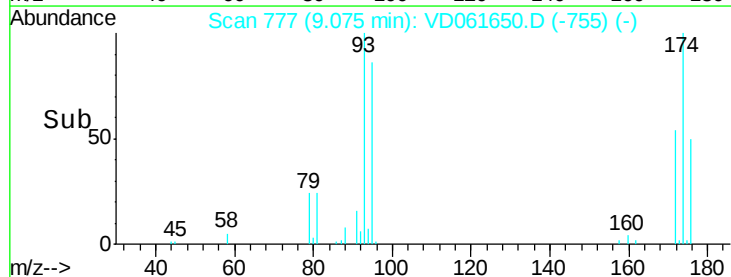
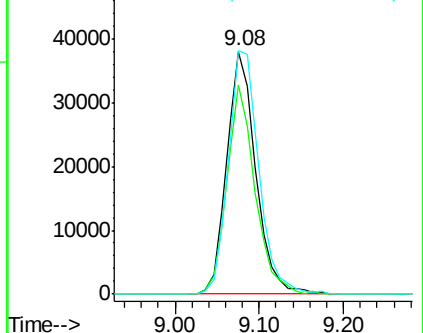
174 100.5 83.0 124.4



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): V





#47

Bromodichloromethane

Concen: 24.094 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBSD01

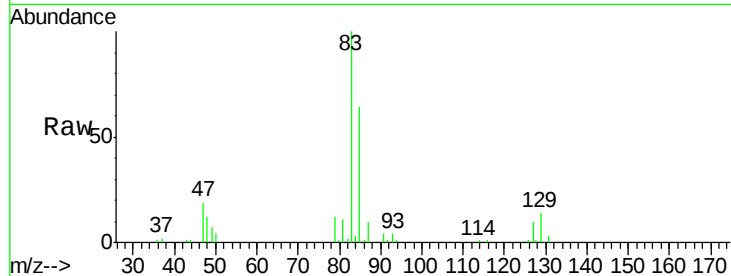
Tot Ion: 83 Resp: 204621

Ion Ratio Lower Upper

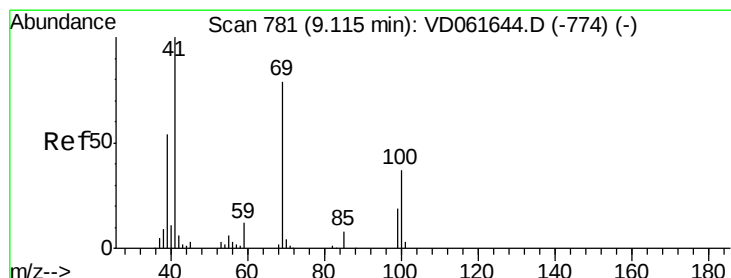
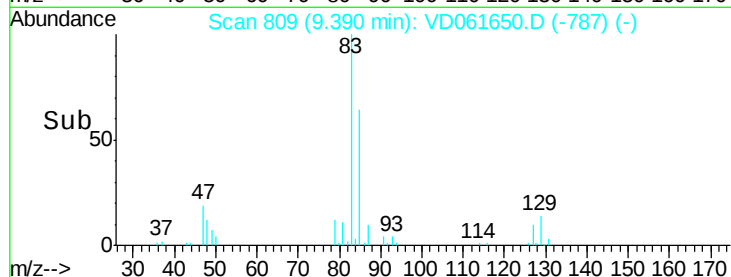
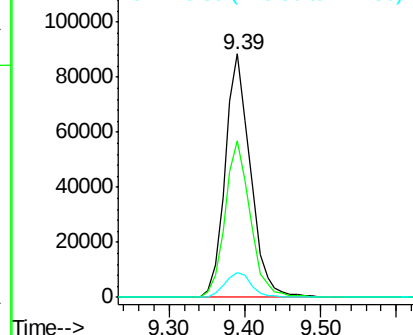
83 100

85 64.3 51.8 77.6

127 10.1 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: 25.174 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

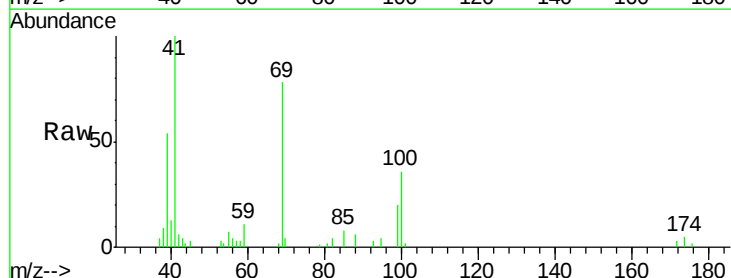
Tgt Ion: 41 Resp: 77573

Ion Ratio Lower Upper

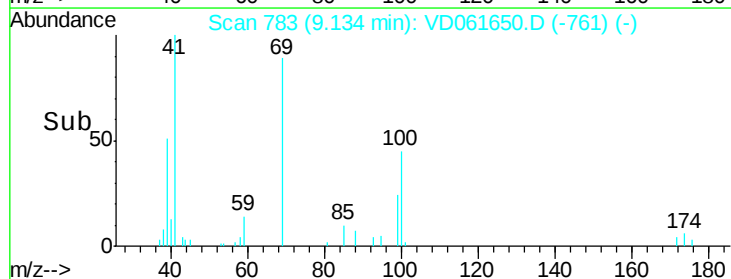
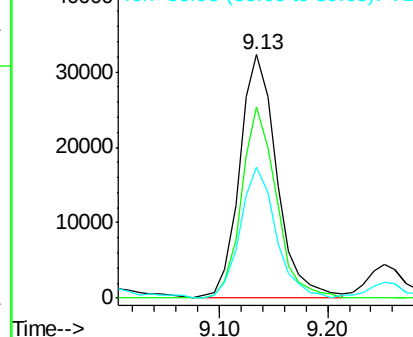
41 100

69 78.4 63.1 94.7

39 53.9 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

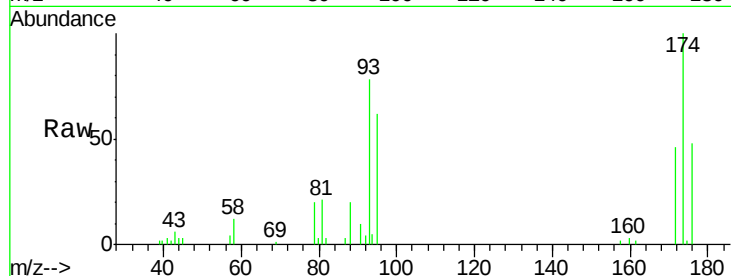




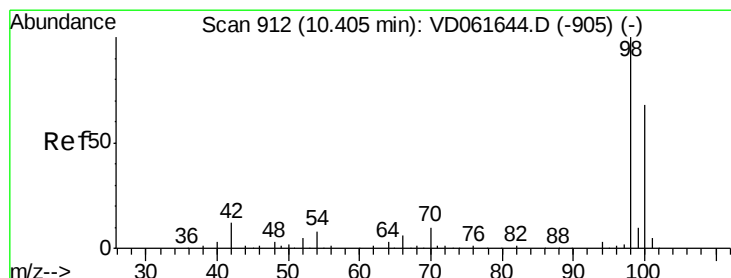
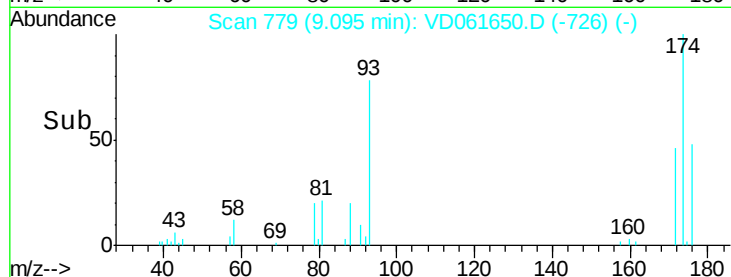
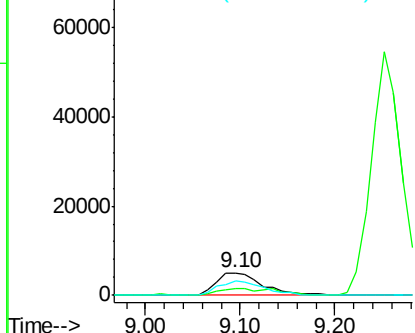
#49
1,4-Dioxane
Concen: 503.478 ug/l
RT: 9.10 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0408SBSD01

Tot Ion: 88 Resp: 17125
Ion Ratio Lower Upper
88 100
43 30.6 21.8 32.8
58 62.5 40.2 60.2#

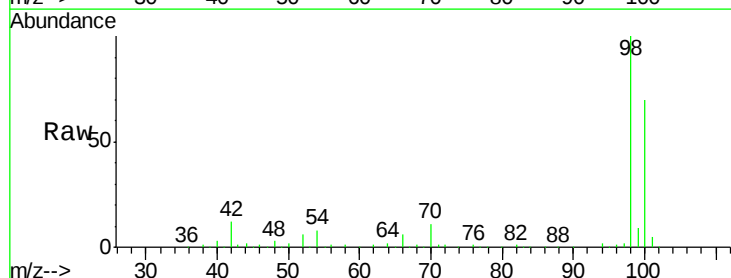


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

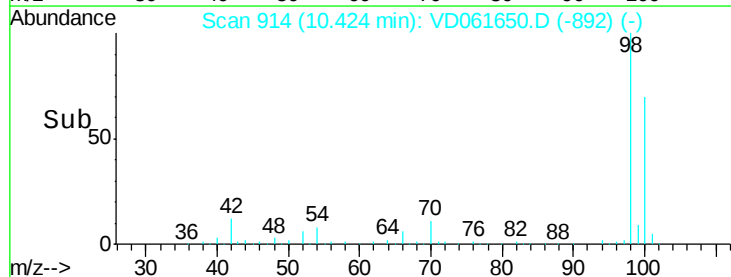
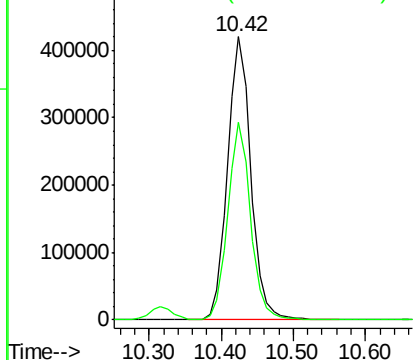


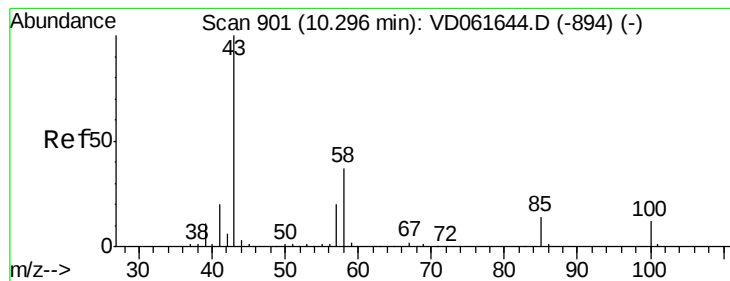
#50
Toluene-d8
Concen: 503.478 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Tgt Ion: 98 Resp: 949207
Ion Ratio Lower Upper
98 100
100 69.9 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: 115.979 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

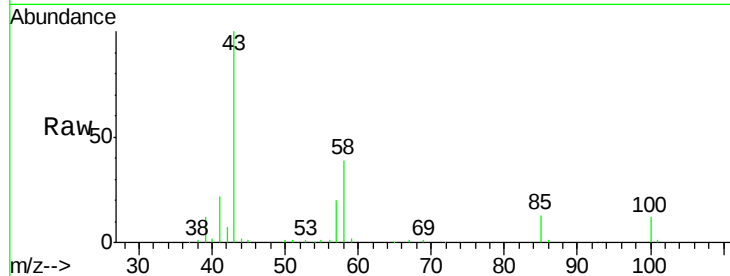
VD0408SBS01

Tot Ion: 43 Resp: 366666

Ion Ratio Lower Upper

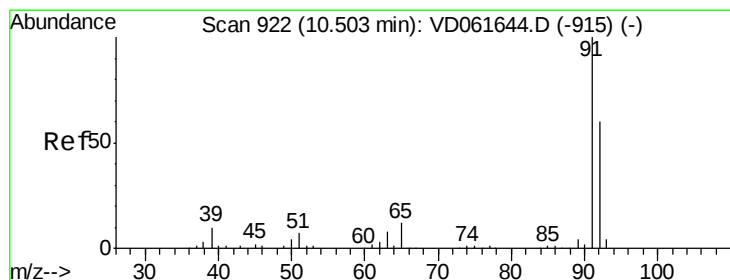
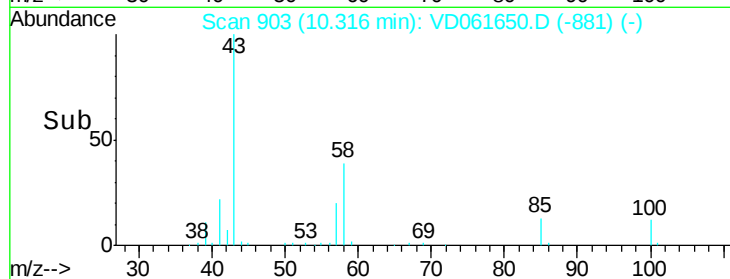
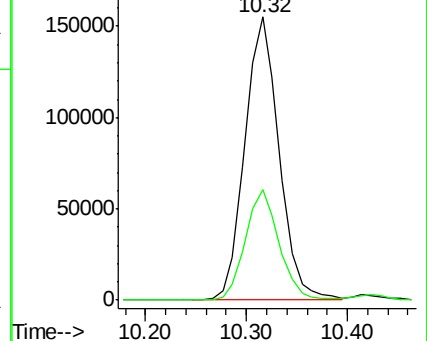
43 100

58 39.2 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: 24.555 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD061650.D

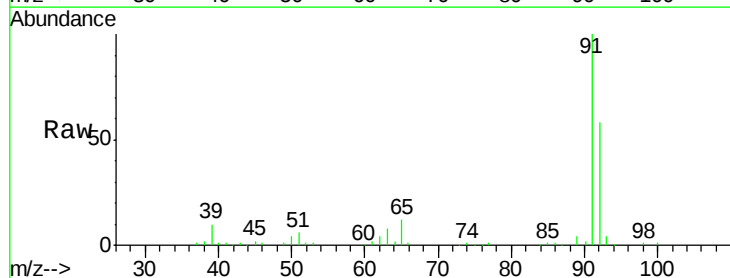
Acq: 8 Apr 2019 14:48

Tgt Ion: 92 Resp: 334521

Ion Ratio Lower Upper

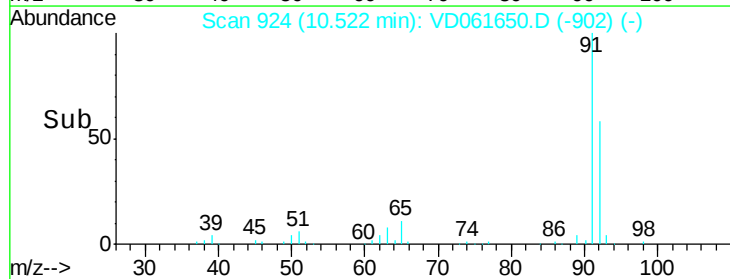
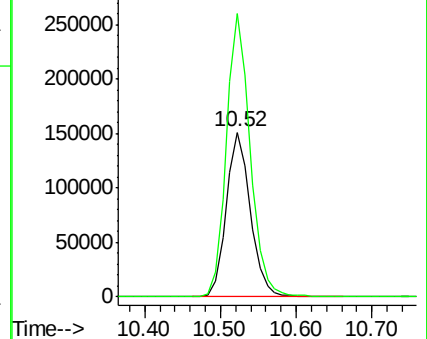
92 100

