

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061738.D
 Acq On : 11 Apr 2019 13:57
 Operator : VA/AP
 Sample : VD0411SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

Quant Time: Apr 12 00:58:55 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	7.04	168	638207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1007826	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	940384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	422814	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	223566	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	
35) Dibromofluoromethane	6.92	113	339997	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	10.39	98	742079	42.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.60%	
62) 4-Bromofluorobenzene	13.54	95	325221	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	112835	16.388	ug/l	100
3) Chloromethane	1.76	50	93449	16.795	ug/l	95
4) Vinyl Chloride	1.86	62	92746	17.839	ug/l	96
5) Bromomethane	2.15	94	18595	15.452	ug/l	97
6) Chloroethane	2.26	64	28303	17.381	ug/l	91
7) Trichlorofluoromethane	2.53	101	143116	18.231	ug/l	100
8) Diethyl Ether	2.87	74	38220	17.348	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	125547	16.267	ug/l	97
10) Methyl Iodide	3.31	142	170305	17.370	ug/l	99
11) Tert butyl alcohol	4.06	59	27364	84.402	ug/l #	90
12) 1,1-Dichloroethene	3.13	96	106883	16.065	ug/l	98
13) Acrolein	3.04	56	29483	74.588	ug/l	90
14) Allyl chloride	3.62	41	157193	17.323	ug/l	98
15) Acrylonitrile	4.19	53	89086	79.824	ug/l	97
16) Acetone	3.22	43	106272	73.488	ug/l	96
17) Carbon Disulfide	3.38	76	340402	15.746	ug/l	98
18) Methyl Acetate	3.64	43	48755	17.920	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	212500	18.446	ug/l	97
20) Methylene Chloride	3.81	84	162403	19.791	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	130741	18.093	ug/l	87
22) Diisopropyl ether	5.11	45	322743	16.964	ug/l	93
23) Vinyl Acetate	5.05	43	847063	80.689	ug/l	100
24) 1,1-Dichloroethane	4.98	63	194577	16.690	ug/l	99
25) 2-Butanone	6.06	43	135833	81.478	ug/l	98
26) 2,2-Dichloropropane	6.02	77	173178	18.242	ug/l	95
27) cis-1,2-Dichloroethene	6.03	96	137393	17.822	ug/l	96
28) Bromochloromethane	6.43	49	80357	18.685	ug/l	92
29) Tetrahydrofuran	6.46	42	66292	82.373	ug/l	100
30) Chloroform	6.65	83	224757	18.402	ug/l	99
31) Cyclohexane	6.95	56	145729	16.000	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	197273	18.432	ug/l	98
36) 1,1-Dichloropropene	7.14	75	169964	19.270	ug/l	96
37) Ethyl Acetate	6.17	43	64143	17.854	ug/l #	94
38) Carbon Tetrachloride	7.11	117	203601	19.696	ug/l	99

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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)
39) Methylcyclohexane	8.86	83	147247	16.261	ug/l	99
40) Benzene	7.45	78	387868	18.228	ug/l	99
41) Methacrylonitrile	6.44	41	75745	18.061	ug/l	97
42) 1,2-Dichloroethane	7.57	62	128345	19.179	ug/l	100
43) Isopropyl Acetate	9.23	43	90137	17.287	ug/l #	97
44) Trichloroethene	8.53	130	147476	18.078	ug/l	95
45) 1,2-Dichloropropane	8.93	63	99569	18.868	ug/l	94
46) Dibromomethane	9.06	93	67779	17.971	ug/l	92
47) Bromodichloromethane	9.37	83	157655	19.033	ug/l	95
48) Methyl methacrylate	9.11	41	51441	17.116	ug/l	96
49) 1,4-Dioxane	9.08	88	11734	353.704	ug/l	93
51) 4-Methyl-2-Pentanone	10.29	43	291196	94.436	ug/l	99
52) Toluene	10.50	92	240514	18.101	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	145366	20.020	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	159721	17.844	ug/l	92
55) 1,1,2-Trichloroethane	11.18	97	78223	17.455	ug/l	94
56) Ethyl methacrylate	11.03	69	87399	18.487	ug/l	98
57) 1,3-Dichloropropane	11.40	76	128728	19.614	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	257424	115.400	ug/l	98
59) 2-Hexanone	11.52	43	216768	90.582	ug/l	98
60) Dibromochloromethane	11.67	129	128119	18.095	ug/l	97
61) 1,2-Dibromoethane	11.80	107	98487	18.792	ug/l	96
64) Tetrachloroethene	11.25	164	112243	15.377	ug/l	97
65) Chlorobenzene	12.39	112	333137	17.864	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	130361	18.166	ug/l	98
67) Ethyl Benzene	12.52	91	526268	18.532	ug/l	100
68) m/p-Xylenes	12.66	106	378807	34.600	ug/l	92
69) o-Xylene	13.04	106	180084	17.040	ug/l	98
70) Styrene	13.06	104	307117	17.016	ug/l	99
71) Bromoform	13.23	173	70423	15.816	ug/l	95
73) Isopropylbenzene	13.40	105	448961	15.936	ug/l	98
74) N-amyl acetate	13.26	43	122574	16.013	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	95131	16.331	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	93026	16.172	ug/l	96
77) Bromobenzene	13.66	156	138012	16.877	ug/l	90
78) n-propylbenzene	13.77	91	599983	17.804	ug/l	97
79) 2-Chlorotoluene	13.83	91	349626	18.142	ug/l	90
80) 1,3,5-Trimethylbenzene	13.93	105	412456	18.445	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	27760	15.903	ug/l #	84
82) 4-Chlorotoluene	13.94	91	388679	18.406	ug/l	94
83) tert-Butylbenzene	14.18	119	443120	16.436	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	406718	18.022	ug/l	99
85) sec-Butylbenzene	14.36	105	482587	16.567	ug/l	100
86) p-Isopropyltoluene	14.48	119	456137	18.051	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	244604	17.381	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	234813	16.536	ug/l	96
89) n-Butylbenzene	14.80	91	421612	19.196	ug/l	96
90) Hexachloroethane	15.00	117	122754	17.903	ug/l	89
91) 1,2-Dichlorobenzene	14.80	146	209427	18.056	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	10898	15.503	ug/l	78

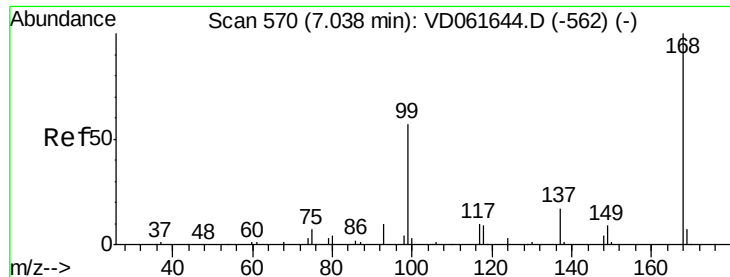
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	93588	15.837	ug/l	97
94) Hexachlorobutadiene	16.04	225	68674	15.050	ug/l	98
95) Naphthalene	16.11	128	157039	16.795	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	51157	17.346	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

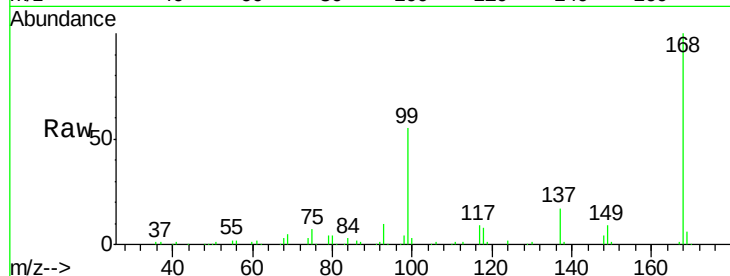
VD0411SBSD01

Tot Ion:168 Resp: 638207

Ion Ratio Lower Upper

168 100

99 55.5 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

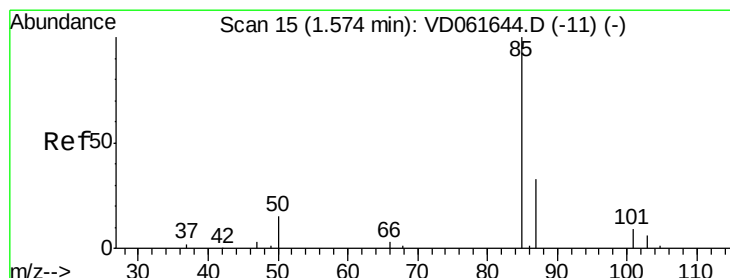
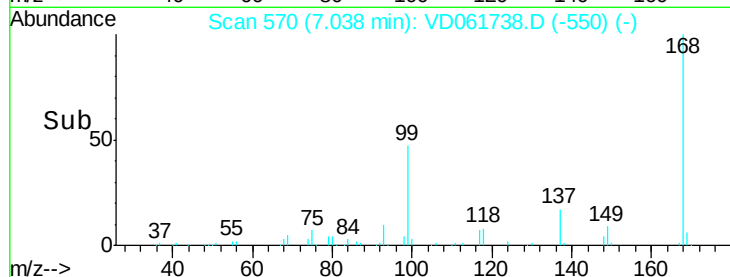
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 16.388 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061738.D

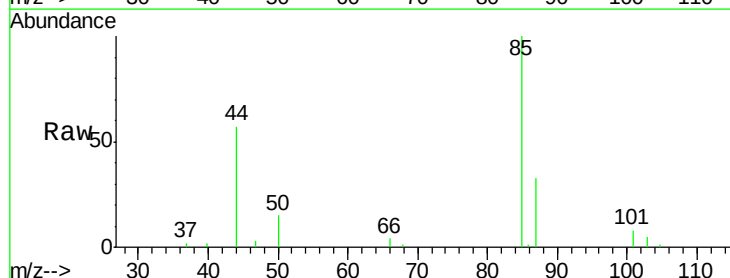
Acq: 11 Apr 2019 13:57

Tgt Ion: 85 Resp: 112835

Ion Ratio Lower Upper

85 100

87 33.2 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

50000

40000

30000

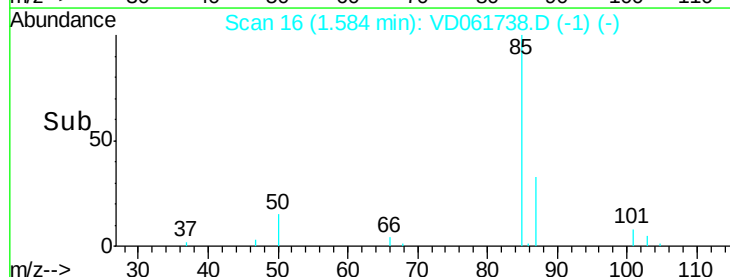
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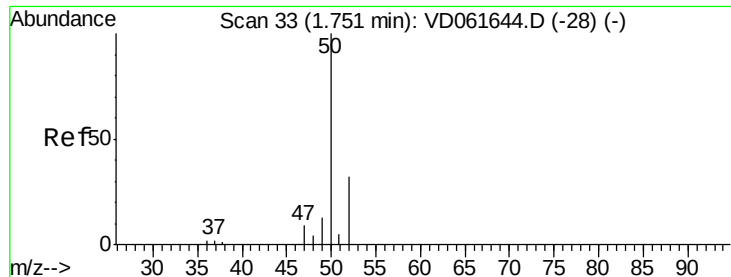
10000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 16.795 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

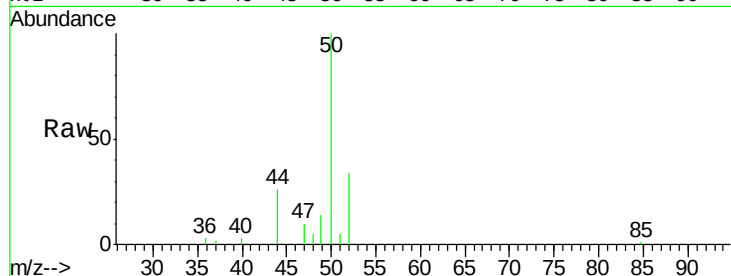
VD0411SBSD01

Tot Ion: 50 Resp: 93449

Ion Ratio Lower Upper

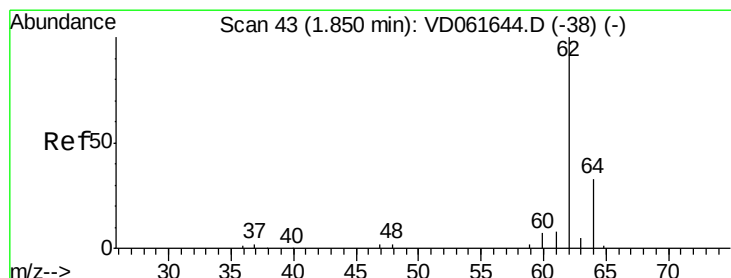
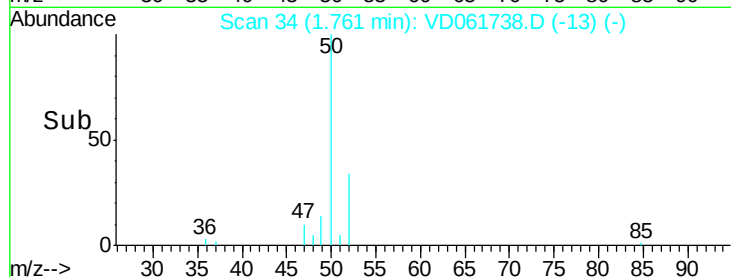
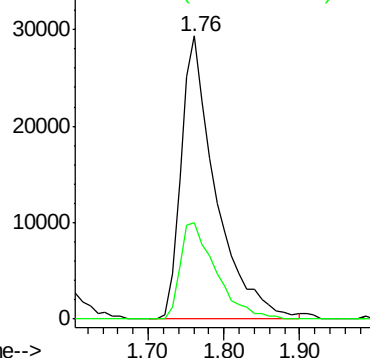
50 100

52 34.2 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: 17.839 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061738.D

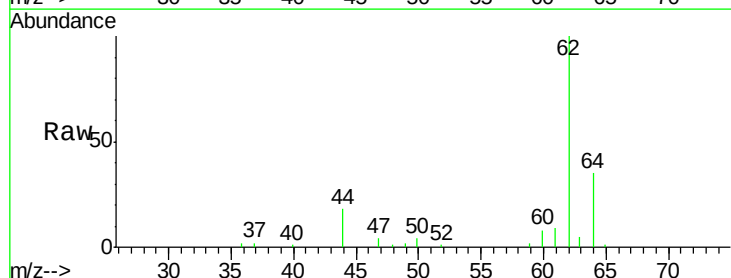
Acq: 11 Apr 2019 13:57

Tgt Ion: 62 Resp: 92746

Ion Ratio Lower Upper

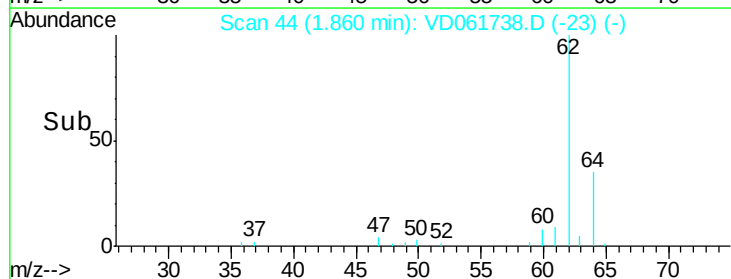
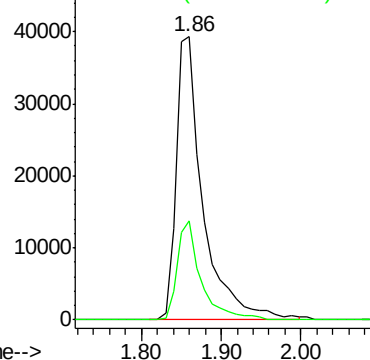
62 100

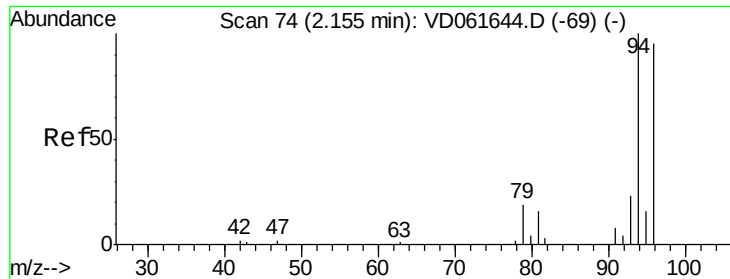
64 34.8 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.452 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

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ClientSampleId :

VD0411SBSD01

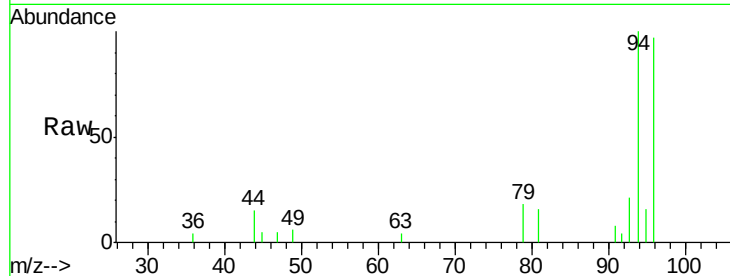
Tot Ion: 94 Resp: 18595

Ion Ratio Lower Upper

94 100

96 97.2 75.8 113.8

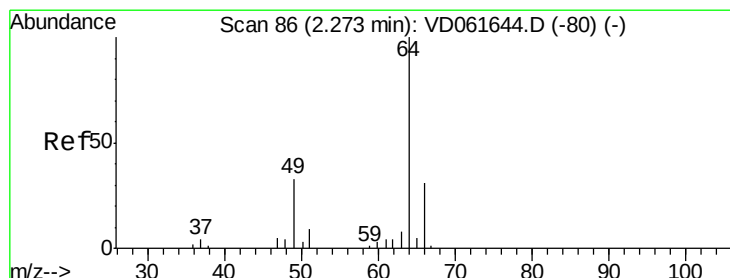
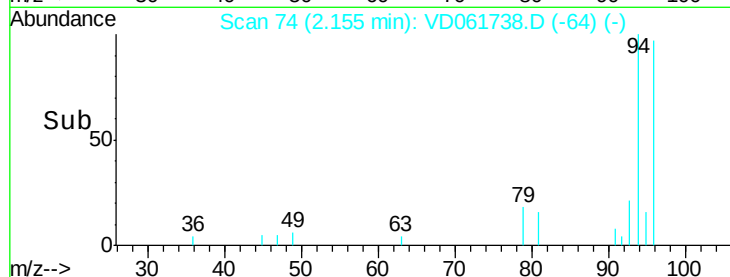
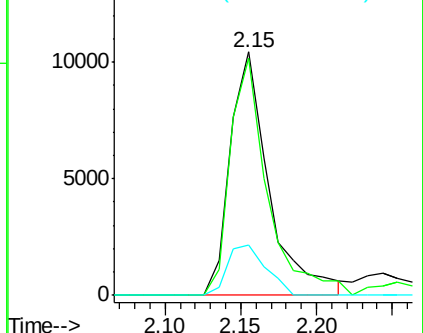
93 20.8 18.6 28.0



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: 17.381 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061738.D

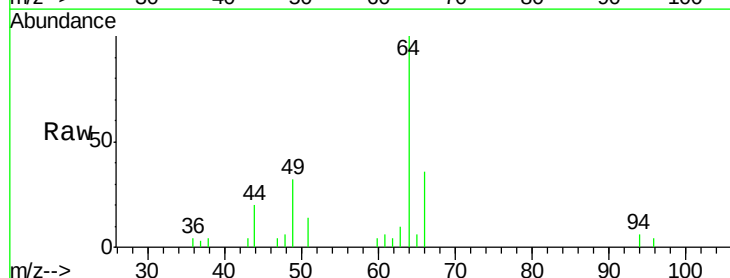
Acq: 11 Apr 2019 13:57

Tgt Ion: 64 Resp: 28303

Ion Ratio Lower Upper

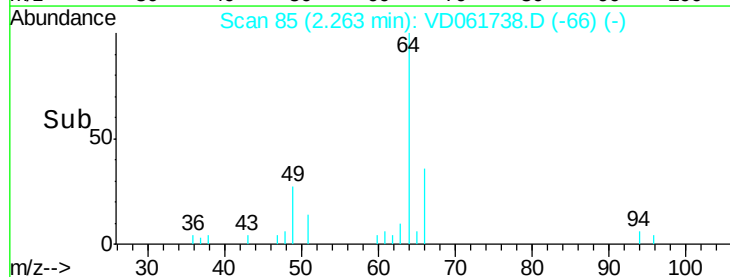
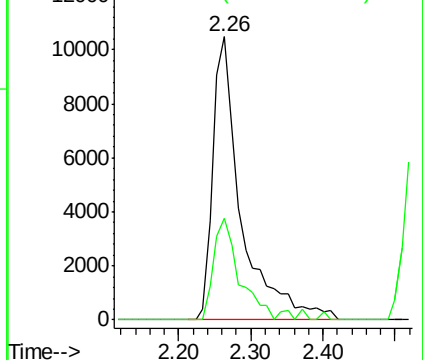
64 100

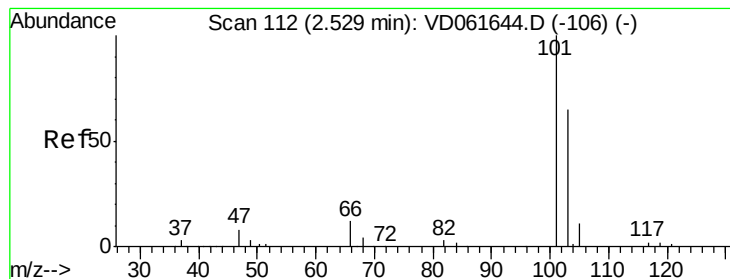
66 35.9 24.9 37.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



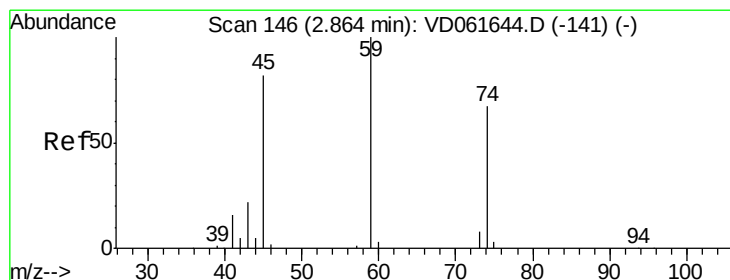
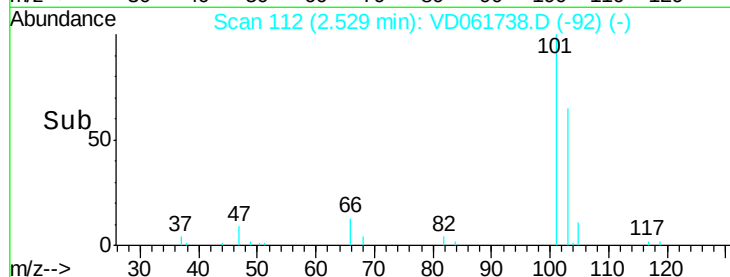
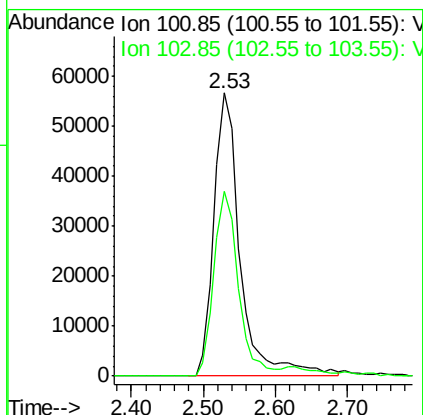
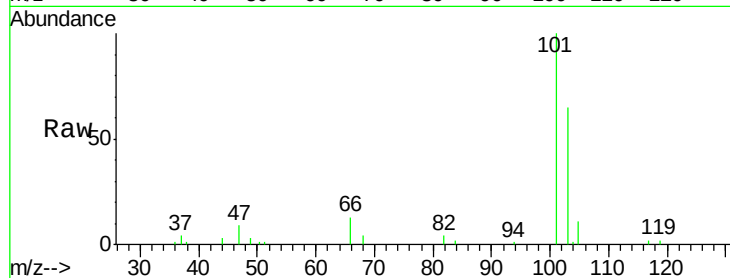


#7

Trichlorofluoromethane
 Concen: 18.231 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

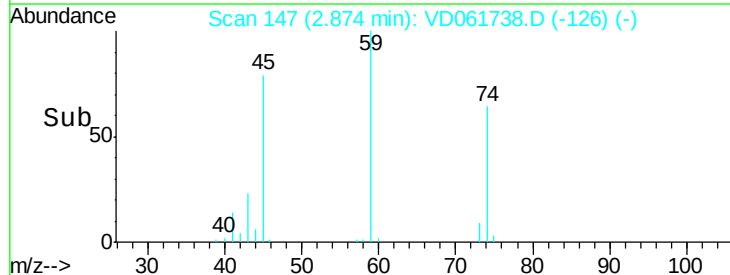
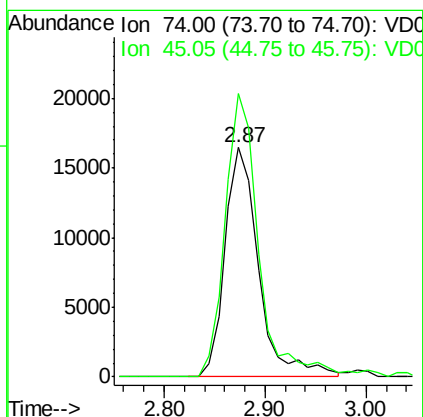
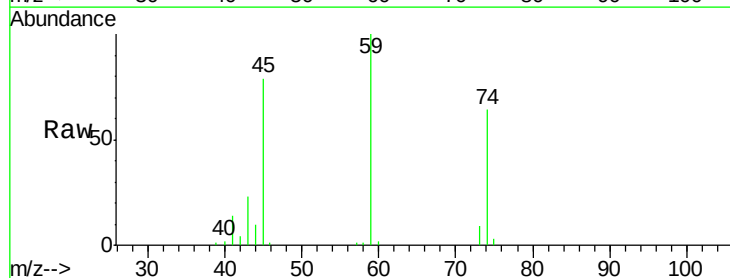
Tot Ion:101 Resp: 143116
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.0 78.0

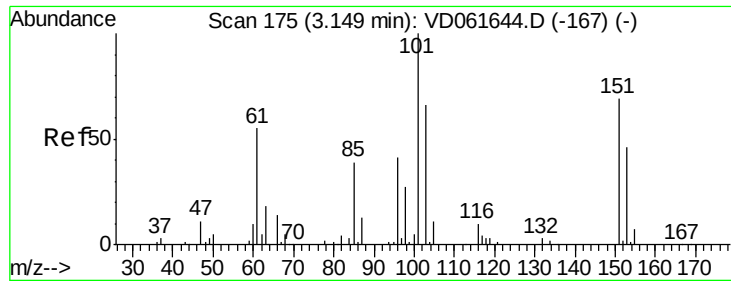


#8

Diethyl Ether
 Concen: 17.348 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Tgt Ion: 74 Resp: 38220
 Ion Ratio Lower Upper
 74 100
 45 123.6 61.0 183.0

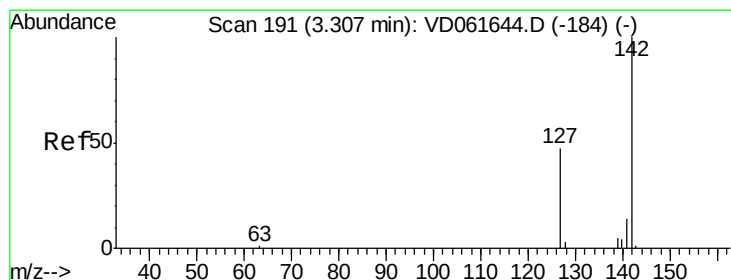
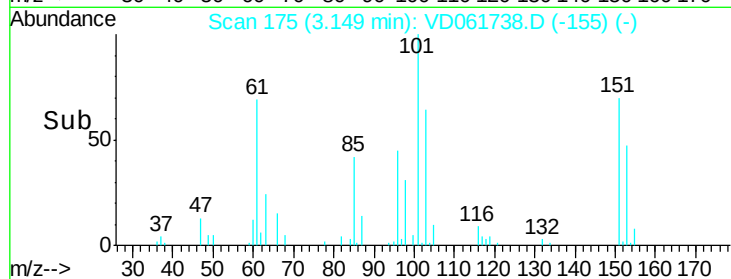
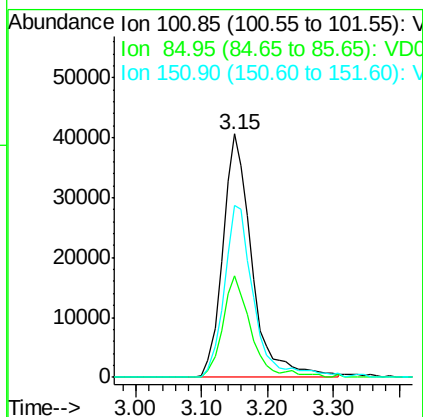
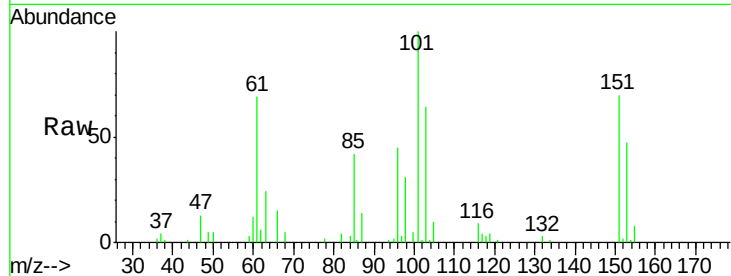




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 16.267 ug/l
 RT: 3.15 min Scan# 175
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

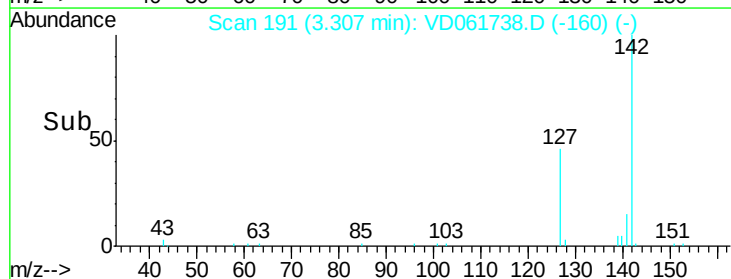
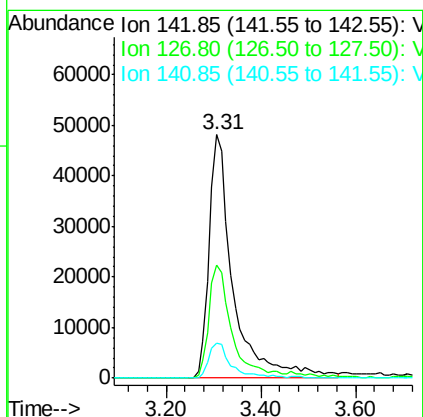
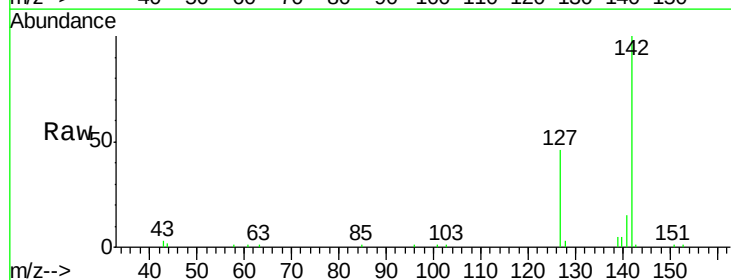
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

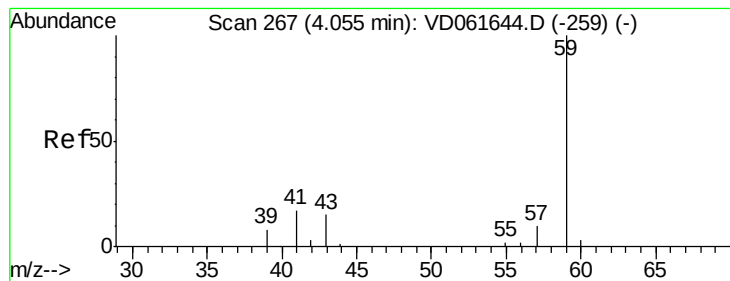
Tot Ion:101 Resp: 125547
 Ion Ratio Lower Upper
 101 100
 85 41.6 31.0 46.6
 151 70.5 55.3 82.9



