

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\
 Data File : VD061773.D
 Acq On : 12 Apr 2019 12:49
 Operator : VA/AP
 Sample : VD0412SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBS01

Quant Time: Apr 12 13:13:13 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	653031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1057221	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	825602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	389306	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	234033	47.28	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.56%	
35) Dibromofluoromethane	6.91	113	342915	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
50) Toluene-d8	10.40	98	811409	44.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.20%	
62) 4-Bromofluorobenzene	13.55	95	338931	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	122578	17.399	ug/l	99
3) Chloromethane	1.76	50	112242	19.715	ug/l	92
4) Vinyl Chloride	1.85	62	113116	21.263	ug/l	97
5) Bromomethane	2.15	94	21411	17.389	ug/l	98
6) Chloroethane	2.26	64	33697	20.223	ug/l	96
7) Trichlorofluoromethane	2.52	101	155663	19.380	ug/l	97
8) Diethyl Ether	2.87	74	45143	20.026	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	158461	20.066	ug/l	97
10) Methyl Iodide	3.30	142	192707	18.822	ug/l	94
11) Tert butyl alcohol	4.06	59	32020	96.522	ug/l #	92
12) 1,1-Dichloroethene	3.12	96	132446	19.455	ug/l	94
13) Acrolein	3.04	56	26203	64.785	ug/l	87
14) Allyl chloride	3.62	41	173997	18.739	ug/l	98
15) Acrylonitrile	4.19	53	109903	96.241	ug/l	96
16) Acetone	3.22	43	137427	92.875	ug/l	96
17) Carbon Disulfide	3.37	76	414061	18.718	ug/l	99
18) Methyl Acetate	3.64	43	53875	19.352	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	237626	20.159	ug/l	99
20) Methylene Chloride	3.81	84	177509	21.140	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	146697	19.840	ug/l	95
22) Diisopropyl ether	5.11	45	382564	19.651	ug/l	99
23) Vinyl Acetate	5.04	43	1040260	96.843	ug/l	100
24) 1,1-Dichloroethane	4.97	63	216250	18.127	ug/l	98
25) 2-Butanone	6.07	43	154139	90.359	ug/l	98
26) 2,2-Dichloropropane	6.02	77	188444	19.400	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	147453	18.693	ug/l	98
28) Bromochloromethane	6.43	49	82614	18.773	ug/l	98
29) Tetrahydrofuran	6.44	42	80341	97.564	ug/l	98
30) Chloroform	6.66	83	253633	20.295	ug/l	99
31) Cyclohexane	6.95	56	183688	19.710	ug/l	96
32) 1,1,1-Trichloroethane	6.85	97	219620	20.054	ug/l	97
36) 1,1-Dichloropropene	7.14	75	201151	21.740	ug/l	99
37) Ethyl Acetate	6.17	43	79067	20.980	ug/l	94
38) Carbon Tetrachloride	7.10	117	241958	22.313	ug/l	98

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 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)
39) Methylcyclohexane	8.85	83	201199	21.180	ug/l	98
40) Benzene	7.45	78	451910	20.245	ug/l	99
41) Methacrylonitrile	6.44	41	90433	20.555	ug/l #	91
42) 1,2-Dichloroethane	7.56	62	153957	21.931	ug/l	99
43) Isopropyl Acetate	9.23	43	114767	20.983	ug/l #	98
44) Trichloroethene	8.54	130	170185	19.887	ug/l	97
45) 1,2-Dichloropropane	8.93	63	117877	21.294	ug/l	94
46) Dibromomethane	9.06	93	81286	20.546	ug/l	98
47) Bromodichloromethane	9.37	83	186240	21.433	ug/l	98
48) Methyl methacrylate	9.12	41	60822	19.291	ug/l	93
49) 1,4-Dioxane	9.08	88	14212	408.384	ug/l #	94
51) 4-Methyl-2-Pentanone	10.29	43	341853	105.685	ug/l	99
52) Toluene	10.51	92	288750	20.716	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	173693	22.804	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	207049	22.051	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	100030	21.278	ug/l	99
56) Ethyl methacrylate	11.04	69	110088	22.198	ug/l	99
57) 1,3-Dichloropropane	11.40	76	141658	20.576	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	276893	118.328	ug/l	99
59) 2-Hexanone	11.53	43	260527	103.781	ug/l	96
60) Dibromochloromethane	11.68	129	158798	21.380	ug/l	100
61) 1,2-Dibromoethane	11.80	107	117110	21.301	ug/l	99
64) Tetrachloroethene	11.26	164	138557	21.620	ug/l	98
65) Chlorobenzene	12.40	112	370940	22.656	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	145801	23.142	ug/l	99
67) Ethyl Benzene	12.52	91	607041	24.348	ug/l	98
68) m/p-Xylenes	12.66	106	449487	46.764	ug/l	100
69) o-Xylene	13.05	106	220525	23.768	ug/l	96
70) Styrene	13.07	104	356365	22.490	ug/l	98
71) Bromoform	13.23	173	83133	21.267	ug/l #	98
73) Isopropylbenzene	13.40	105	528584	20.377	ug/l	97
74) N-amyl acetate	13.26	43	143570	20.370	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	111644	20.815	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	111824	21.113	ug/l	100
77) Bromobenzene	13.67	156	162095	21.528	ug/l	89
78) n-propylbenzene	13.78	91	688480	22.188	ug/l	96
79) 2-Chlorotoluene	13.83	91	387465	21.836	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	480014	23.314	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	31536	19.621	ug/l	97
82) 4-Chlorotoluene	13.94	91	471169	24.232	ug/l	90
83) tert-Butylbenzene	14.19	119	499126	20.107	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	450559	21.683	ug/l	98
85) sec-Butylbenzene	14.37	105	584900	21.808	ug/l	100
86) p-Isopropyltoluene	14.49	119	519755	22.339	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	283902	21.909	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	278520	21.302	ug/l	97
89) n-Butylbenzene	14.80	91	406354	20.093	ug/l	99
90) Hexachloroethane	15.01	117	132372	20.968	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	199866	18.714	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13666	21.114	ug/l	87