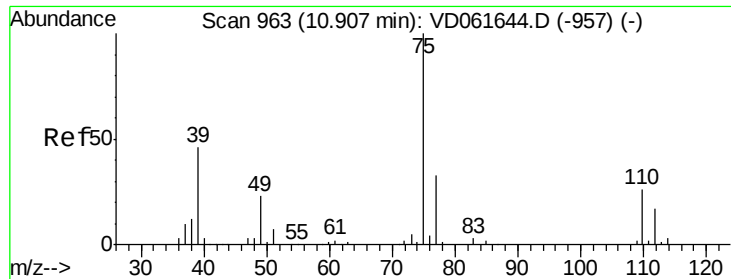
91 171.7 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

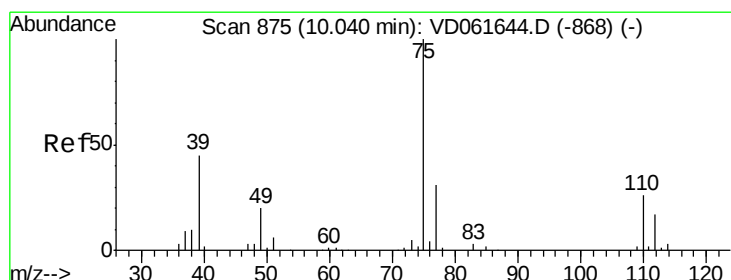
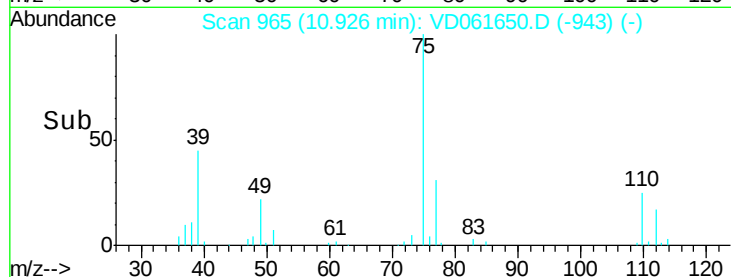
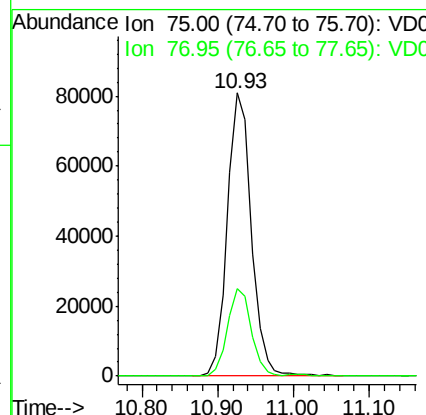
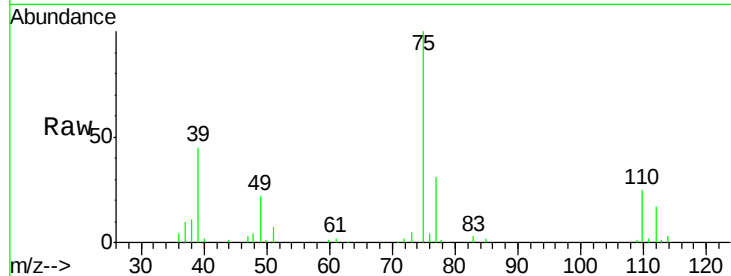




#53
 t-1,3-Dichloropropene
 Concen: 23.803 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

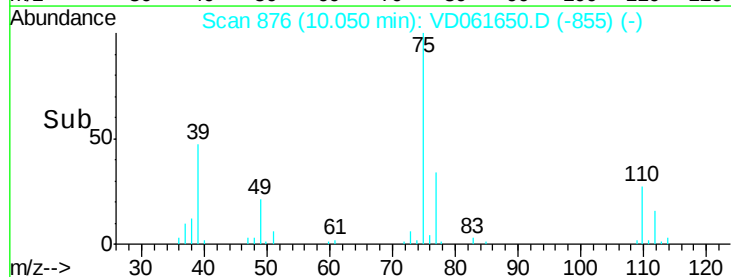
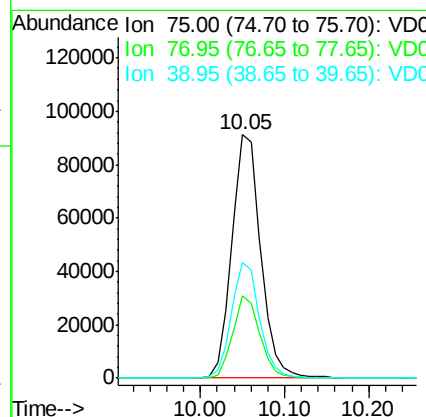
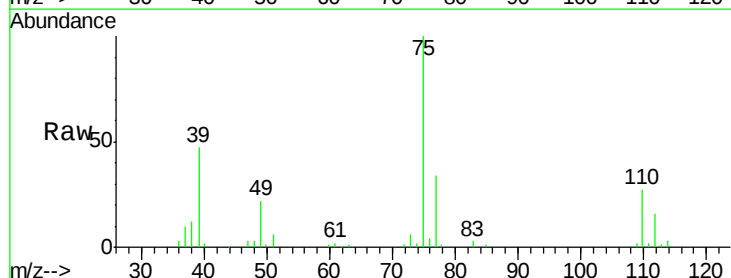
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBSD01

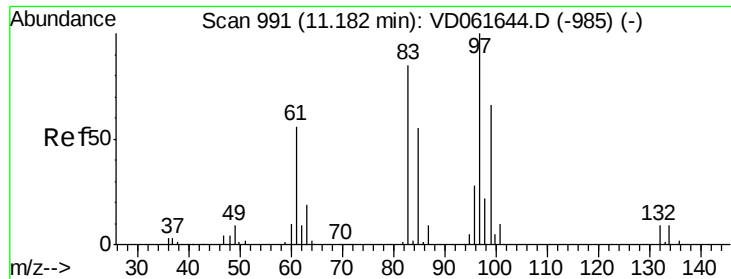
Tot Ion: 75 Resp: 177201
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 23.638 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Tgt Ion: 75 Resp: 216927
 Ion Ratio Lower Upper
 75 100
 77 33.6 24.6 37.0
 39 47.3 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 25.570 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.02 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBS01

Tot Ion: 97 Resp: 117490

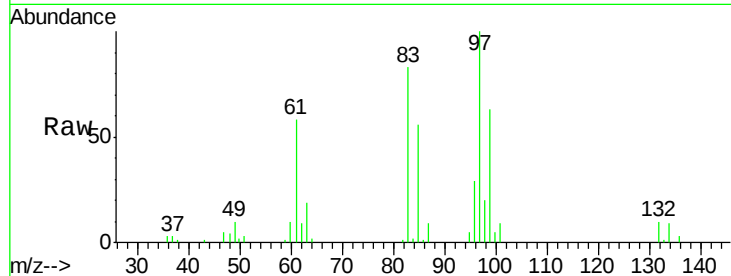
Ion Ratio Lower Upper

97 100

83 83.4 67.8 101.6

85 56.1 43.8 65.8

99 63.1 52.8 79.2

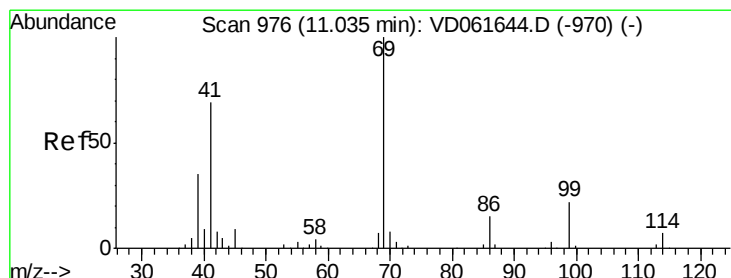
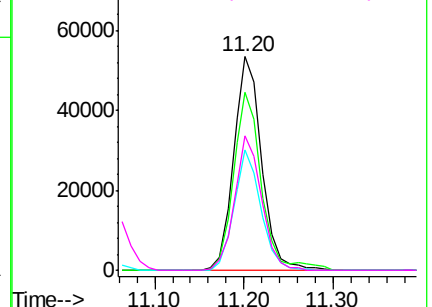
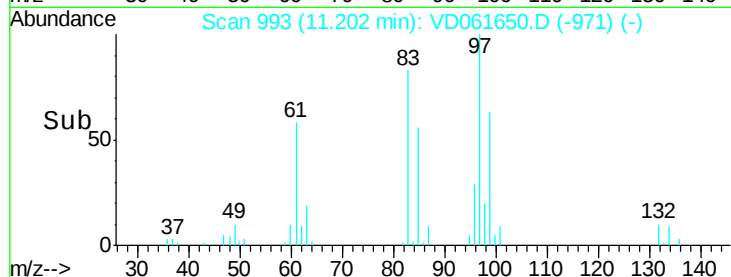


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 25.737 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.02 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

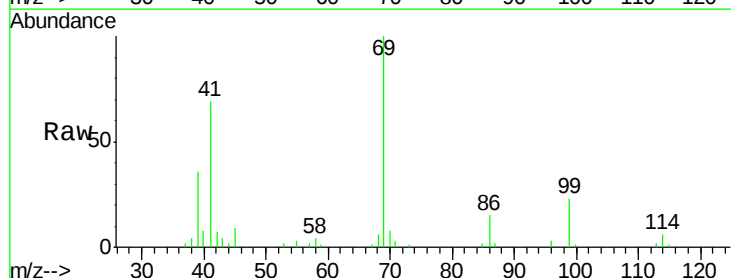
Tgt Ion: 69 Resp: 124751

Ion Ratio Lower Upper

69 100

41 69.5 55.2 82.8

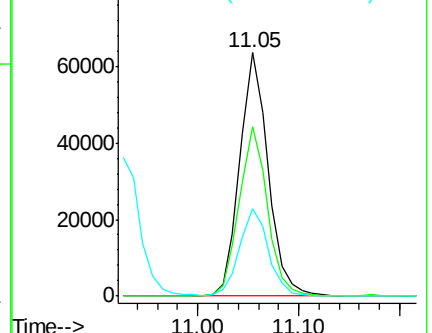
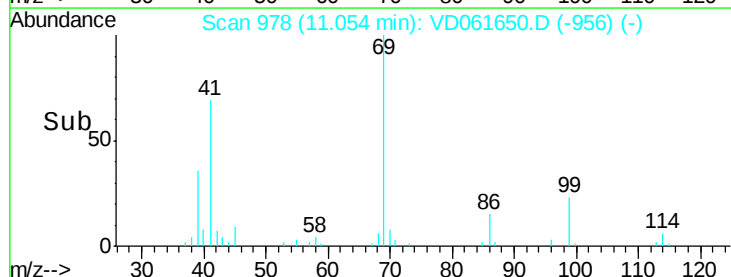
39 35.8 28.6 43.0

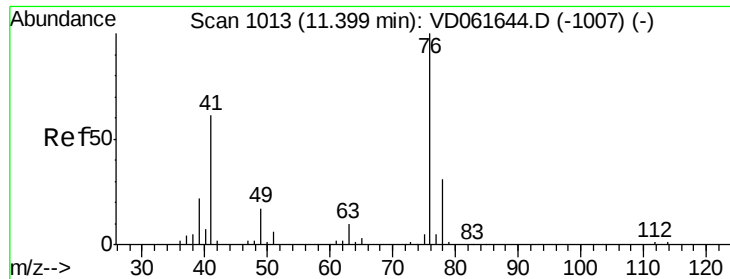


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

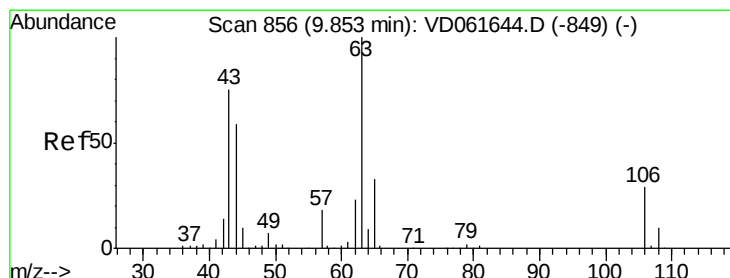
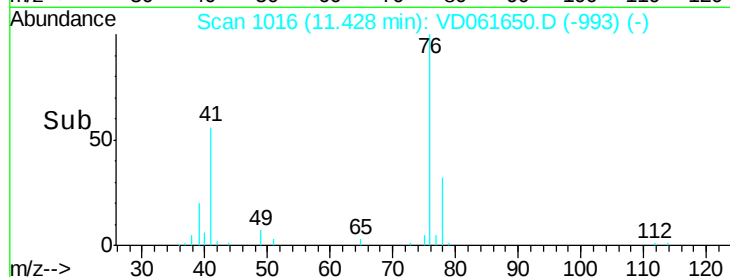
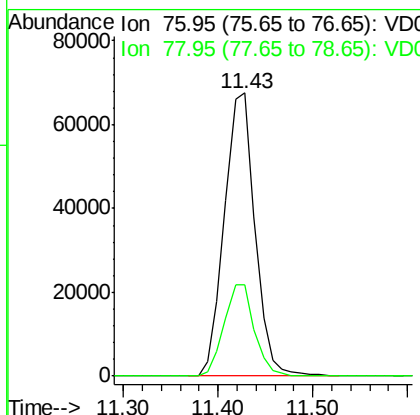
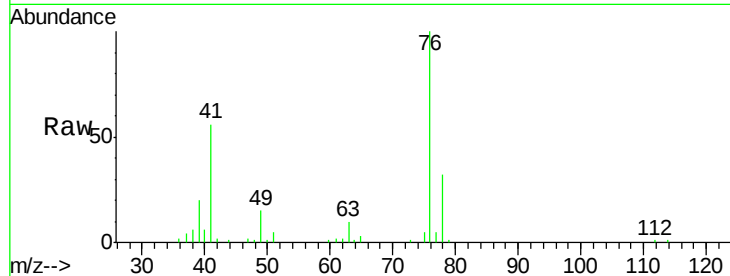




#57
 1,3-Dichloropropane
 Concen: 22.515 ug/l
 RT: 11.43 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

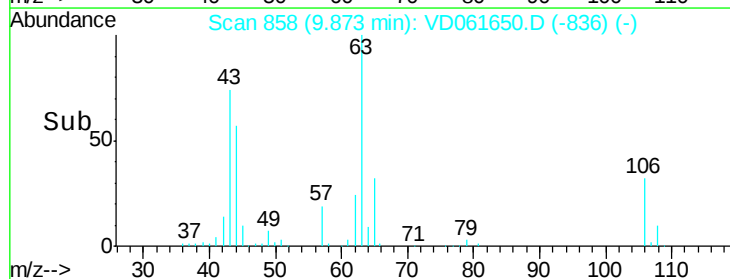
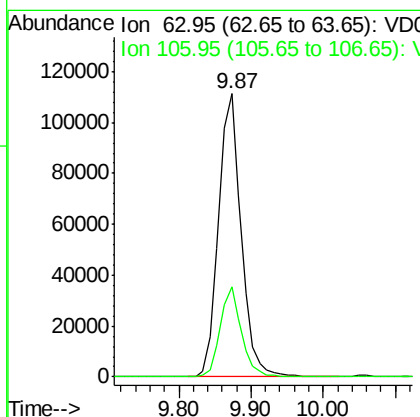
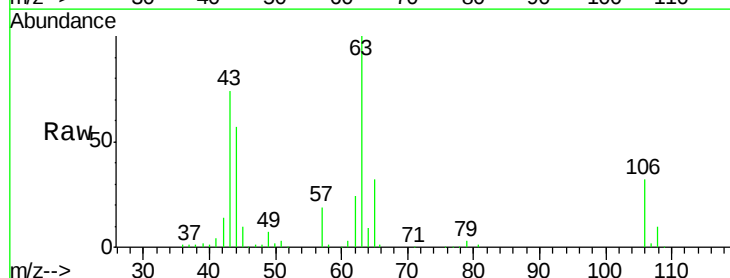
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