#10
 Methyl Iodide
 Concen: 17.370 ug/l
 RT: 3.31 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Tgt Ion:142 Resp: 170305
 Ion Ratio Lower Upper
 142 100
 127 46.4 37.2 55.8
 141 14.6 10.8 16.2



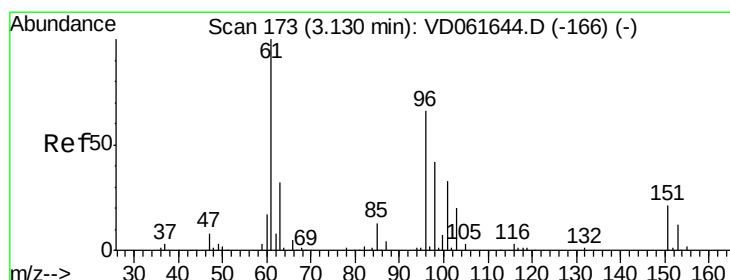
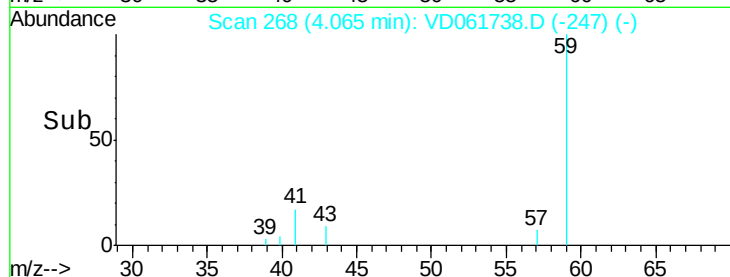
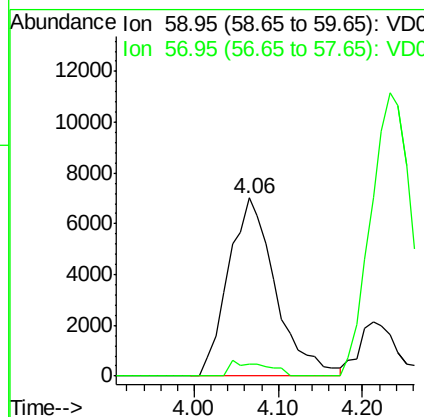
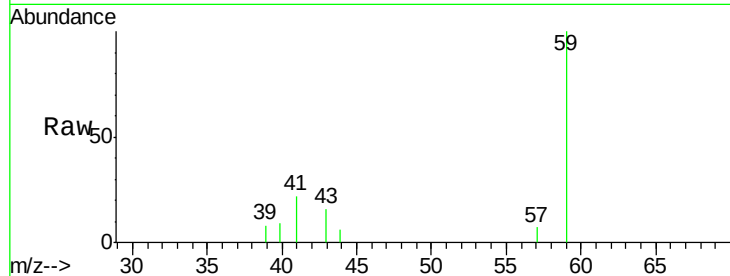


#11

Tert butyl alcohol
 Concen: 84.402 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.01 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

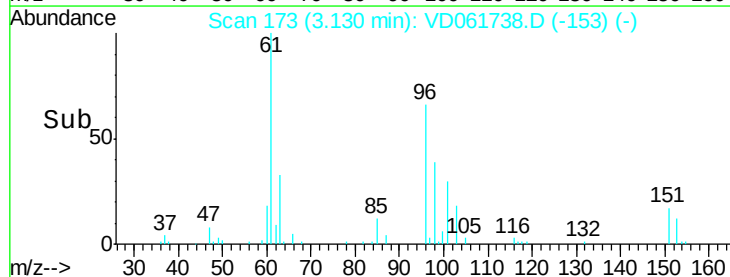
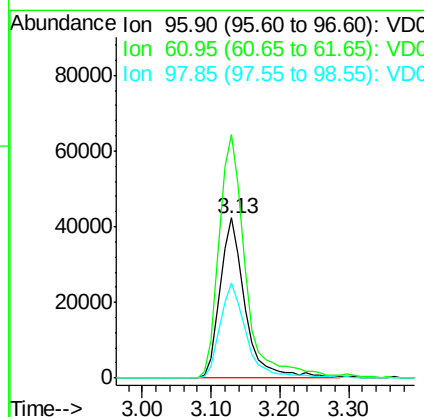
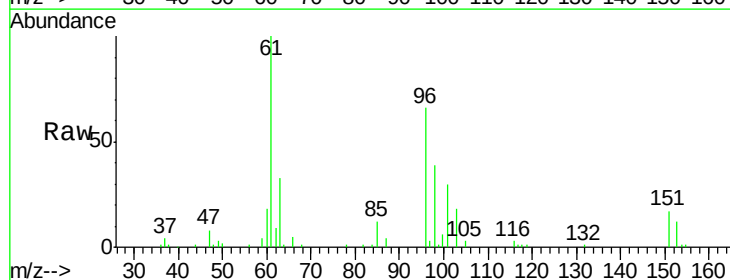
Tot Ion: 59 Resp: 27364
 Ion Ratio Lower Upper
 59 100
 57 6.6 8.4 12.6#

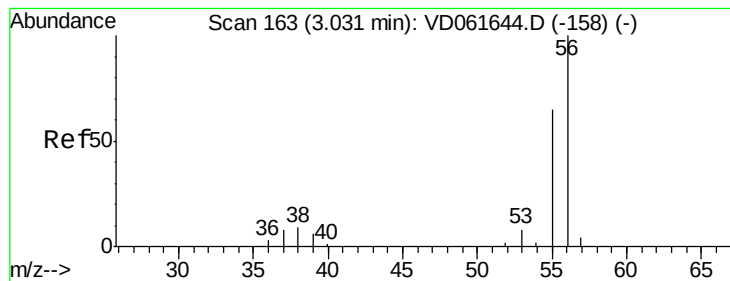


#12

1,1-Dichloroethene
 Concen: 16.065 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Tgt Ion: 96 Resp: 106883
 Ion Ratio Lower Upper
 96 100
 61 152.1 121.3 181.9
 98 59.5 50.6 76.0





#13

Acrolein

Concen: 74.588 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

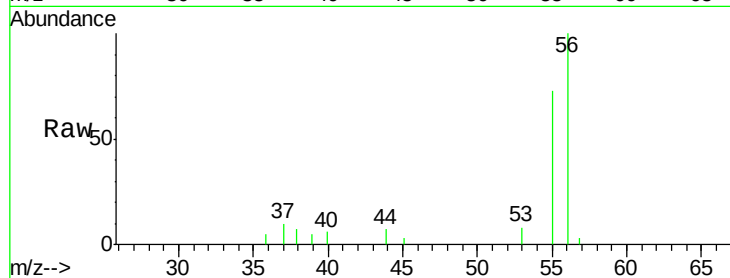
VD0411SBSD01

Tot Ion: 56 Resp: 29483

Ion Ratio Lower Upper

56 100

55 72.9 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

12000

10000

8000

6000

4000

2000

0

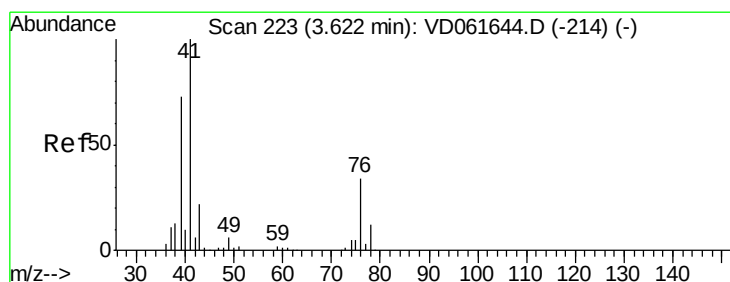
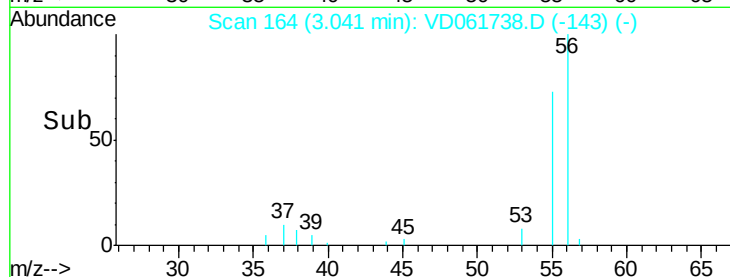
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 17.323 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

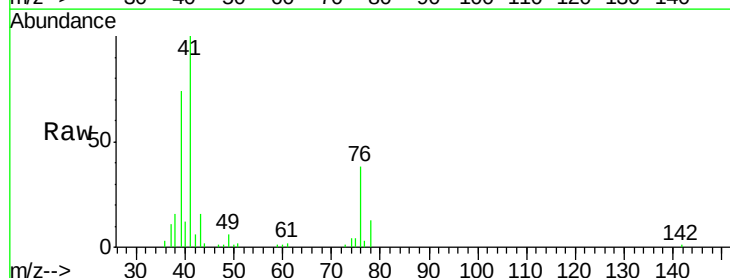
Tgt Ion: 41 Resp: 157193

Ion Ratio Lower Upper

41 100

39 74.3 58.2 87.4

76 38.0 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

3.62

80000

60000

40000

20000

0

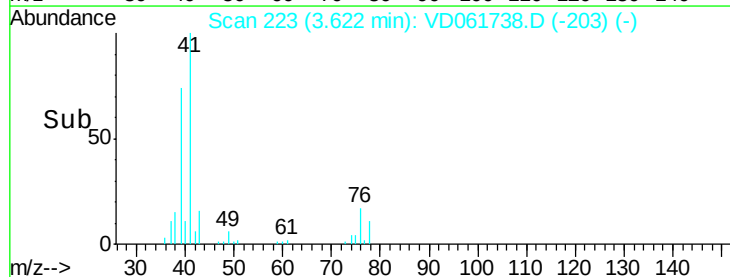
Time-->

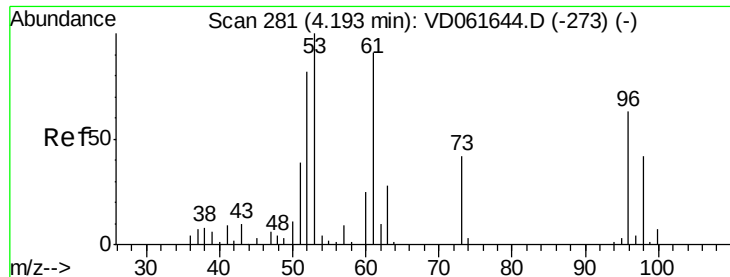
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 79.824 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

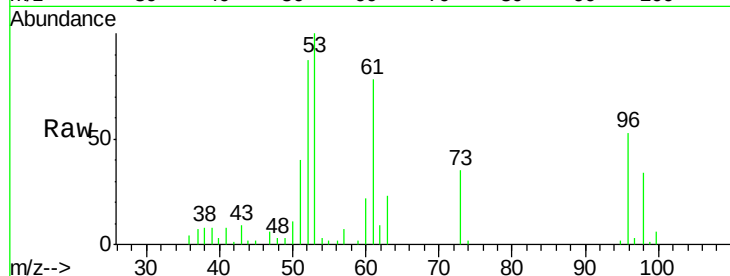
Tot Ion: 53 Resp: 89086

Ion Ratio Lower Upper

53 100

52 86.6 65.9 98.9

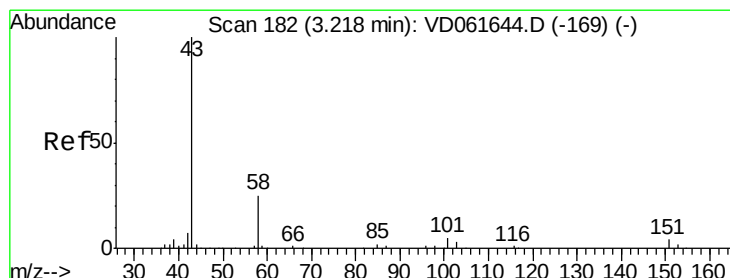
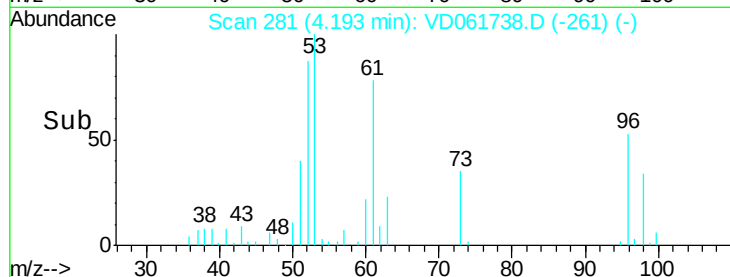
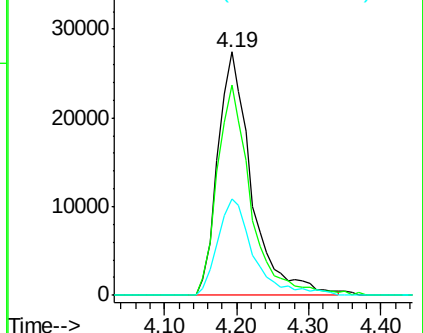
51 39.7 31.4 47.2



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: 73.488 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061738.D

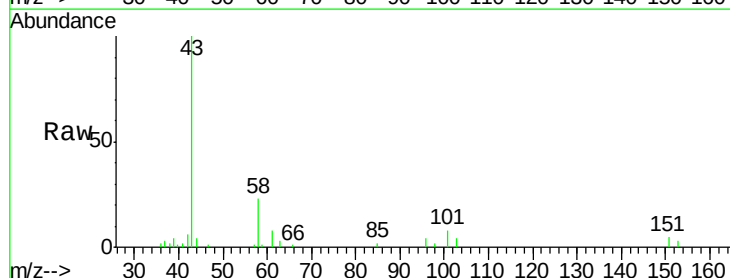
Acq: 11 Apr 2019 13:57

Tgt Ion: 43 Resp: 106272

Ion Ratio Lower Upper

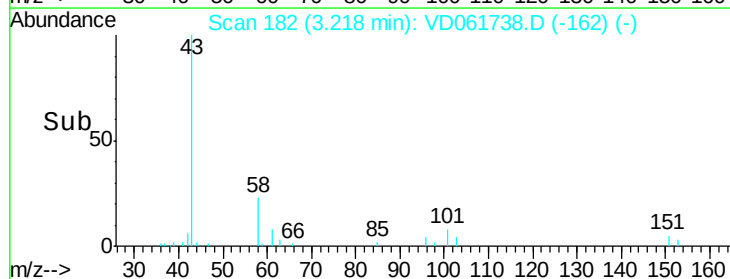
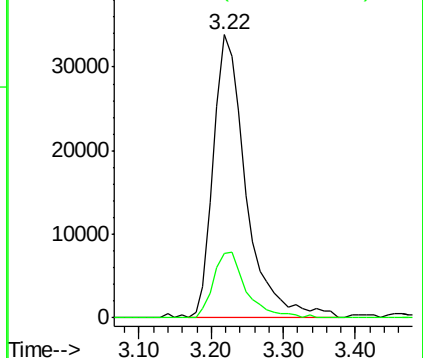
43 100

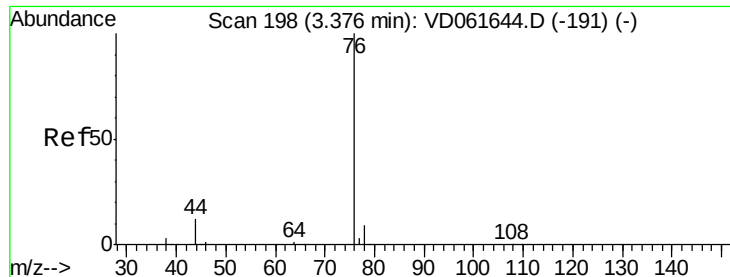
58 22.7 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 15.746 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

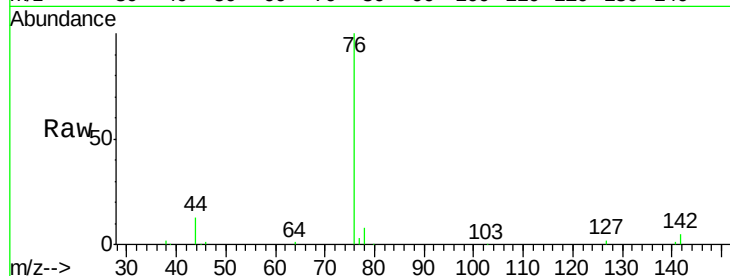
VD0411SBSD01

Tot Ion: 76 Resp: 340402

Ion Ratio Lower Upper

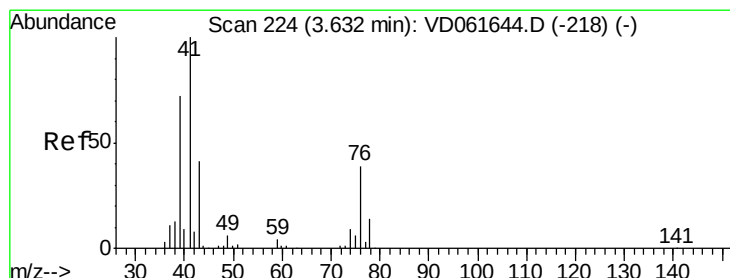
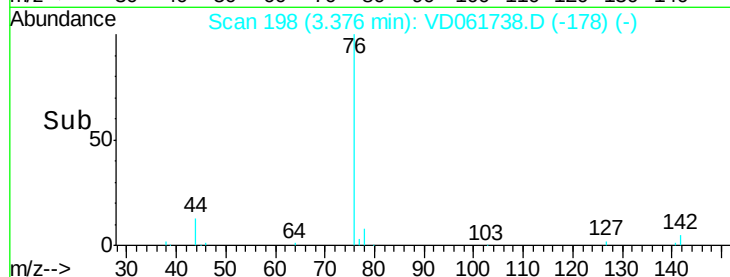
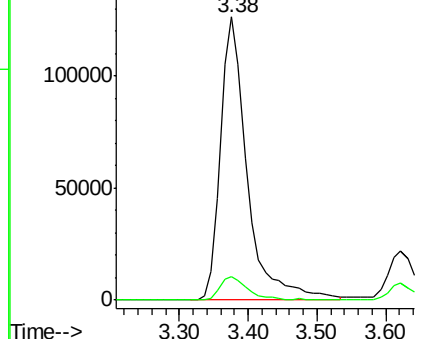
76 100

78 8.4 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 17.920 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061738.D

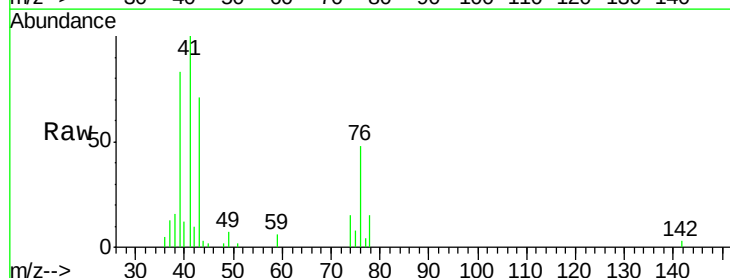
Acq: 11 Apr 2019 13:57

Tgt Ion: 43 Resp: 48755

Ion Ratio Lower Upper

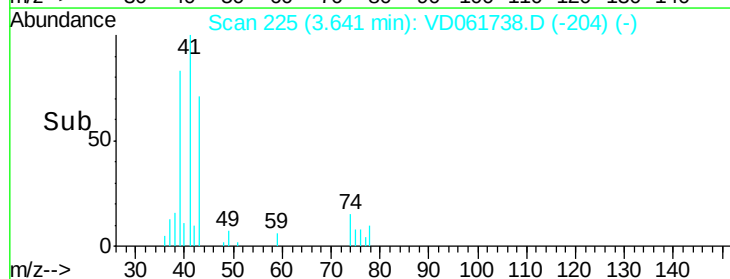
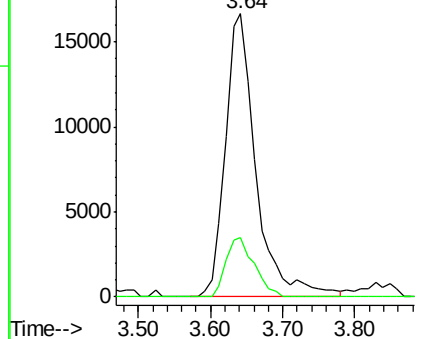
43 100

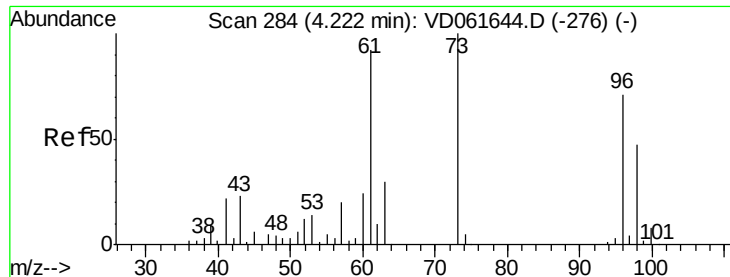
74 21.1 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

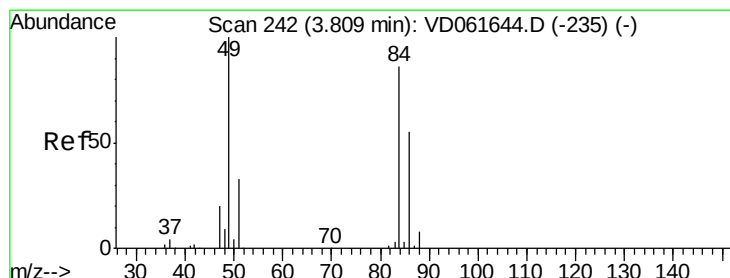
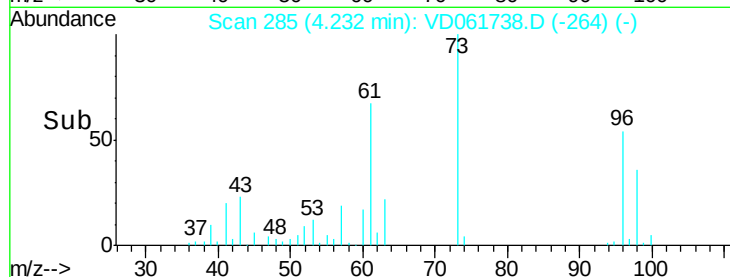
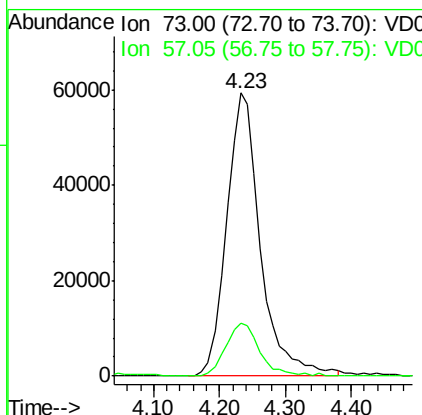
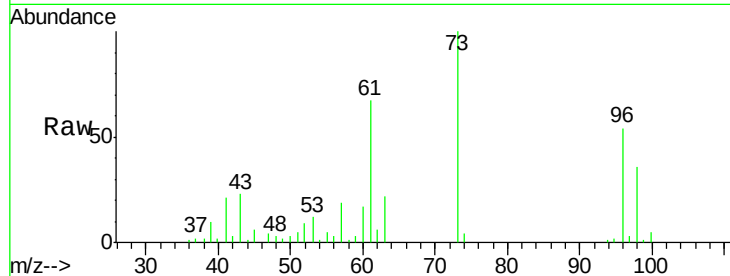




#19
Methyl tert-butyl Ether
Concen: 18.446 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

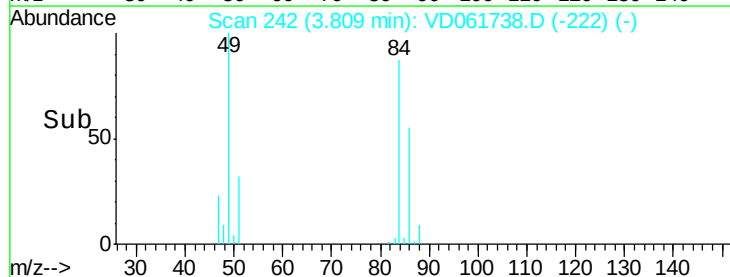
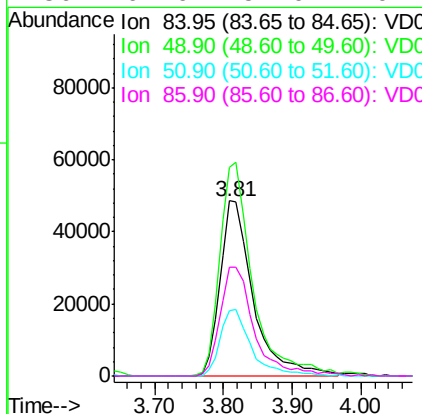
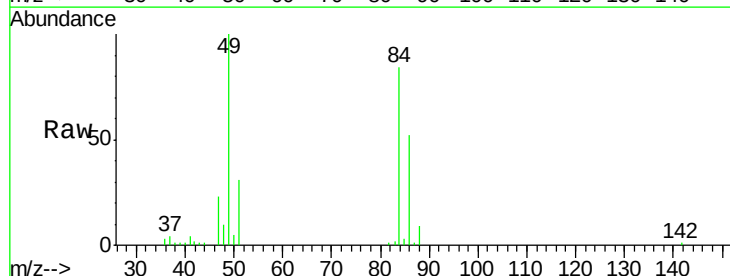
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS01

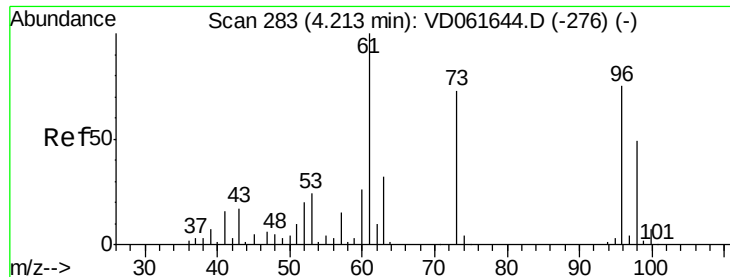
Tot Ion: 73 Resp: 212500
Ion Ratio Lower Upper
73 100
57 18.8 16.0 24.0



#20
Methylene Chloride
Concen: 19.791 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Tgt Ion: 84 Resp: 162403
Ion Ratio Lower Upper
84 100
49 119.6 93.0 139.4
51 37.5 30.4 45.6
86 62.6 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 18.093 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

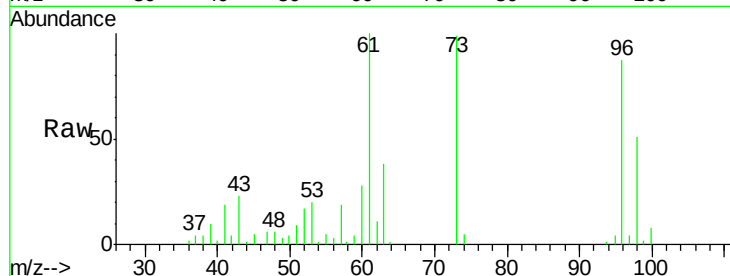
Tot Ion: 96 Resp: 130741

Ion Ratio Lower Upper

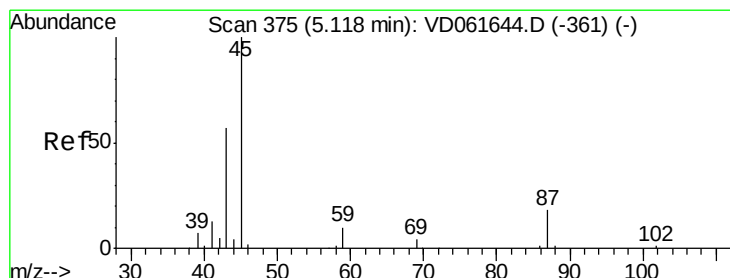
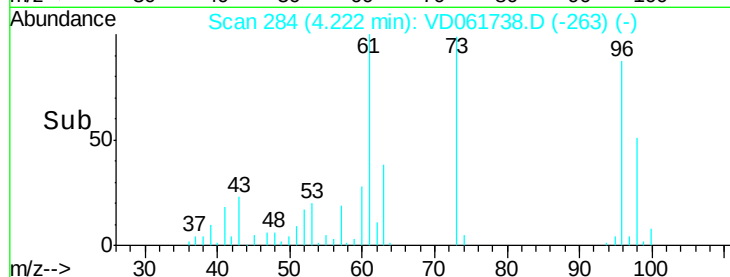
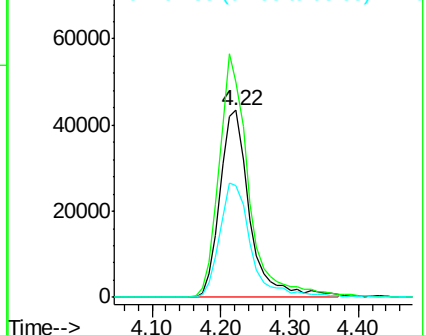
96 100

61 115.5 106.8 160.2

98 59.4 52.2 78.2



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



#22

Diisopropyl ether

Concen: 16.964 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Tgt Ion: 45 Resp: 322743

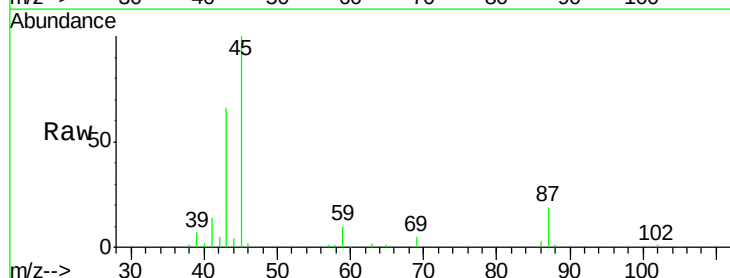
Ion Ratio Lower Upper

45 100

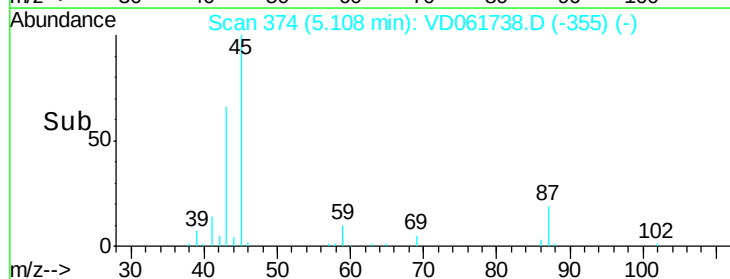
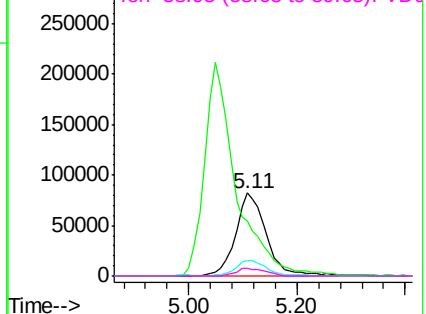
43 65.9 46.6 70.0

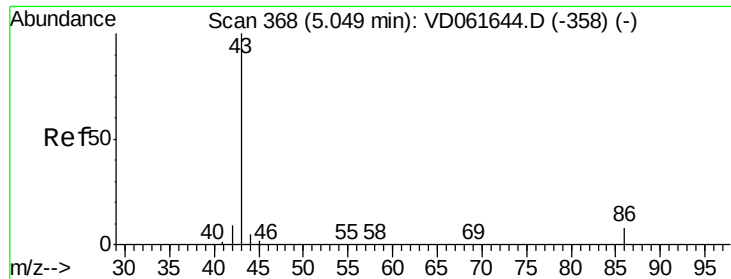
87 19.0 15.6 23.4

59 10.0 8.6 13.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 80.689 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