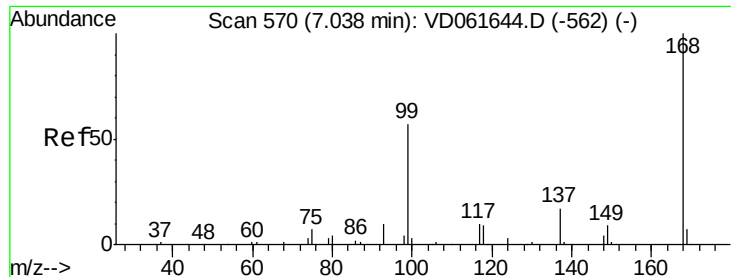
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	113235	20.811	ug/l	97
94) Hexachlorobutadiene	16.04	225	84535	20.121	ug/l	98
95) Naphthalene	16.12	128	180498	20.965	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	63766	23.482	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

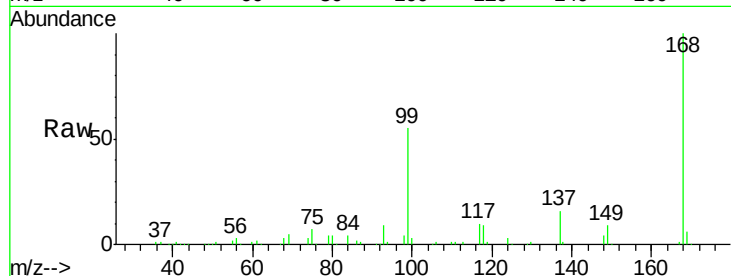
VD0412SBS01

Tot Ion:168 Resp: 653031

Ion Ratio Lower Upper

168 100

99 55.0 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

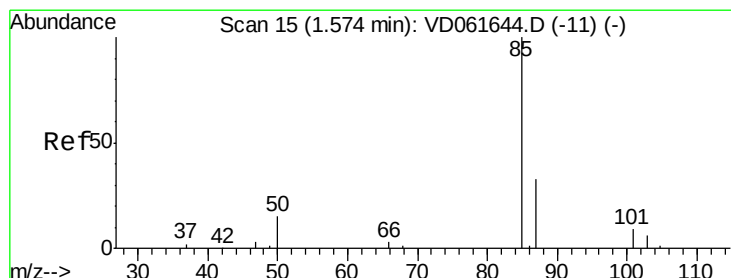
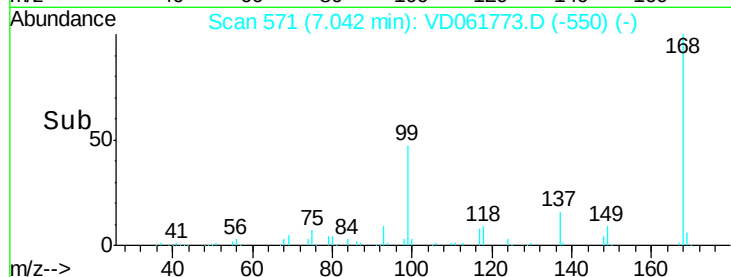
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 17.399 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061773.D

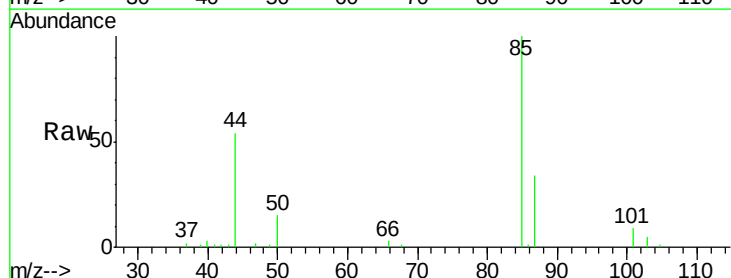
Acq: 12 Apr 2019 12:49

Tgt Ion: 85 Resp: 122578

Ion Ratio Lower Upper

85 100

87 33.7 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

60000

50000

40000

30000

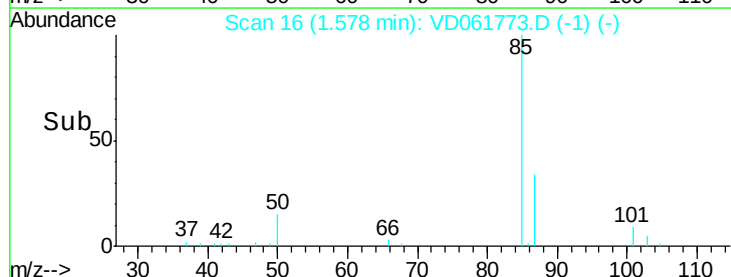
20000

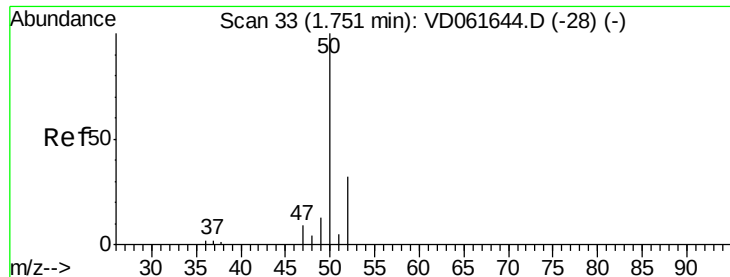
10000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 19.715 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