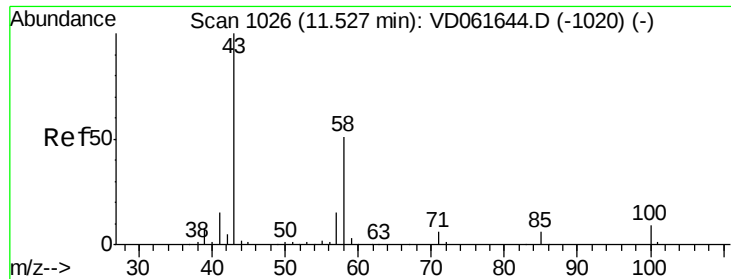
Tot Ion: 76 Resp: 151499
 Ion Ratio Lower Upper
 76 100
 78 32.3 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.242 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Tgt Ion: 63 Resp: 240700
 Ion Ratio Lower Upper
 63 100
 106 31.7 23.0 34.6

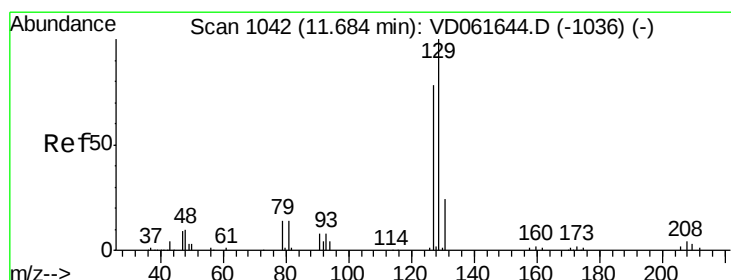
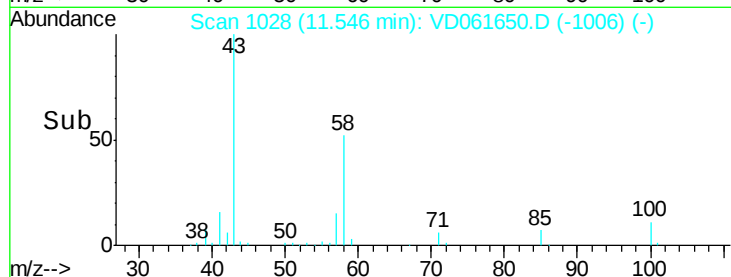
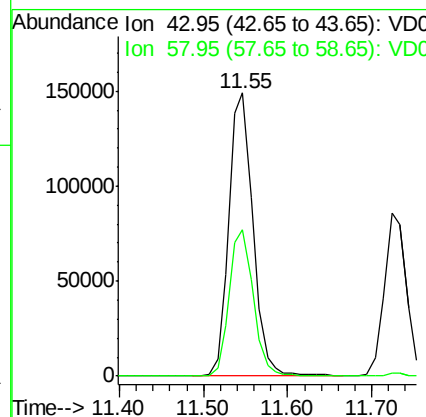
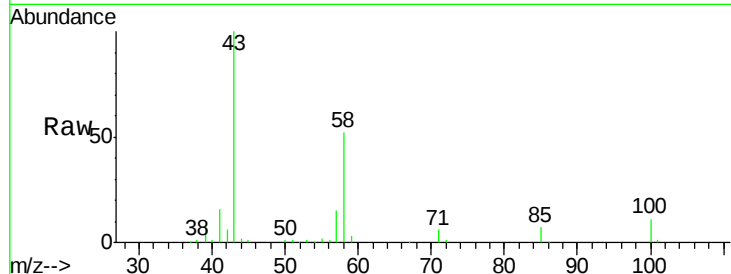




#59
2-Hexanone
Concen: 120.687 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

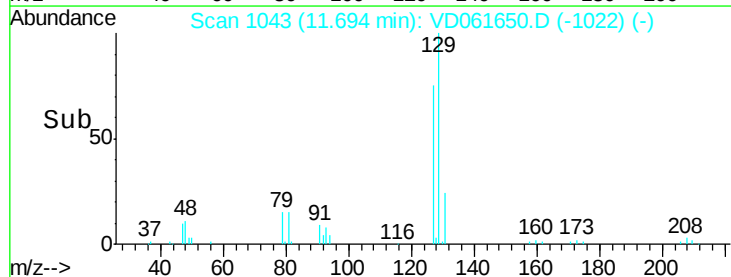
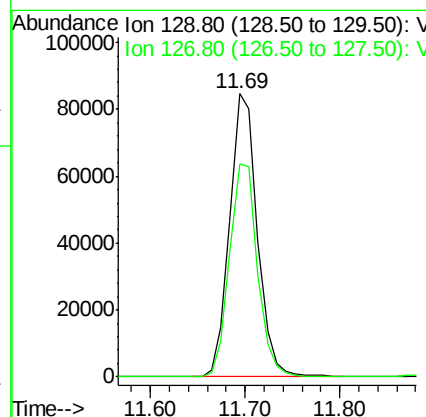
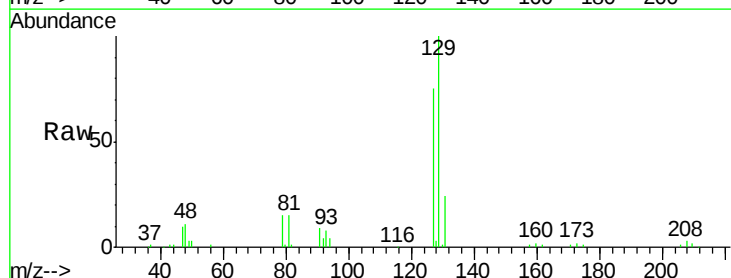
Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

Tot Ion: 43 Resp: 296114
Ion Ratio Lower Upper
43 100
58 51.9 25.6 76.8



#60
Dibromochloromethane
Concen: 23.589 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Tgt Ion: 129 Resp: 171240
Ion Ratio Lower Upper
129 100
127 75.1 38.8 116.4

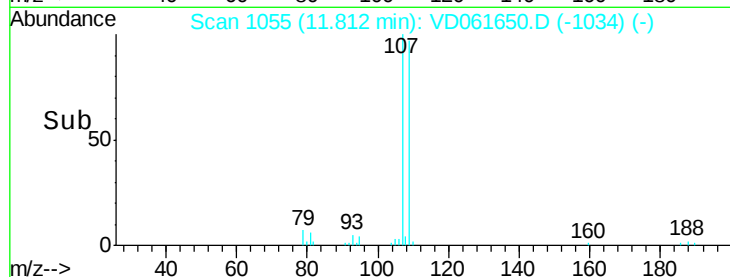
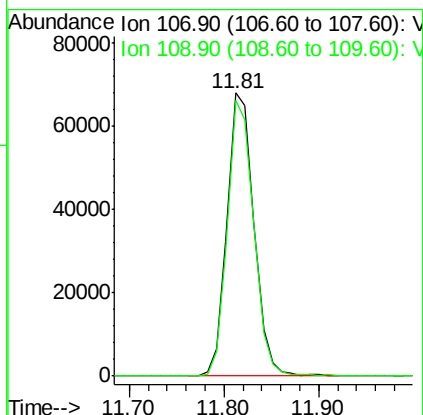
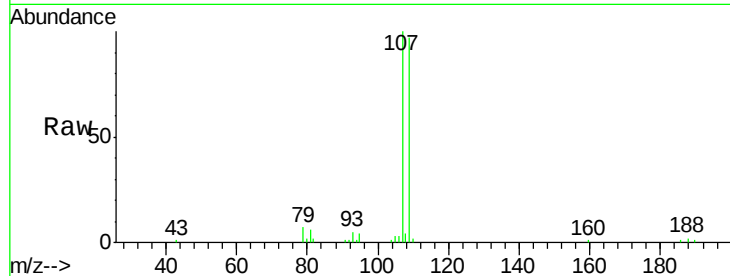




#61
 1,2-Dibromoethane
 Concen: 24.874 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

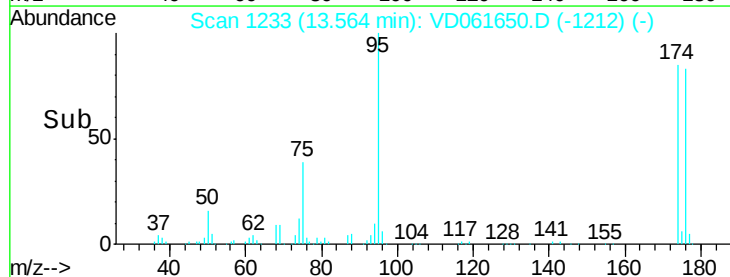
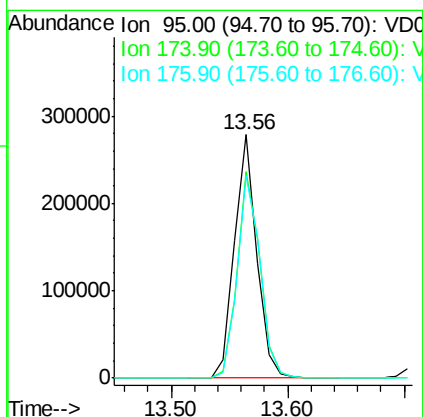
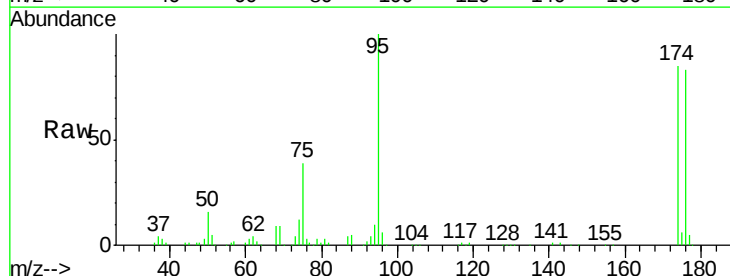
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBSD01

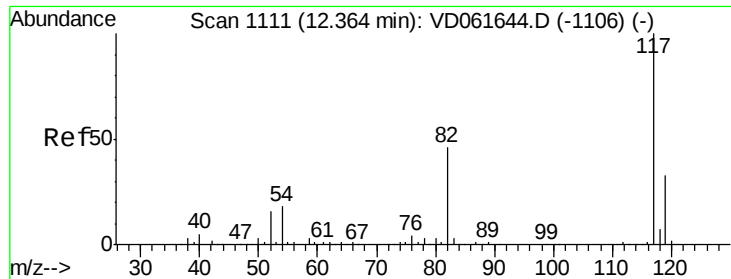
Tot Ion: 107 Resp: 133660
 Ion Ratio Lower Upper
 107 100
 109 97.4 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 24.874 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Tgt Ion: 95 Resp: 368477
 Ion Ratio Lower Upper
 95 100
 174 85.0 0.0 164.6
 176 83.4 0.0 165.0

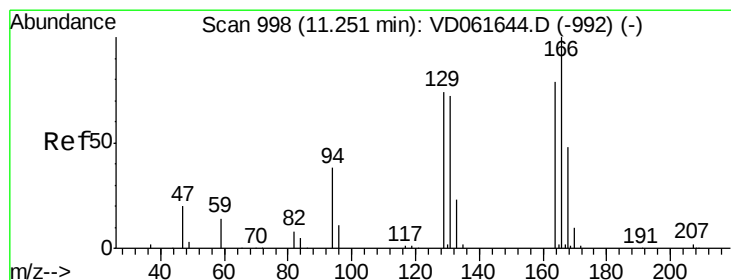
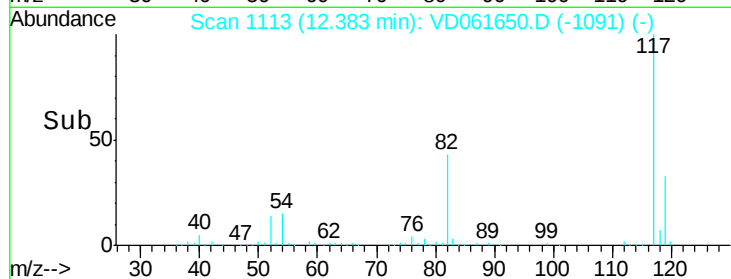
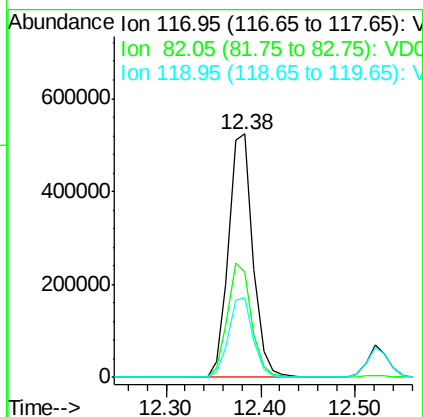
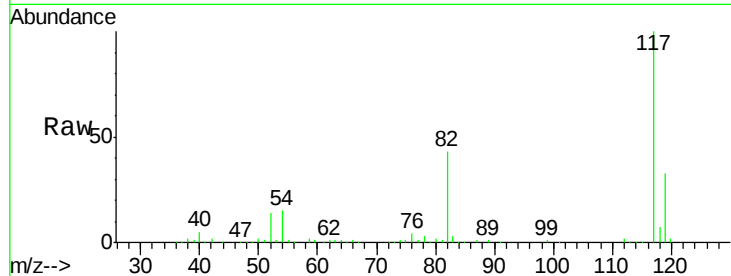




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

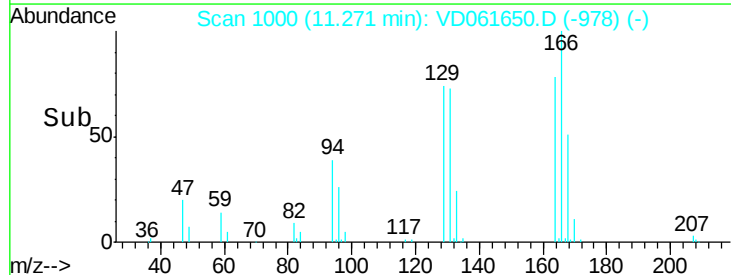
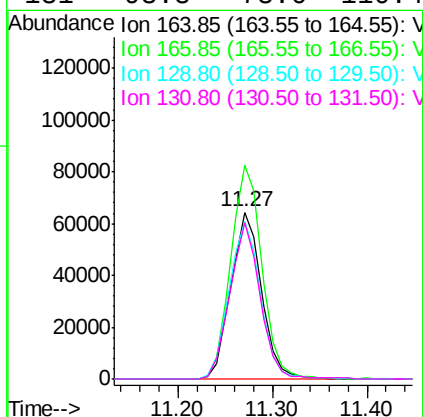
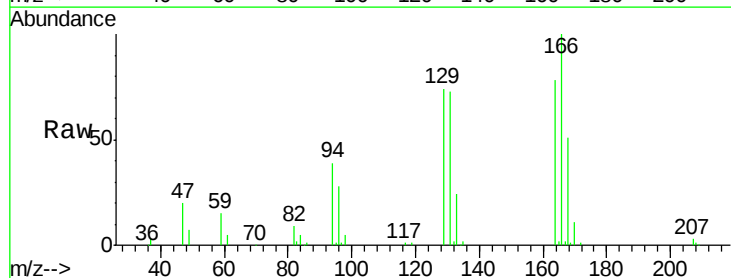
Instrument :
MSVOA_D
ClientSampleId :
VD0408SBSD01

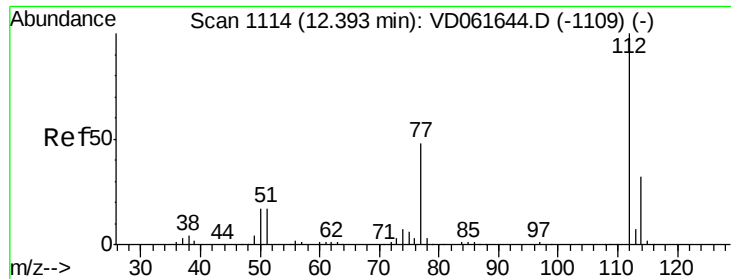
Tot Ion:117 Resp: 938029
Ion Ratio Lower Upper
117 100
82 43.4 36.8 55.2
119 33.0 26.1 39.1