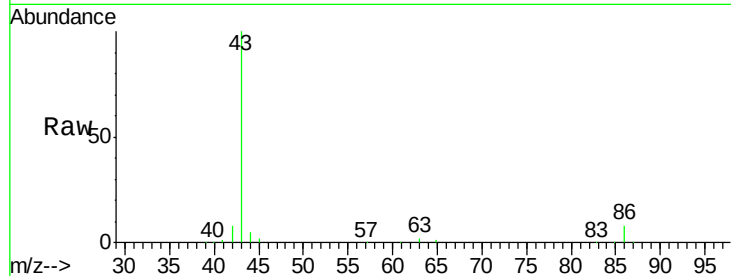
VD0411SBSD01

Tot Ion: 43 Resp: 847063

Ion Ratio Lower Upper

43 100

86 8.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

200000

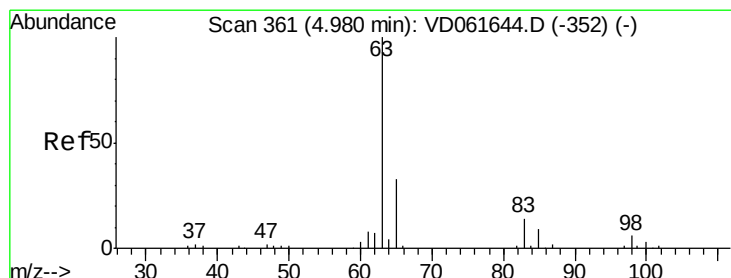
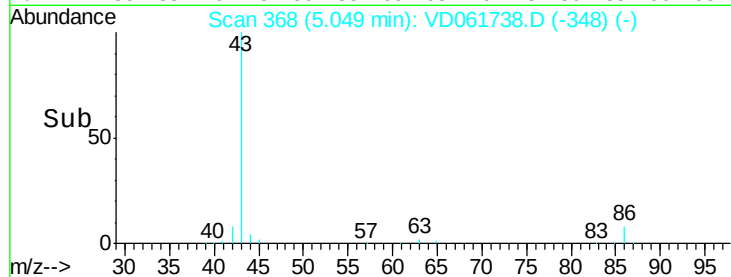
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 16.690 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

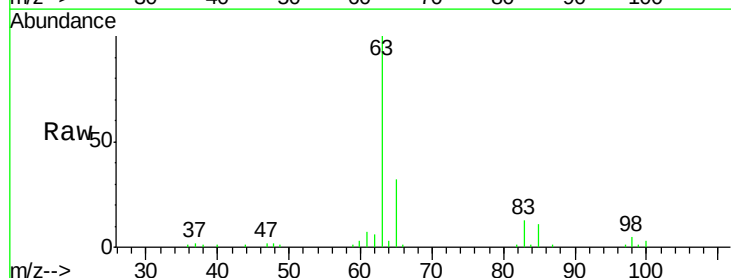
Tgt Ion: 63 Resp: 194577

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.6

100 3.4 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

4.98

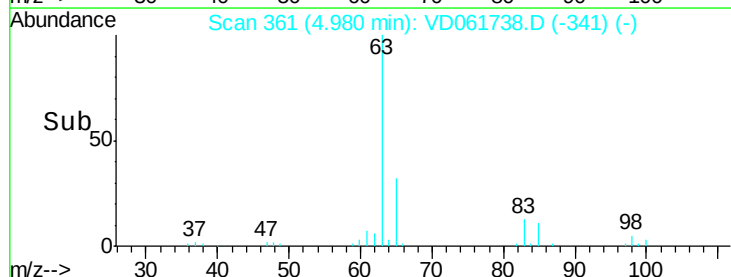
60000

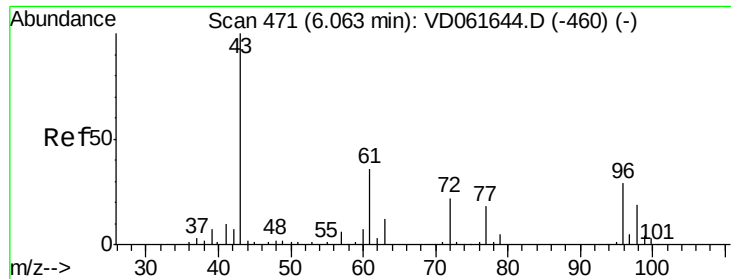
40000

20000

0

Time-->





#25

2-Butanone

Concen: 81.478 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

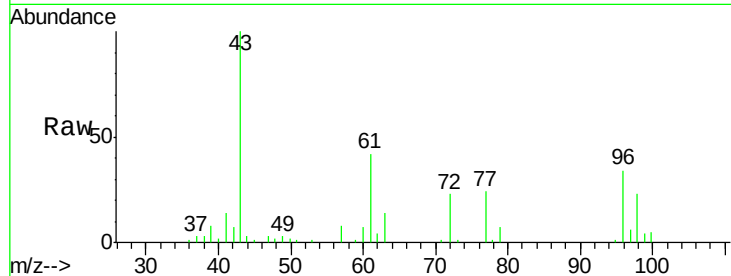
VD0411SBSD01

Tot Ion: 43 Resp: 135833

Ion Ratio Lower Upper

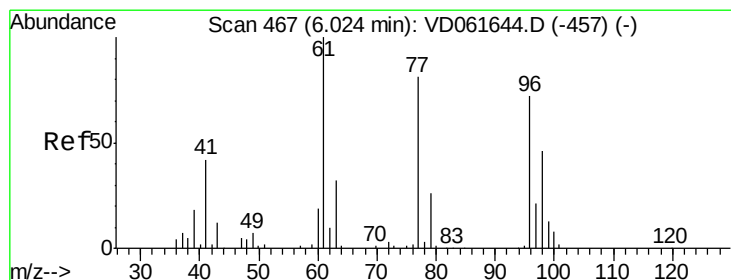
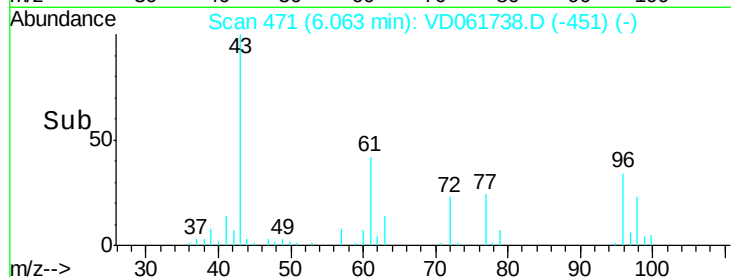
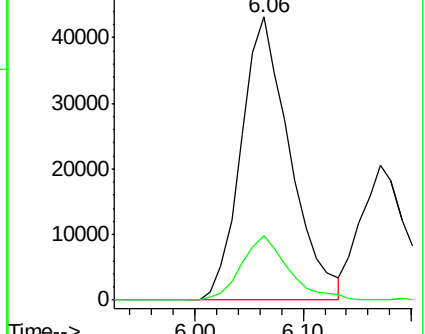
43 100

72 22.7 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: 18.242 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD061738.D

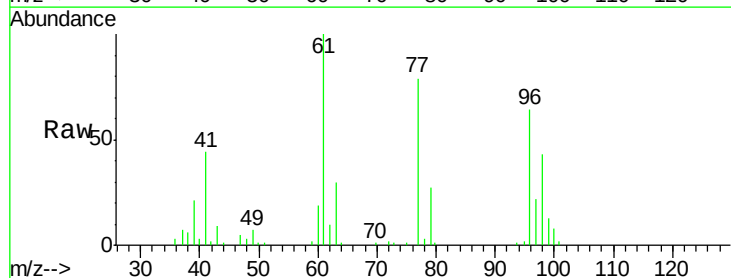
Acq: 11 Apr 2019 13:57

Tgt Ion: 77 Resp: 173178

Ion Ratio Lower Upper

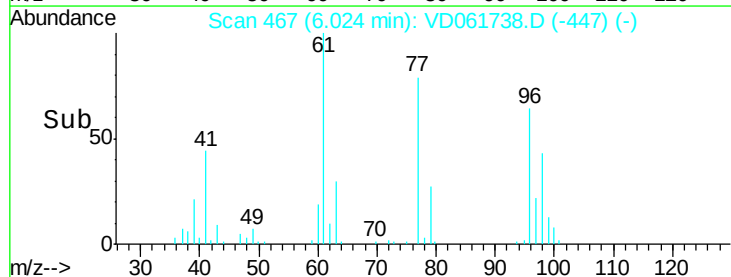
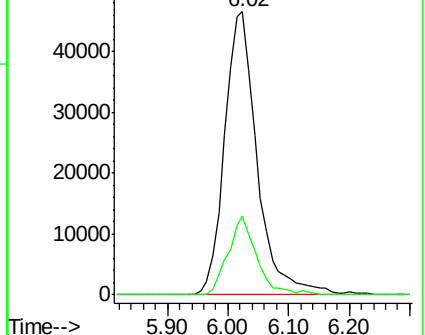
77 100

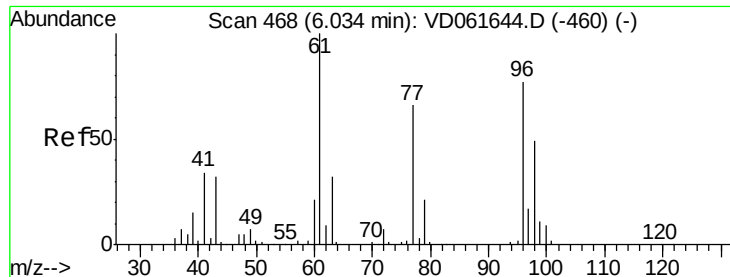
97 27.7 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



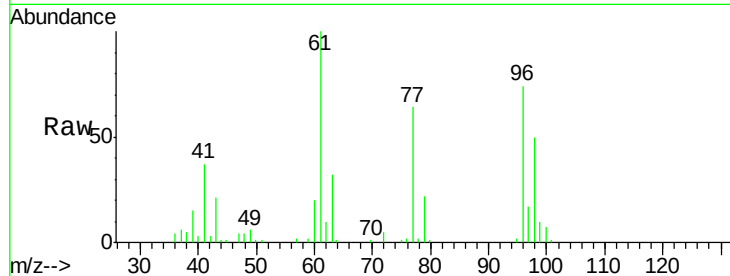


#27

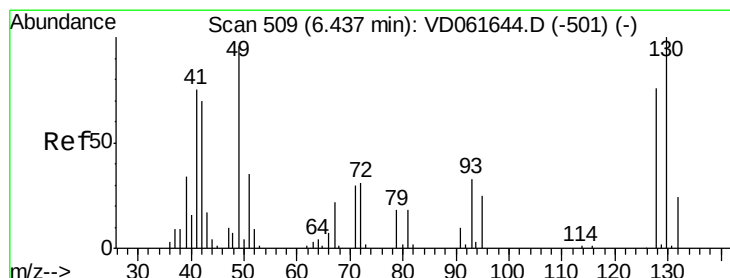
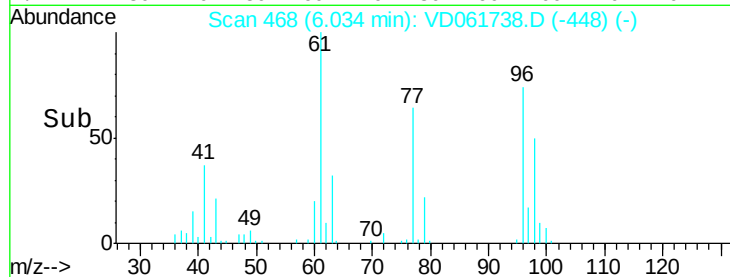
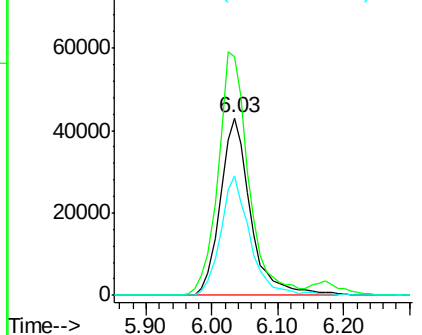
cis-1,2-Dichloroethene
 Concen: 17.822 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

Tot Ion	96	Resp	137393
Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	259.8
98	67.1	0.0	127.6



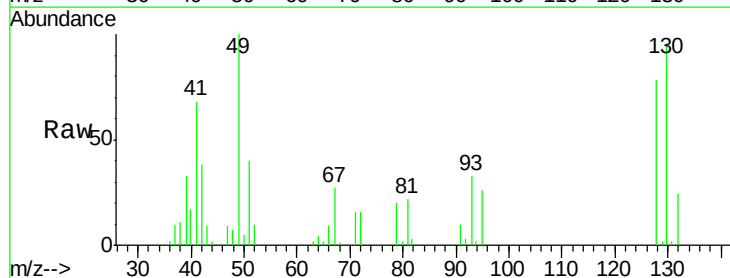
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



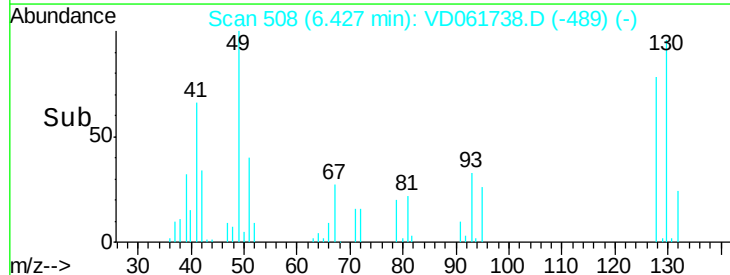
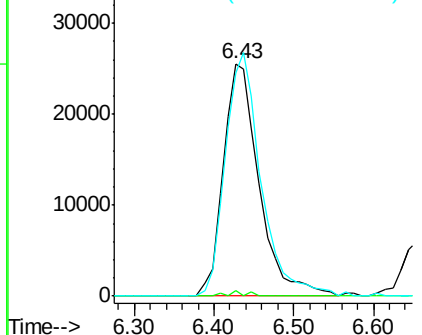
#28

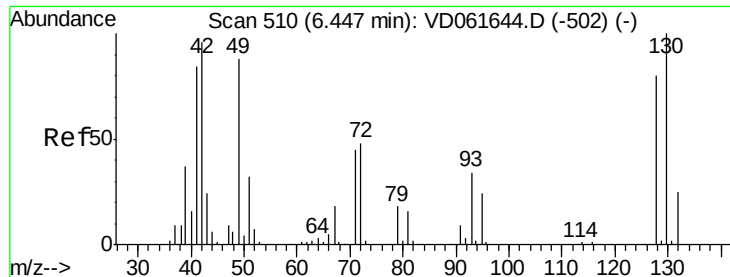
Bromochloromethane
 Concen: 18.685 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Tgt Ion	49	Resp	80357
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	95.8	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

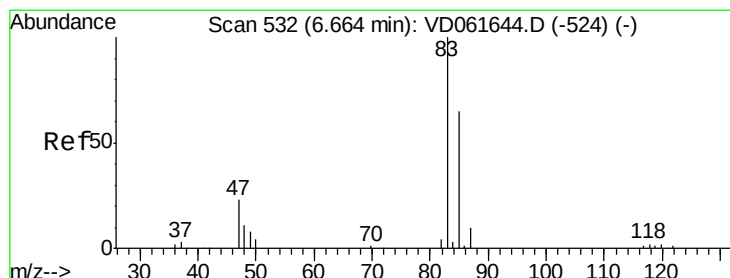
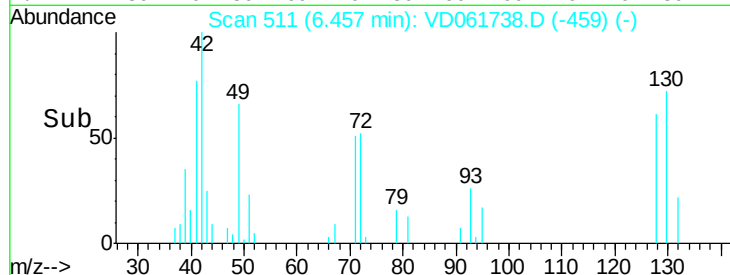
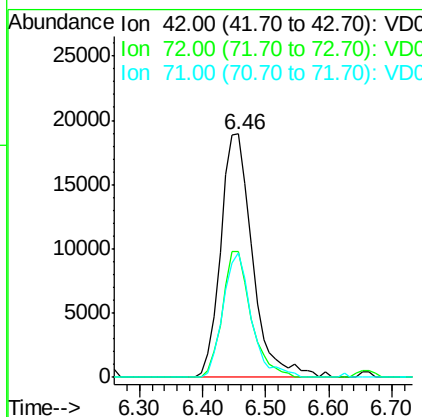
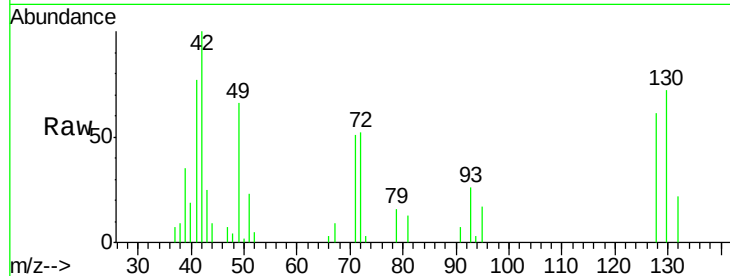




#29
Tetrahydrofuran
Concen: 82.373 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

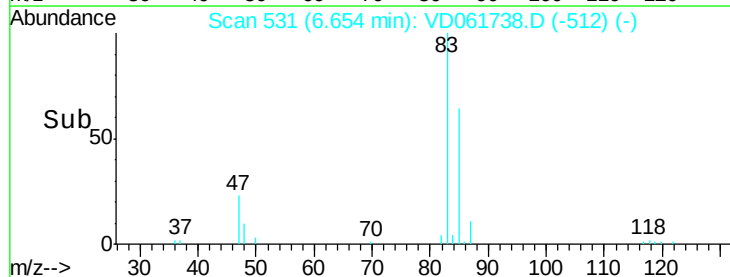
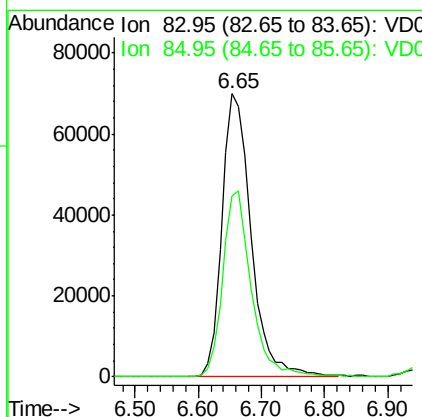
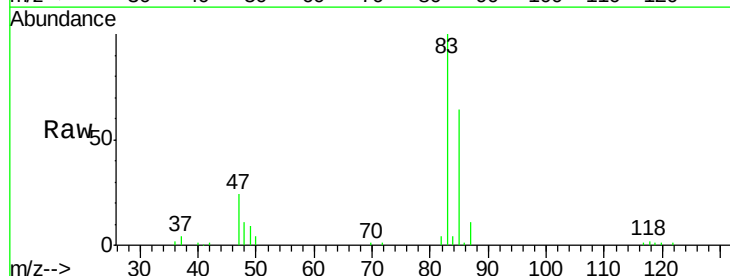
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

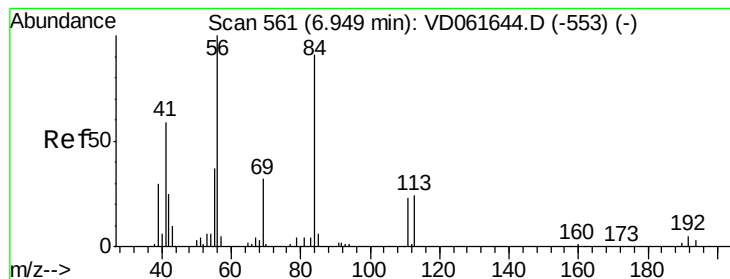
Tot Ion: 42 Resp: 66292
Ion Ratio Lower Upper
42 100
72 46.5 37.0 55.6
71 45.5 36.5 54.7



#30
Chloroform
Concen: 18.402 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.01 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Tgt Ion: 83 Resp: 224757
Ion Ratio Lower Upper
83 100
85 64.1 51.9 77.9





#31

Cyclohexane

Concen: 16.000 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

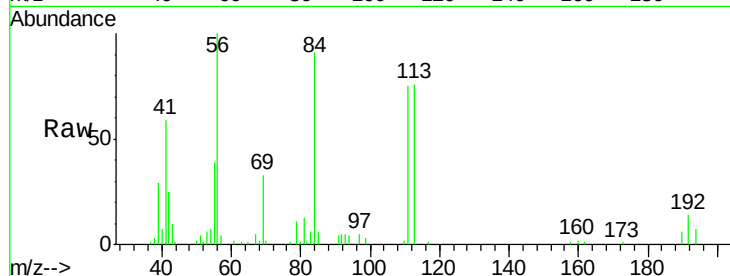
Tot Ion: 56 Resp: 145729

Ion Ratio Lower Upper

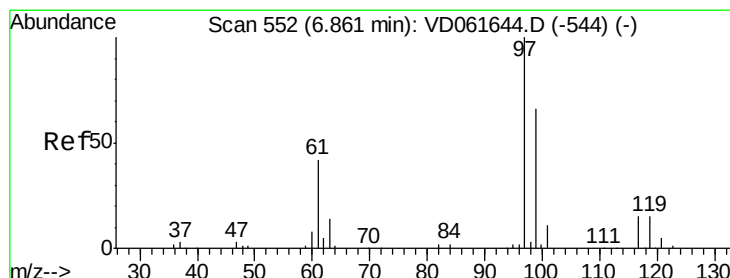
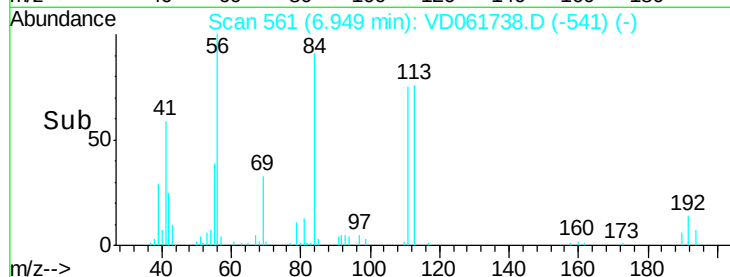
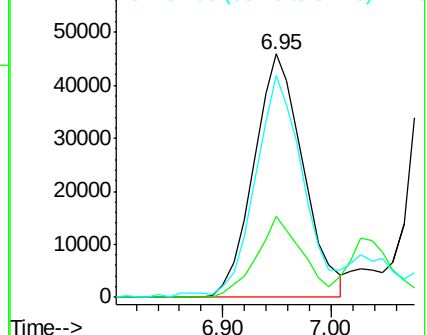
56 100

69 33.4 25.8 38.6

84 90.9 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: 18.432 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

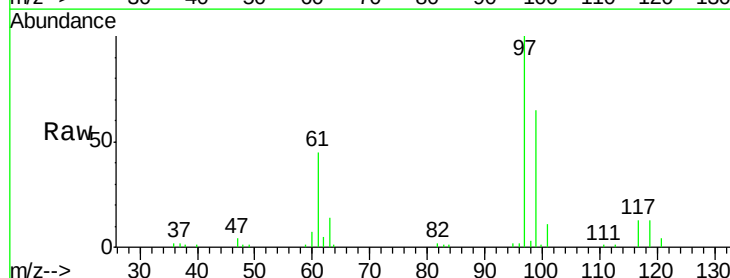
Tgt Ion: 97 Resp: 197273

Ion Ratio Lower Upper

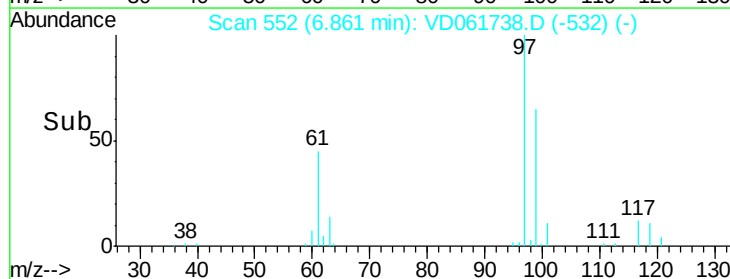
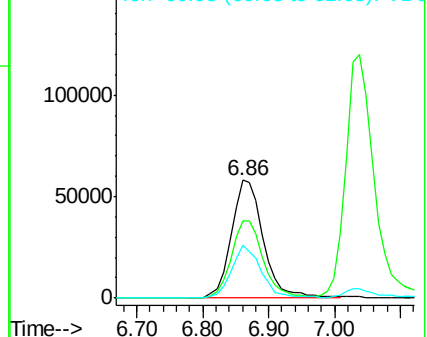
97 100

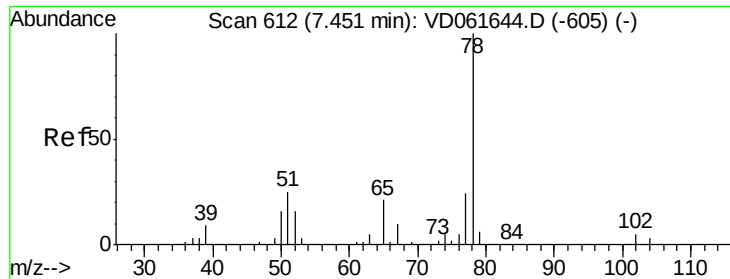
99 65.1 52.5 78.7

61 44.5 33.4 50.0



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

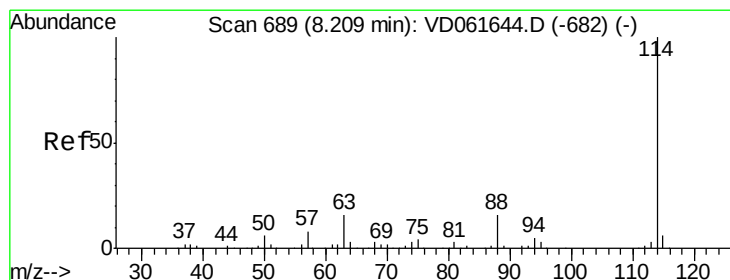
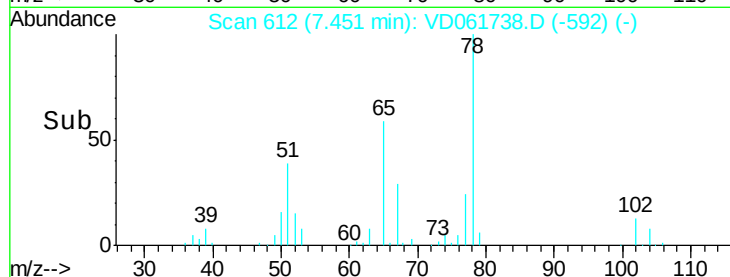
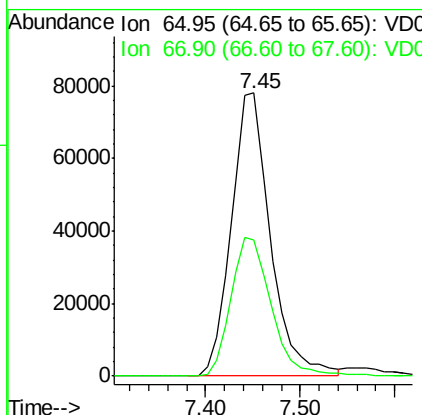
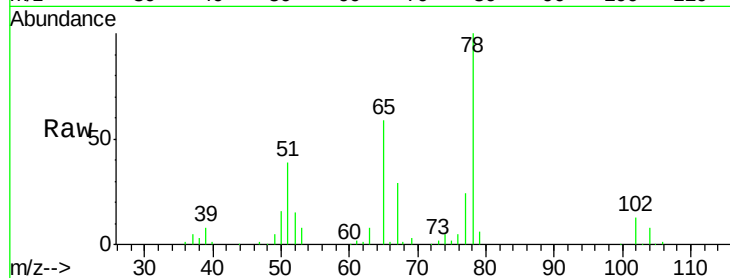




#33
 1,2-Dichloroethane-d4
 Concen: 18.432 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

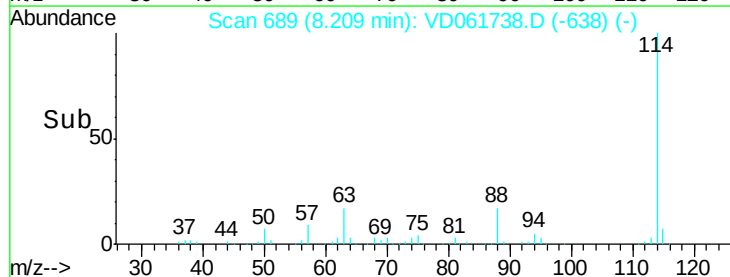
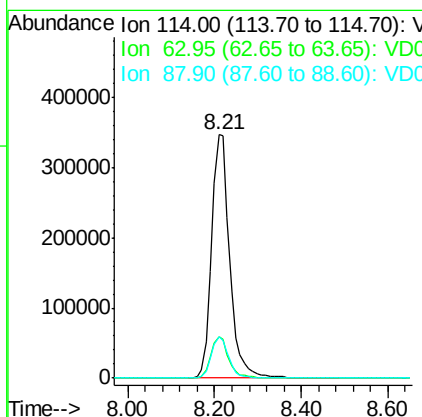
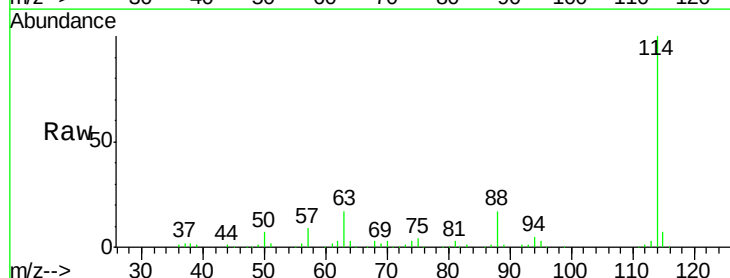
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

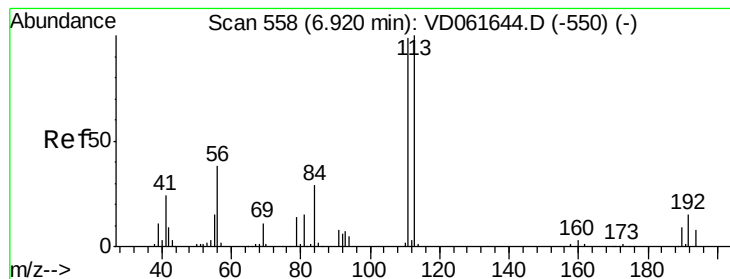
Tot Ion: 65 Resp: 223566
 Ion Ratio Lower Upper
 65 100
 67 48.2 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Tgt Ion: 114 Resp: 1007826
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 31.2
 88 17.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

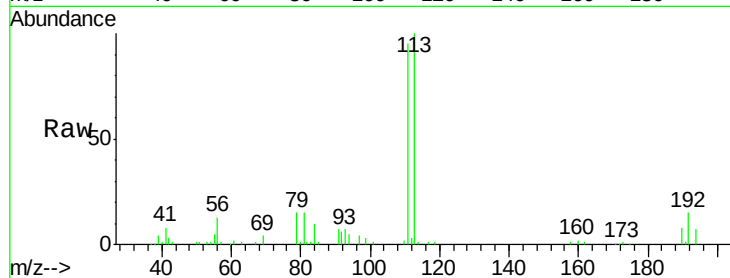
Tot Ion:113 Resp: 339997

Ion Ratio Lower Upper

113 100

111 94.7 79.3 118.9

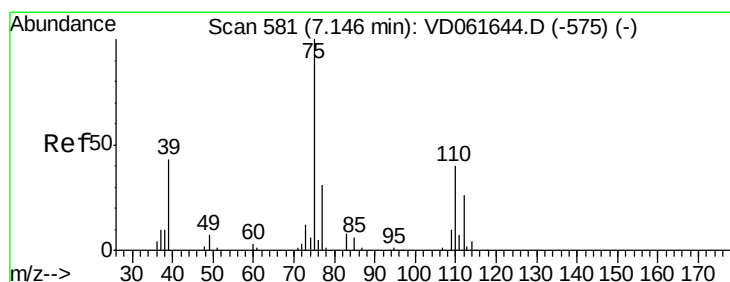
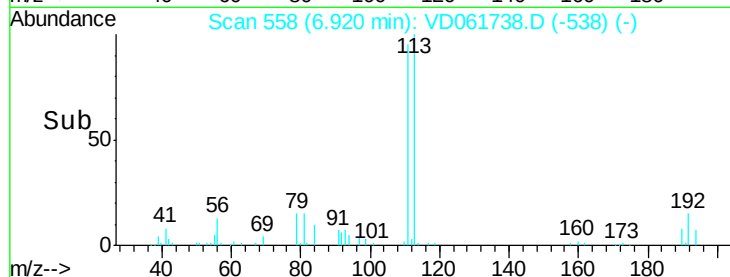
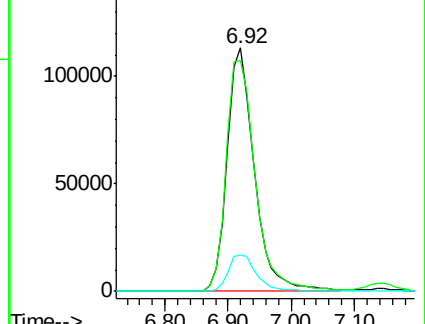
192 15.1 12.3 18.5