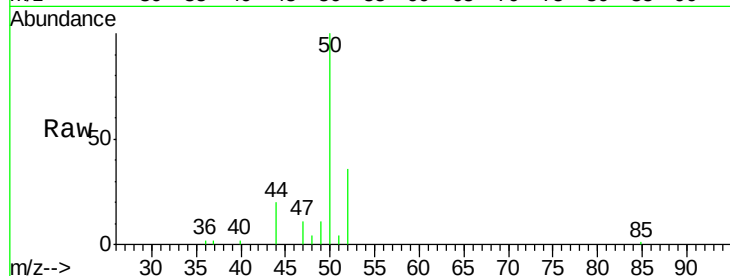
VD0412SBS01

Tot Ion: 50 Resp: 112242

Ion Ratio Lower Upper

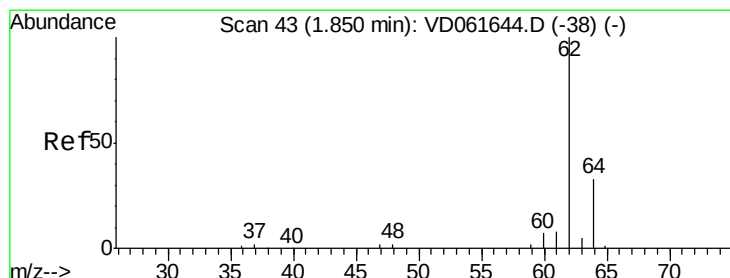
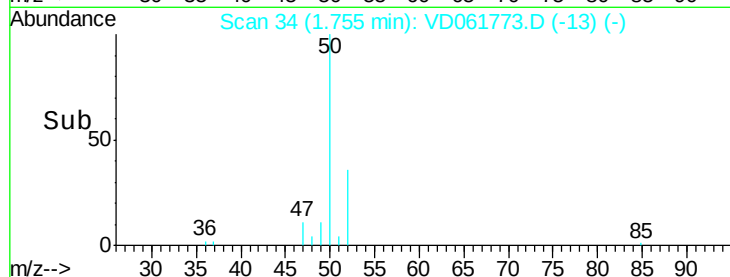
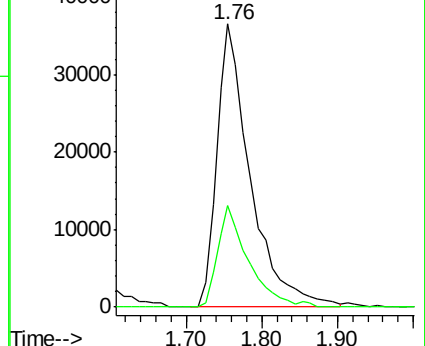
50 100

52 35.8 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: 21.263 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061773.D

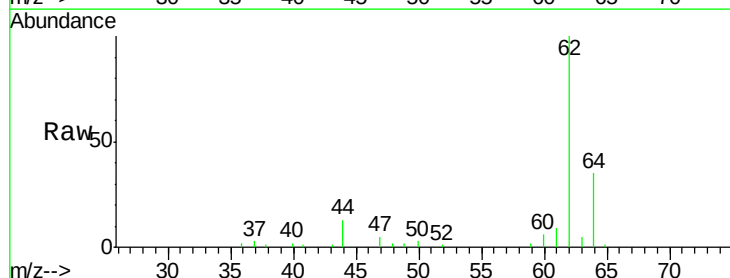
Acq: 12 Apr 2019 12:49

Tgt Ion: 62 Resp: 113116

Ion Ratio Lower Upper

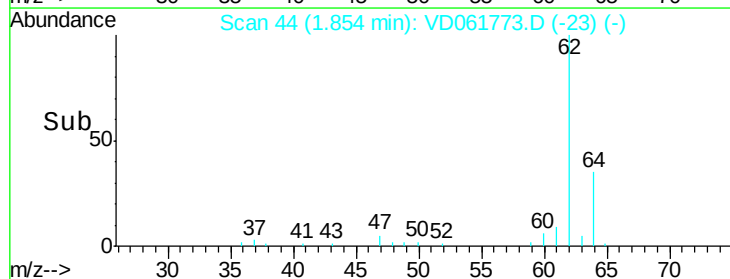
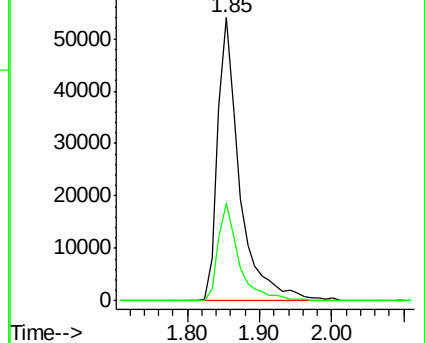
62 100

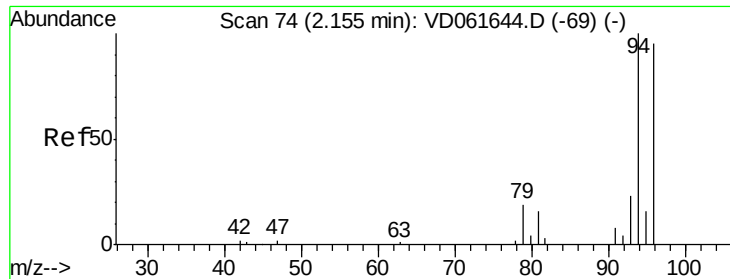
64 34.5 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.389 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBS01

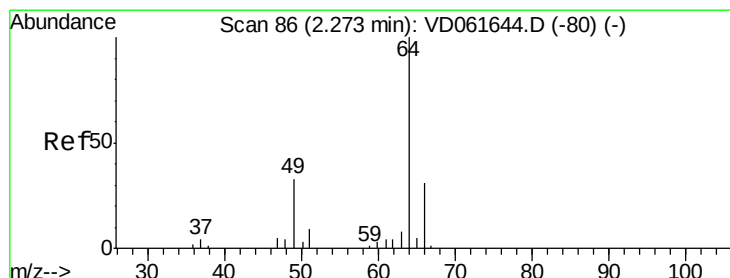
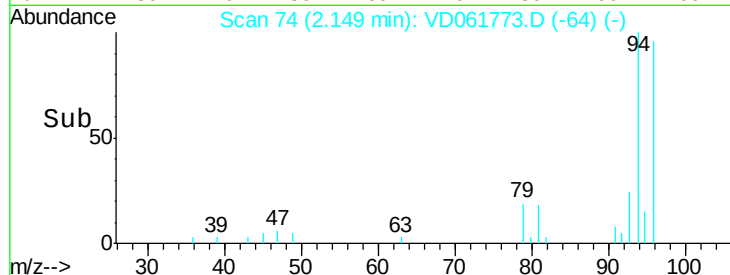
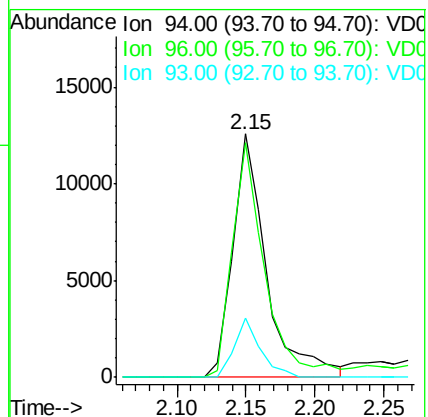
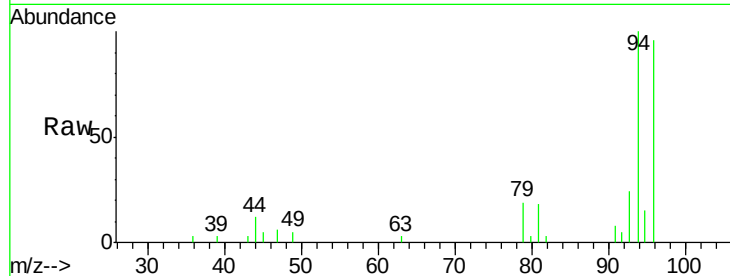
Tot Ion: 94 Resp: 21411