#64
Tetrachloroethene
Concen: 19.820 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Tgt Ion:164 Resp: 144316
Ion Ratio Lower Upper
164 100
166 128.3 101.8 152.8
129 94.4 75.4 113.0
131 93.8 73.6 110.4

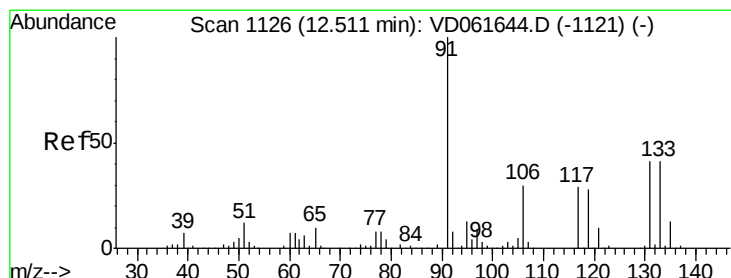
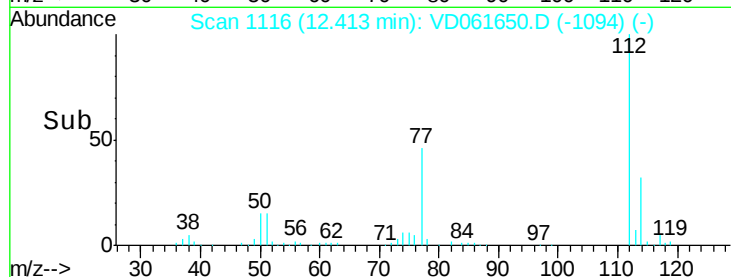
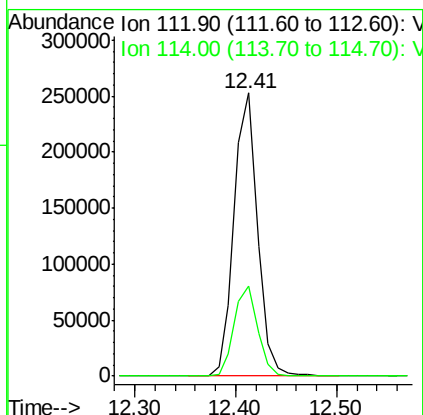
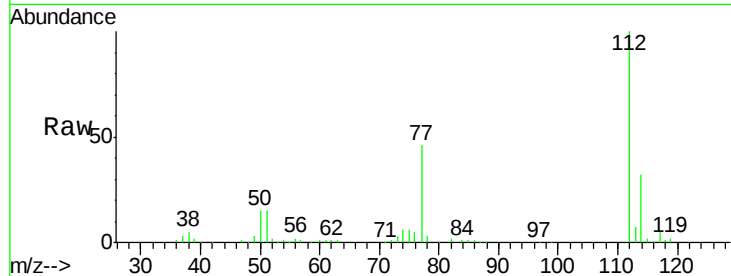




#65
Chlorobenzene
Concen: 21.972 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

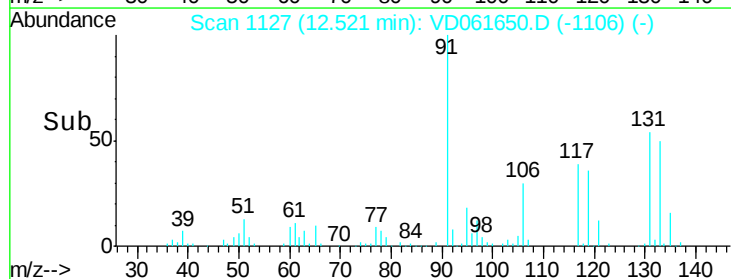
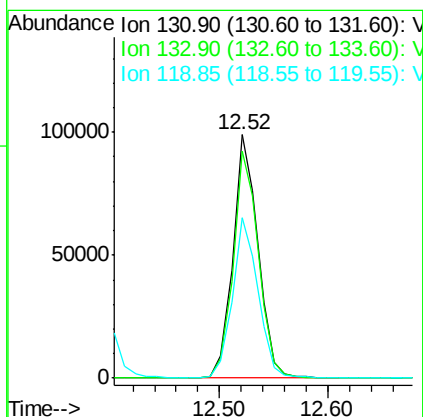
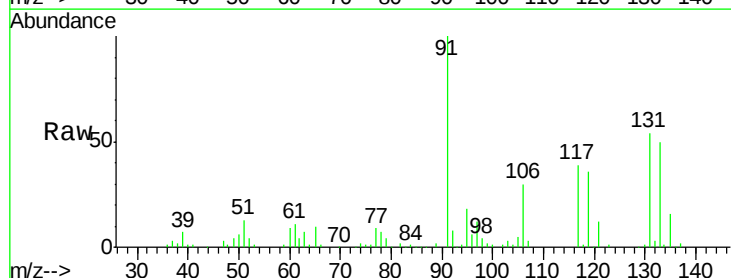
Instrument :
MSVOA_D
ClientSampleId :
VD0408SBSD01

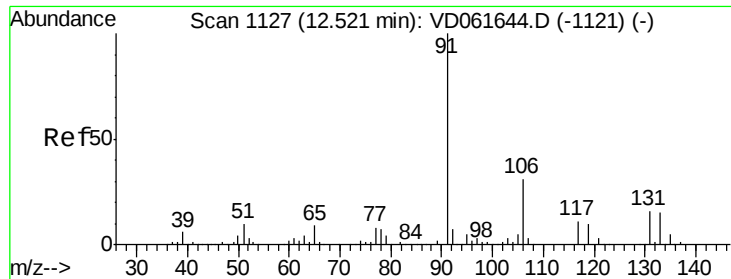
Tot Ion:112 Resp: 408719
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.221 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Tgt Ion:131 Resp: 159059
Ion Ratio Lower Upper
131 100
133 93.3 49.5 148.3
119 66.1 34.7 104.1

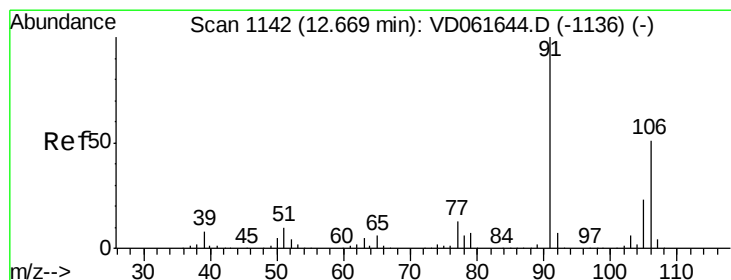
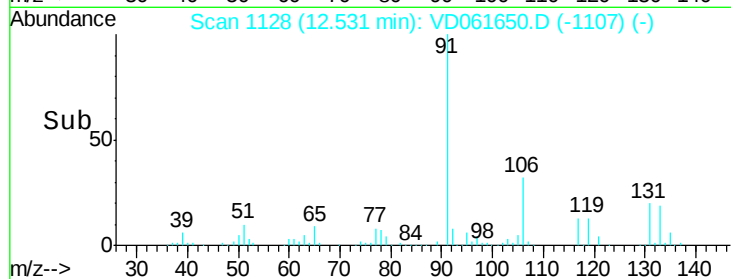
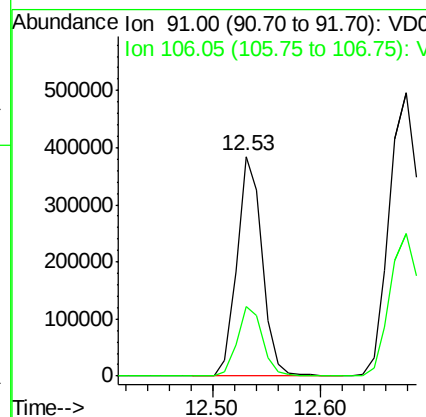
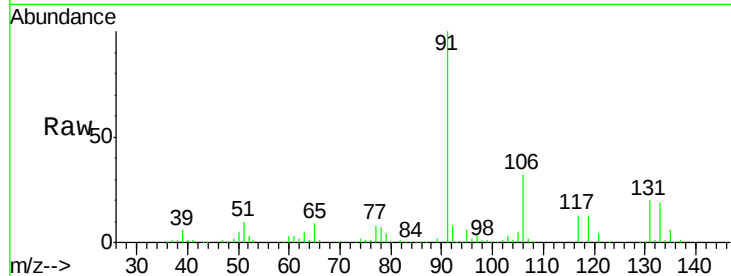




#67
Ethyl Benzene
Concen: 22.025 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

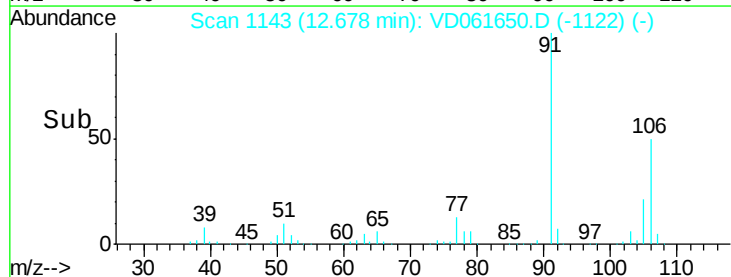
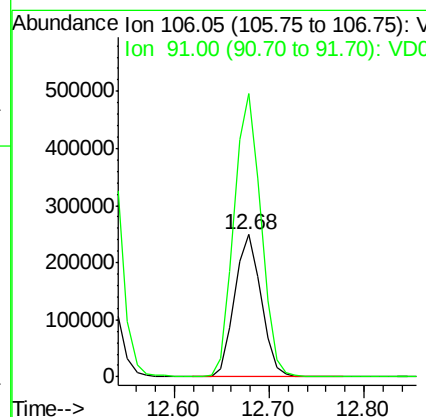
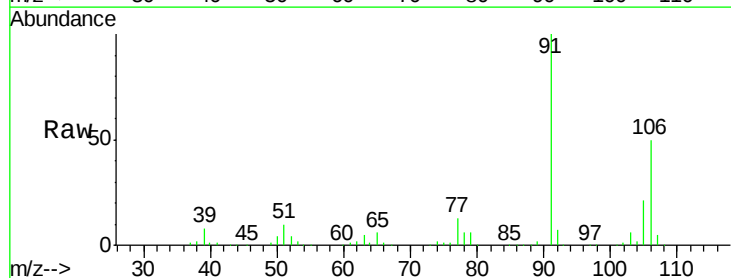
Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

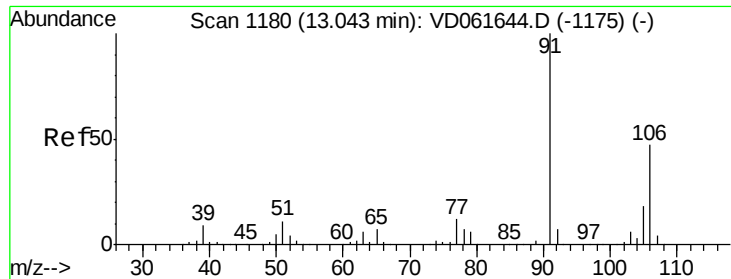
Tot Ion: 91 Resp: 623915
Ion Ratio Lower Upper
91 100
106 31.6 24.6 37.0



#68
m/p-Xylenes
Concen: 44.487 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Tgt Ion:106 Resp: 485832
Ion Ratio Lower Upper
106 100
91 199.2 156.7 235.1

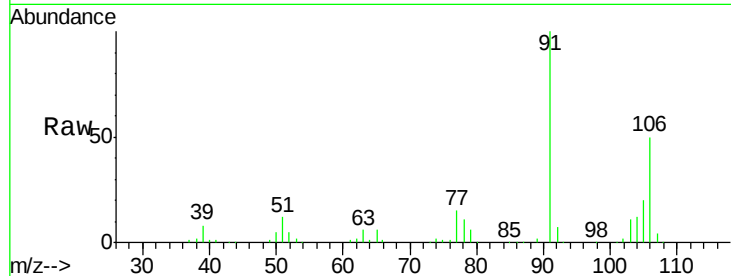




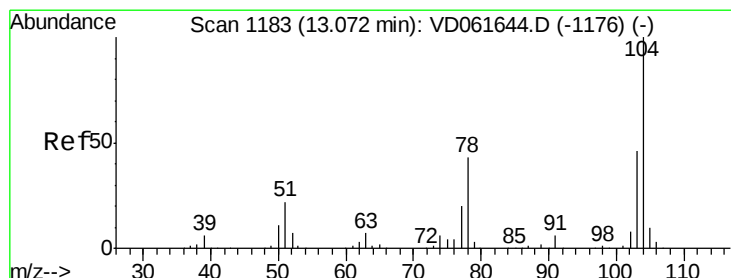
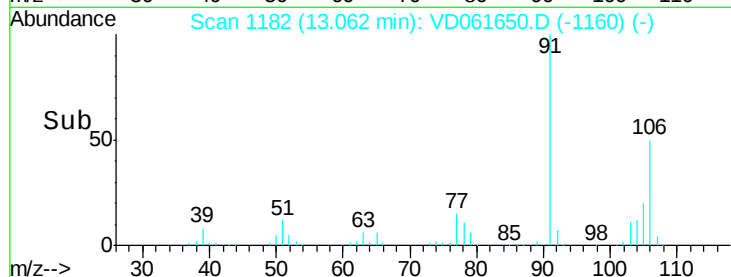
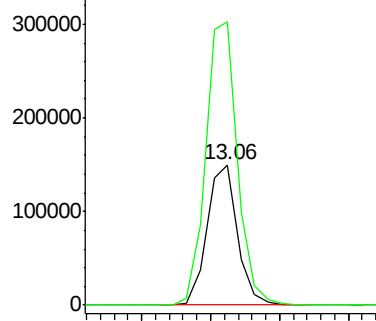
#69
o-Xylene
Concen: 21.772 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

Tot Ion:106 Resp: 229514
Ion Ratio Lower Upper
106 100
91 201.5 107.3 321.9

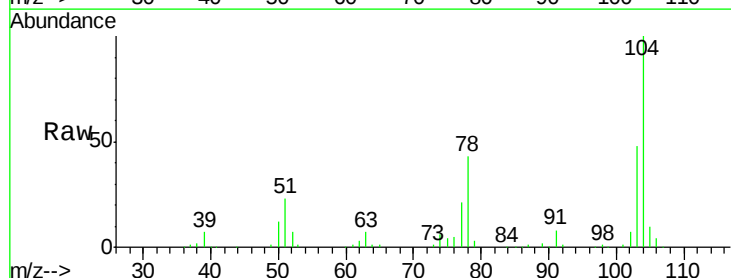


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

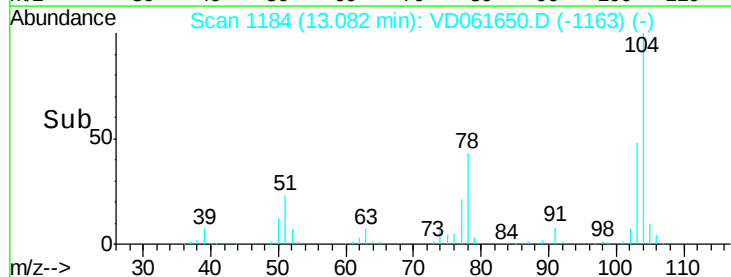
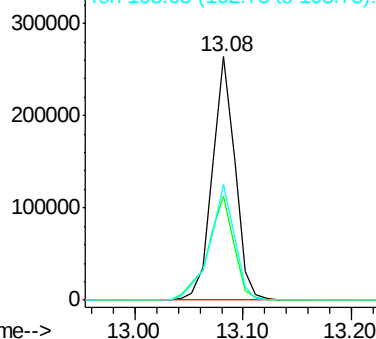