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: 19.270 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

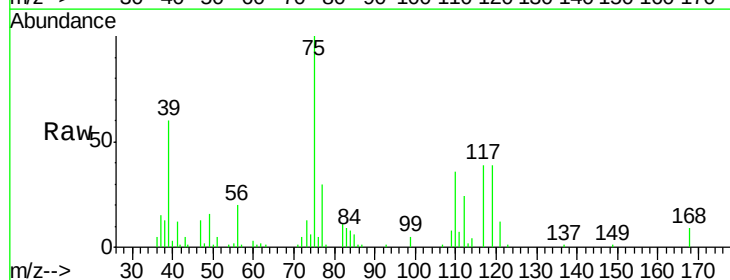
Tgt Ion: 75 Resp: 169964

Ion Ratio Lower Upper

75 100

110 36.1 19.7 59.0

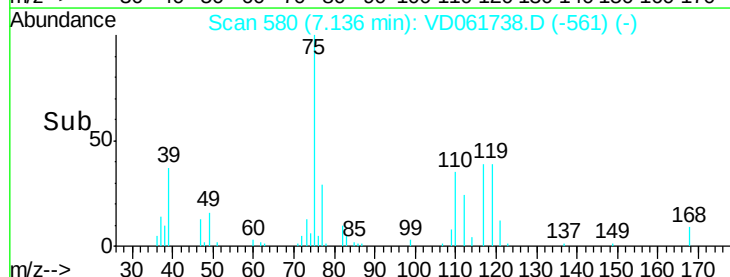
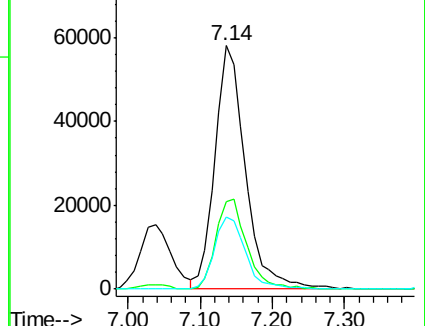
77 29.7 24.8 37.2

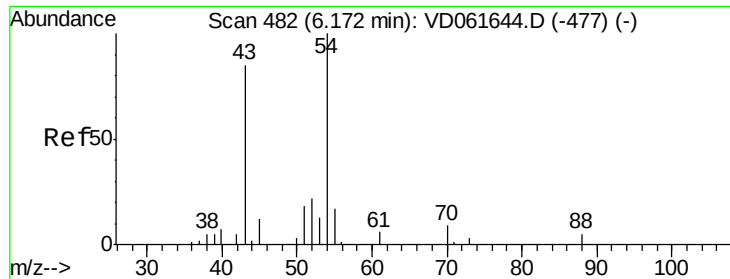


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

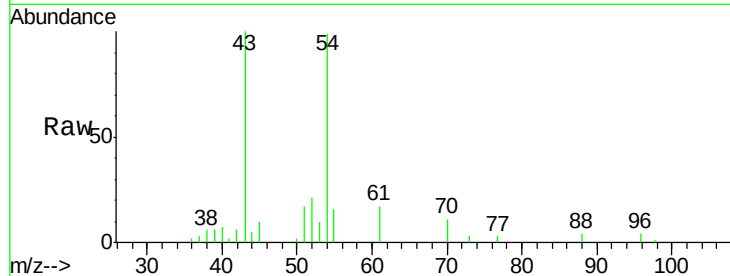




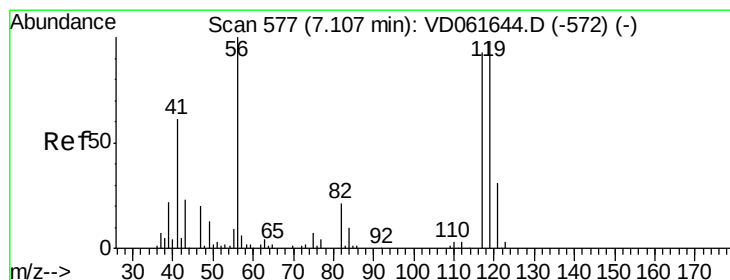
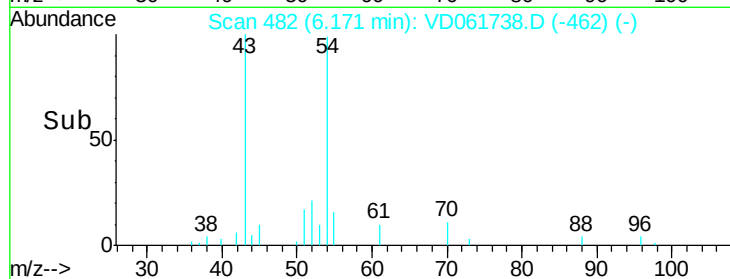
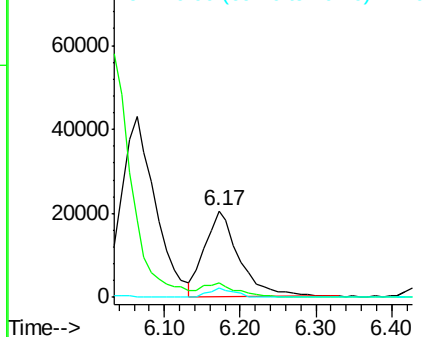
#37
Ethyl Acetate
Concen: 17.854 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

Tot Ion: 43 Resp: 64143
Ion Ratio Lower Upper
43 100
61 17.2 11.9 17.9
70 10.8 6.9 10.3#

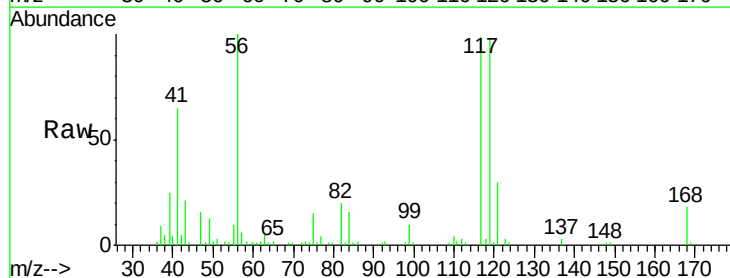


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

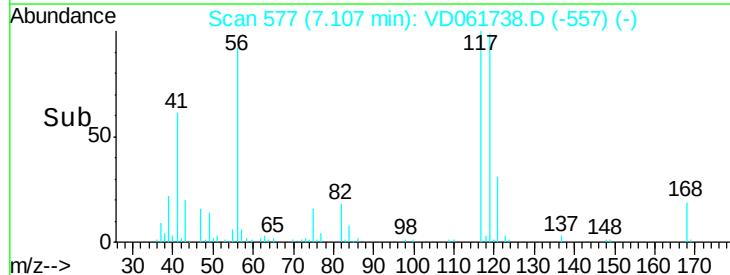
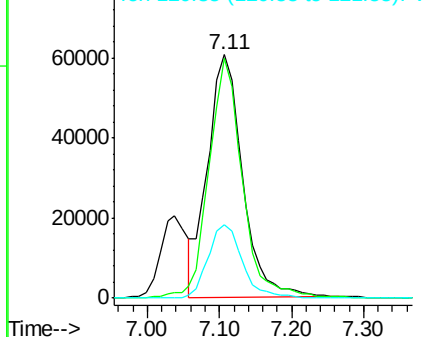


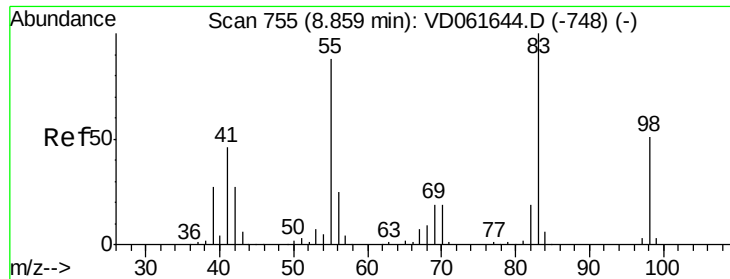
#38
Carbon Tetrachloride
Concen: 19.696 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.00 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Tgt Ion: 117 Resp: 203601
Ion Ratio Lower Upper
117 100
119 98.4 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

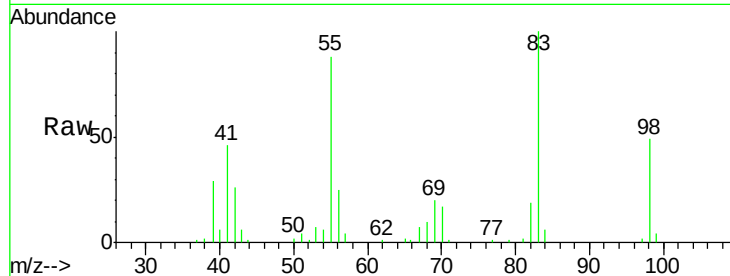




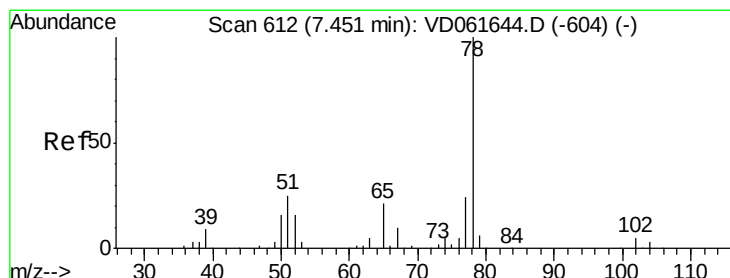
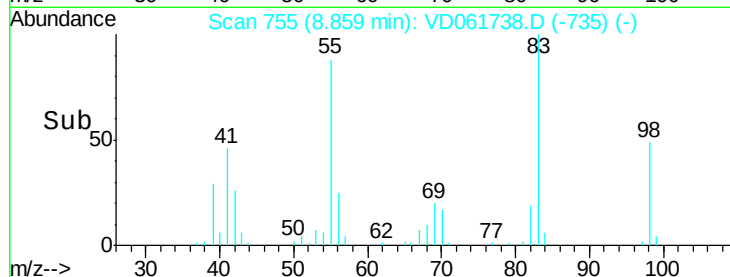
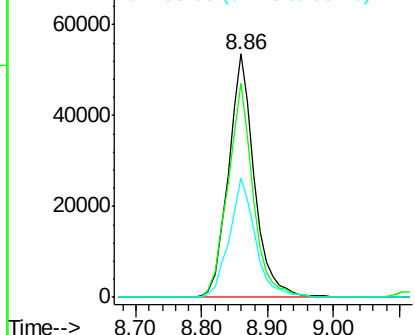
#39
Methylvlcyclohexane
Concen: 16.261 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

Tot Ion: 83 Resp: 147247
Ion Ratio Lower Upper
83 100
55 88.0 70.3 105.5
98 49.0 41.0 61.6

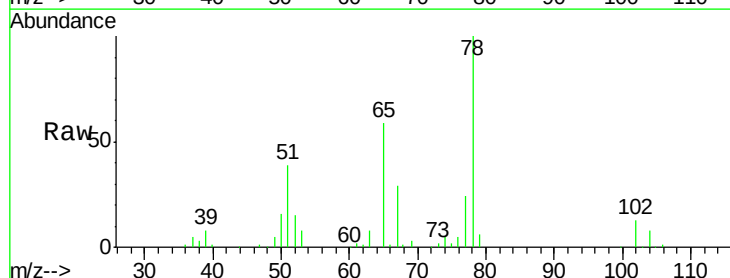


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

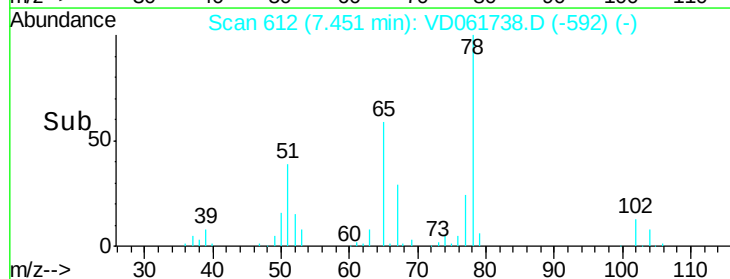
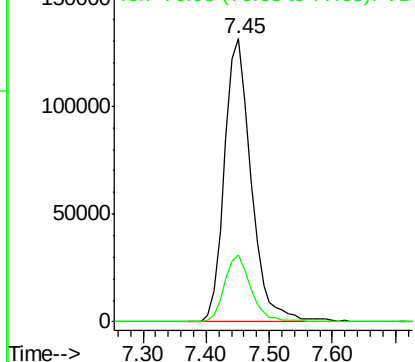


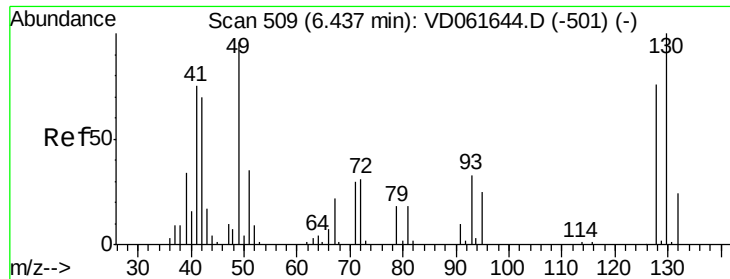
#40
Benzene
Concen: 18.228 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Tgt Ion: 78 Resp: 387868
Ion Ratio Lower Upper
78 100
77 23.8 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

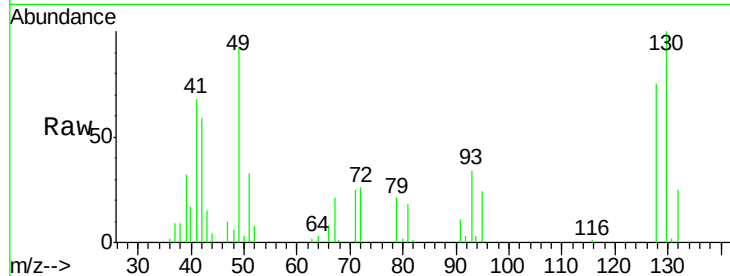




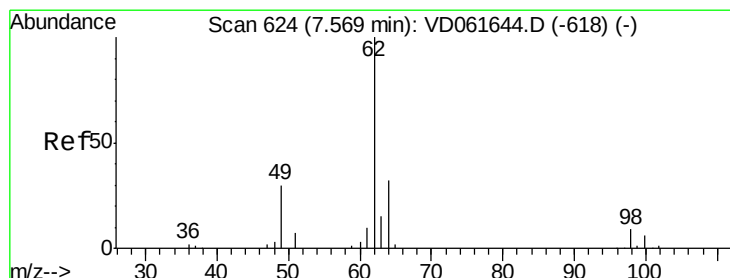
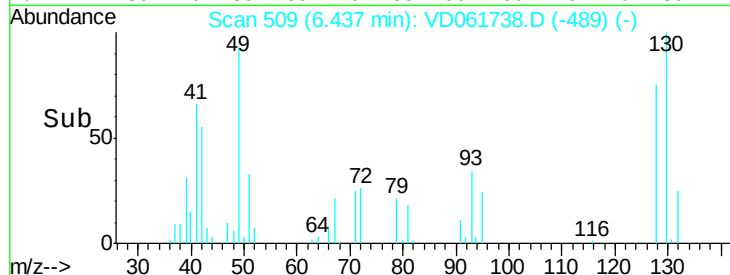
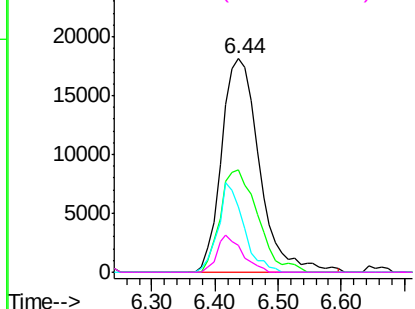
#41
Methacrylonitrile
Concen: 18.061 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

Tot Ion:	41	Resp:	75745
Ion	Ratio	Lower	Upper
41	100		
39	47.9	36.2	54.2
67	30.4	23.2	34.8
52	12.5	10.0	15.0

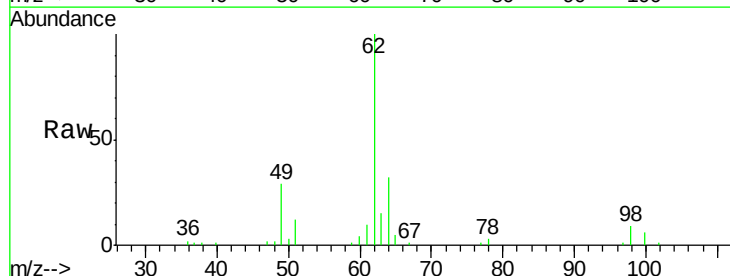


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

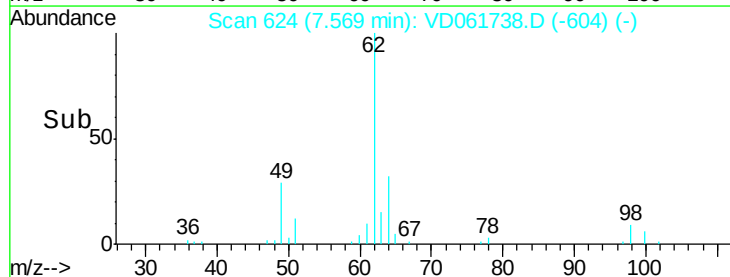
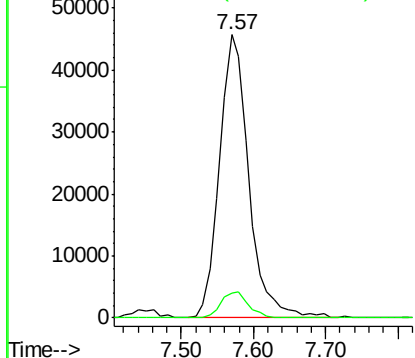


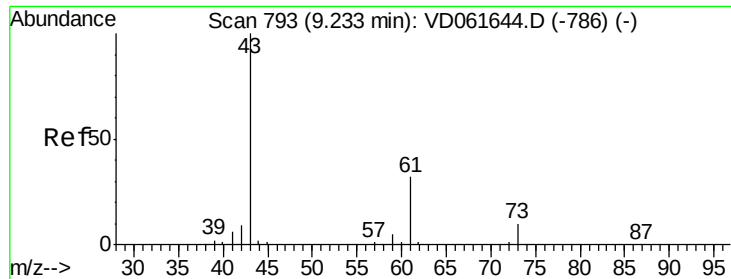
#42
1,2-Dichloroethane
Concen: 19.179 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Tgt Ion:	62	Resp:	128345
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 17.287 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

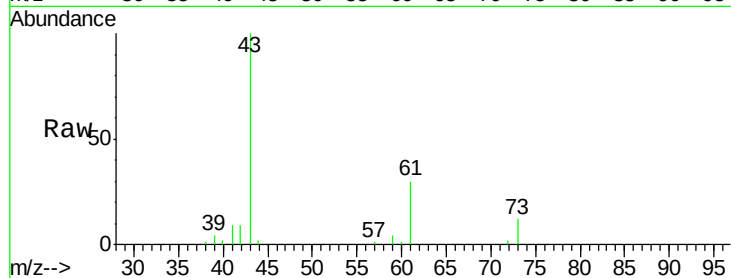
Tot Ion: 43 Resp: 90137

Ion Ratio Lower Upper

43 100

61 30.5 25.9 38.9

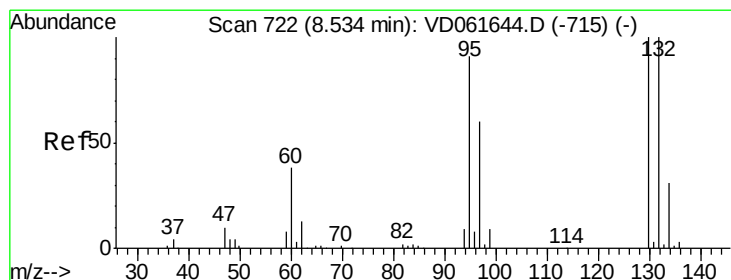
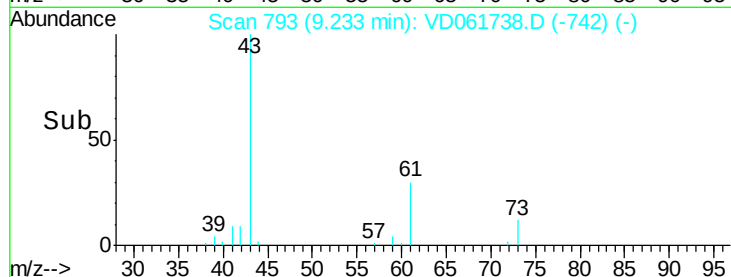
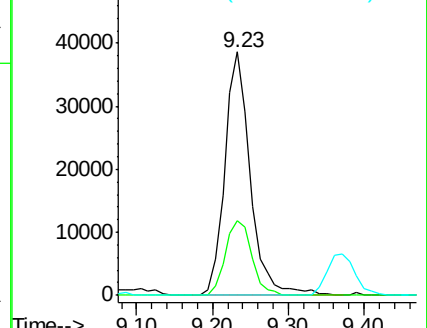
87 0.0 0.2 0.4#



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: 18.078 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD061738.D

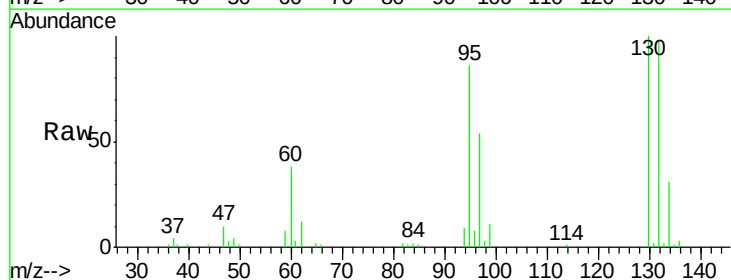
Acq: 11 Apr 2019 13:57

Tgt Ion:130 Resp: 147476

Ion Ratio Lower Upper

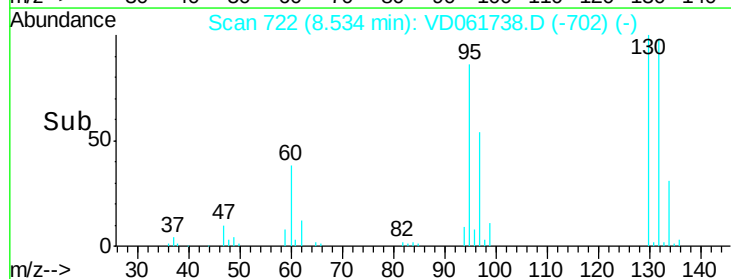
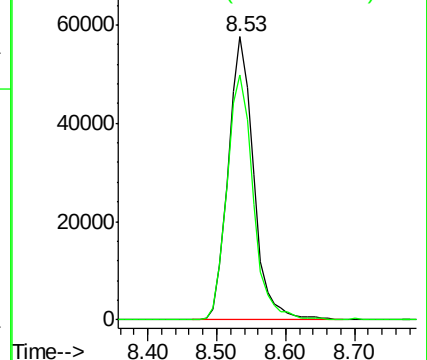
130 100

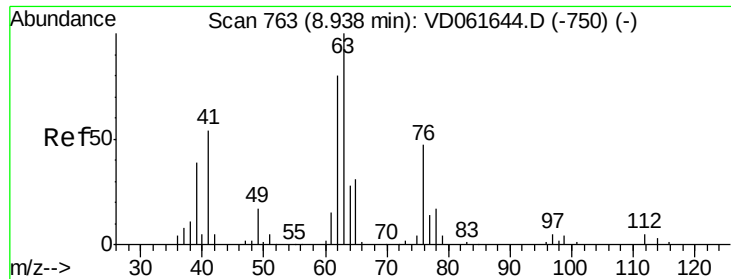
95 86.5 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

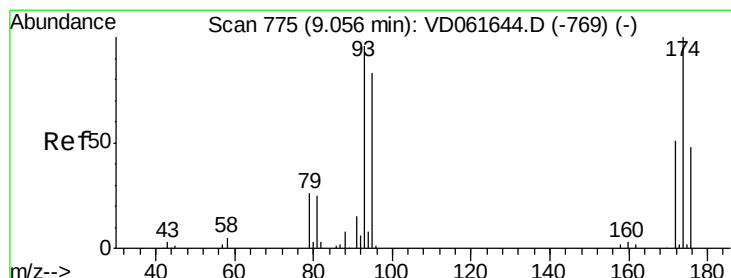
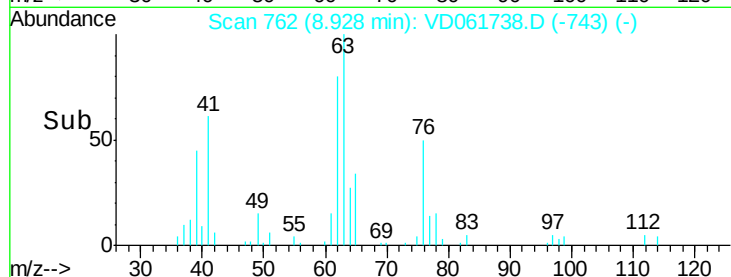
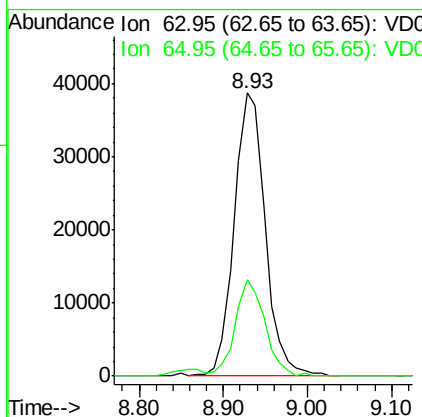
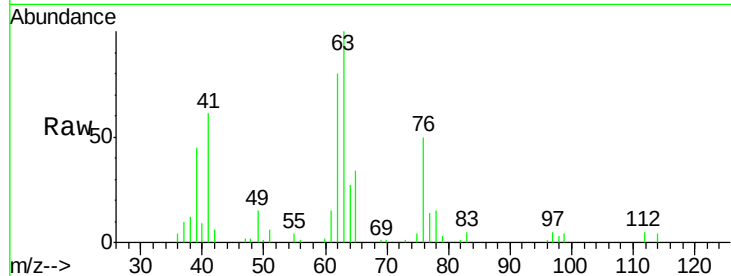




#45
 1,2-Dichloropropane
 Concen: 18.868 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

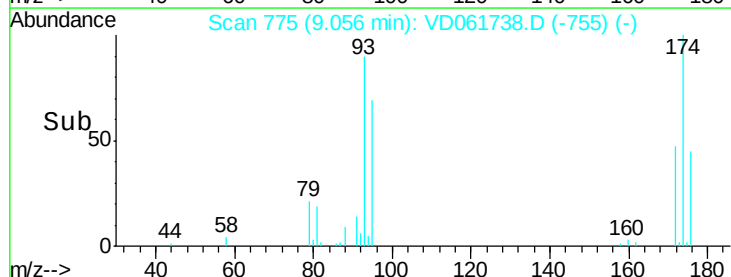
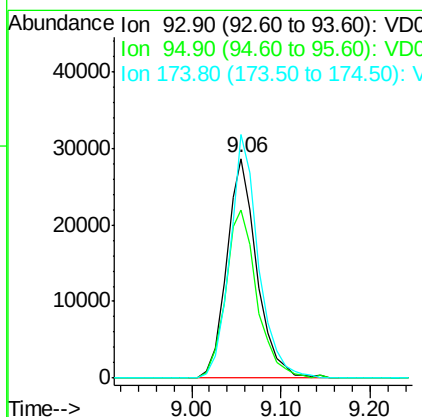
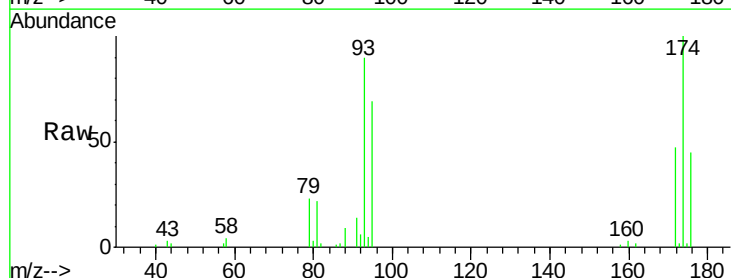
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

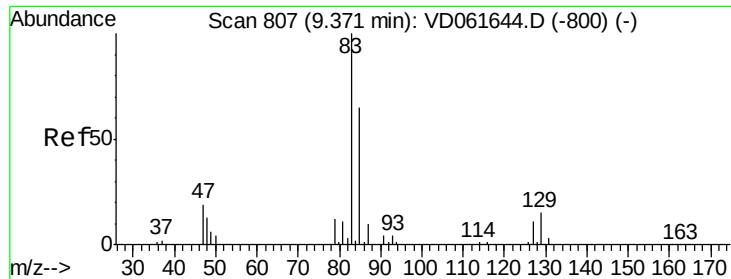
Tot Ion: 63 Resp: 99569
 Ion Ratio Lower Upper
 63 100
 65 33.9 24.5 36.7



#46
 Dibromomethane
 Concen: 17.971 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Tgt Ion: 93 Resp: 67779
 Ion Ratio Lower Upper
 93 100
 95 76.4 68.6 103.0
 174 110.8 83.0 124.4





#47

Bromodichloromethane

Concen: 19.033 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

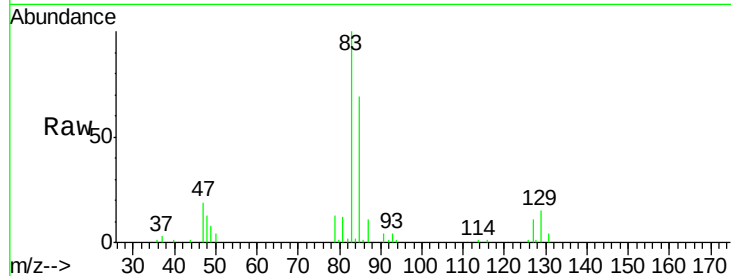
Tot Ion: 83 Resp: 157655

Ion Ratio Lower Upper

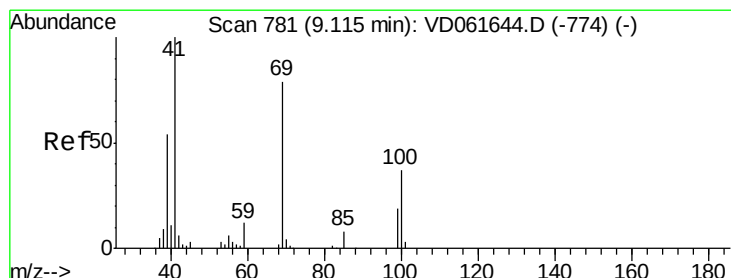
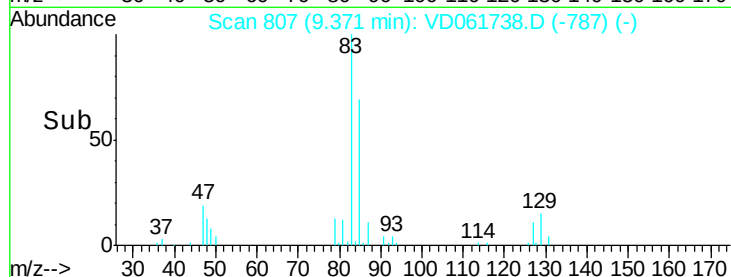
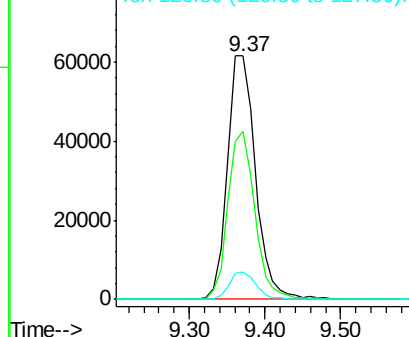
83 100