Ion Ratio Lower Upper

94 100

96 96.4 75.8 113.8

93 24.3 18.6 28.0



#6

Chloroethane

Concen: 20.223 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061773.D

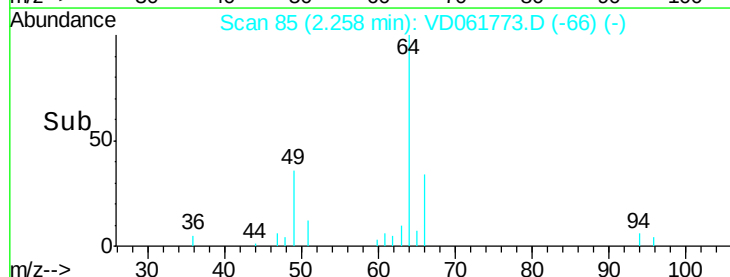
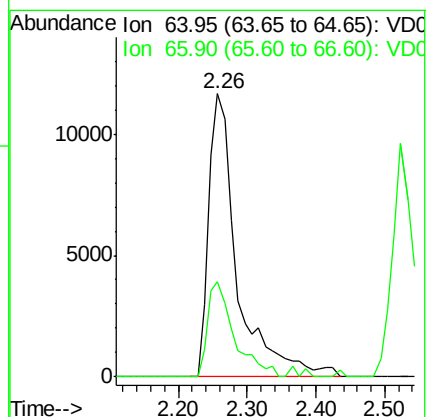
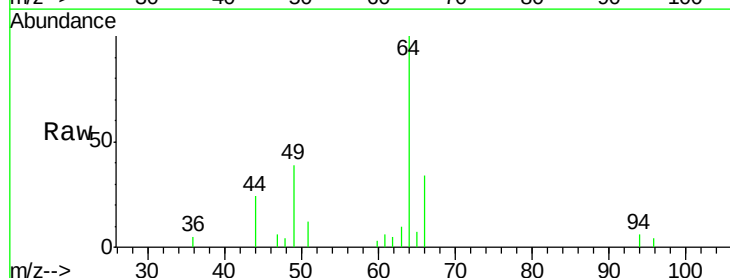
Acq: 12 Apr 2019 12:49

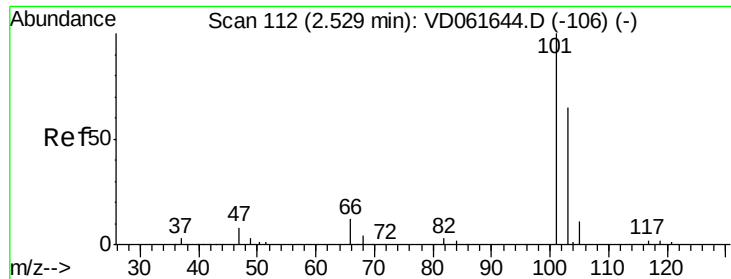
Tgt Ion: 64 Resp: 33697

Ion Ratio Lower Upper

64 100

66 33.6 24.9 37.3



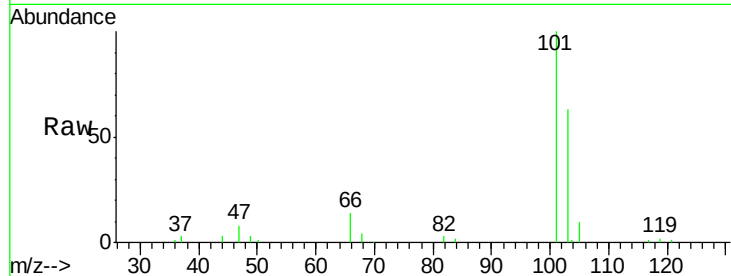


#7

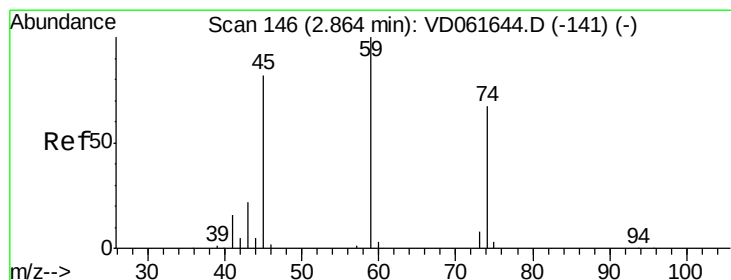
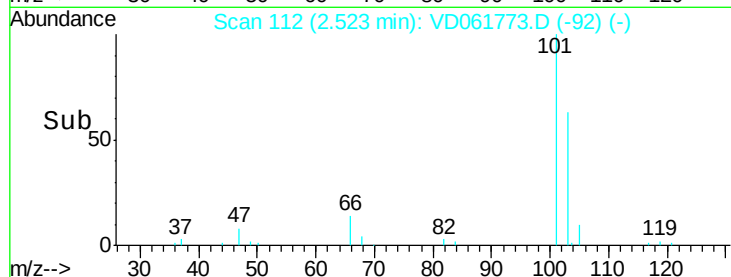
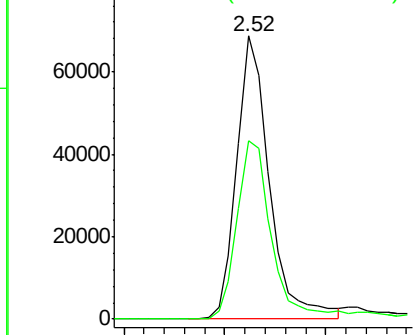
Trichlorofluoromethane
Concen: 19.380 ug/l
RT: 2.52 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