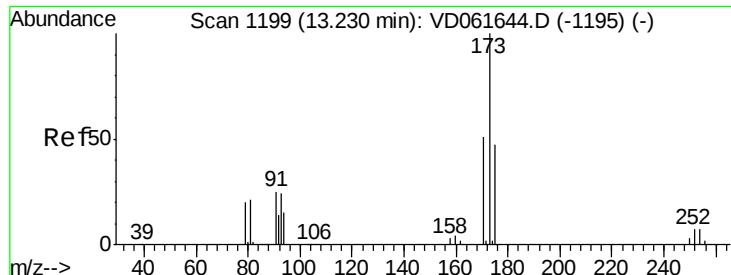
#70
Styrene
Concen: 21.302 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Tgt Ion:104 Resp: 383506
Ion Ratio Lower Upper
104 100
78 42.7 34.2 51.4
103 47.6 37.2 55.8



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





#71

Bromoform

Concen: 21.113 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBSD01

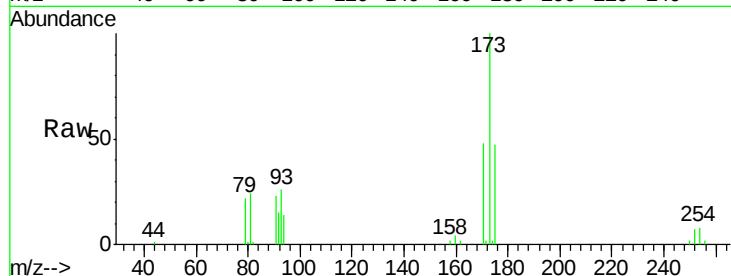
Tot Ion:173 Resp: 93771

Ion Ratio Lower Upper

173 100

175 46.7 23.7 71.1

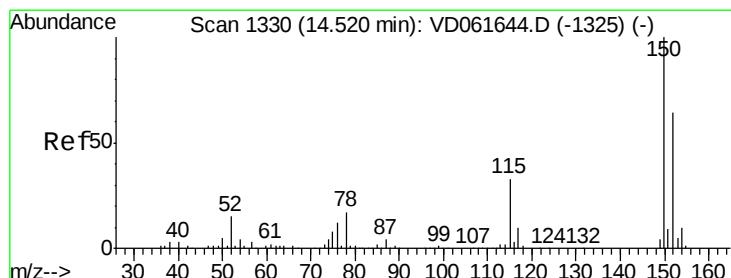
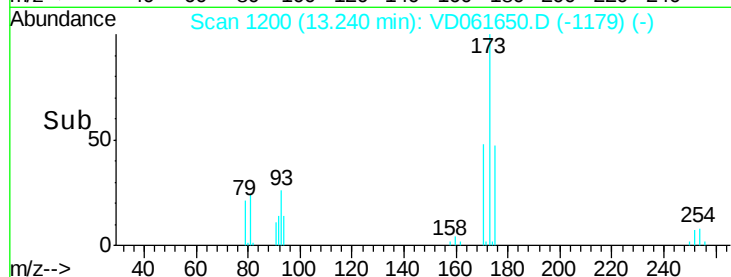
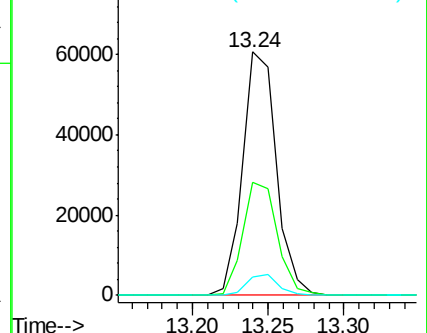
254 7.7 5.8 8.6



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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

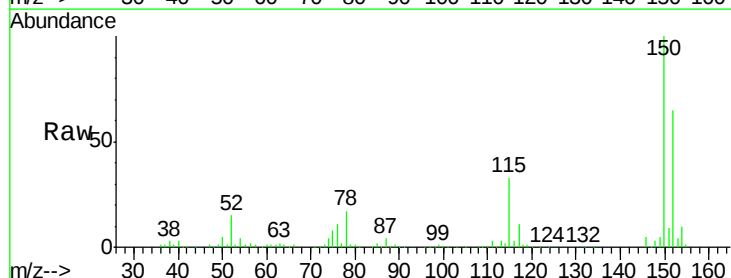
Tgt Ion:152 Resp: 417038

Ion Ratio Lower Upper

152 100

115 50.6 26.4 79.2

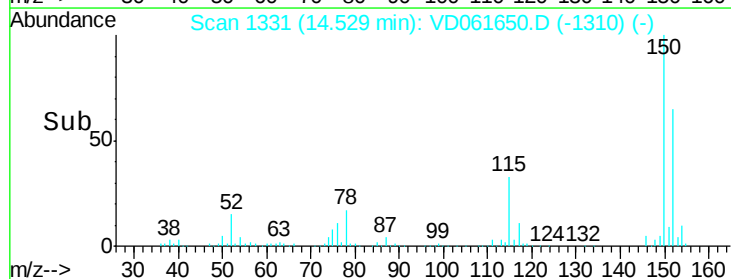
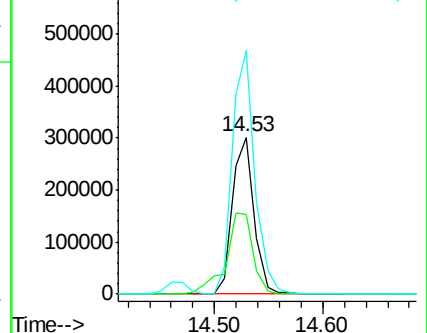
150 155.0 0.0 320.6



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: 21.109 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

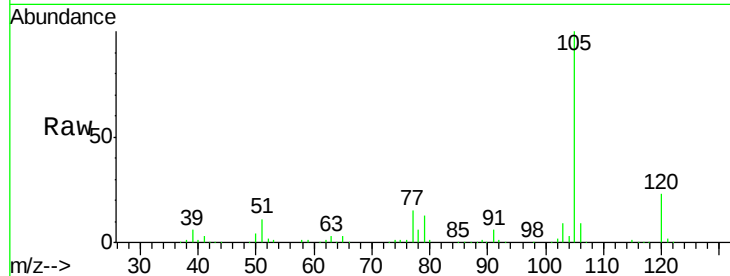
VD0408SBSD01

Tot Ion:105 Resp: 586557

Ion Ratio Lower Upper

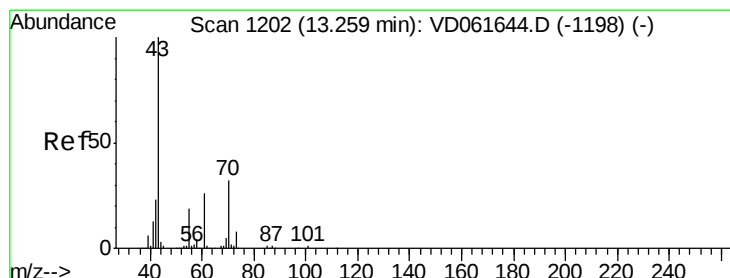
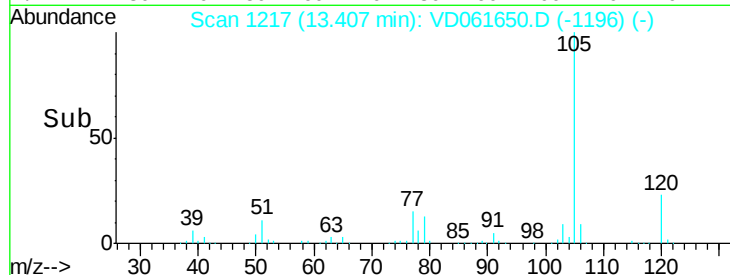
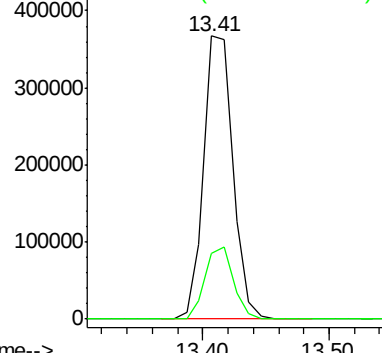
105 100

120 23.4 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.849 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Tgt Ion: 43 Resp: 164959

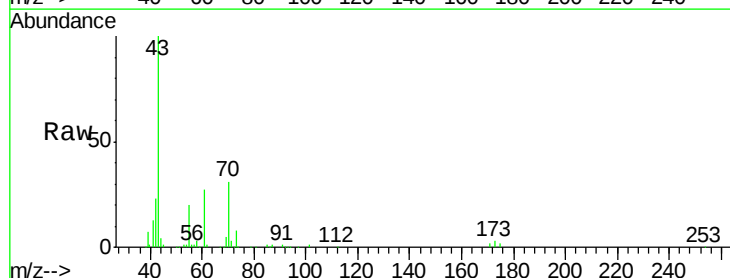
Ion Ratio Lower Upper

43 100

70 31.2 25.4 38.2

55 19.7 15.0 22.4

61 26.5 20.9 31.3

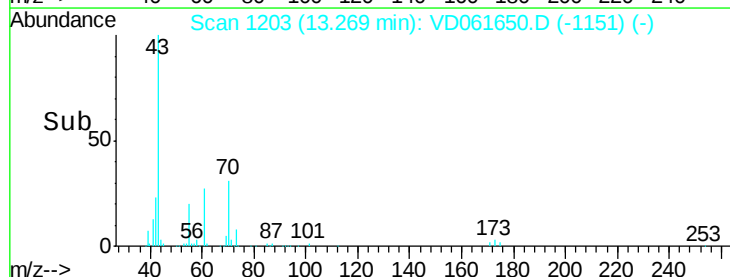
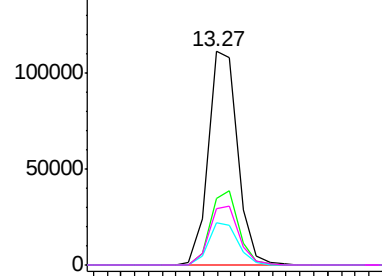


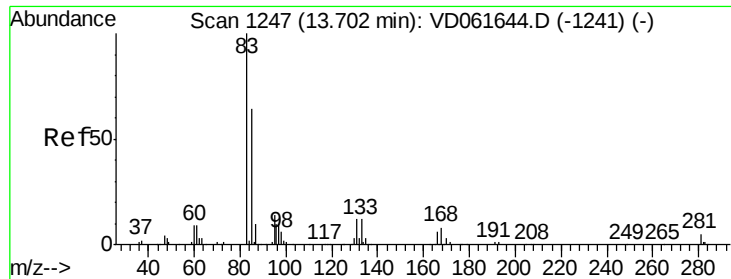
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.512 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBS01

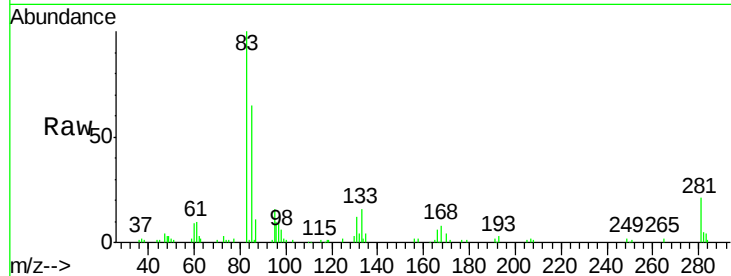
Tot Ion: 83 Resp: 123602

Ion Ratio Lower Upper

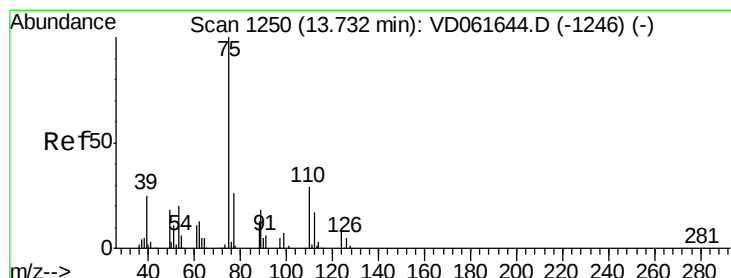
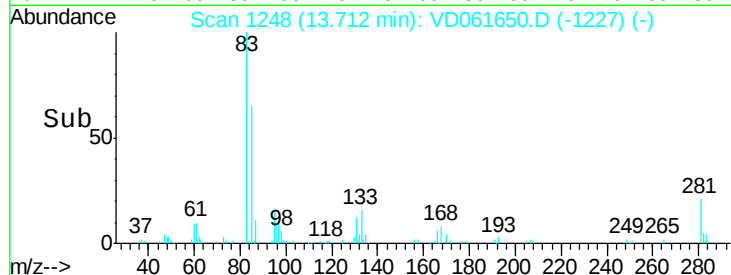
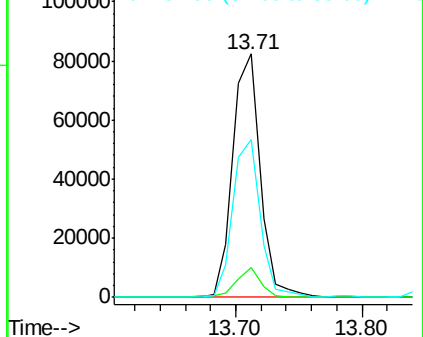
83 100

131 12.1 5.9 17.6

85 64.9 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: 21.048 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061650.D

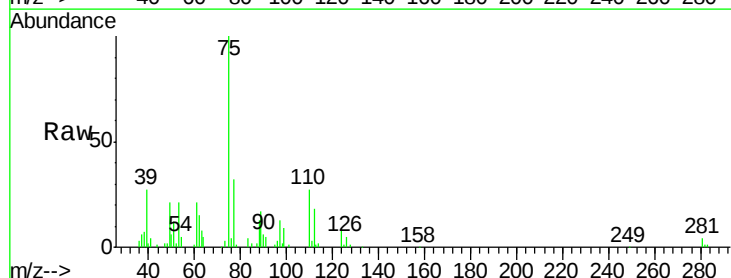
Acq: 8 Apr 2019 14:48

Tgt Ion: 75 Resp: 119425

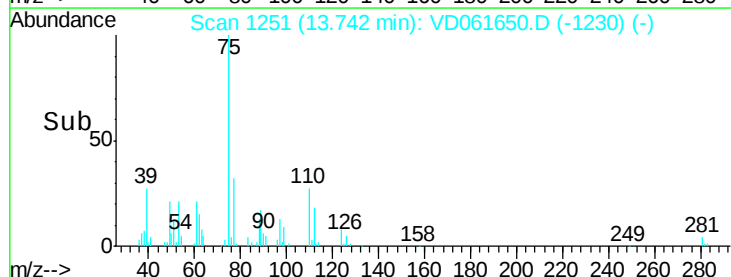
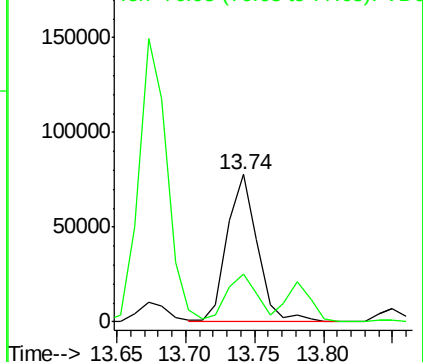
Ion Ratio Lower Upper

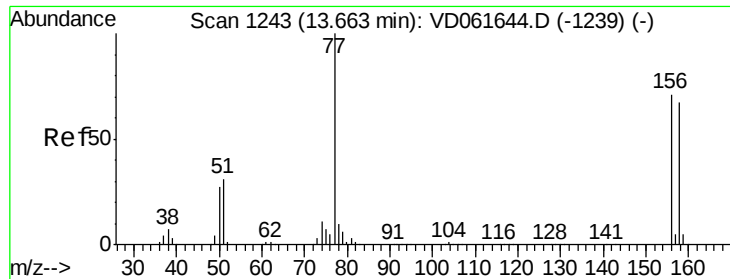
75 100

77 32.0 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: 21.702 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBS01