85 69.3 51.8 77.6

127 11.0 9.0 13.6



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



#48

Methyl methacrylate

Concen: 17.116 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

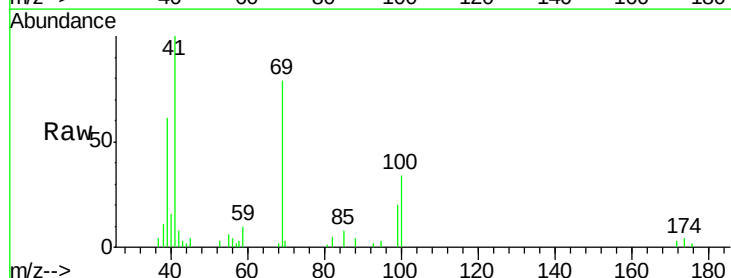
Tgt Ion: 41 Resp: 51441

Ion Ratio Lower Upper

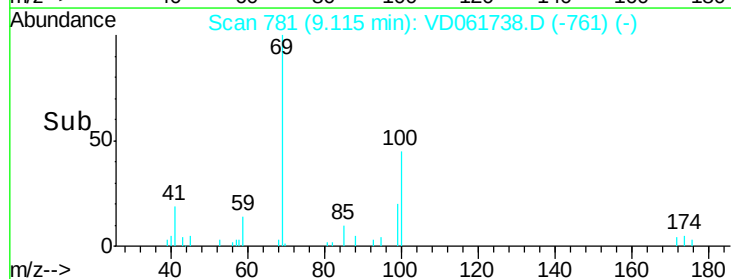
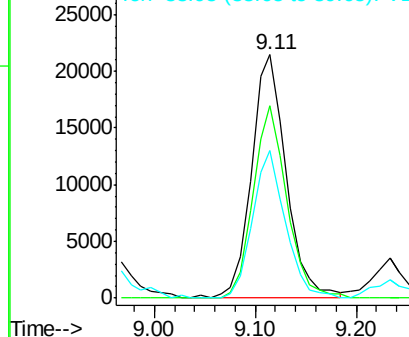
41 100

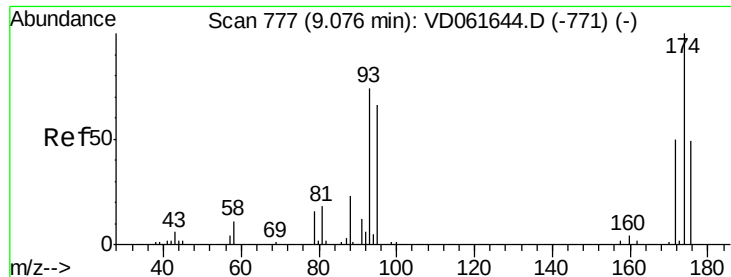
69 79.1 63.1 94.7

39 60.9 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

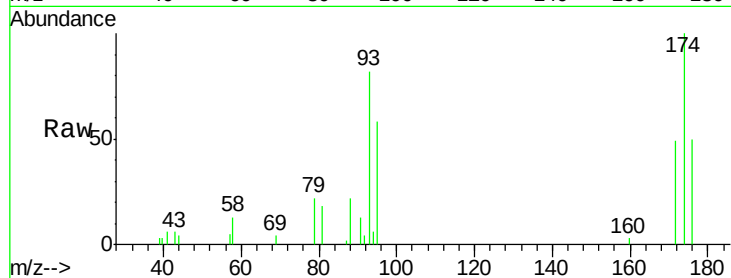




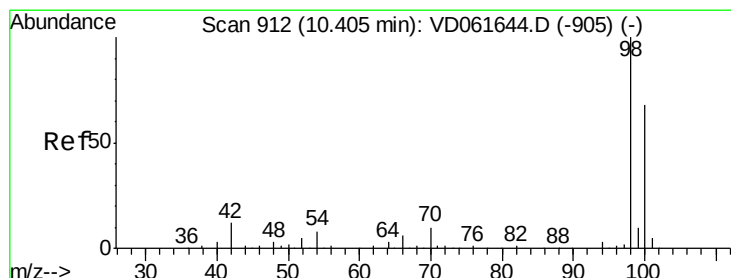
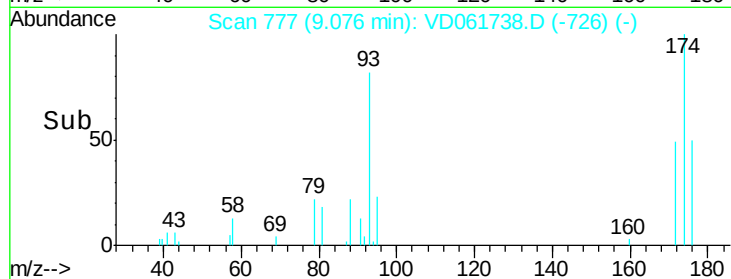
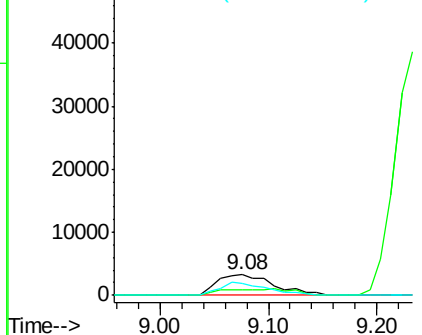
#49
 1,4-Dioxane
 Concen: 353.704 ug/l
 RT: 9.08 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

Tot Ion: 88 Resp: 11734
 Ion Ratio Lower Upper
 88 100
 43 27.3 21.8 32.8
 58 57.4 40.2 60.2

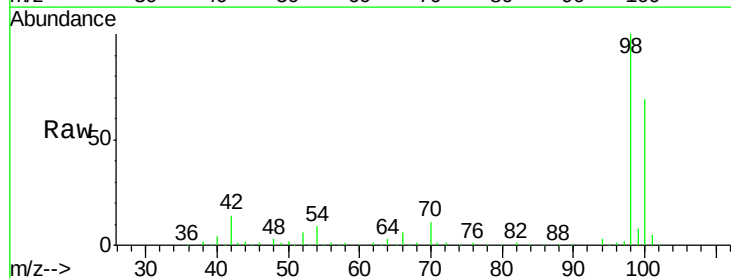


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

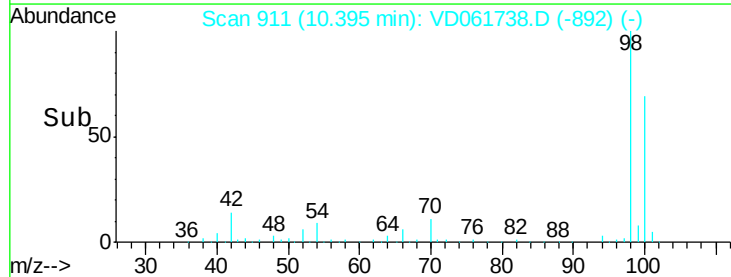
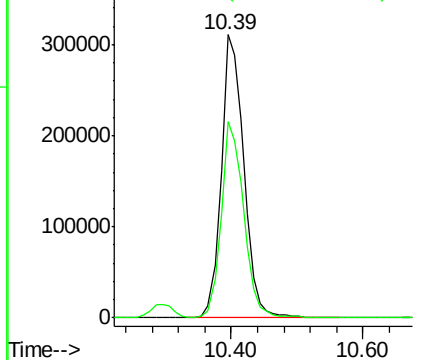


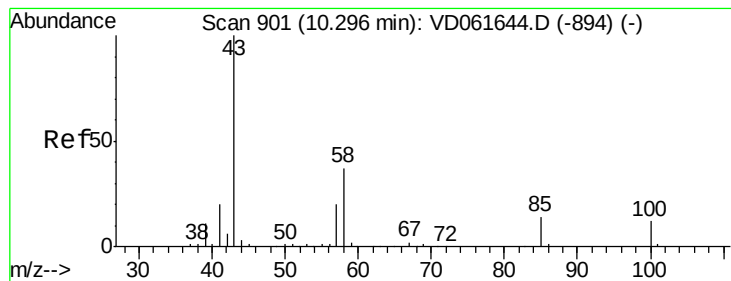
#50
 Toluene-d8
 Concen: 353.704 ug/l
 RT: 10.39 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Tgt Ion: 98 Resp: 742079
 Ion Ratio Lower Upper
 98 100
 100 69.5 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: 94.436 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

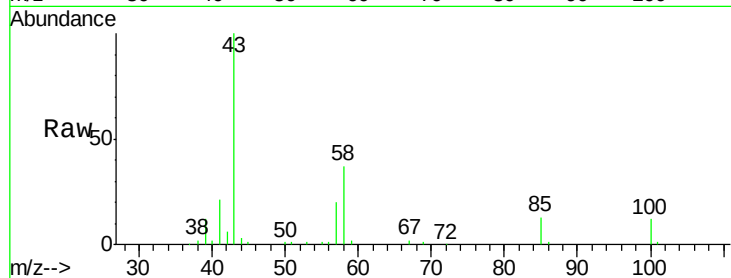
VD0411SBSD01

Tot Ion: 43 Resp: 291196

Ion Ratio Lower Upper

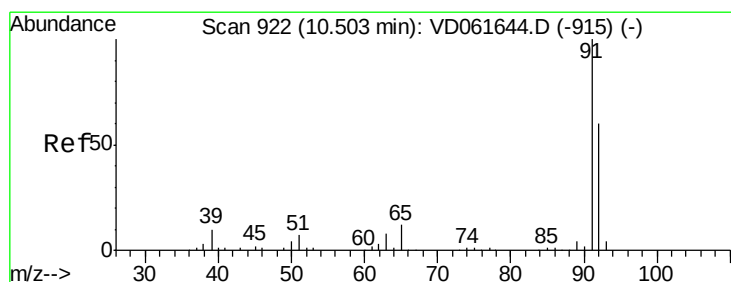
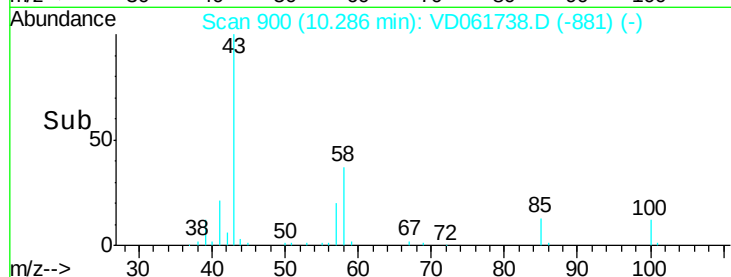
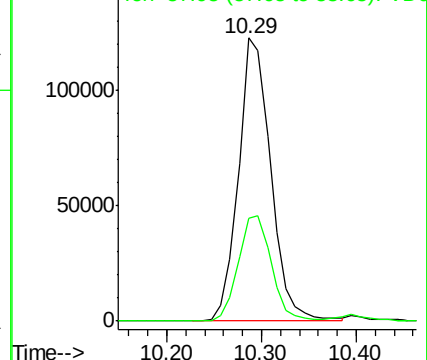
43 100

58 36.5 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: 18.101 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD061738.D

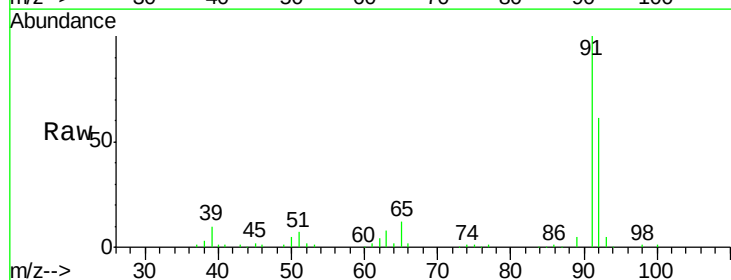
Acq: 11 Apr 2019 13:57

Tgt Ion: 92 Resp: 240514

Ion Ratio Lower Upper

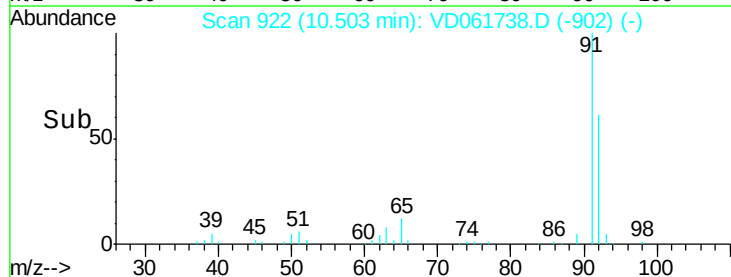
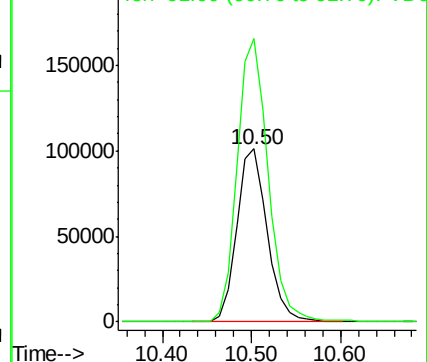
92 100

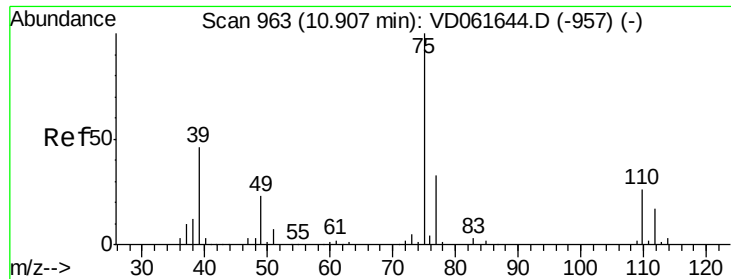
91 163.5 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

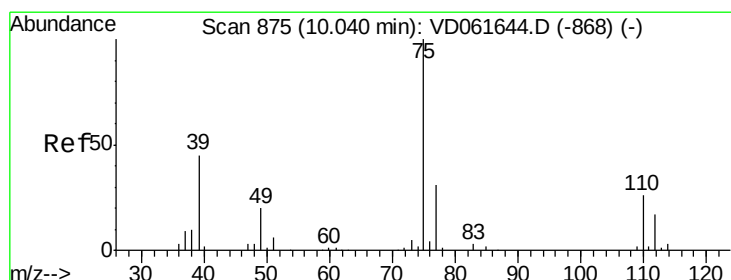
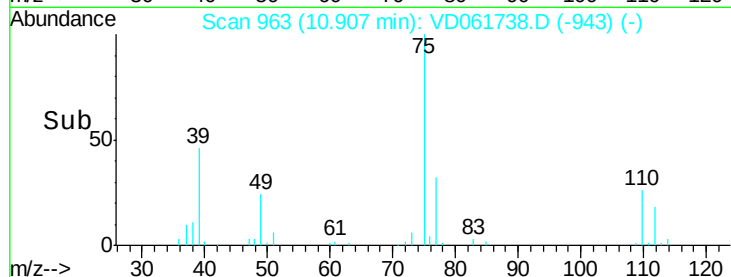
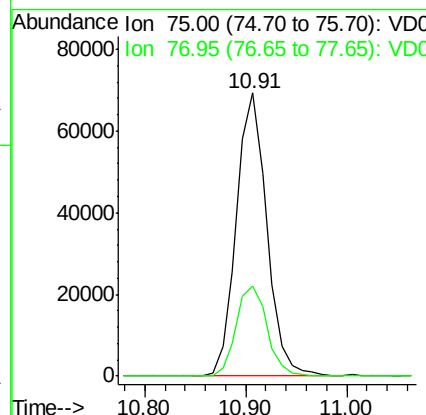
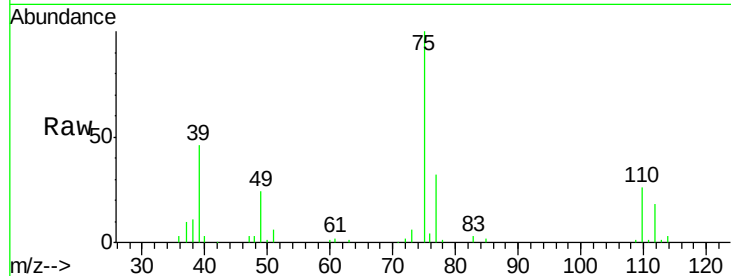




#53
 t-1,3-Dichloropropene
 Concen: 20.020 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

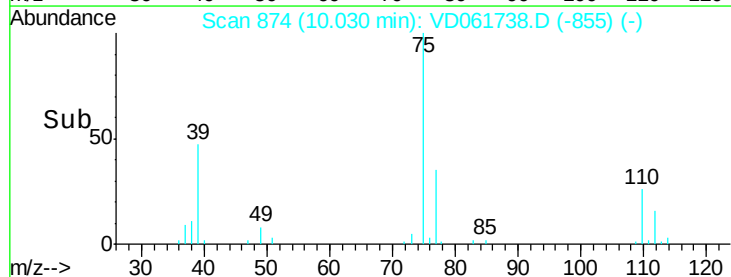
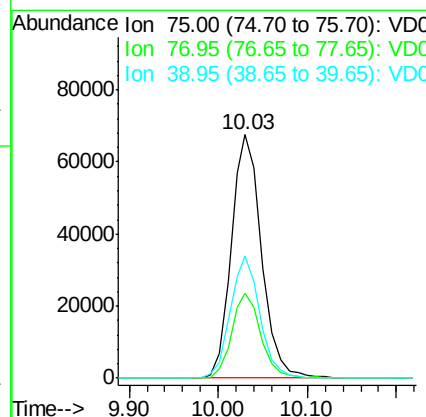
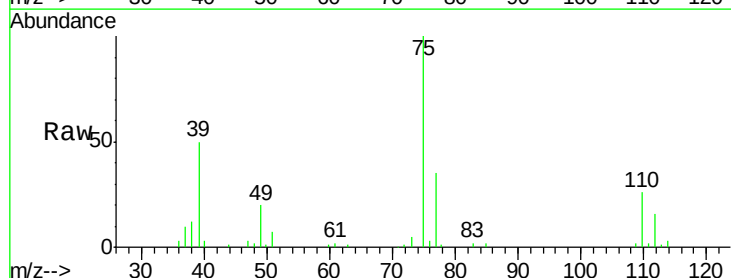
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

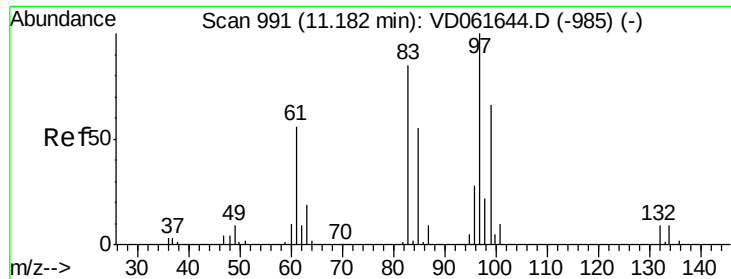
Tot Ion: 75 Resp: 145366
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 17.844 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Tgt Ion: 75 Resp: 159721
 Ion Ratio Lower Upper
 75 100
 77 34.8 24.6 37.0
 39 50.3 36.2 54.2

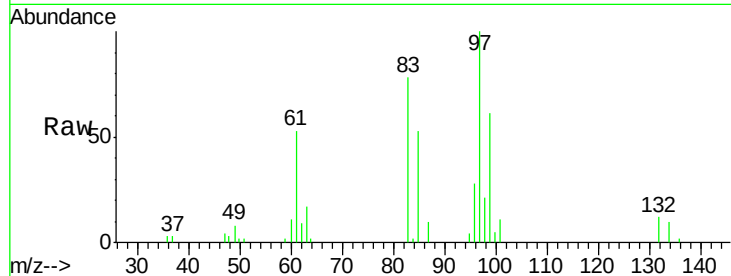




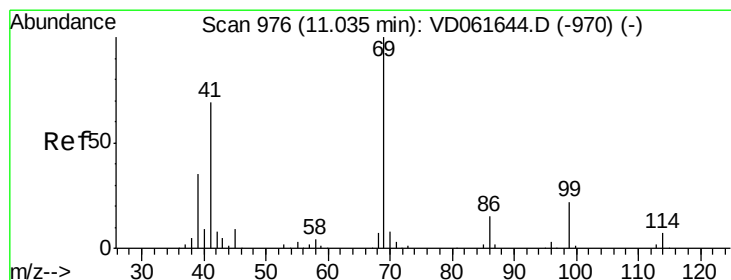
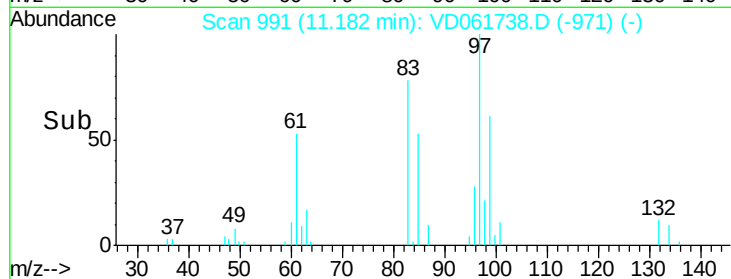
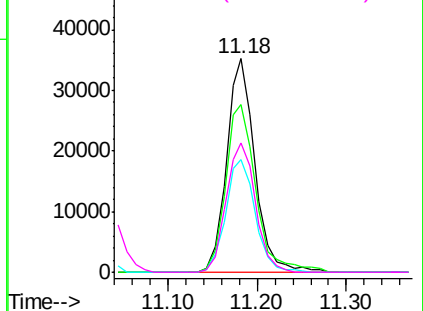
#55
 1,1,2-Trichloroethane
 Concen: 17.455 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

Tot Ion:	97	Resp:	78223
Ion	Ratio	Lower	Upper
97	100		
83	78.3	67.8	101.6
85	52.6	43.8	65.8
99	60.7	52.8	79.2

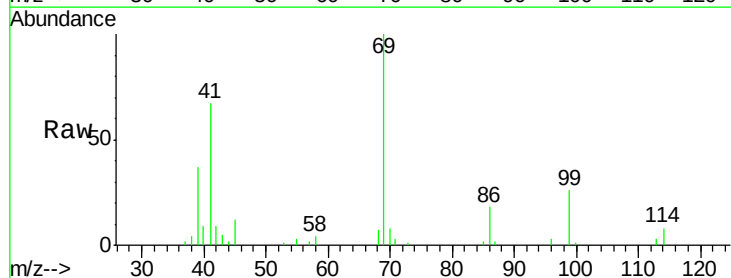


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

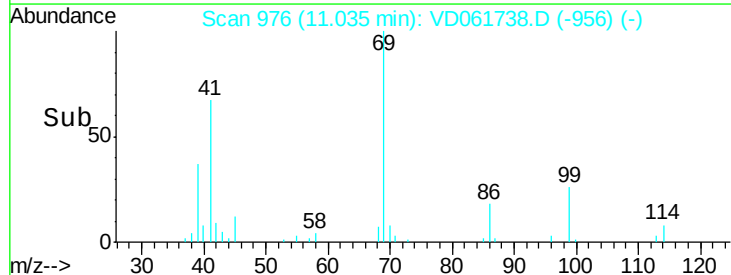
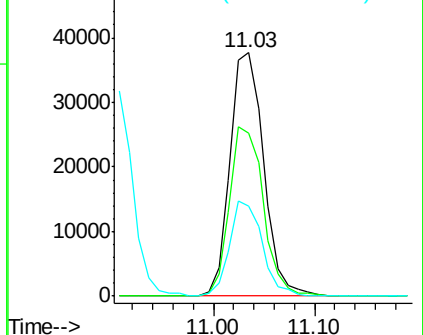


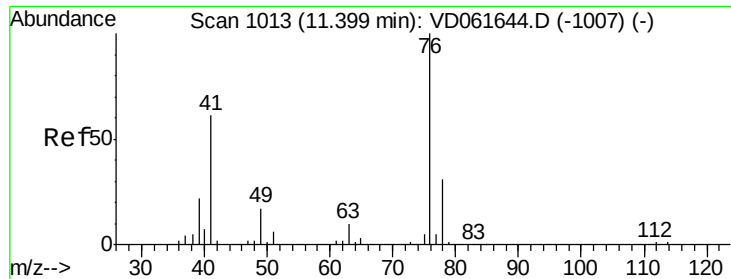
#56
 Ethyl methacrylate
 Concen: 18.487 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Tgt Ion:	69	Resp:	87399
Ion	Ratio	Lower	Upper
69	100		
41	67.0	55.2	82.8
39	37.1	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

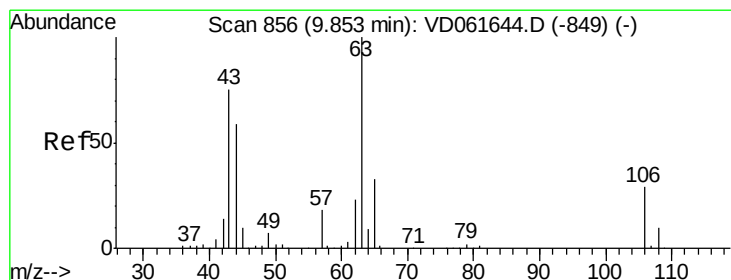
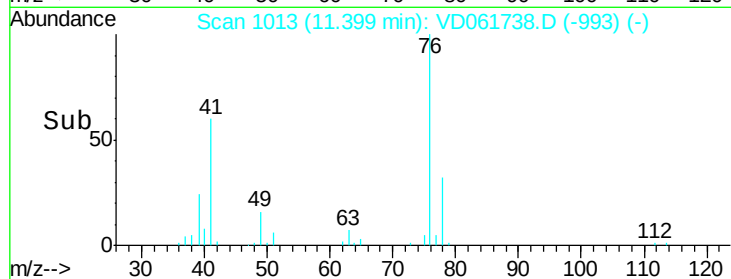
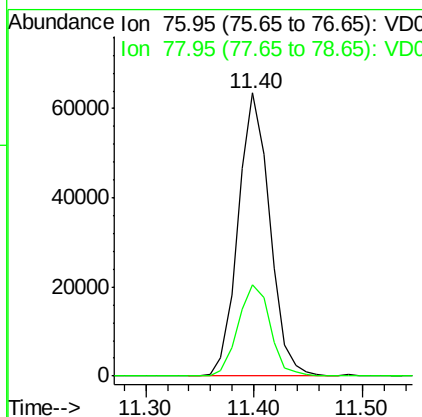
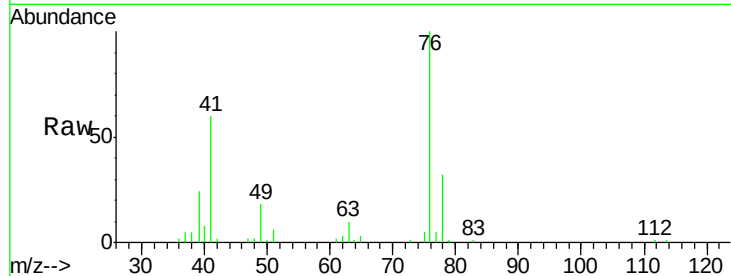




#57
 1,3-Dichloropropane
 Concen: 19.614 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

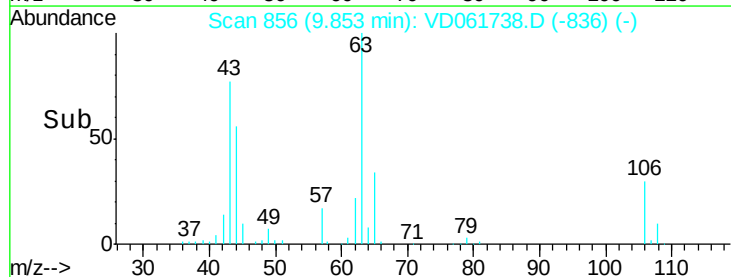
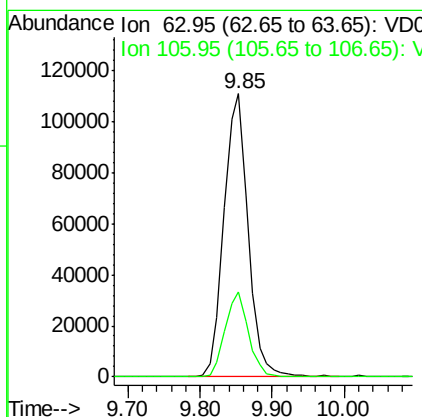
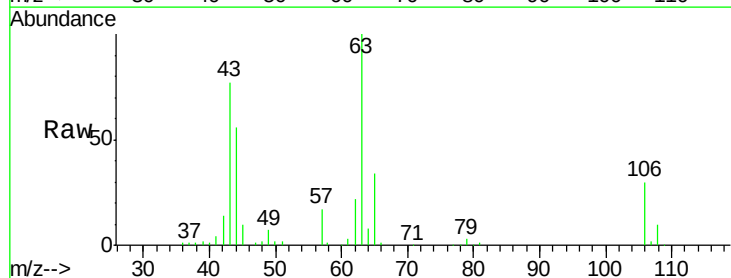
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

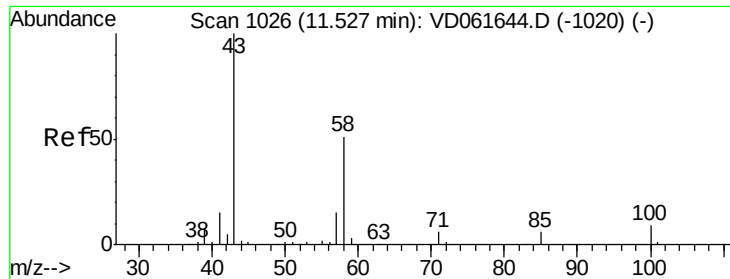
Tot Ion: 76 Resp: 128728
 Ion Ratio Lower Upper
 76 100
 78 32.4 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.400 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Tgt Ion: 63 Resp: 257424
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.0 34.6

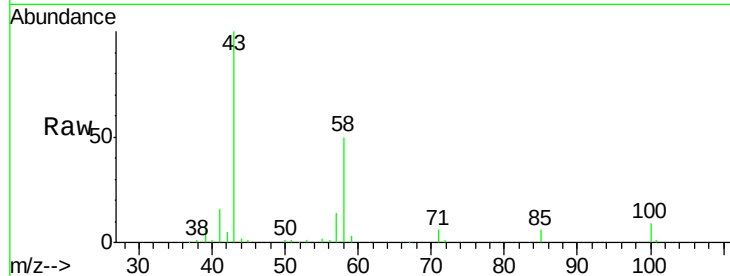




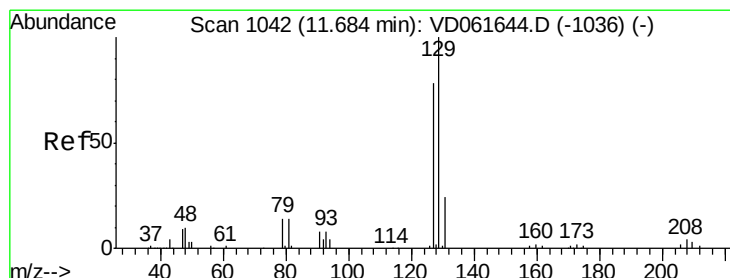
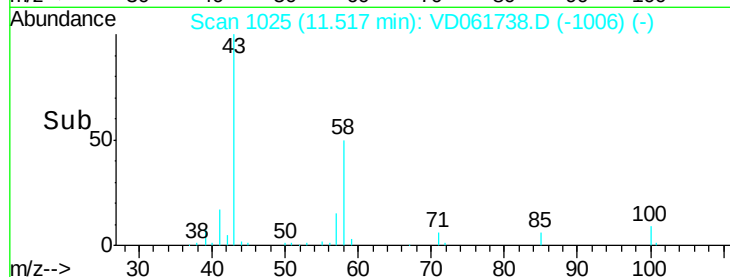
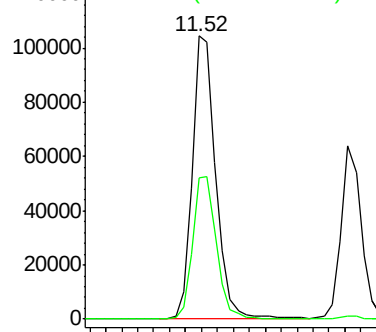
#59
2-Hexanone
Concen: 90.582 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