Tot Ion:101 Resp: 155663
Ion Ratio Lower Upper
101 100
103 63.0 52.0 78.0



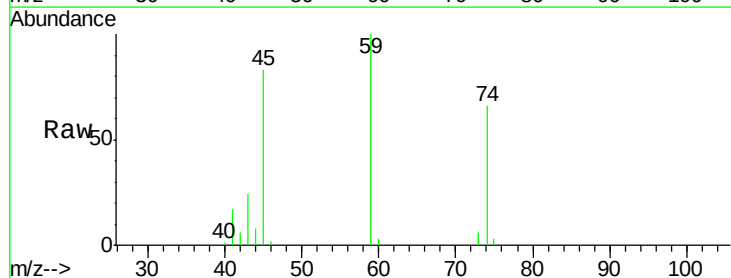
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



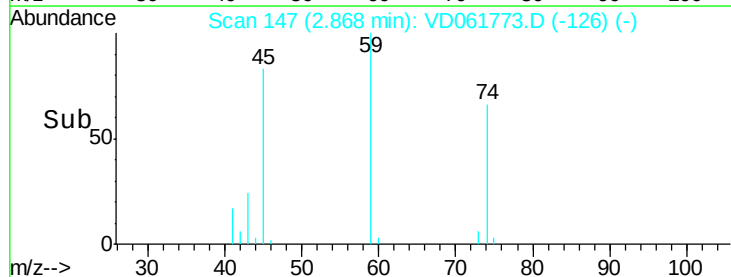
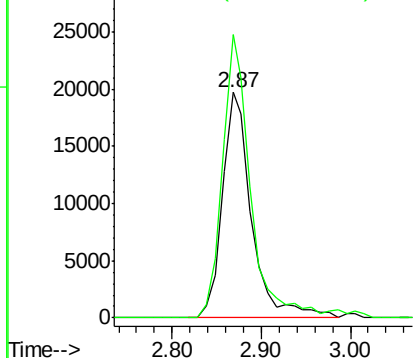
#8

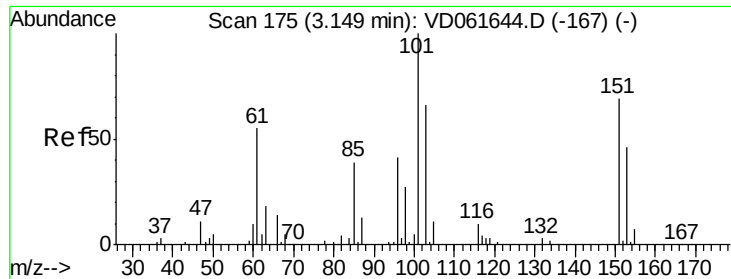
Diethyl Ether
Concen: 20.026 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Tgt Ion: 74 Resp: 45143
Ion Ratio Lower Upper
74 100
45 125.7 61.0 183.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.066 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBS01

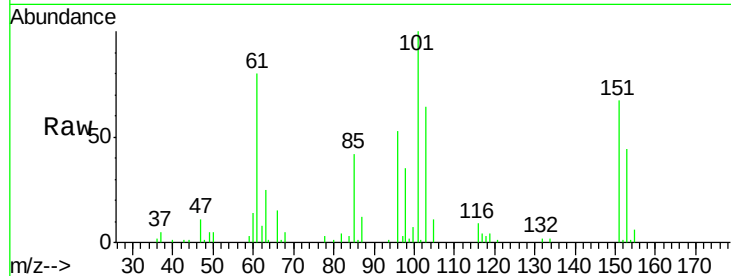
Tot Ion:101 Resp: 158461

Ion Ratio Lower Upper

101 100

85 41.5 31.0 46.6

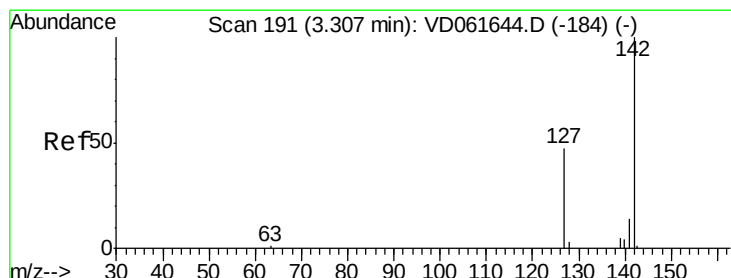
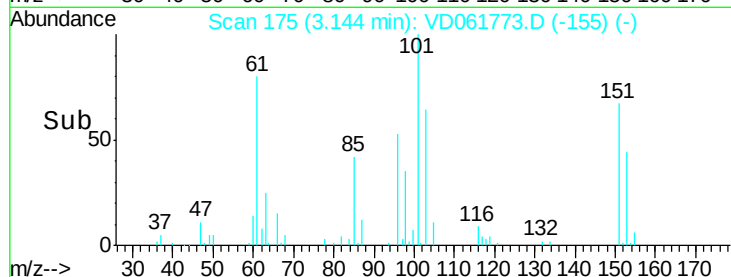
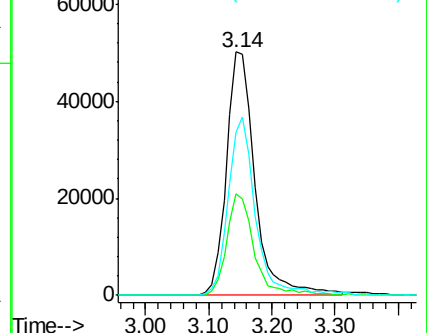
151 67.1 55.3 82.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.822 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