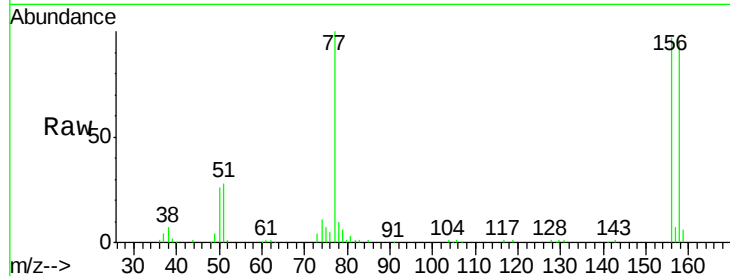
Tot Ion:156 Resp: 175042

Ion Ratio Lower Upper

156 100

77 103.5 70.3 210.8

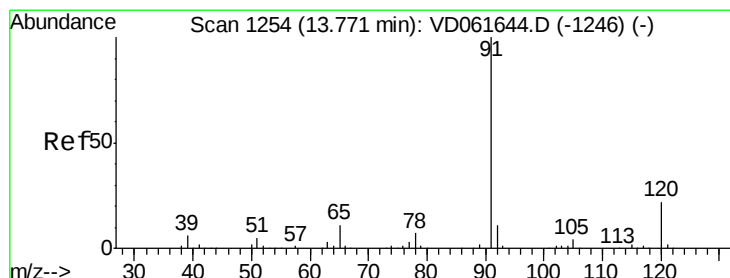
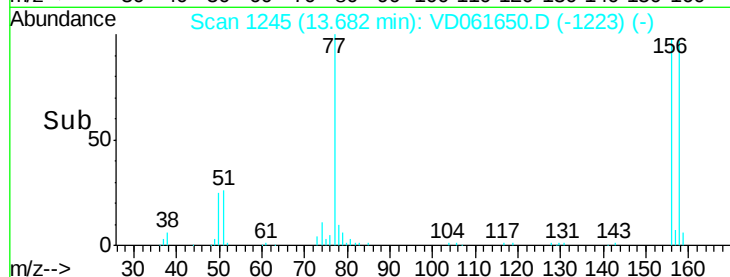
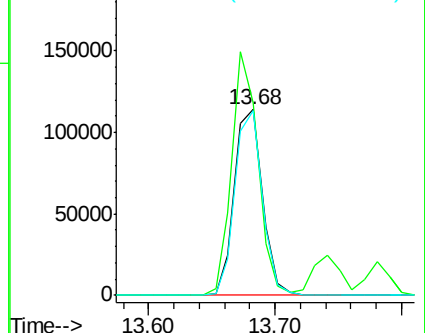
158 99.6 47.4 142.2



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: 22.274 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061650.D

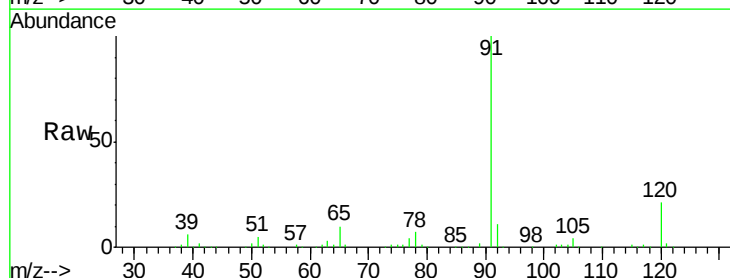
Acq: 8 Apr 2019 14:48

Tgt Ion: 91 Resp: 740384

Ion Ratio Lower Upper

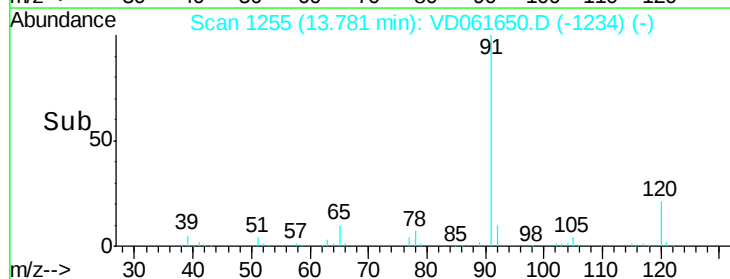
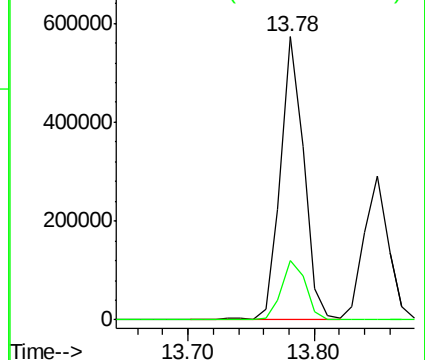
91 100

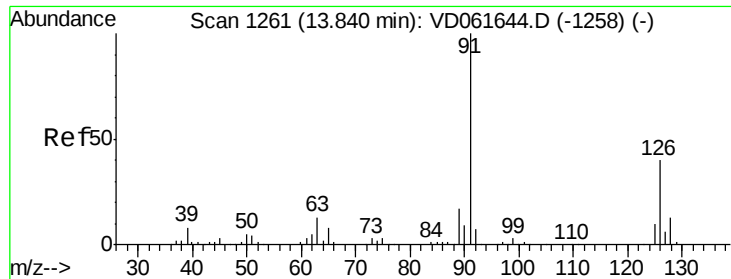
120 21.2 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.443 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

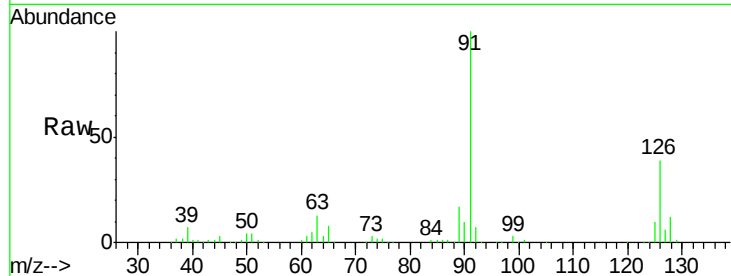
VD0408SBS01

Tot Ion: 91 Resp: 388581

Ion Ratio Lower Upper

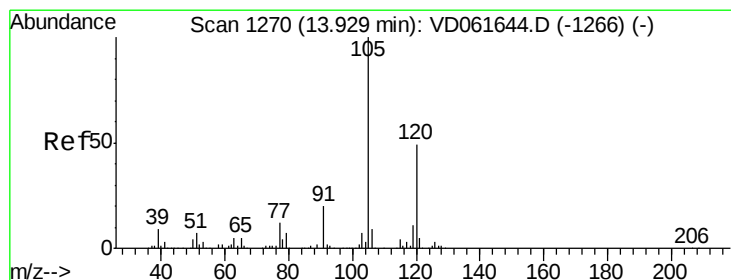
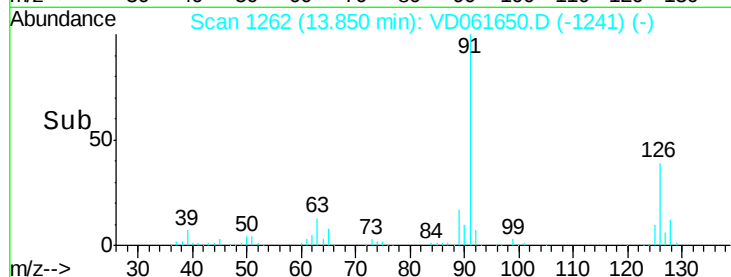
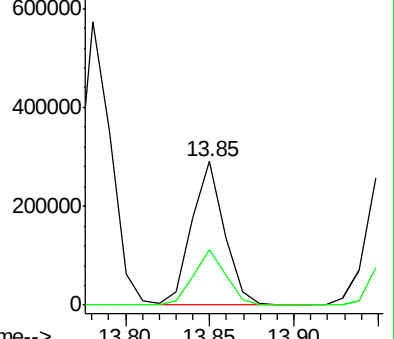
91 100

126 39.0 20.0 59.9



Abundance Ion 91.00 (90.70 to 91.70): VD061644.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061644.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.757 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD061650.D

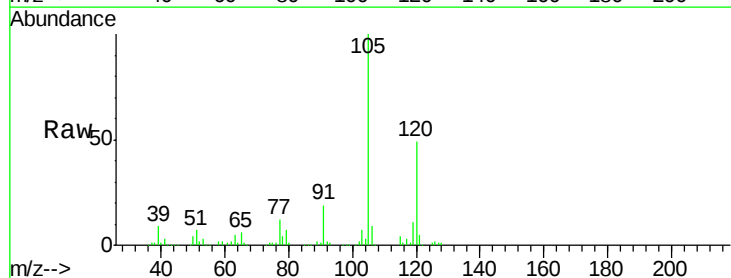
Acq: 8 Apr 2019 14:48

Tgt Ion:105 Resp: 501911

Ion Ratio Lower Upper

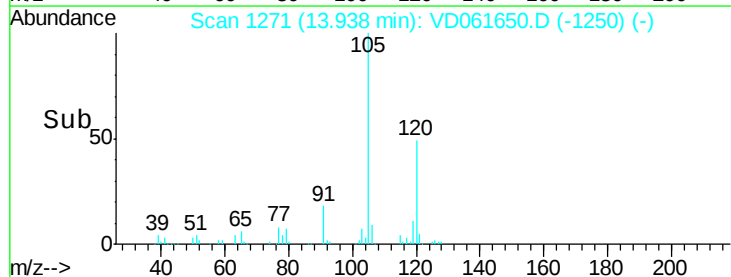
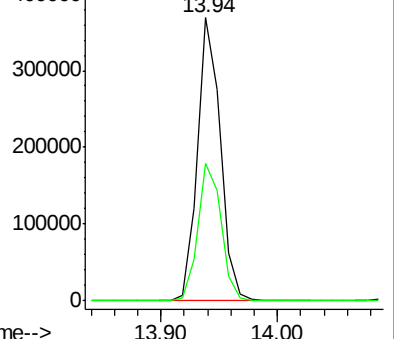
105 100

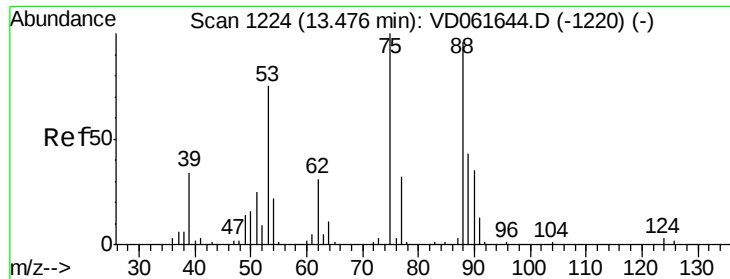
120 48.6 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): VD061644.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD061644.D (-1266) (-)

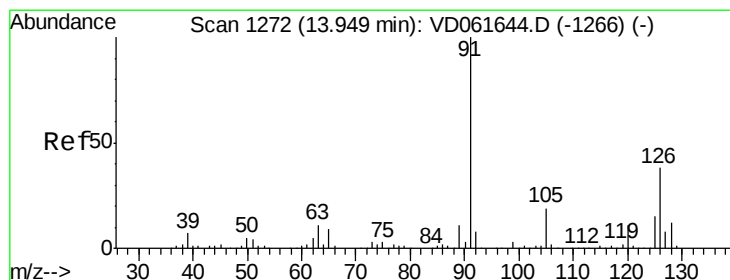
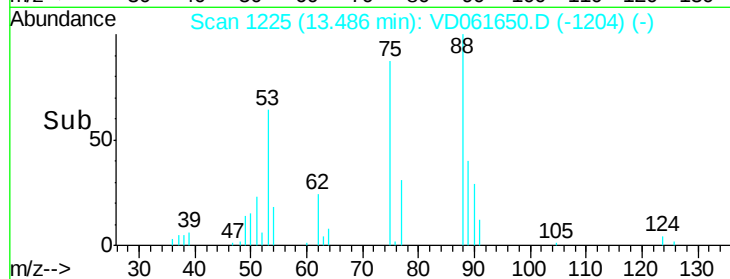
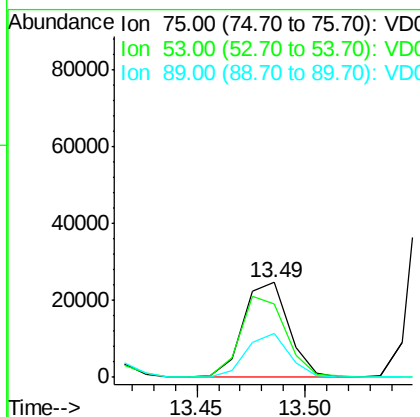
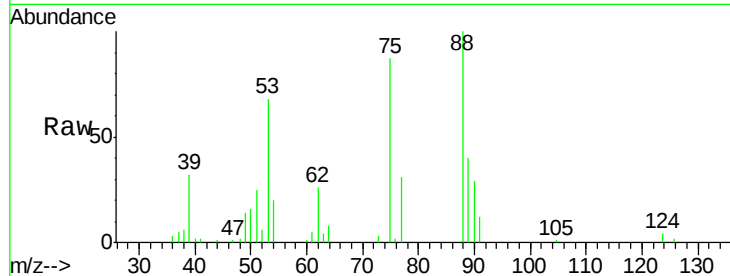




#81
trans-1,4-Dichloro-2-butene
Concen: 21.053 ug/l
RT: 13.49 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

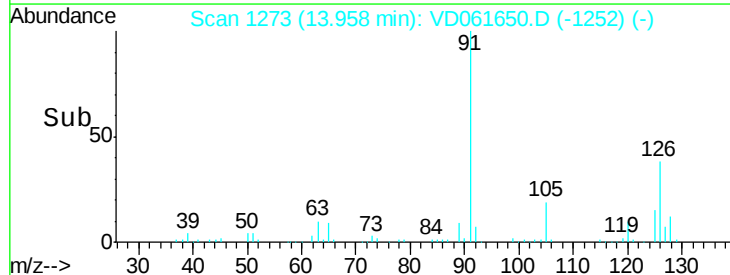
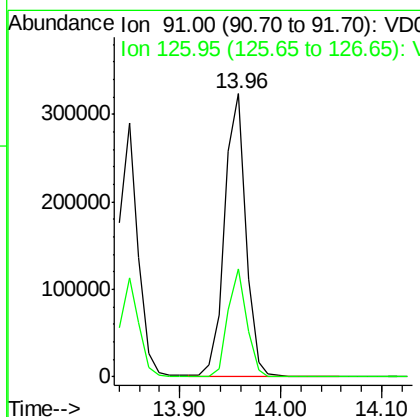
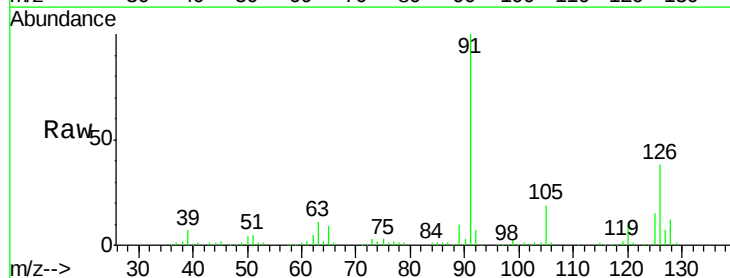
Instrument :
MSVOA_D
ClientSampleId :
VD0408SBS01