Tot Ion: 43 Resp: 216768
Ion Ratio Lower Upper
43 100
58 49.9 25.6 76.8

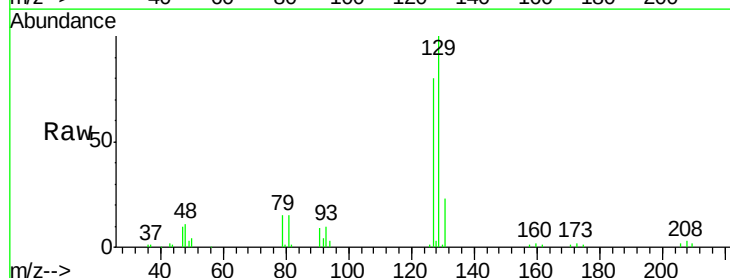


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

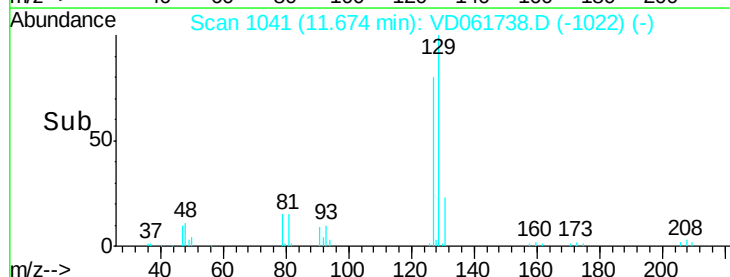
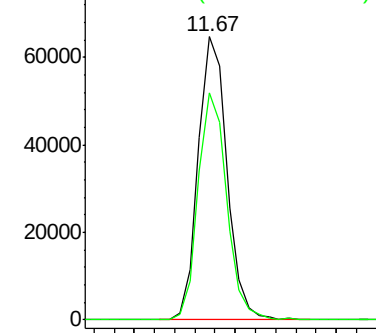


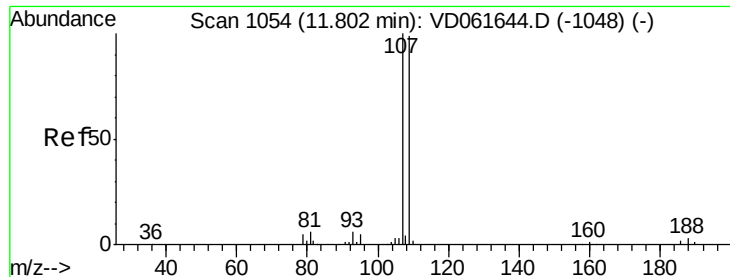
#60
Dibromochloromethane
Concen: 18.095 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Tgt Ion: 129 Resp: 128119
Ion Ratio Lower Upper
129 100
127 80.1 38.8 116.4



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

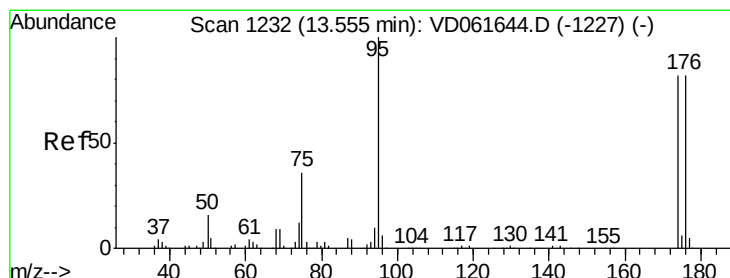
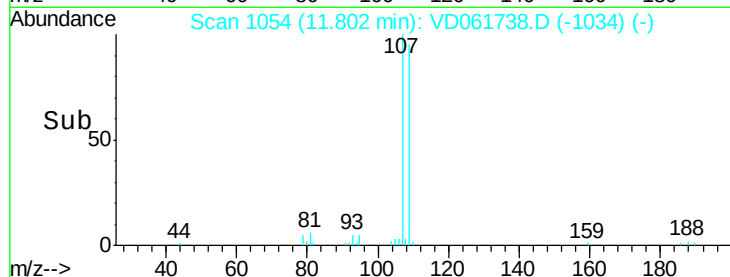
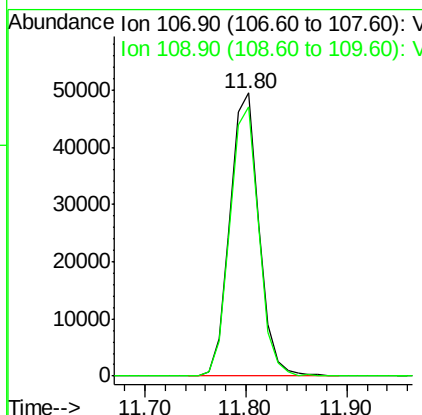
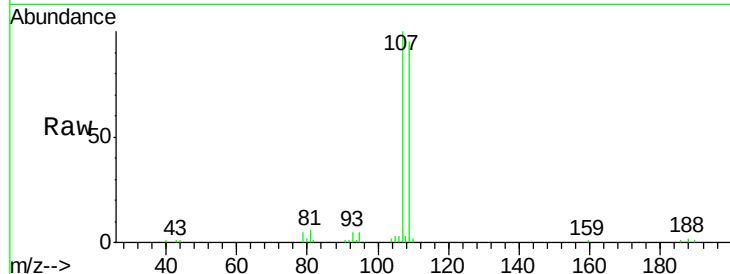




#61
 1,2-Dibromoethane
 Concen: 18.792 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

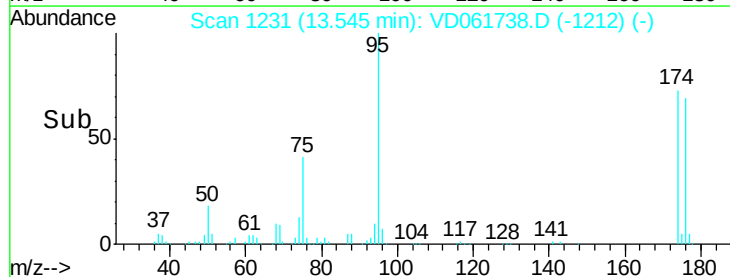
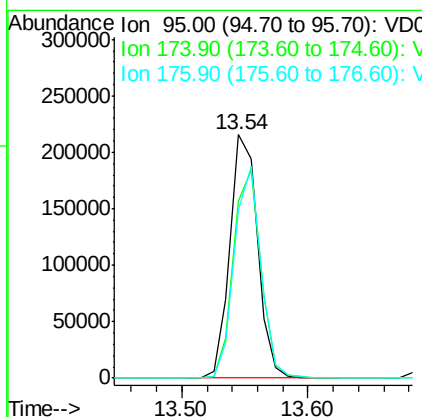
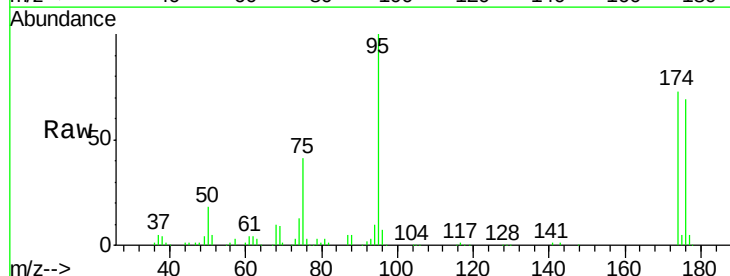
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

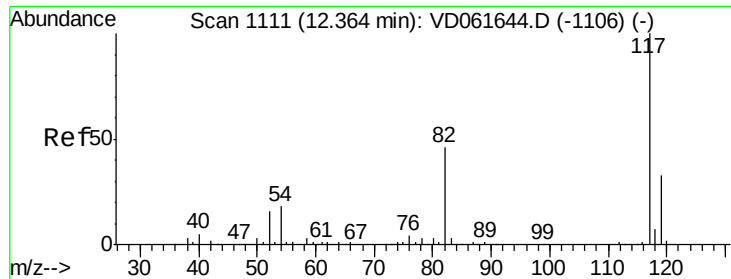
Tot Ion:107 Resp: 98487
 Ion Ratio Lower Upper
 107 100
 109 95.3 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 18.792 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Tgt Ion: 95 Resp: 325221
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 164.6
 176 69.0 0.0 165.0

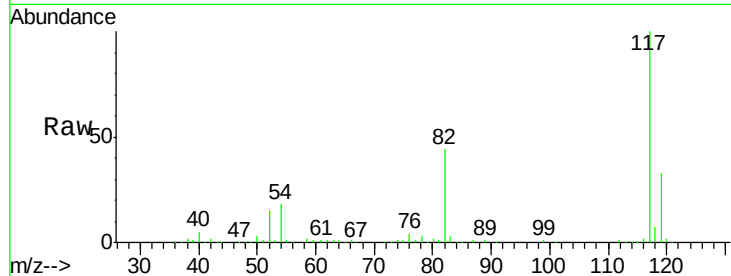




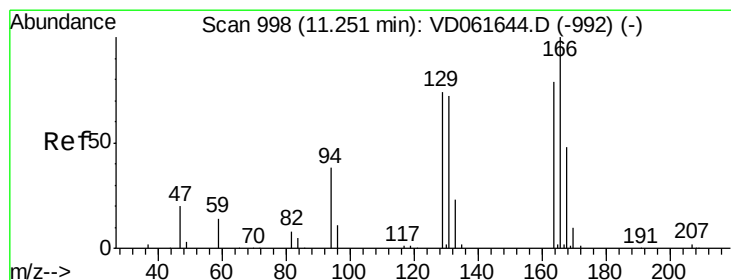
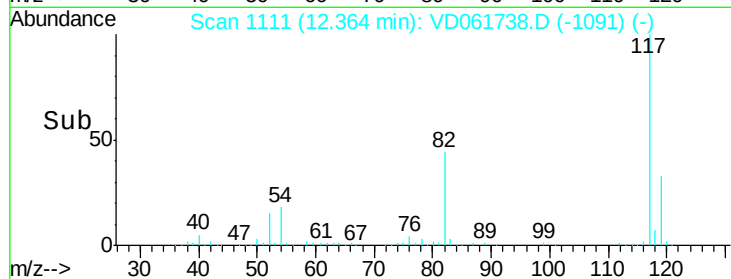
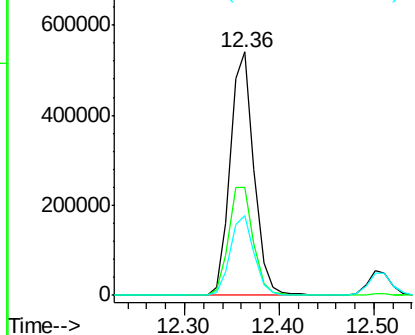
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

Tot Ion:117 Resp: 940384
Ion Ratio Lower Upper
117 100
82 44.1 36.8 55.2
119 32.5 26.1 39.1

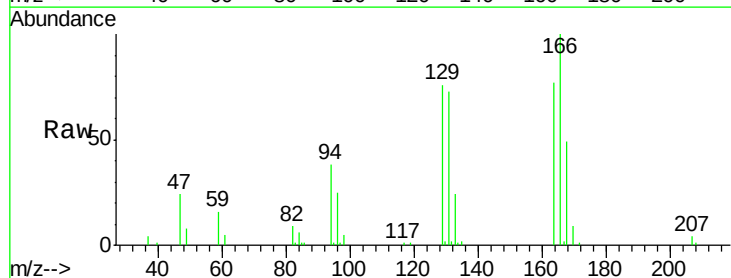


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

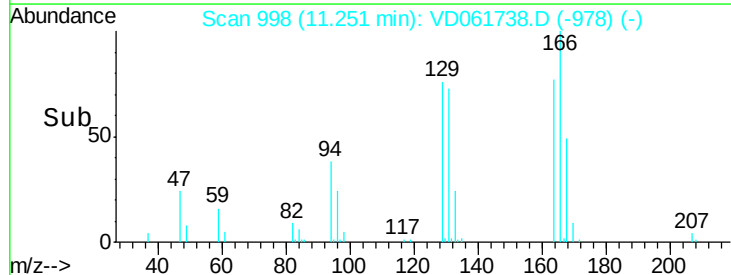
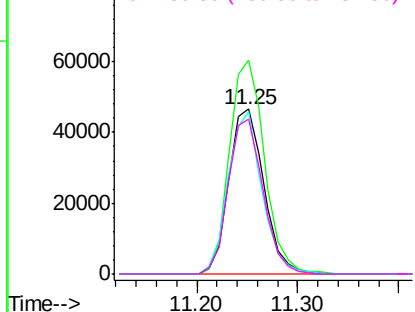


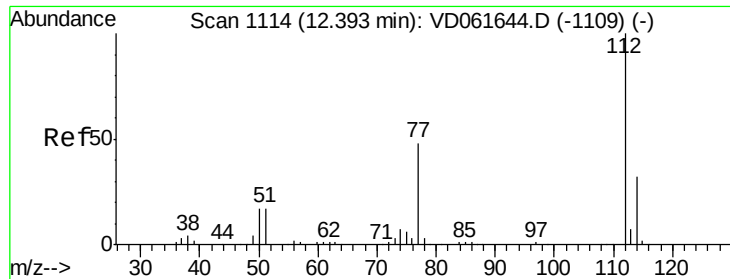
#64
Tetrachloroethene
Concen: 15.377 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Tgt Ion:164 Resp: 112243
Ion Ratio Lower Upper
164 100
166 129.6 101.8 152.8
129 98.4 75.4 113.0
131 94.2 73.6 110.4



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

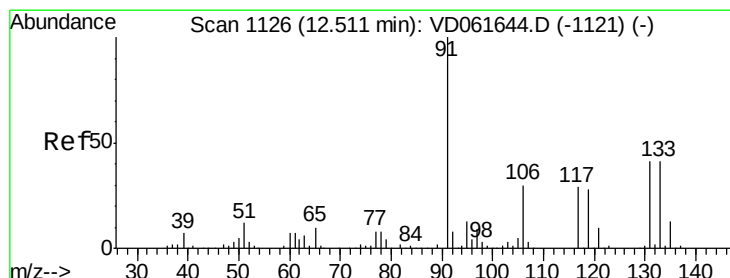
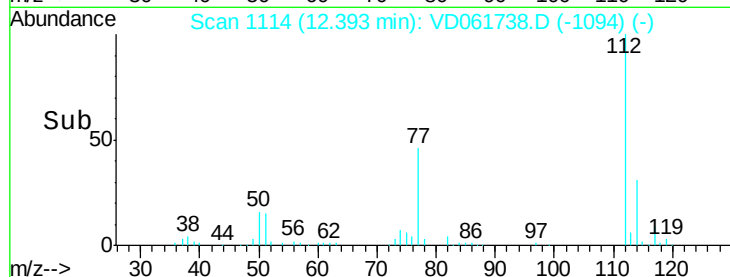
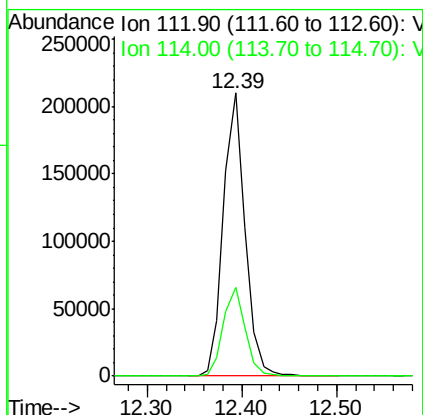
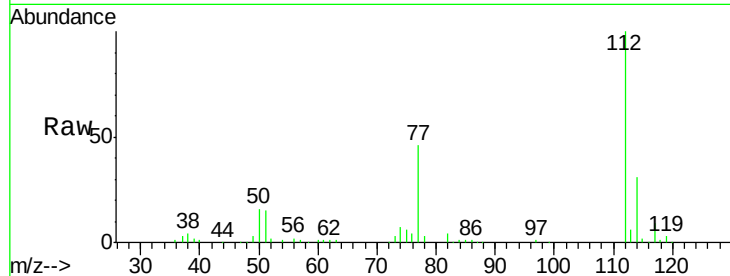




#65
Chlorobenzene
Concen: 17.864 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

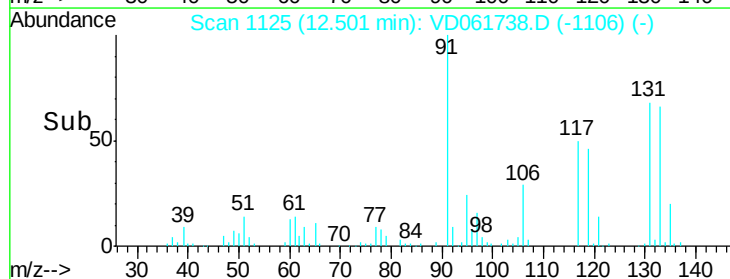
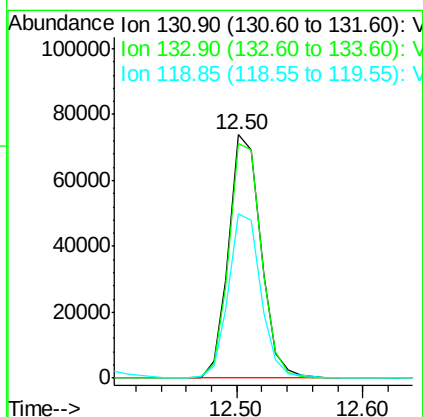
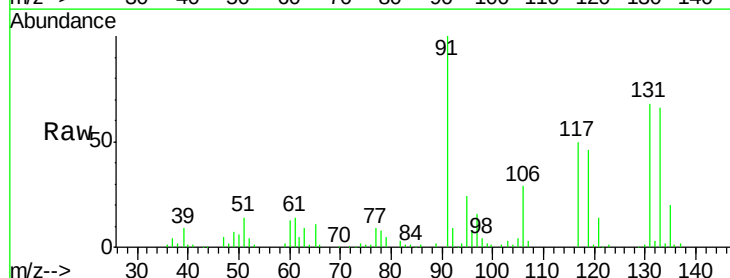
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

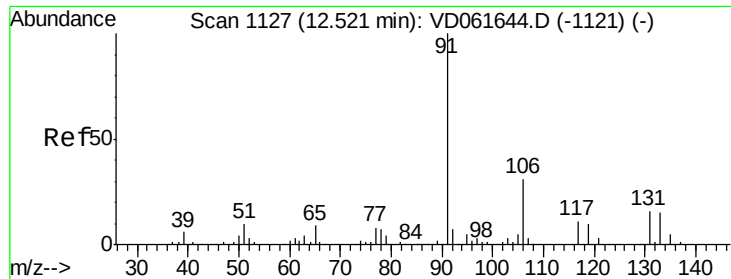
Tot Ion:112 Resp: 333137
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.166 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Tgt Ion:131 Resp: 130361
Ion Ratio Lower Upper
131 100
133 96.4 49.5 148.3
119 67.6 34.7 104.1

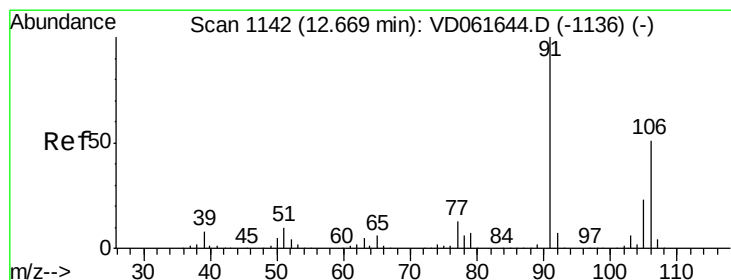
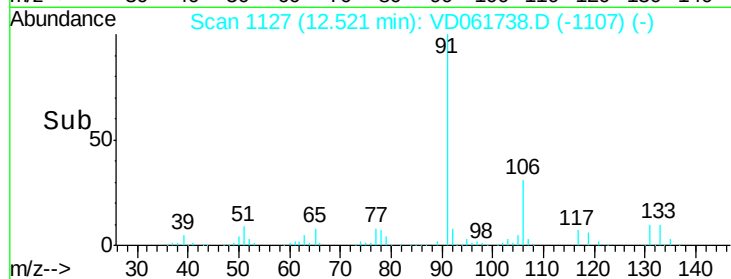
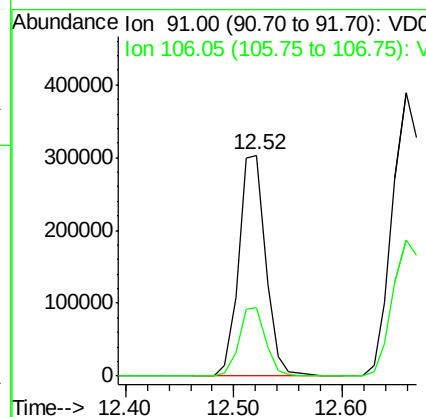
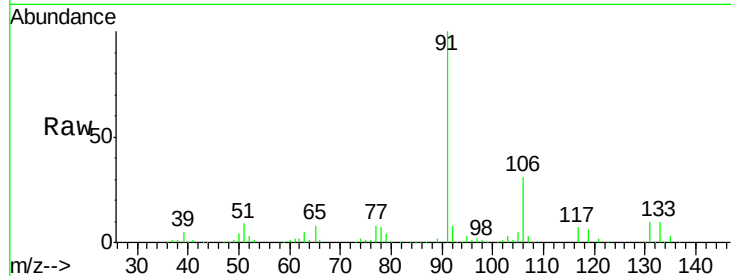




#67
Ethyl Benzene
Concen: 18.532 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

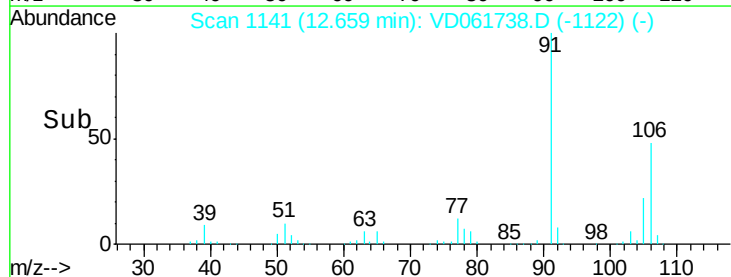
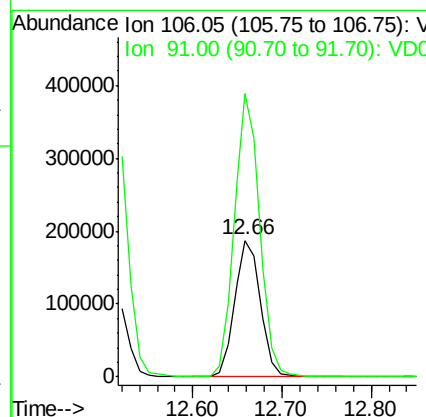
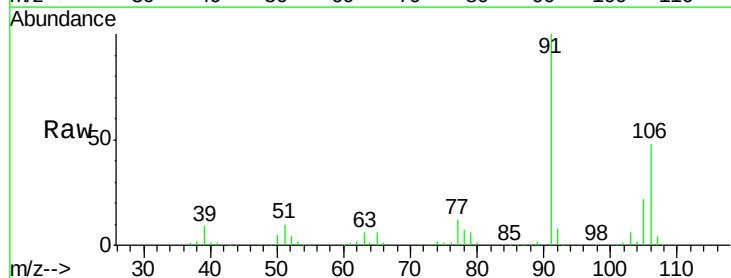
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

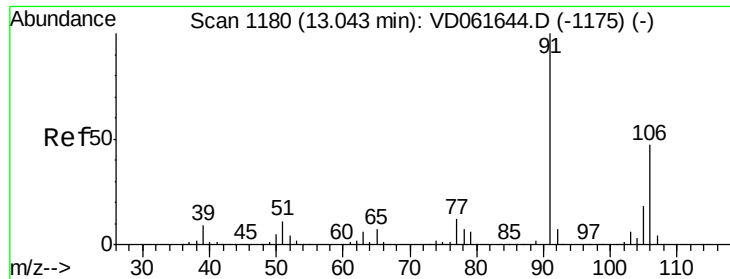
Tot Ion: 91 Resp: 526268
Ion Ratio Lower Upper
91 100
106 30.8 24.6 37.0



#68
m/p-Xylenes
Concen: 34.600 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Tgt Ion: 106 Resp: 378807
Ion Ratio Lower Upper
106 100
91 207.2 156.7 235.1

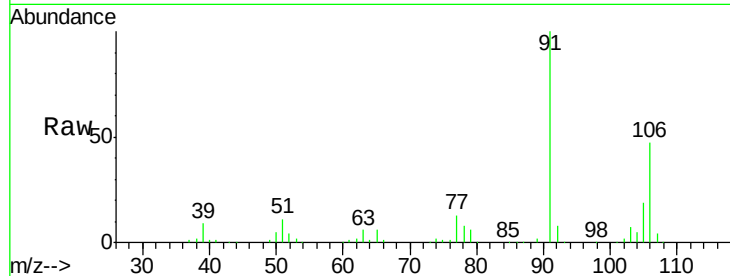




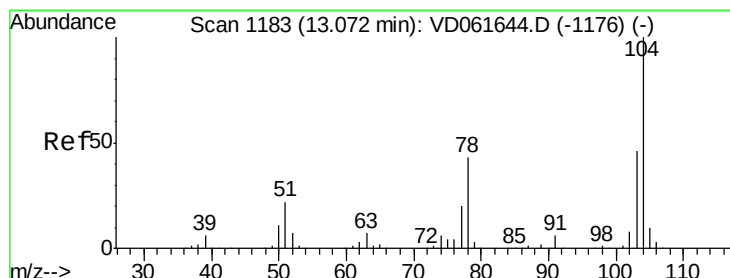
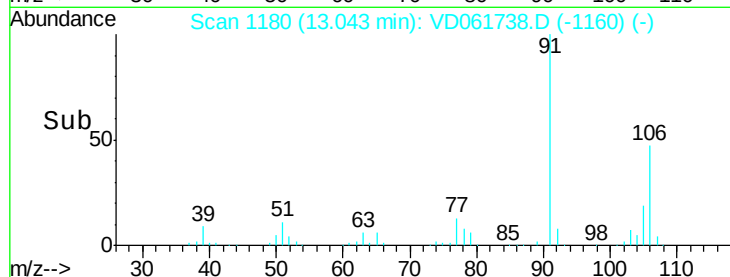
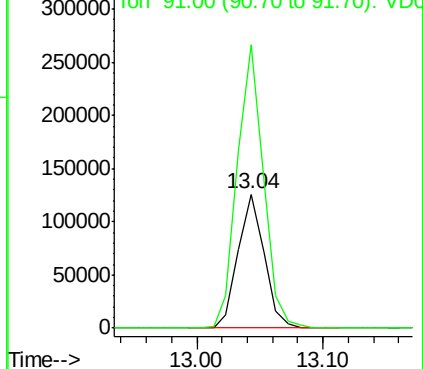
#69
o-Xylene
Concen: 17.040 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS01

Tot Ion:106 Resp: 180084
Ion Ratio Lower Upper
106 100
91 211.6 107.3 321.9

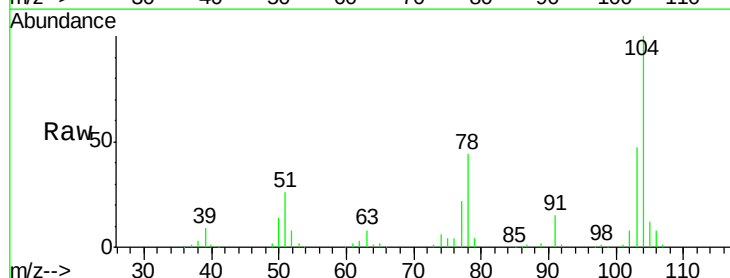


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

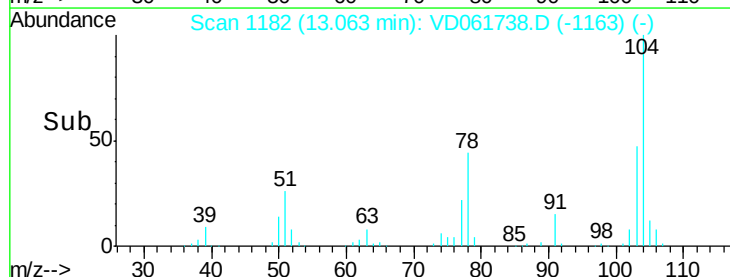
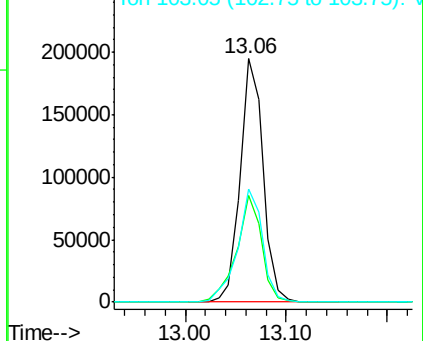


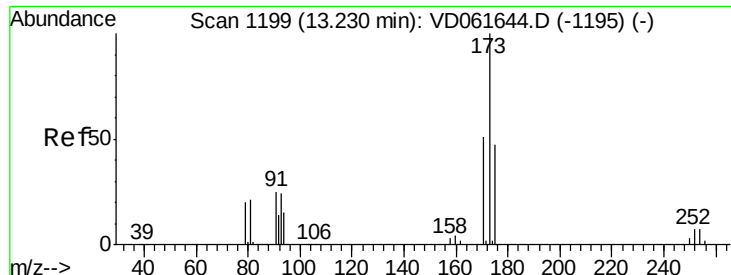
#70
Styrene
Concen: 17.016 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Tgt Ion:104 Resp: 307117
Ion Ratio Lower Upper
104 100
78 43.9 34.2 51.4
103 46.6 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: 15.816 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

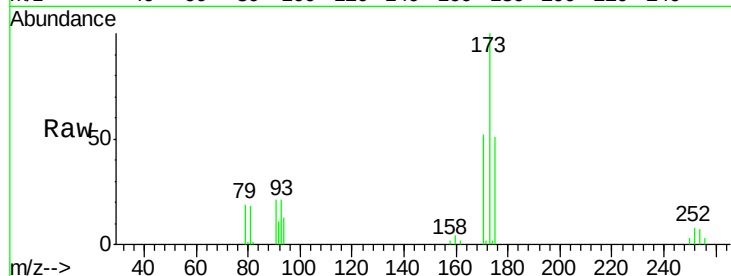
Tot Ion:173 Resp: 70423

Ion Ratio Lower Upper

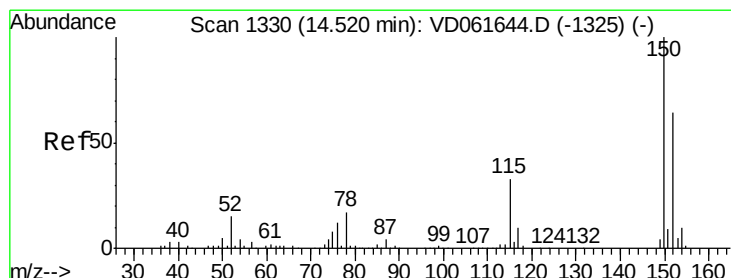
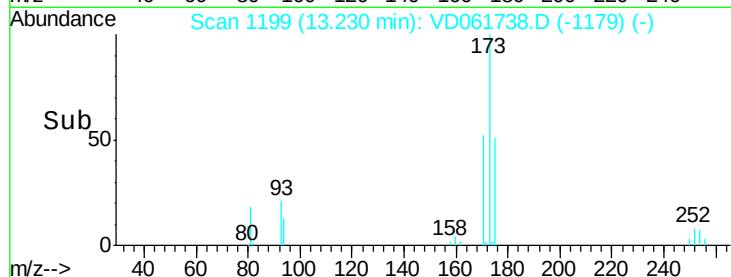
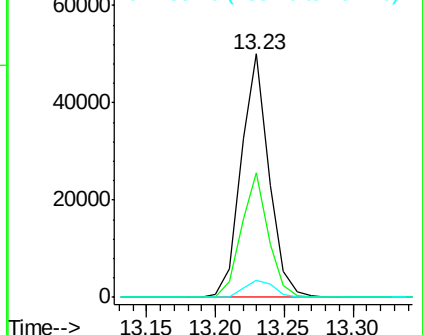
173 100

175 51.0 23.7 71.1

254 7.0 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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