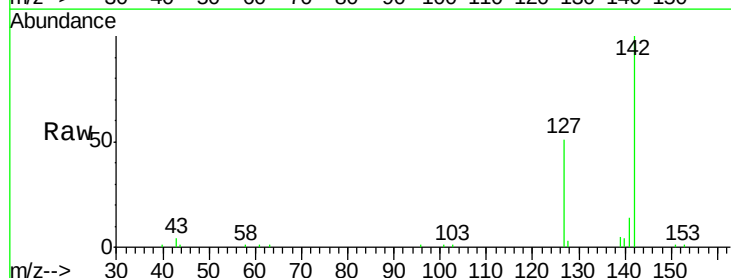
Tgt Ion:142 Resp: 192707

Ion Ratio Lower Upper

142 100

127 51.1 37.2 55.8

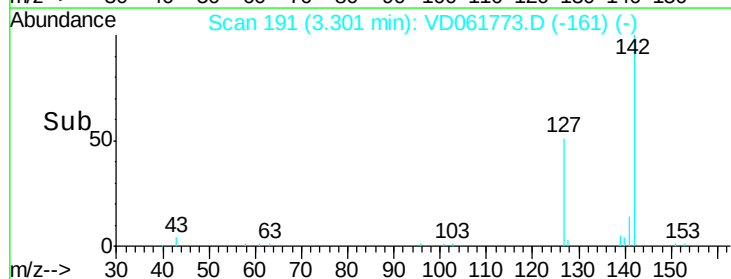
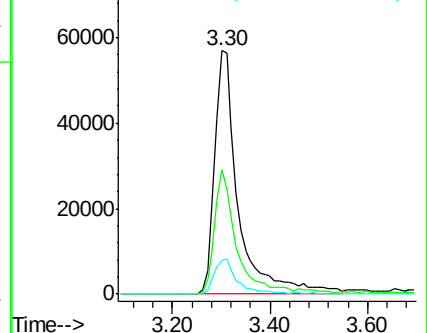
141 14.0 10.8 16.2

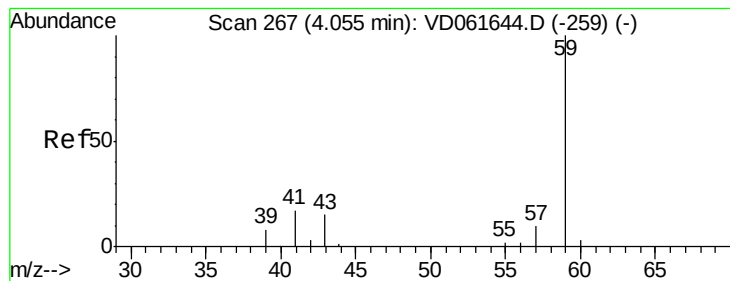


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



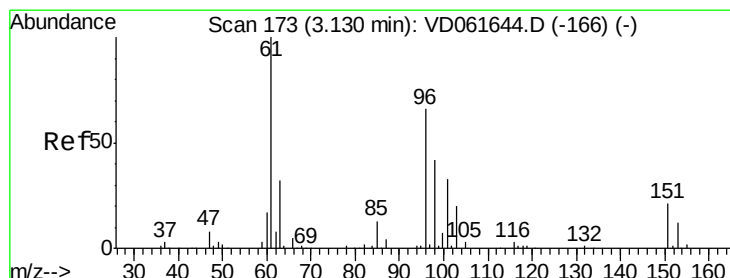
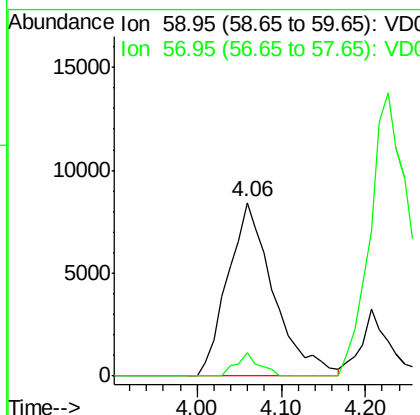
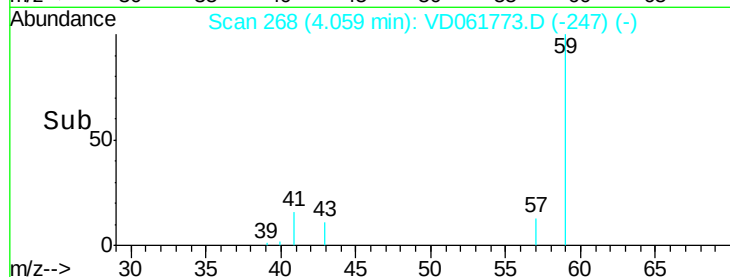
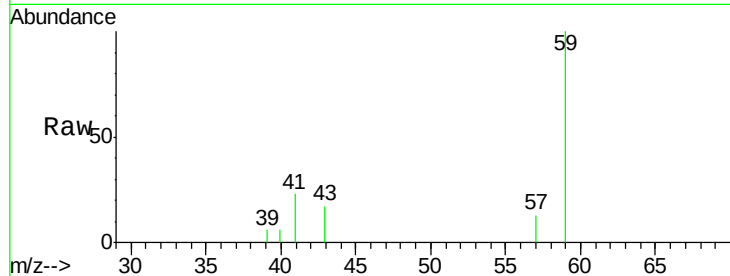


#11

Tert butyl alcohol
Concen: 96.522 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

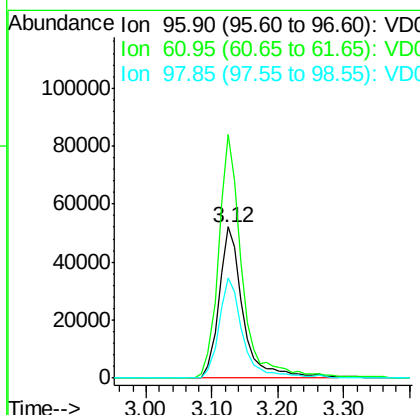
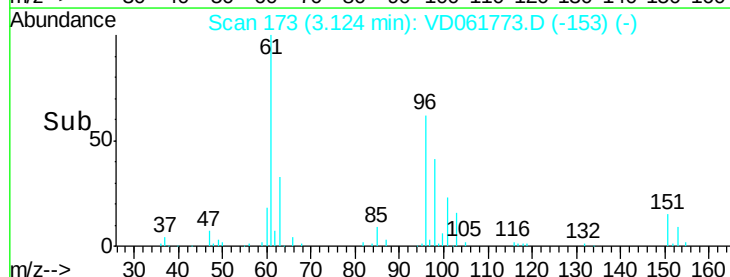
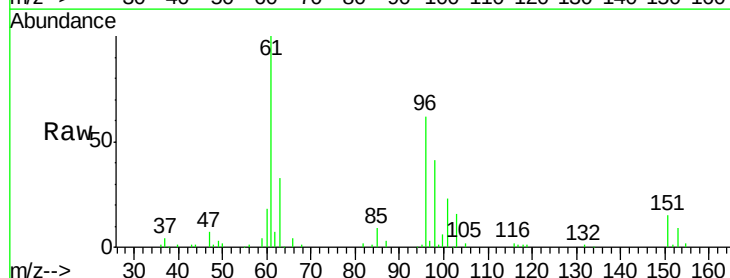
Tot Ion: 59 Resp: 32020
Ion Ratio Lower Upper
59 100
57 13.3 8.4 12.6#