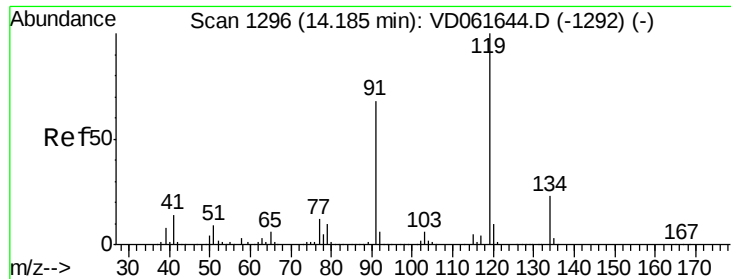
Tot Ion: 75 Resp: 36248
Ion Ratio Lower Upper
75 100
53 77.4 60.2 90.2
89 46.0 34.2 51.2



#82
4-Chlorotoluene
Concen: 22.623 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Tgt Ion: 91 Resp: 471216
Ion Ratio Lower Upper
91 100
126 38.1 19.0 57.0

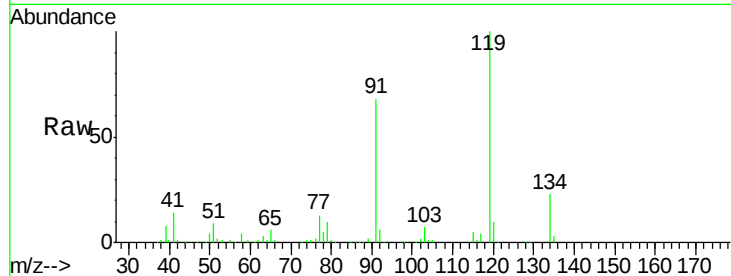




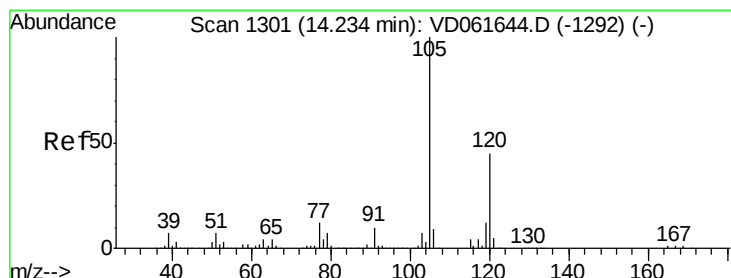
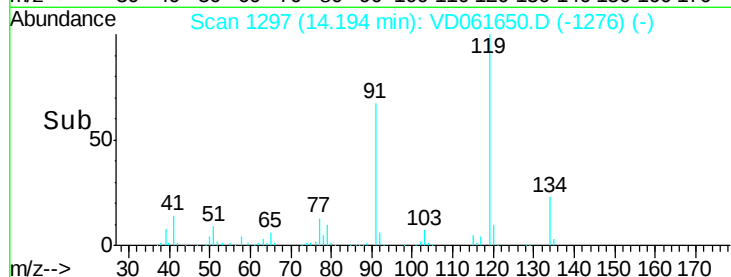
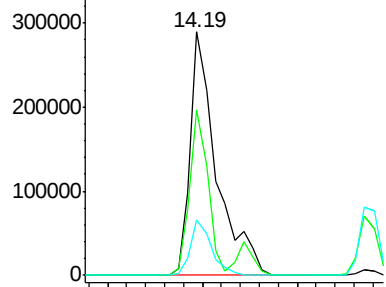
#83
 tert-Butylbenzene
 Concen: 21.073 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

Tot Ion:119 Resp: 560388
 Ion Ratio Lower Upper
 119 100
 91 68.2 33.9 101.6
 134 22.7 11.6 34.8

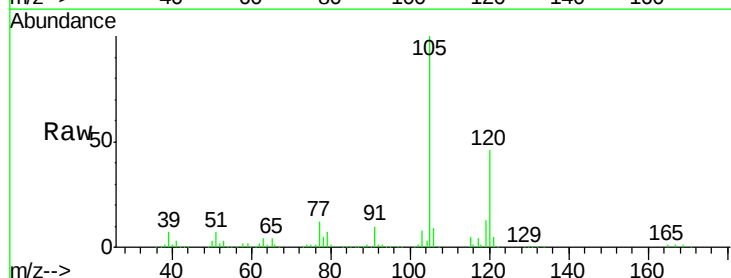


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

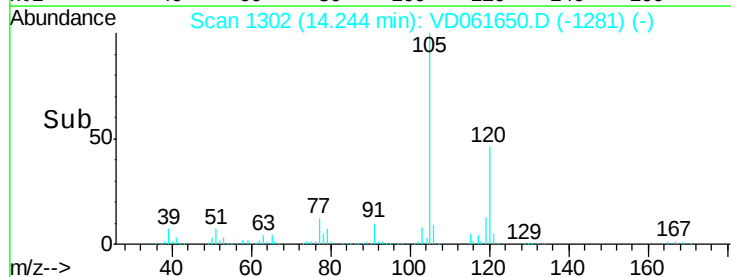
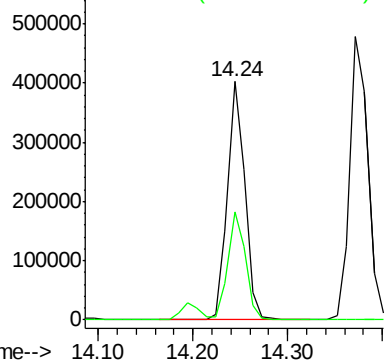


#84
 1,2,4-Trimethylbenzene
 Concen: 23.274 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Tgt Ion:105 Resp: 518062
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.6 67.8



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

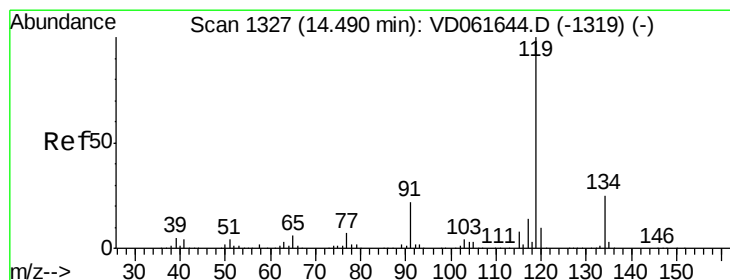
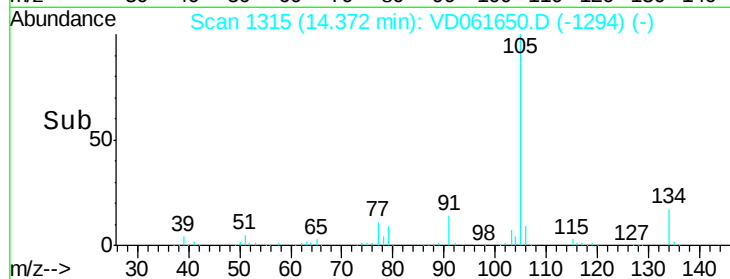
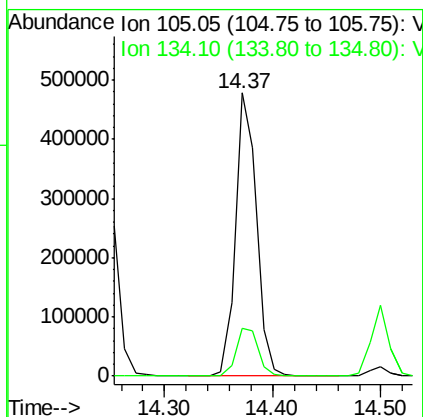
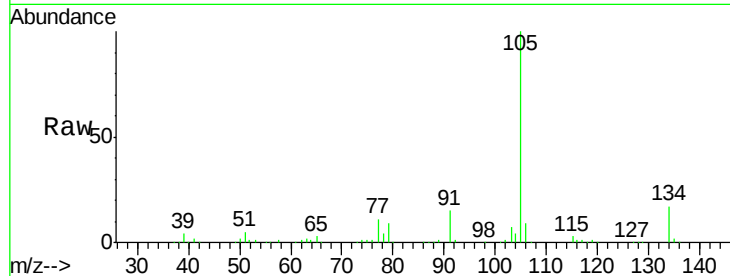




#85
 sec-Butylbenzene
 Concen: 22.440 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

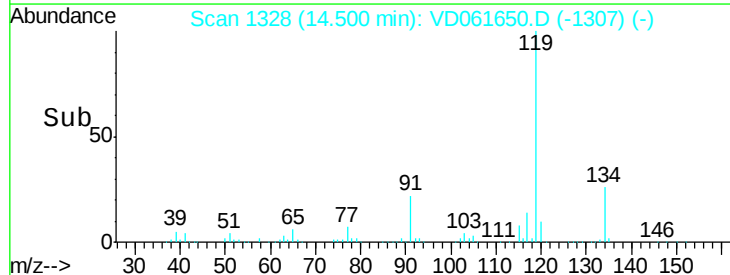
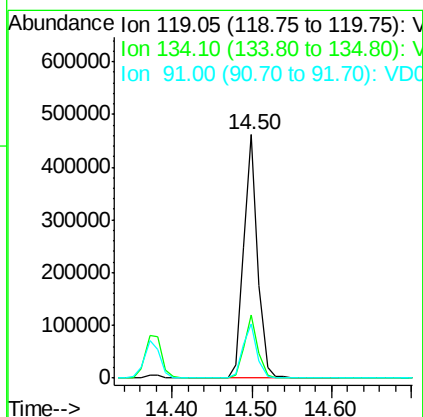
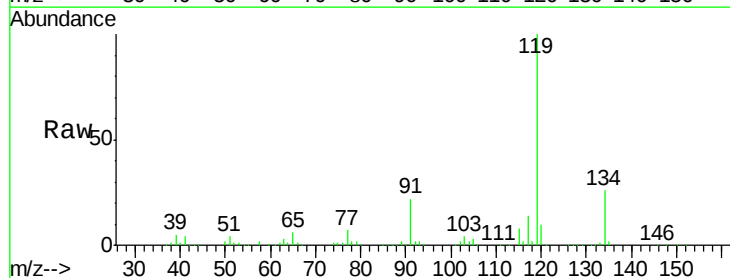
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0408SBS01

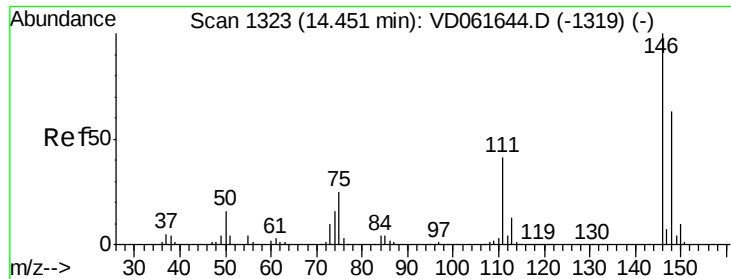
Tot Ion:105 Resp: 644729
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 22.346 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Tgt Ion:119 Resp: 556957
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.5 37.5
 91 22.0 11.0 33.0

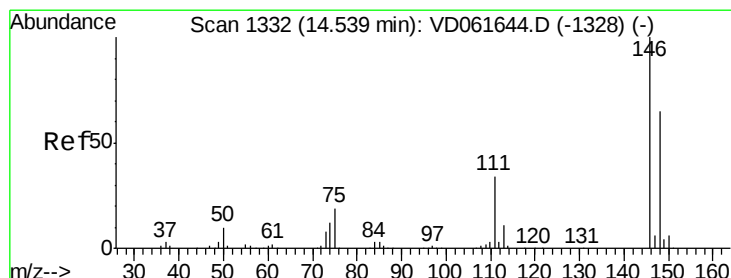
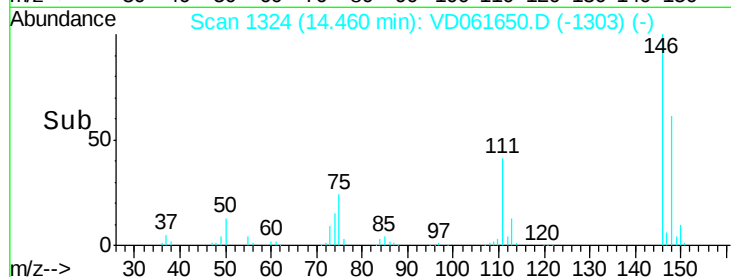
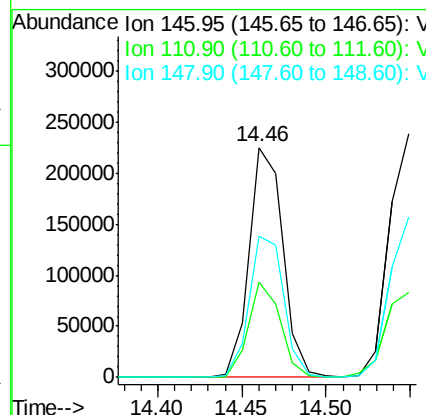
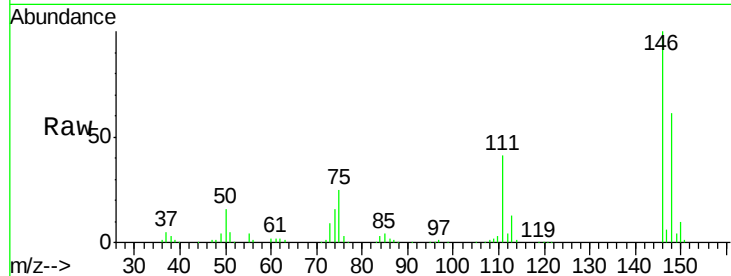




#87
 1,3-Dichlorobenzene
 Concen: 22.655 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

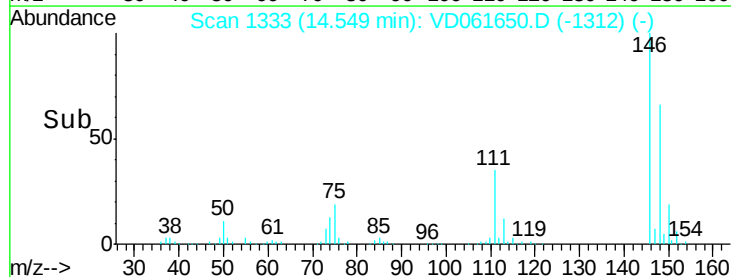
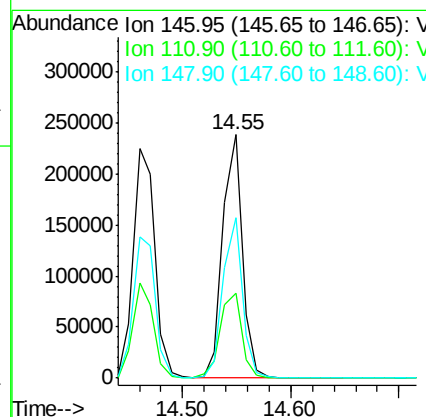
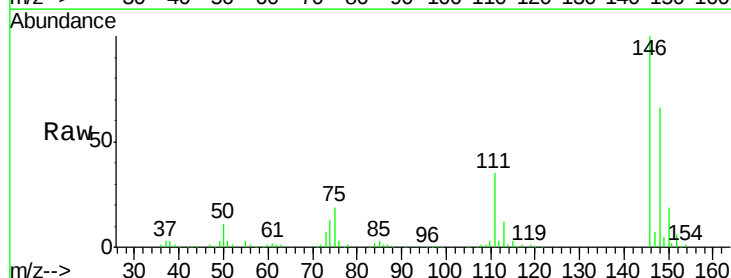
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS01

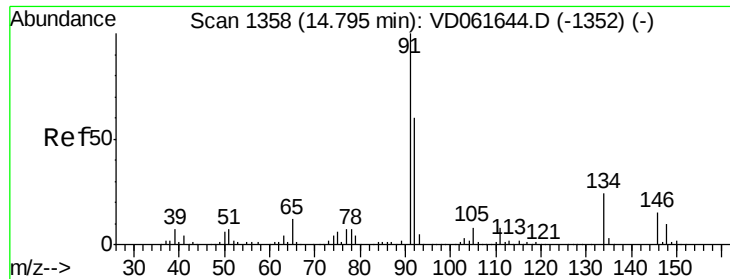
Tot Ion:146 Resp: 314481
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.3 61.0
 148 61.2 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 21.597 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Tgt Ion:146 Resp: 302495
 Ion Ratio Lower Upper
 146 100
 111 35.0 17.1 51.2
 148 65.7 32.6 97.7