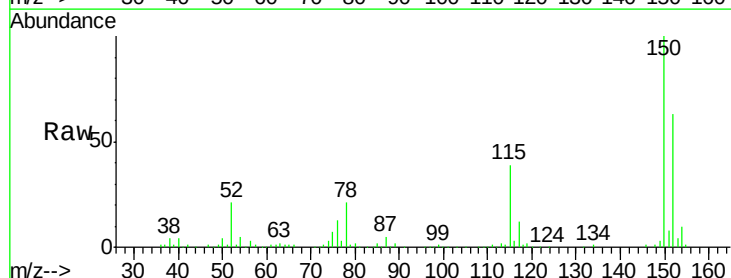
Tgt Ion:152 Resp: 422814

Ion Ratio Lower Upper

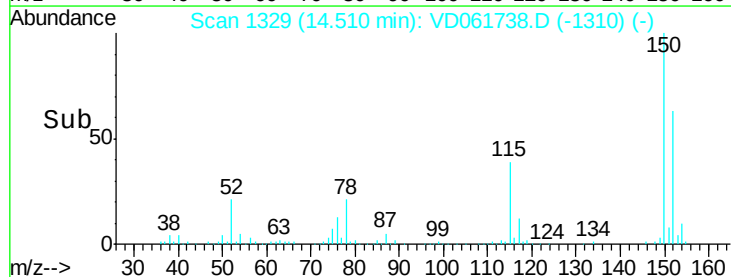
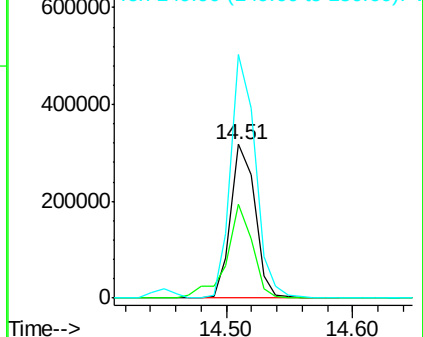
152 100

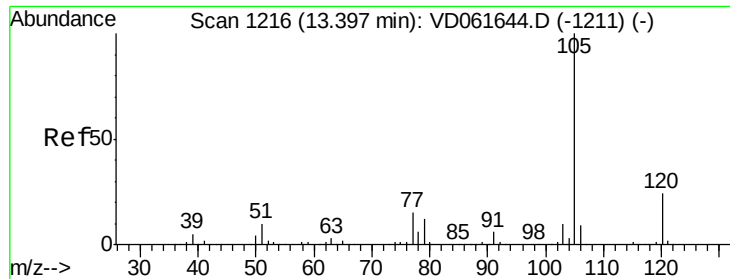
115 61.3 26.4 79.2

150 158.5 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: 15.936 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

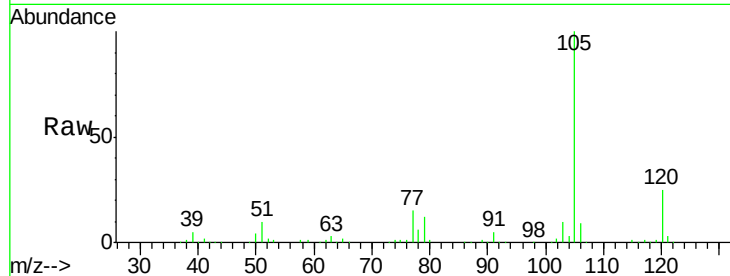
VD0411SBSD01

Tot Ion:105 Resp: 448961

Ion Ratio Lower Upper

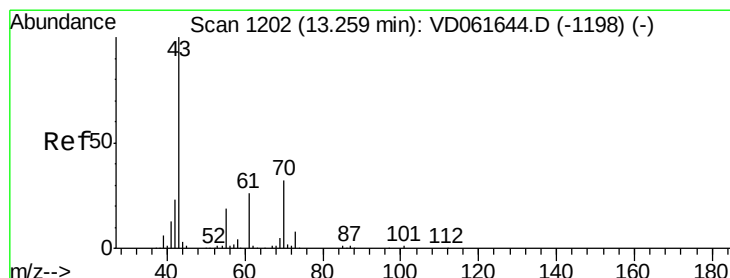
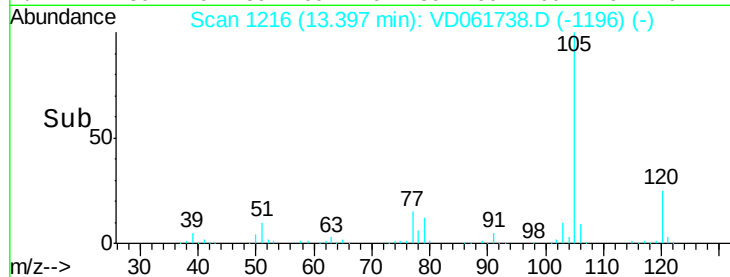
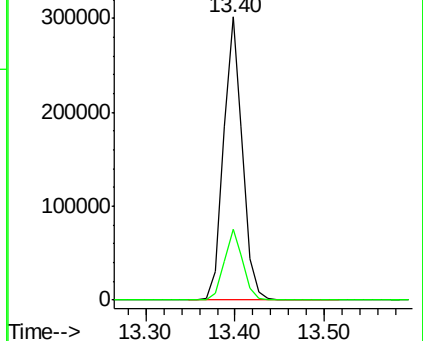
105 100

120 25.2 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: 16.013 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Tgt Ion: 43 Resp: 122574

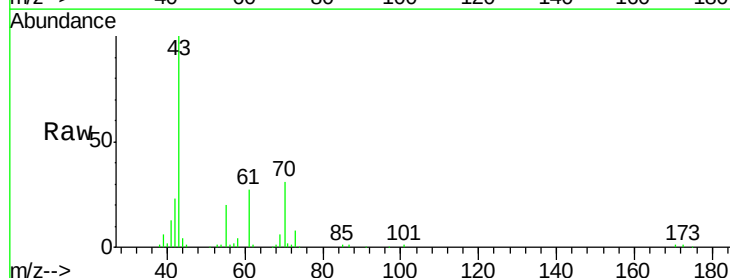
Ion Ratio Lower Upper

43 100

70 30.7 25.4 38.2

55 19.7 15.0 22.4

61 26.9 20.9 31.3

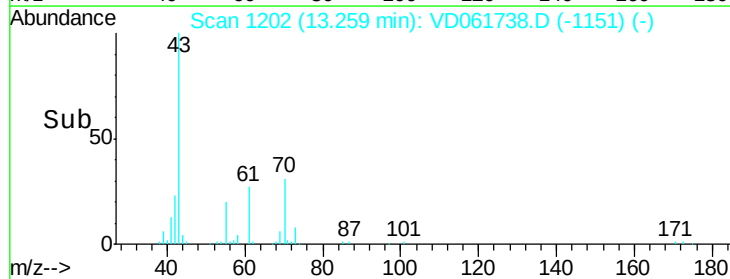
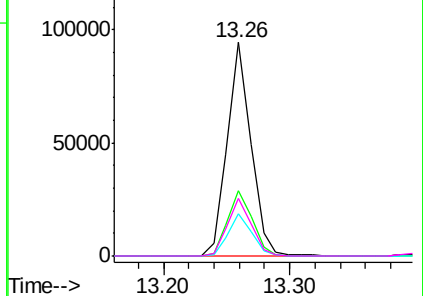


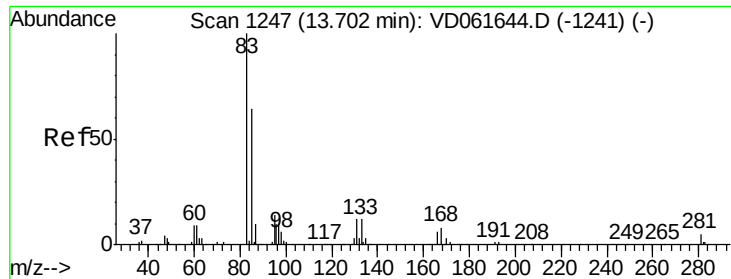
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 16.331 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS01

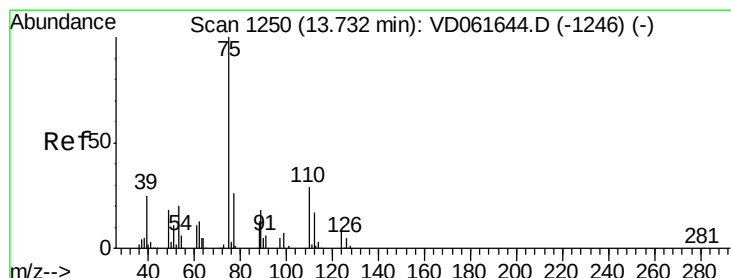
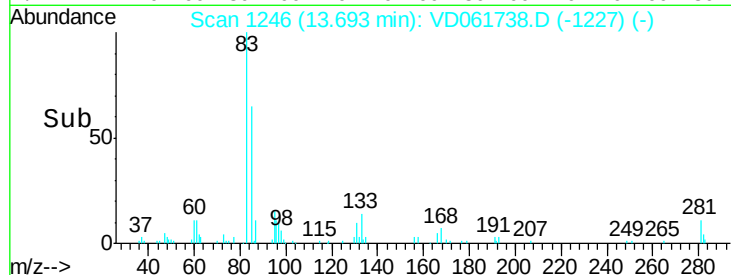
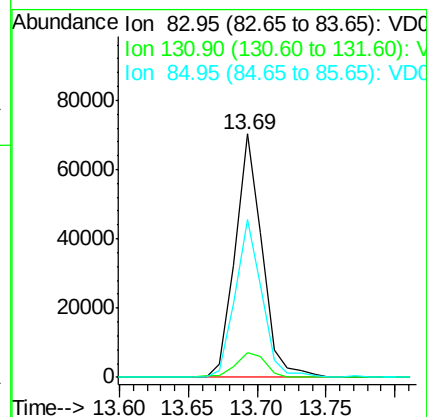
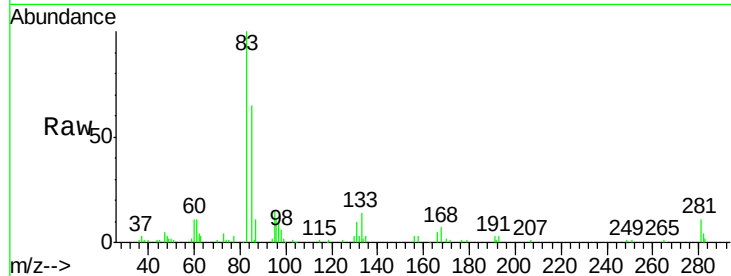
Tot Ion: 83 Resp: 95131

Ion Ratio Lower Upper

83 100

131 9.9 5.9 17.6

85 64.7 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 16.172 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD061738.D

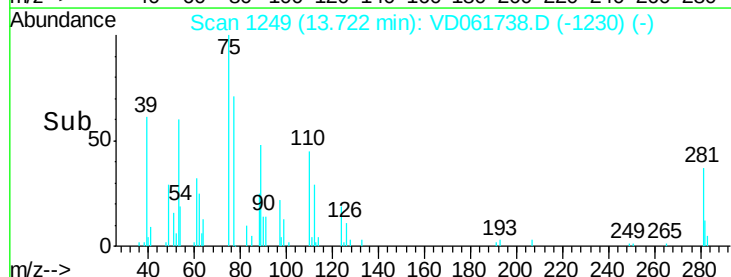
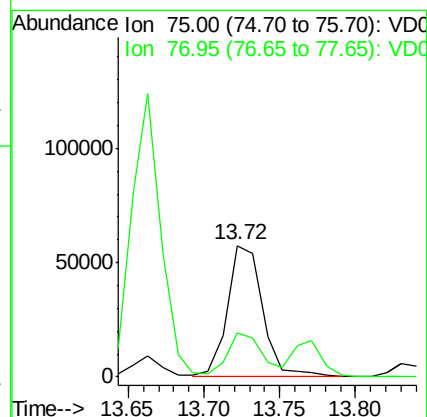
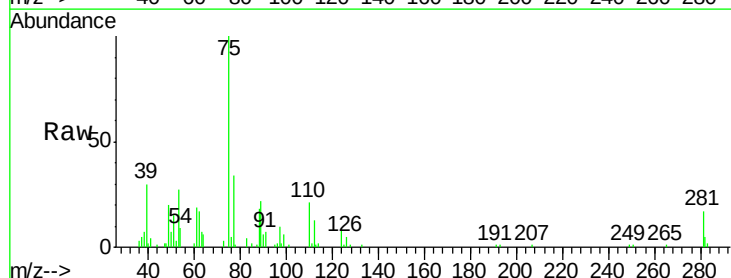
Acq: 11 Apr 2019 13:57

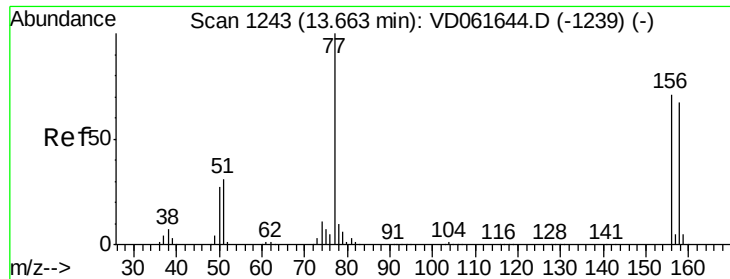
Tgt Ion: 75 Resp: 93026

Ion Ratio Lower Upper

75 100

77 33.6 15.7 47.1





#77

Bromobenzene

Concen: 16.877 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

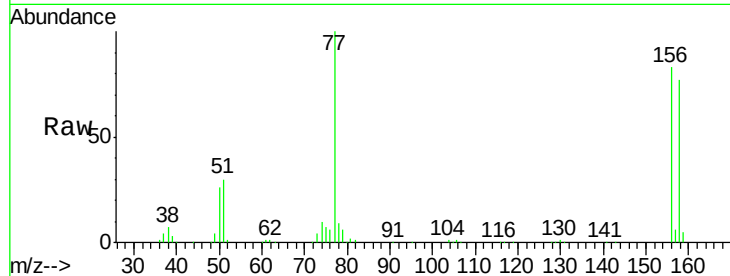
Tot Ion:156 Resp: 138012

Ion Ratio Lower Upper

156 100

77 121.1 70.3 210.8

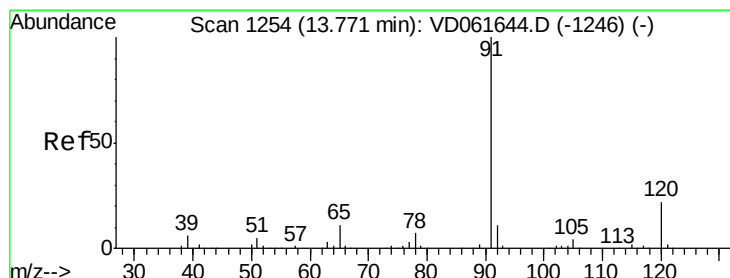
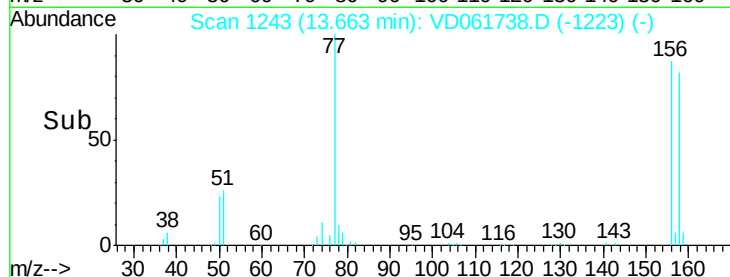
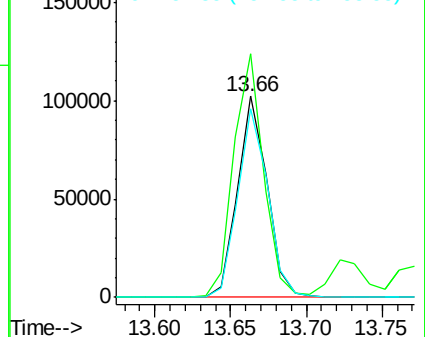
158 93.8 47.4 142.2



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: 17.804 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061738.D

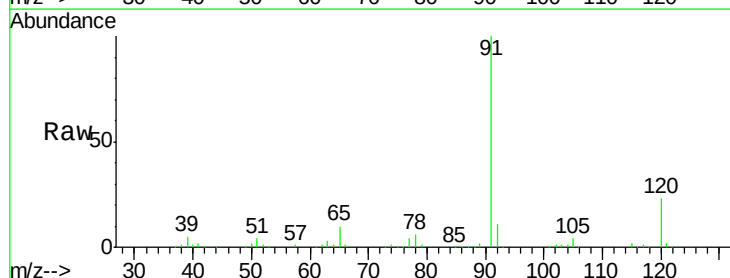
Acq: 11 Apr 2019 13:57

Tgt Ion: 91 Resp: 599983

Ion Ratio Lower Upper

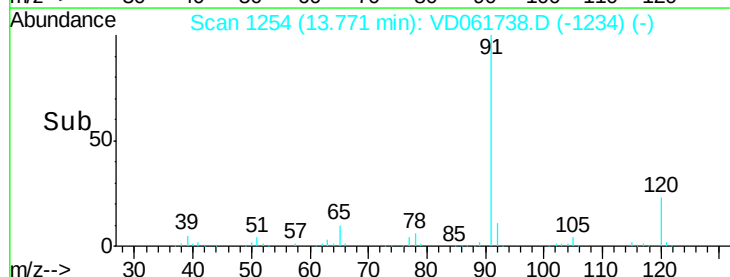
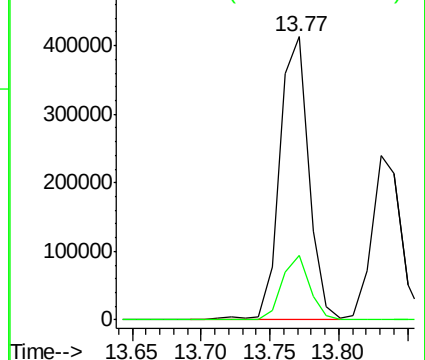
91 100

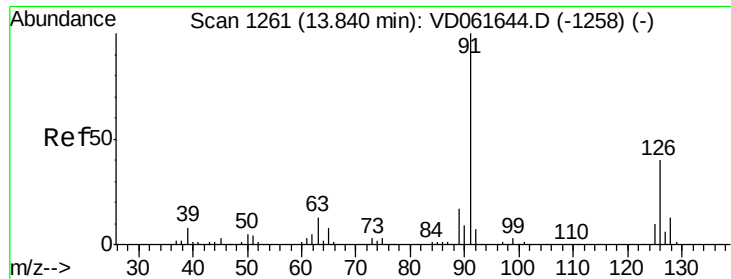
120 22.8 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 18.142 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

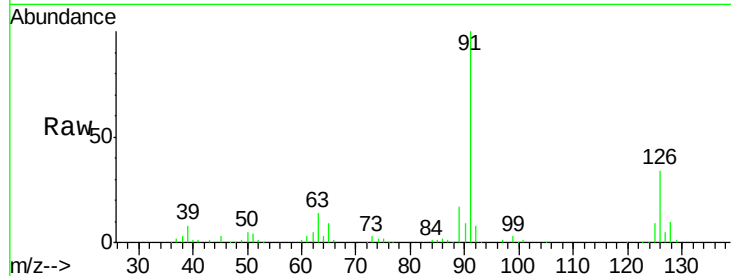
VD0411SBSD01

Tot Ion: 91 Resp: 349626

Ion Ratio Lower Upper

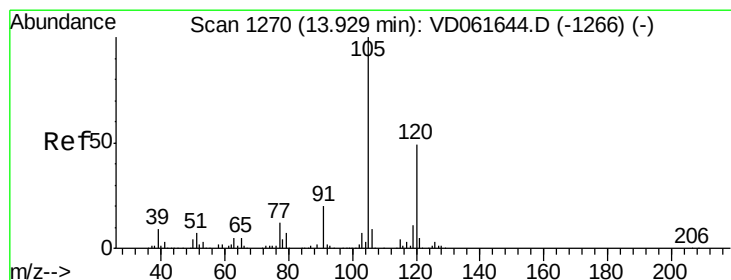
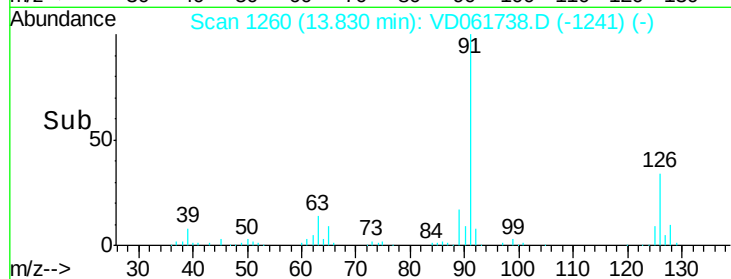
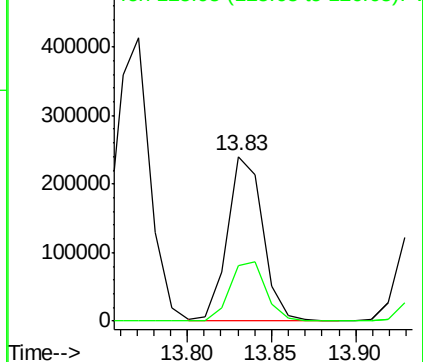
91 100

126 34.0 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: 18.445 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD061738.D

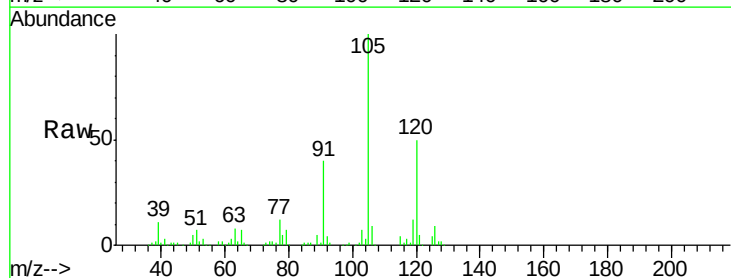
Acq: 11 Apr 2019 13:57

Tgt Ion:105 Resp: 412456

Ion Ratio Lower Upper

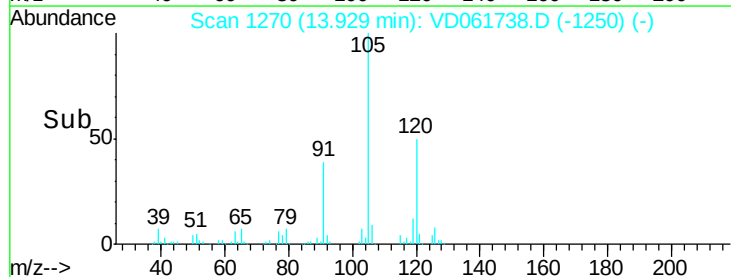
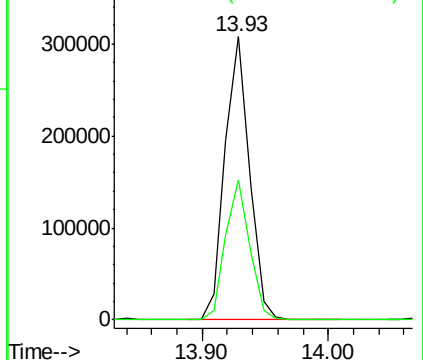
105 100

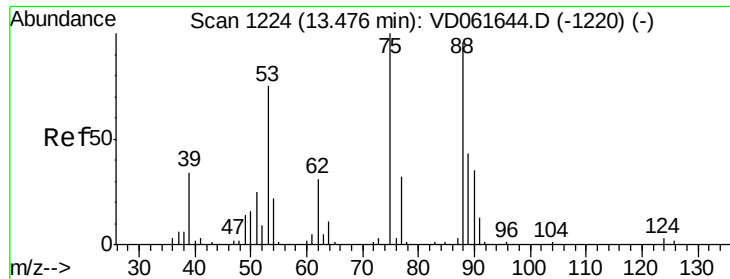
120 49.6 24.4 73.2



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

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

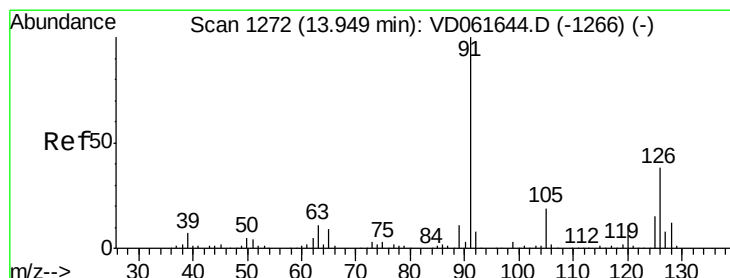
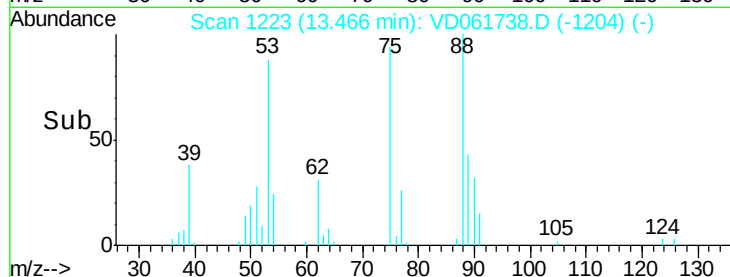
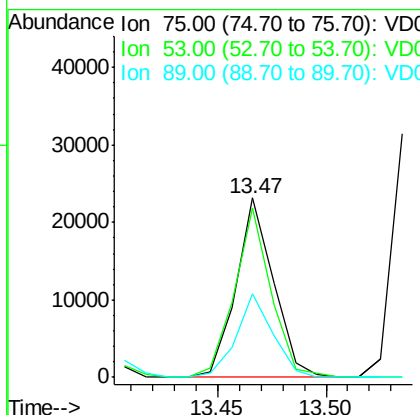
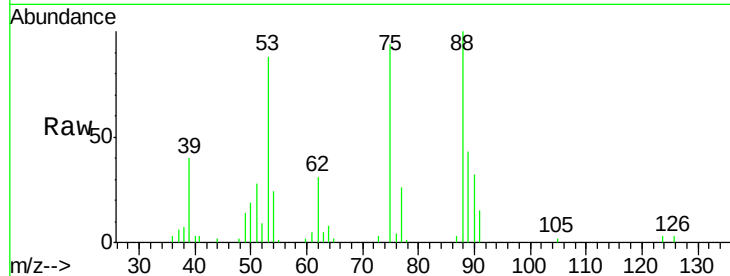




#81
trans-1,4-Dichloro-2-butene
Concen: 15.903 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

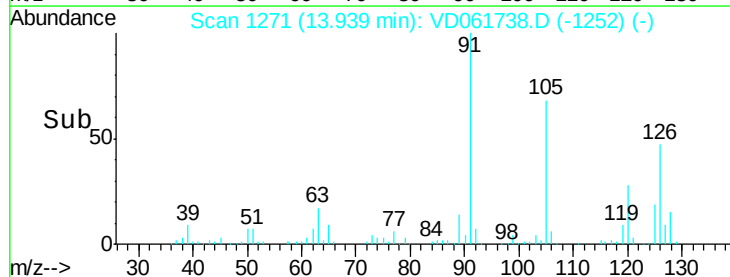
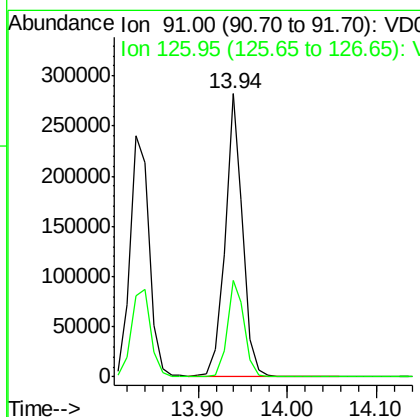
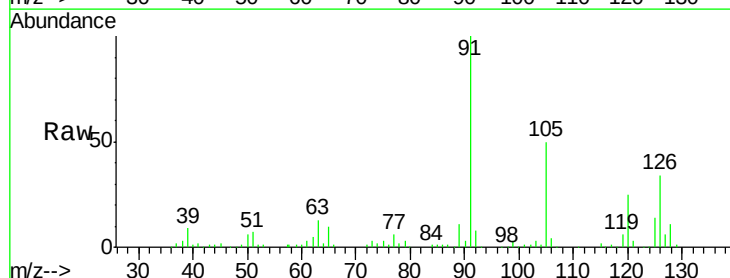
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

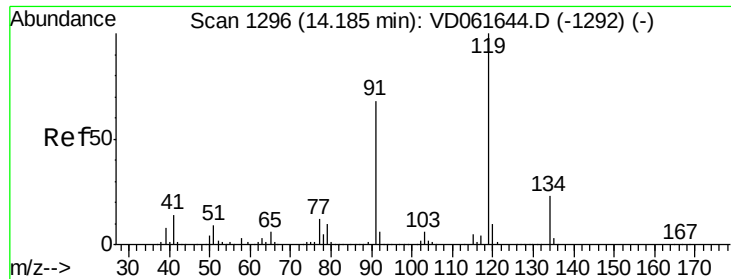
Tot Ion: 75 Resp: 27760
Ion Ratio Lower Upper
75 100
53 94.2 60.2 90.2#
89 46.3 34.2 51.2



#82
4-Chlorotoluene
Concen: 18.406 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD061738.D
Acq: 11 Apr 2019 13:57

Tgt Ion: 91 Resp: 388679
Ion Ratio Lower Upper
91 100
126 34.2 19.0 57.0

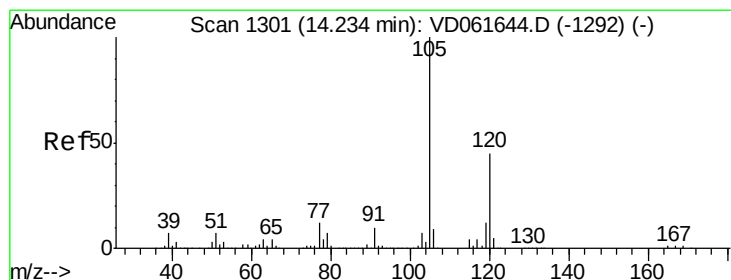
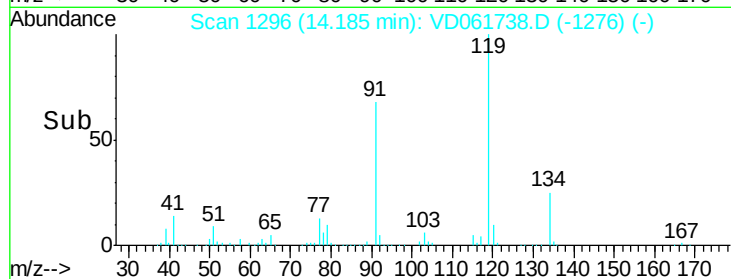
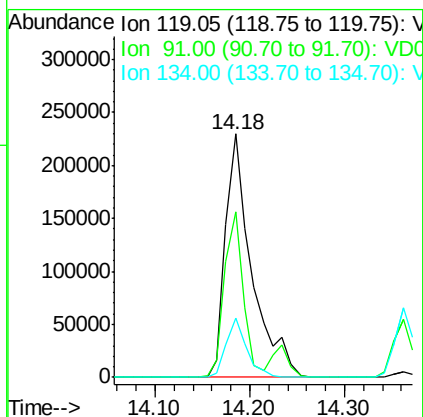
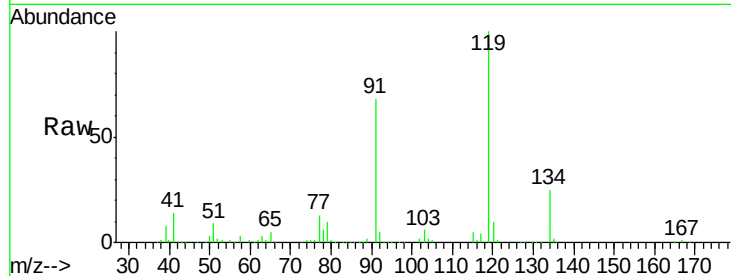




#83
 tert-Butylbenzene
 Concen: 16.436 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