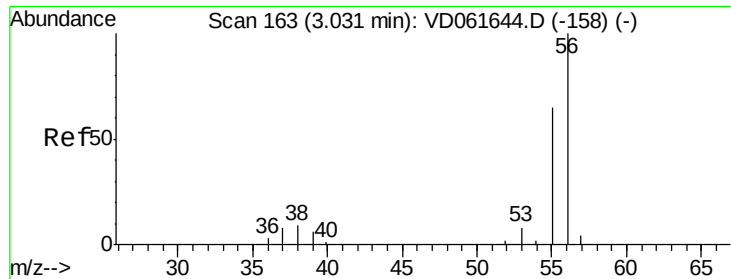


#12

1,1-Dichloroethene
Concen: 19.455 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Tgt Ion: 96 Resp: 132446
Ion Ratio Lower Upper
96 100
61 161.0 121.3 181.9
98 66.2 50.6 76.0





#13

Acrolein

Concen: 64.785 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

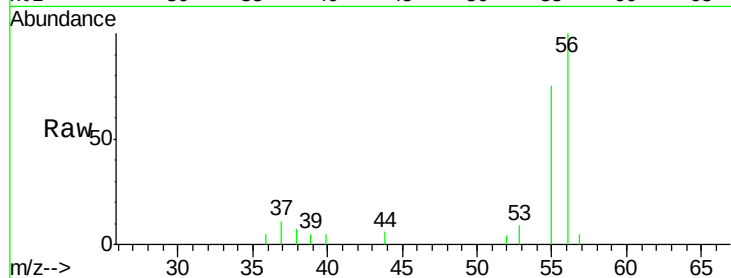
VD0412SBS01

Tot Ion: 56 Resp: 26203

Ion Ratio Lower Upper

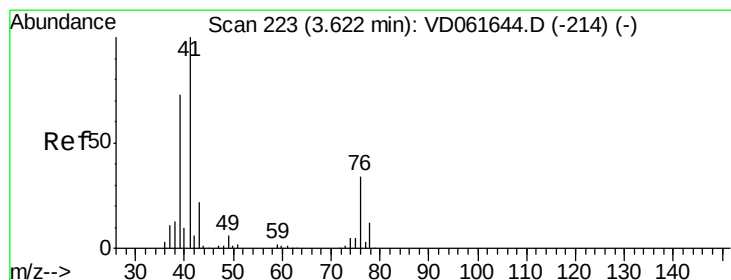
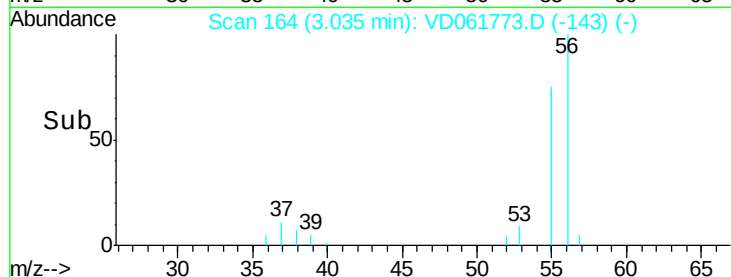
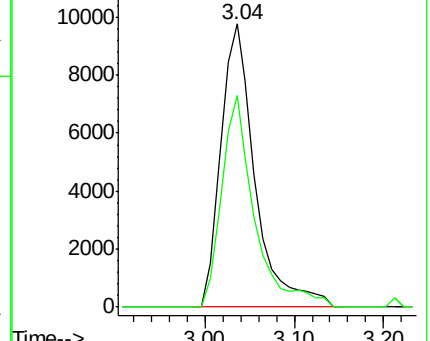
56 100

55 75.0 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.739 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

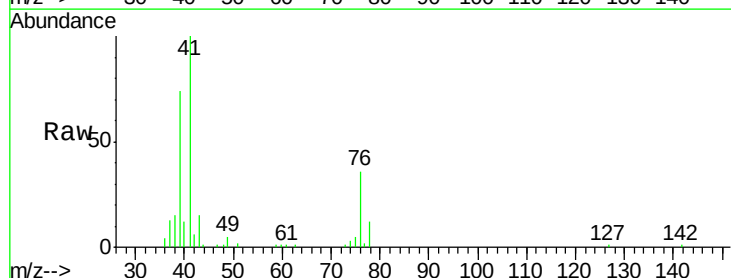
Tgt Ion: 41 Resp: 173997

Ion Ratio Lower Upper

41 100

39 74.3 58.2 87.4

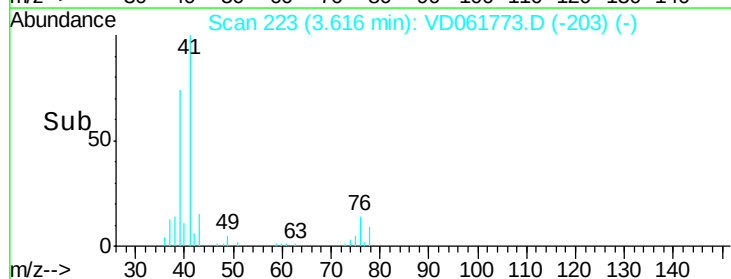
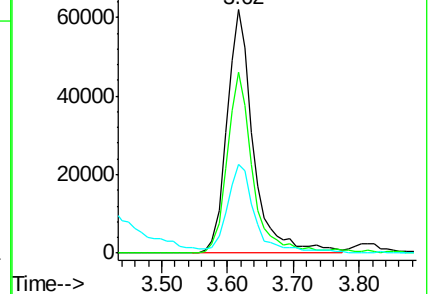
76 36.2 29.8 44.6