#89

n-Butylbenzene

Concen: 24.989 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061650.D

Acq: 8 Apr 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

VD0408SBS01

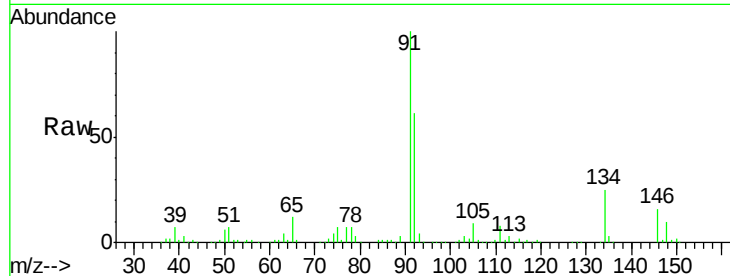
Tot Ion: 91 Resp: 541359

Ion Ratio Lower Upper

91 100

92 61.0 29.8 89.4

134 24.9 12.2 36.4

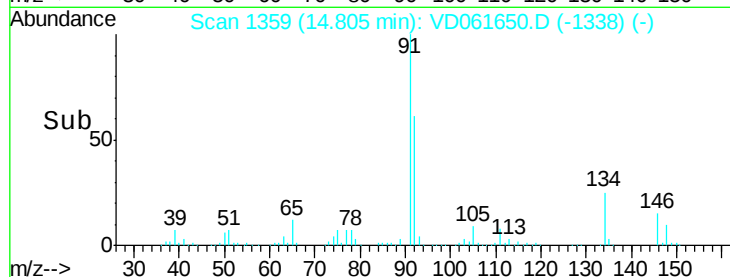


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC

Time-->



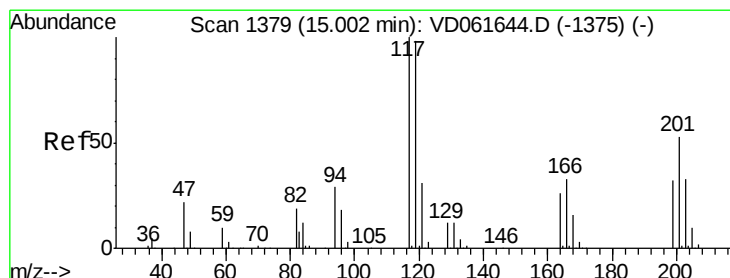
Abundance

Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC

Time-->



#90

Hexachloroethane

Concen: 22.014 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD061650.D

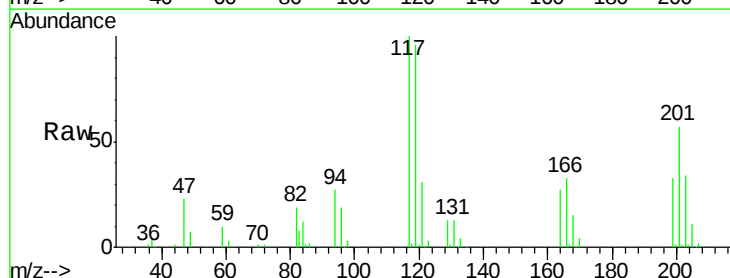
Acq: 8 Apr 2019 14:48

Tgt Ion: 117 Resp: 148881

Ion Ratio Lower Upper

117 100

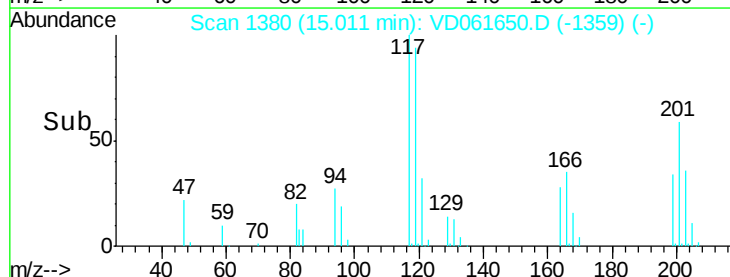
201 56.6 26.3 78.8



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

Time-->

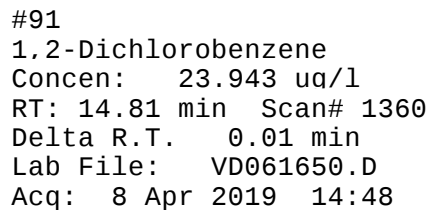


Abundance

Ion 116.85 (116.55 to 117.55): VDC

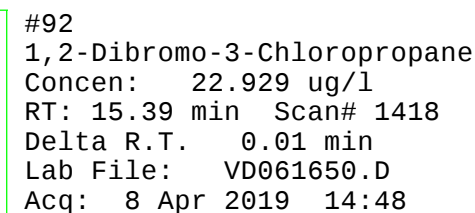
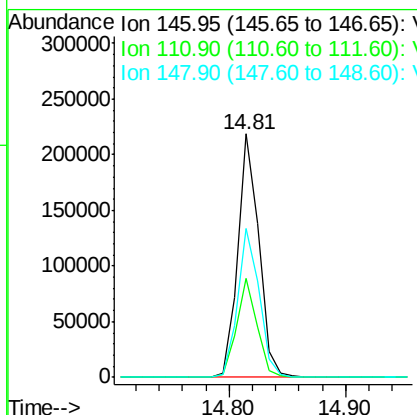
Ion 200.75 (200.45 to 201.45): VDC

Time-->

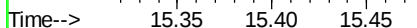
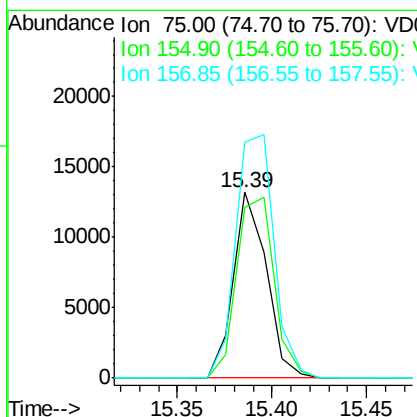


Instrument :
MSVOA_D
ClientSampleId :
VD0408SBSD01

Tqt	Ion:146	Resp:	273922
Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.1	63.3
148	61.3	31.7	95.1



Tgt	Ion: 75	Resp:	15898
Ion	Ratio	Lower	Upper
75	100		
155	92.1	45.6	136.7
157	127.5	61.4	184.2

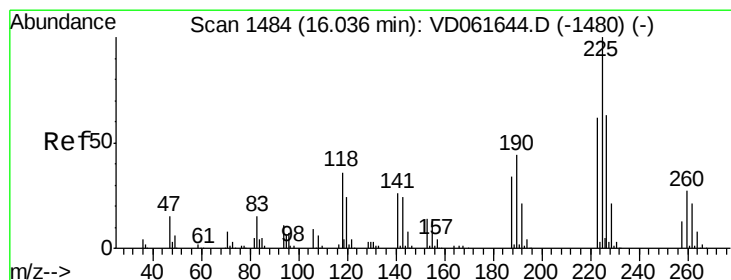
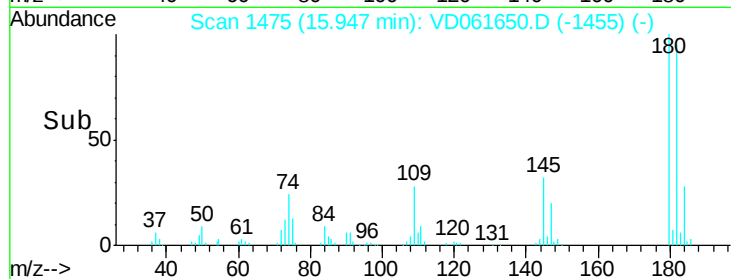
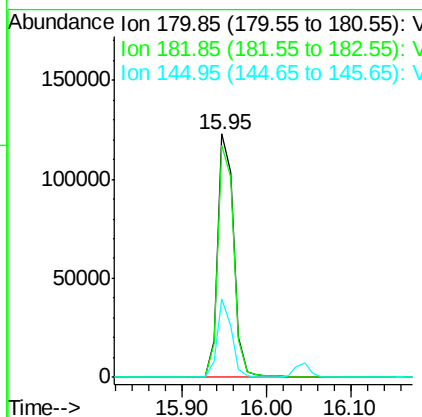
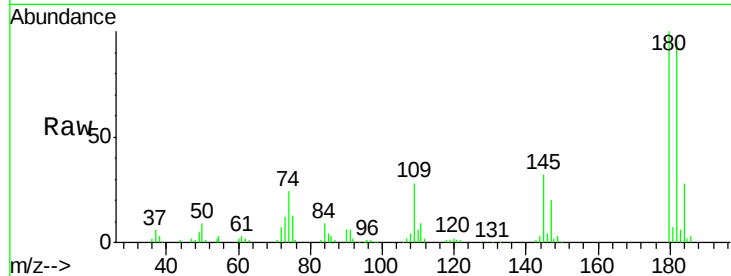




#93
 1,2,4-Trichlorobenzene
 Concen: 27.720 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

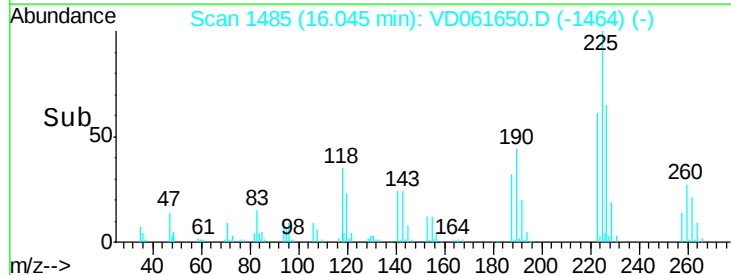
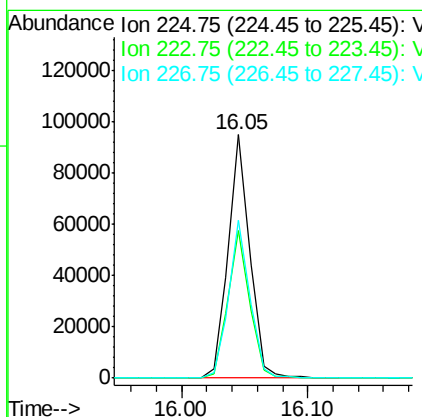
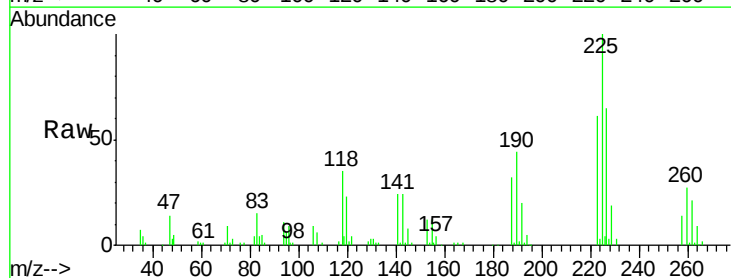
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBSD01

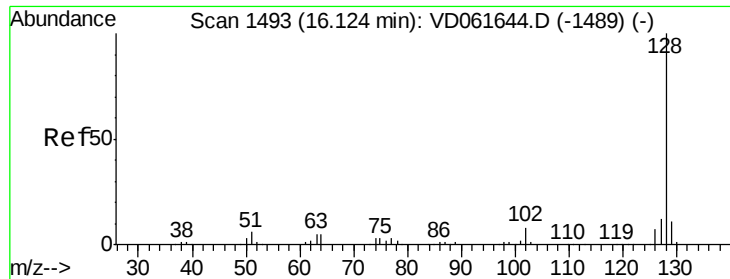
Tot Ion:180 Resp: 161572
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.8 143.3
 145 32.4 13.3 39.8



#94
 Hexachlorobutadiene
 Concen: 24.871 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061650.D
 Acq: 8 Apr 2019 14:48

Tgt Ion:225 Resp: 111934
 Ion Ratio Lower Upper
 225 100
 223 60.8 30.8 92.3
 227 64.7 31.5 94.5

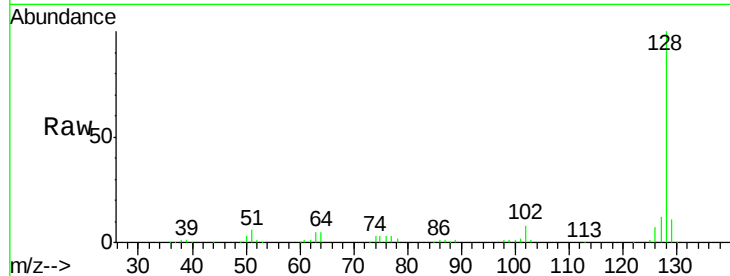




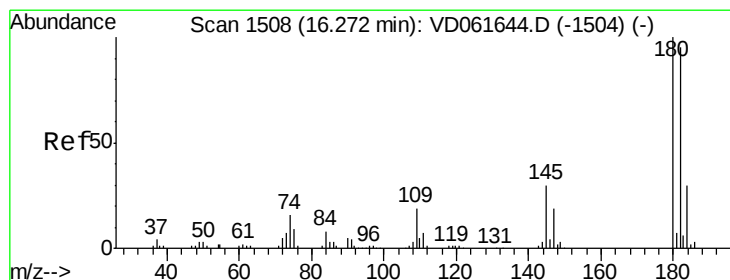
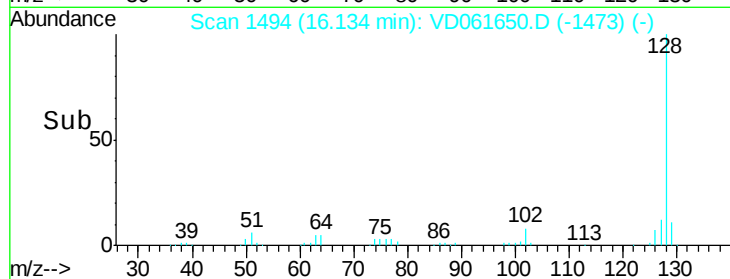
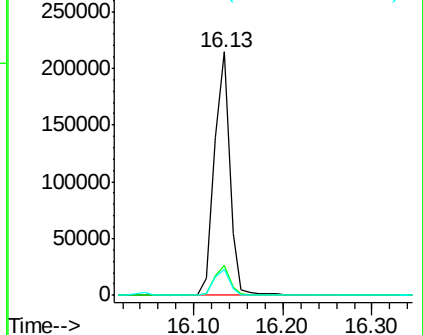
#95
Naphthalene
Concen: 28.056 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0408SBSD01

Tot Ion:128 Resp: 258748
Ion Ratio Lower Upper
128 100
127 12.2 9.4 14.2
129 10.8 8.8 13.2

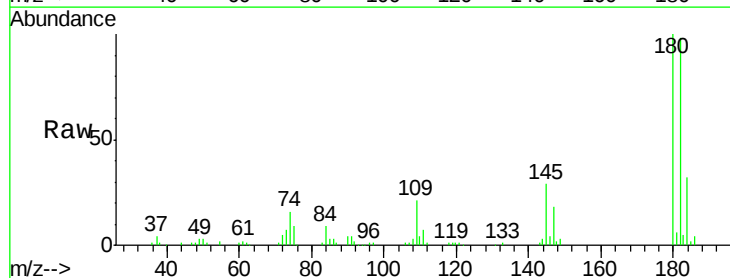


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 35.016 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061650.D
Acq: 8 Apr 2019 14:48

Tgt Ion:180 Resp: 101860
Ion Ratio Lower Upper
180 100
182 98.1 47.3 142.0
145 29.4 15.1 45.3



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