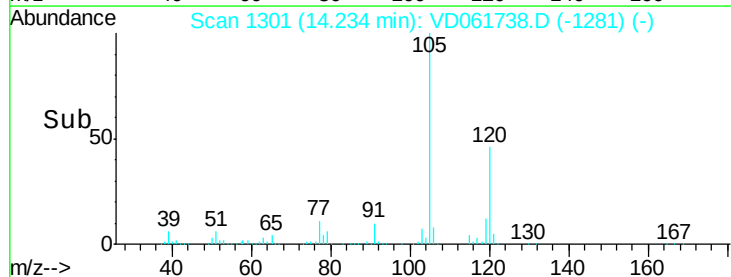
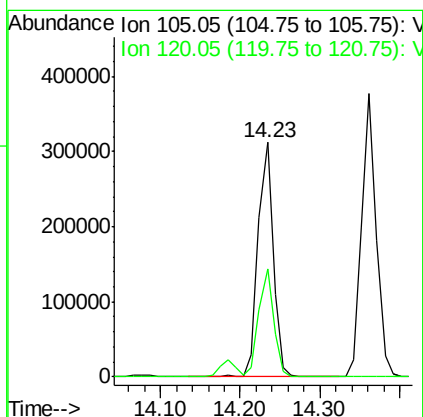
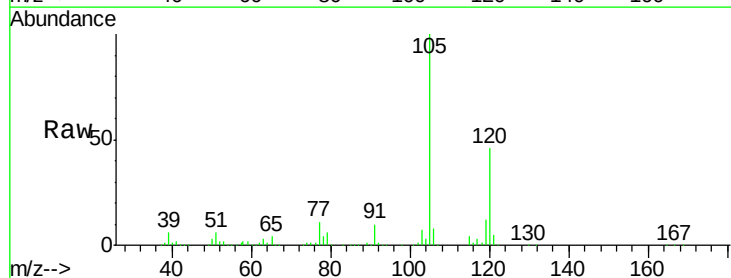
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

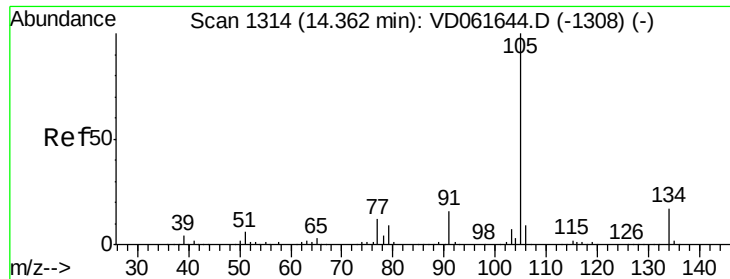
Tot Ion:119 Resp: 443120
 Ion Ratio Lower Upper
 119 100
 91 68.1 33.9 101.6
 134 24.6 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 18.022 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Tgt Ion:105 Resp: 406718
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.6 67.8

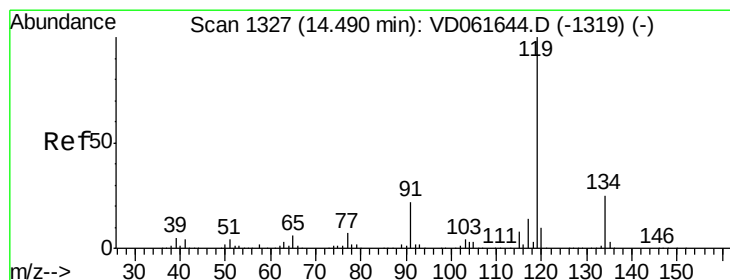
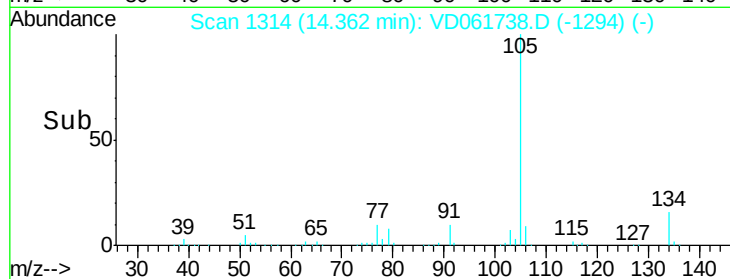
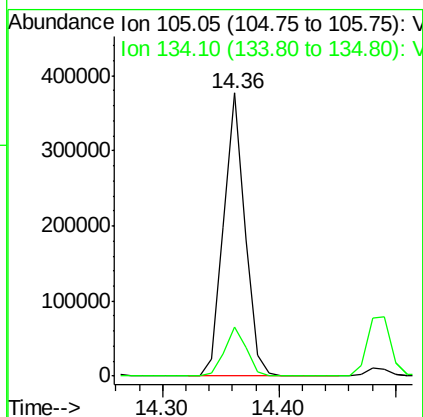
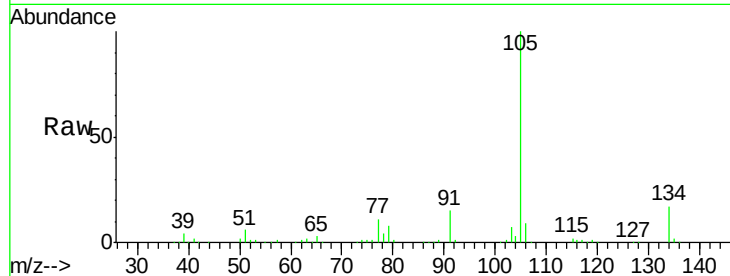




#85
 sec-Butylbenzene
 Concen: 16.567 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

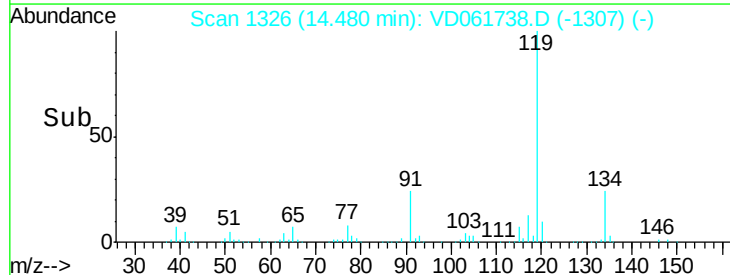
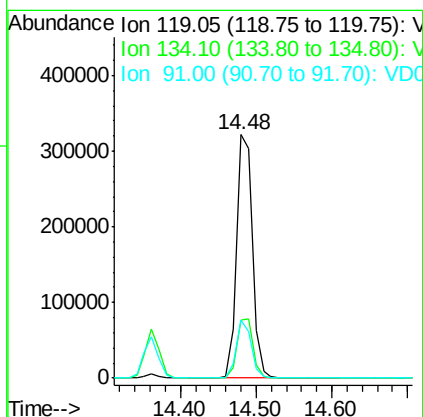
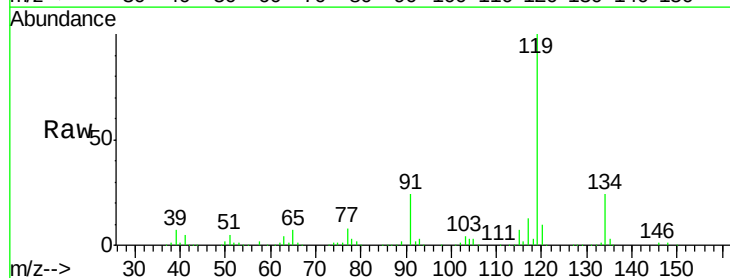
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

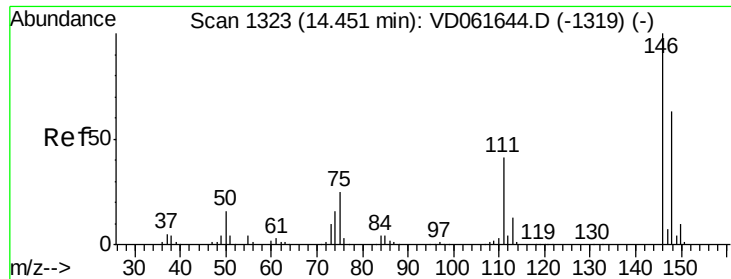
Tot Ion:105 Resp: 482587
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 18.051 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Tgt Ion:119 Resp: 456137
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.5 37.5
 91 24.1 11.0 33.0

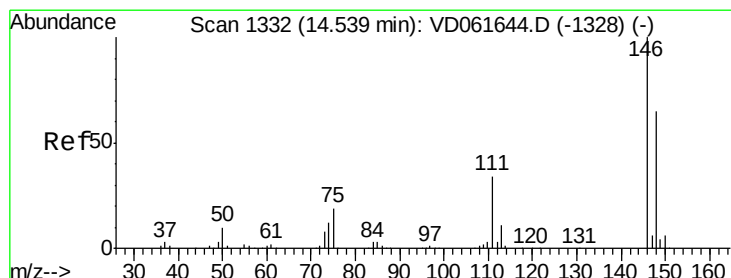
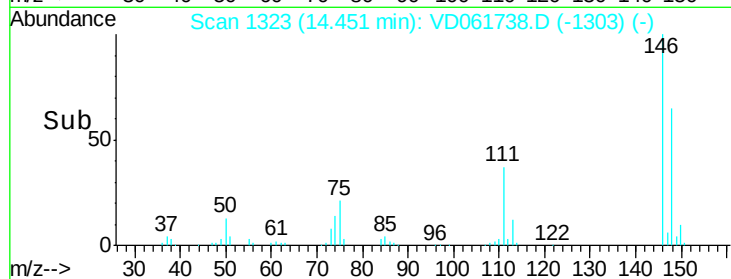
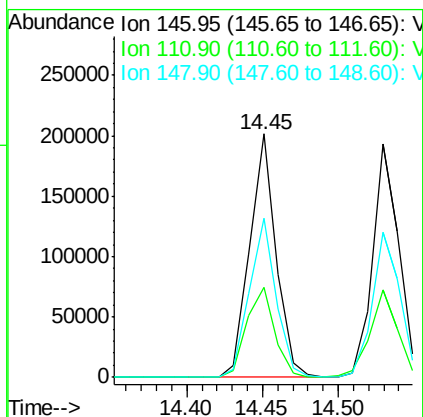
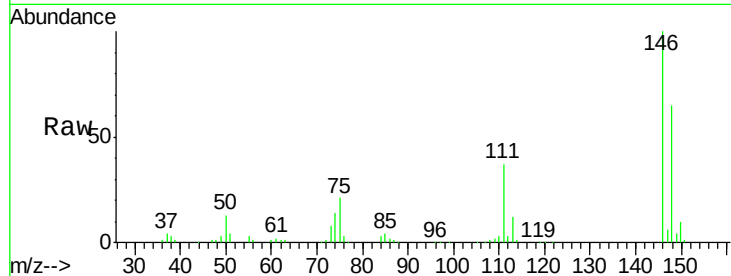




#87
 1,3-Dichlorobenzene
 Concen: 17.381 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

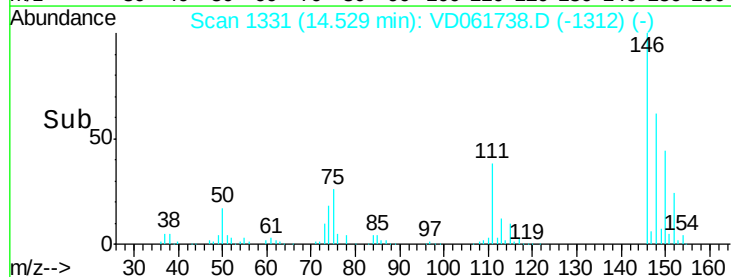
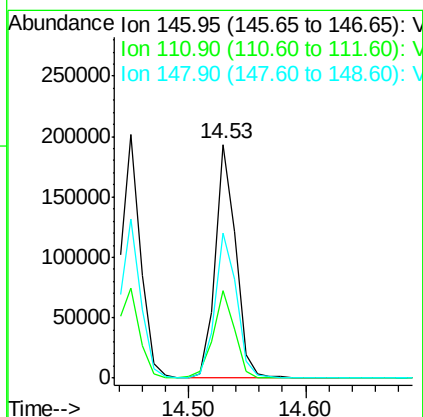
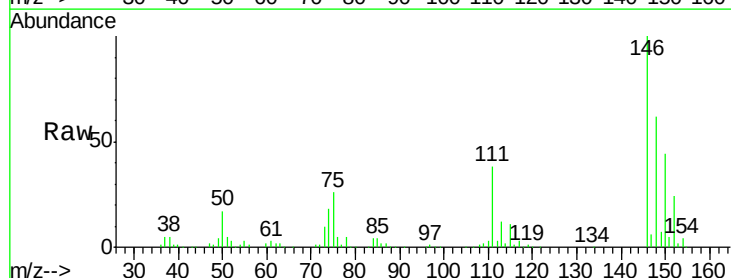
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS01

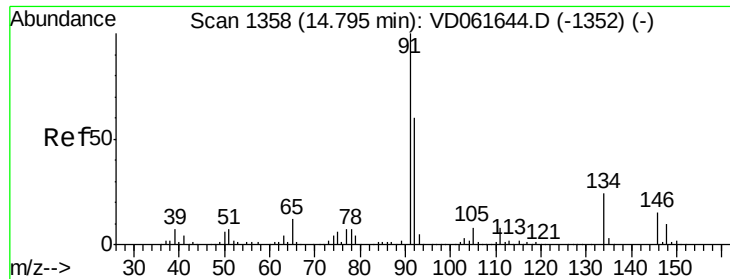
Tot Ion:146 Resp: 244604
 Ion Ratio Lower Upper
 146 100
 111 37.2 20.3 61.0
 148 65.1 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 16.536 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Tgt Ion:146 Resp: 234813
 Ion Ratio Lower Upper
 146 100
 111 37.6 17.1 51.2
 148 62.4 32.6 97.7





#89

n-Butylbenzene

Concen: 19.196 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS01

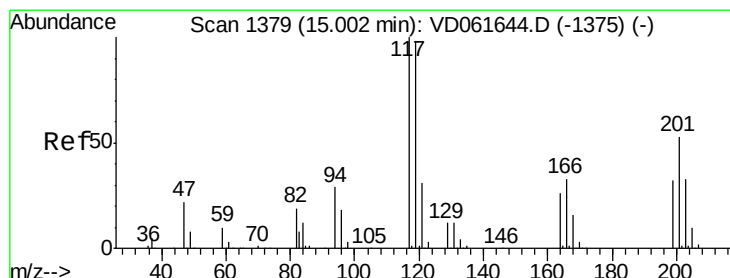
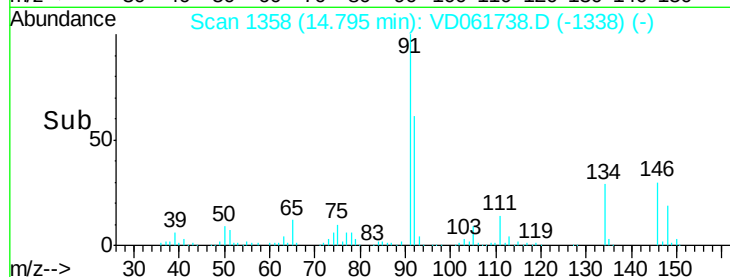
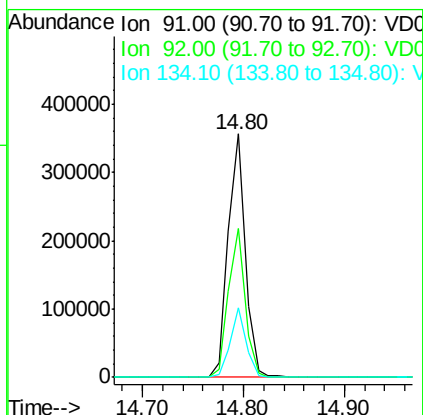
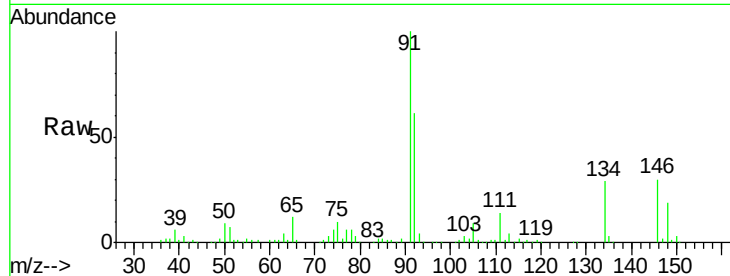
Tot Ion: 91 Resp: 421612

Ion Ratio Lower Upper

91 100

92 61.0 29.8 89.4

134 28.6 12.2 36.4



#90

Hexachloroethane

Concen: 17.903 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD061738.D

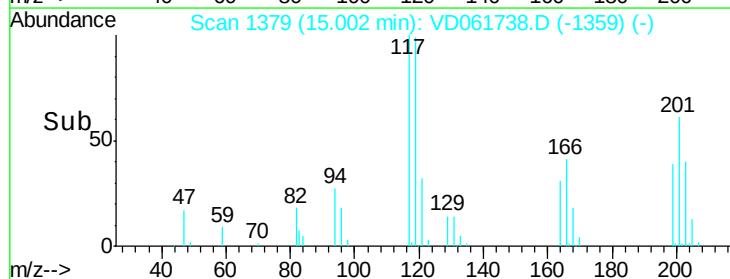
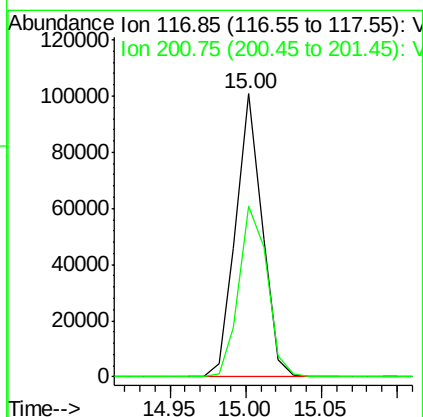
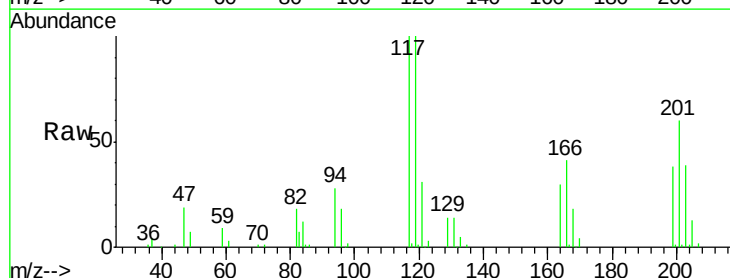
Acq: 11 Apr 2019 13:57

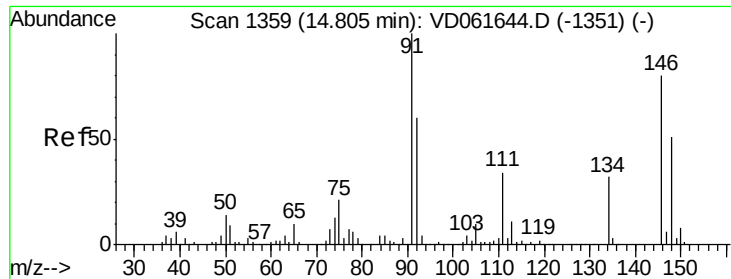
Tgt Ion: 117 Resp: 122754

Ion Ratio Lower Upper

117 100

201 60.4 26.3 78.8





#91

1,2-Dichlorobenzene

Concen: 18.056 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

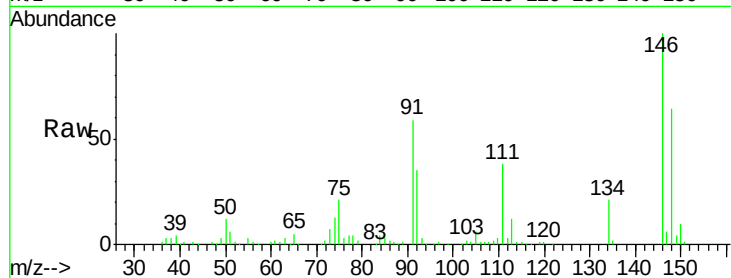
Tot Ion:146 Resp: 209427

Ion Ratio Lower Upper

146 100

111 37.8 21.1 63.3

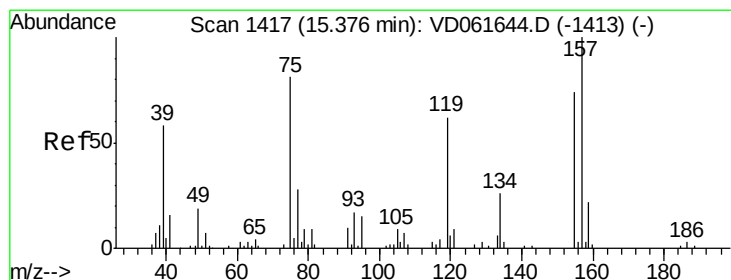
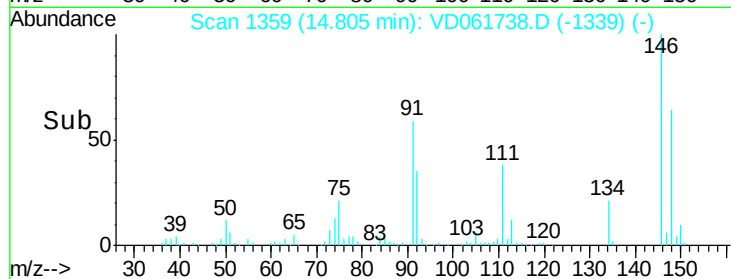
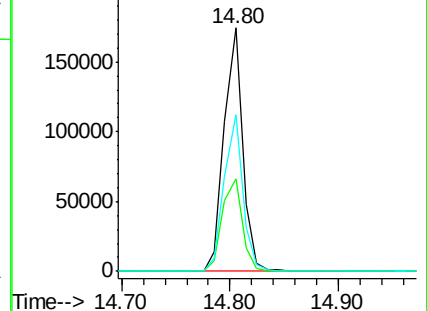
148 64.1 31.7 95.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.503 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

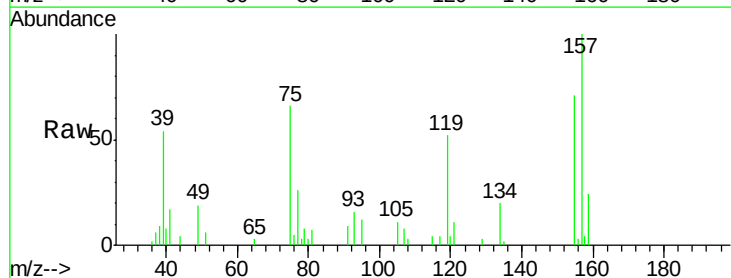
Tgt Ion: 75 Resp: 10898

Ion Ratio Lower Upper

75 100

155 107.0 45.6 136.7

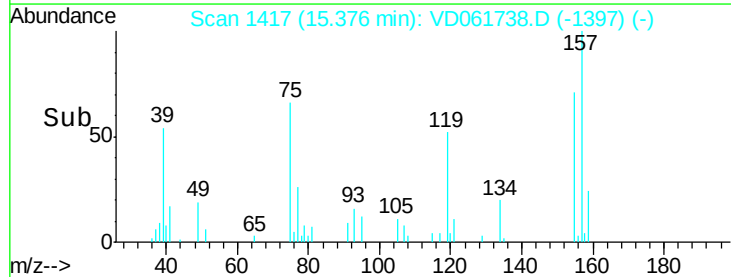
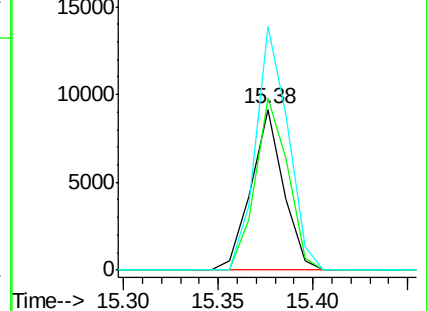
157 151.4 61.4 184.2

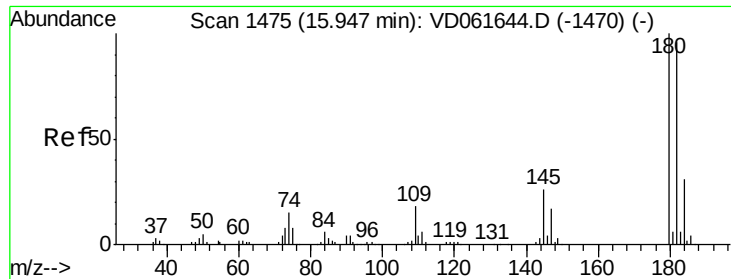


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

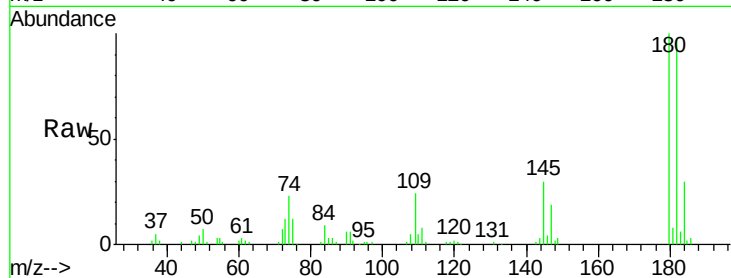




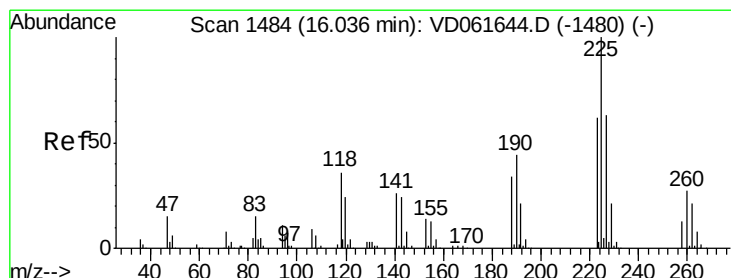
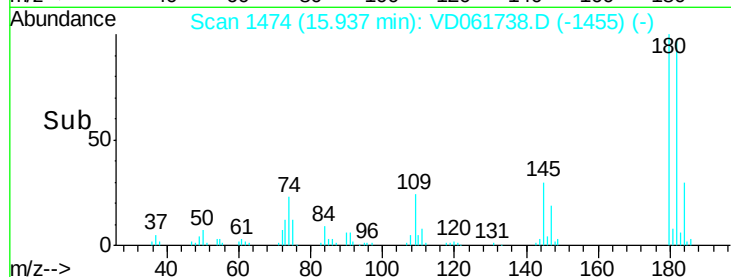
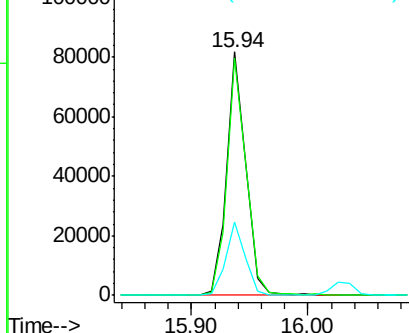
#93
 1,2,4-Trichlorobenzene
 Concen: 15.837 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

Tot Ion:180 Resp: 93588
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.8 143.3
 145 30.2 13.3 39.8

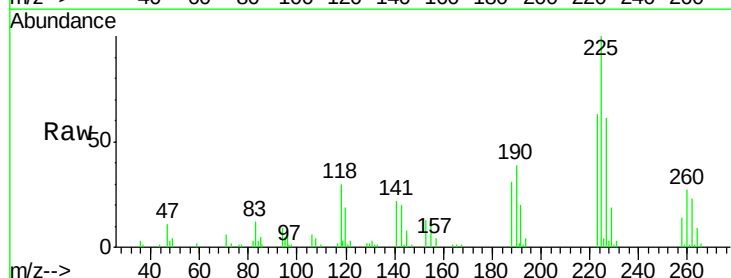


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

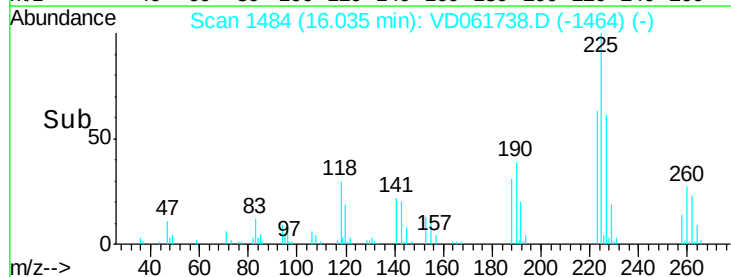
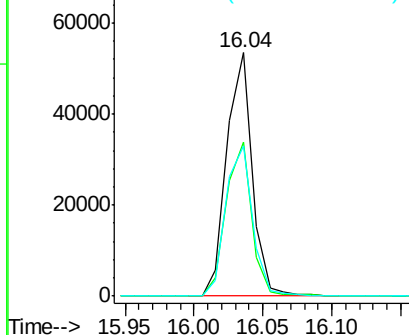


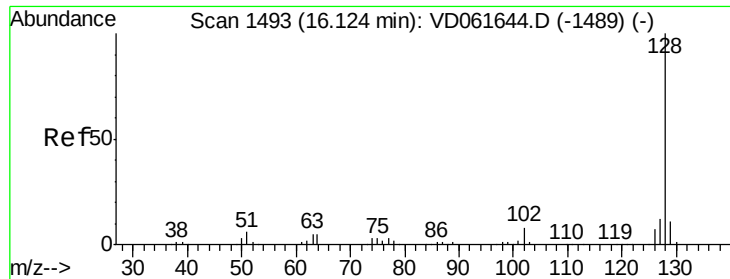
#94
 Hexachlorobutadiene
 Concen: 15.050 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061738.D
 Acq: 11 Apr 2019 13:57

Tgt Ion:225 Resp: 68674
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.8 92.3
 227 61.5 31.5 94.5



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





#95

Naphthalene

Concen: 16.795 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

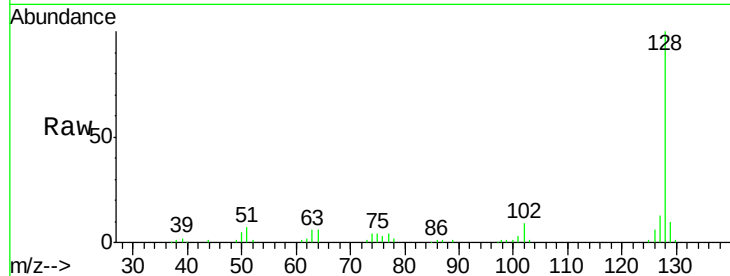
Tot Ion:128 Resp: 157039

Ion Ratio Lower Upper

128 100

127 12.7 9.4 14.2

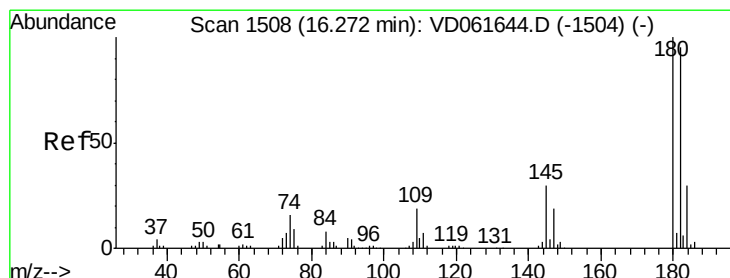
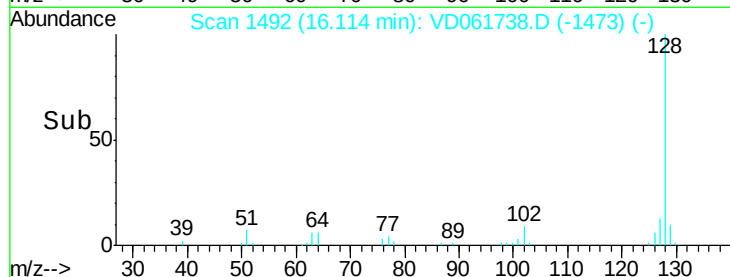
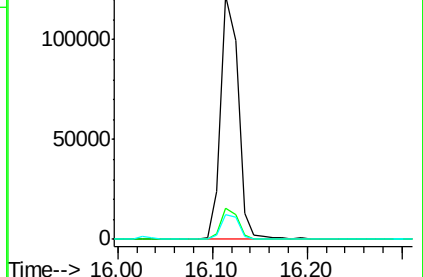
129 10.0 8.8 13.2



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: 17.346 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD061738.D

Acq: 11 Apr 2019 13:57

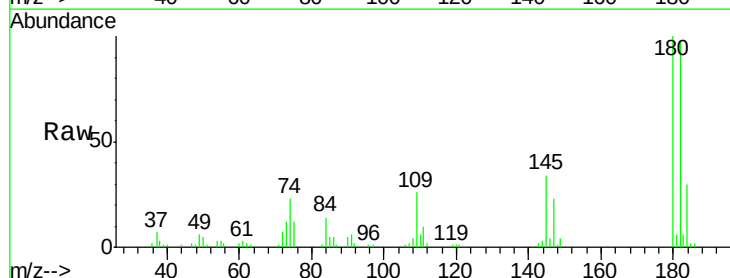
Tgt Ion:180 Resp: 51157

Ion Ratio Lower Upper

180 100

182 96.9 47.3 142.0

145 33.7 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