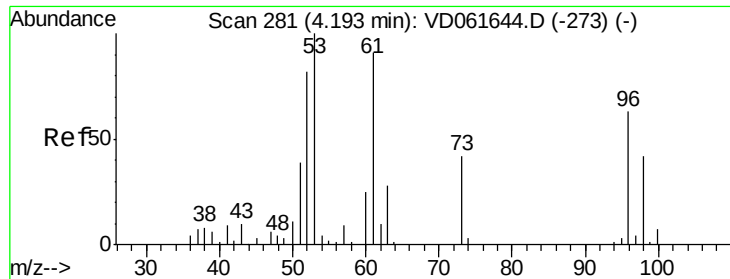


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 96.241 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBS01

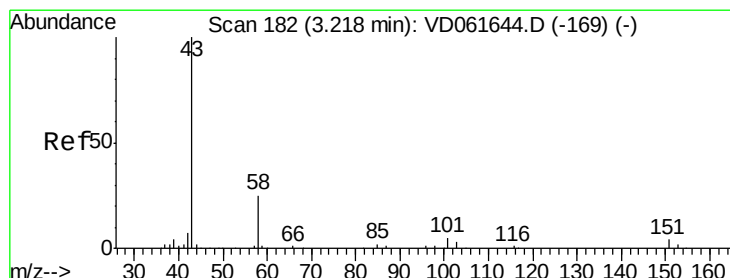
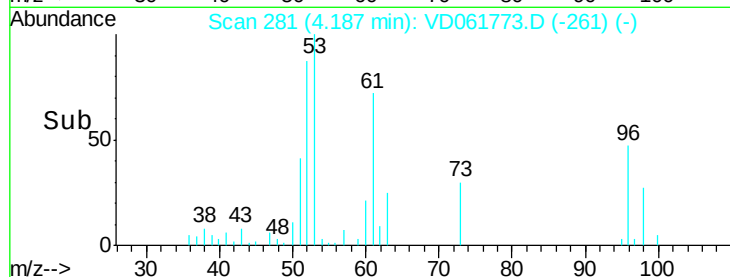
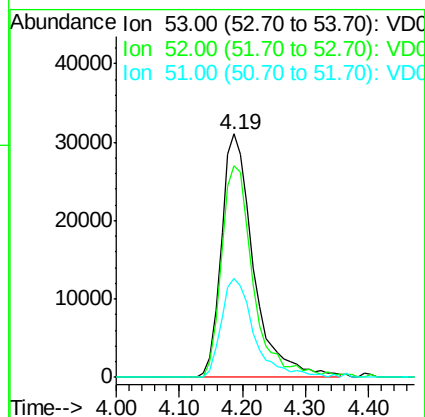
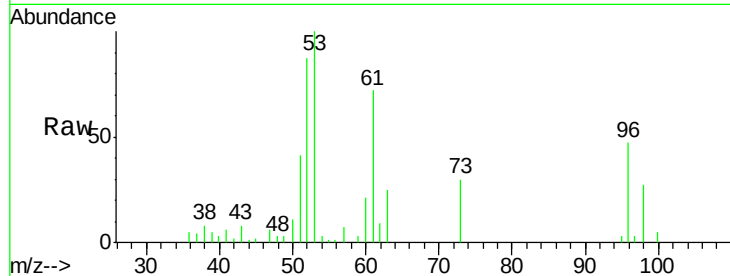
Tot Ion: 53 Resp: 109903

Ion Ratio Lower Upper

53 100

52 87.0 65.9 98.9

51 40.7 31.4 47.2



#16

Acetone

Concen: 92.875 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061773.D

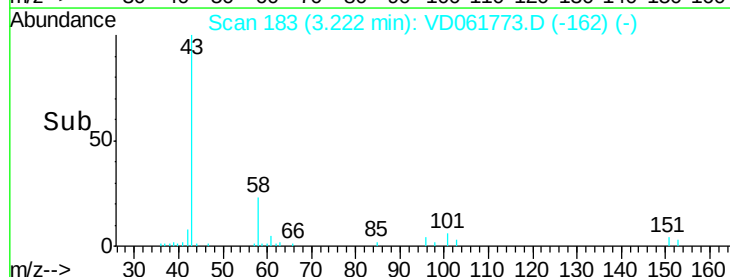
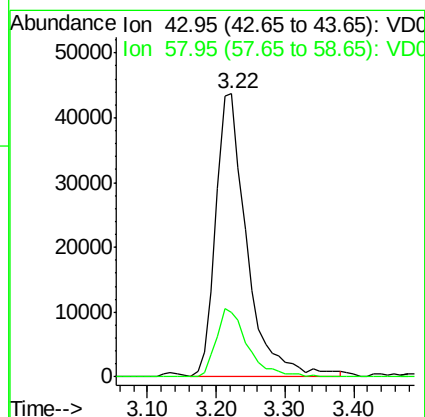
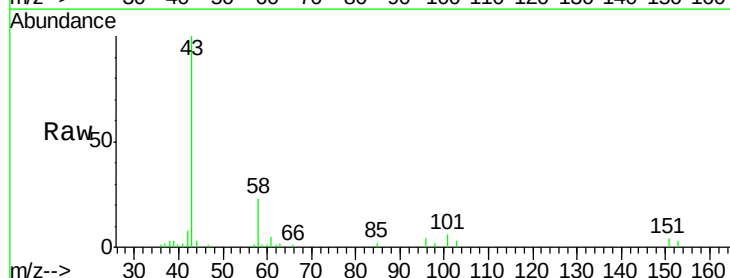
Acq: 12 Apr 2019 12:49

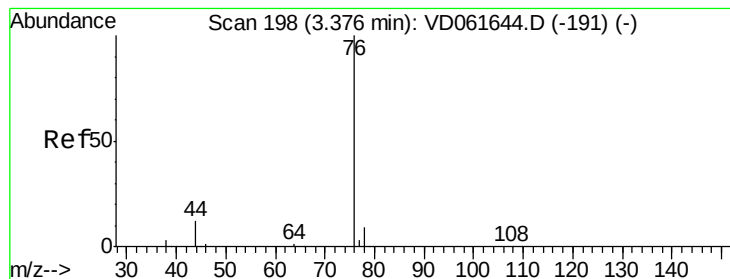
Tgt Ion: 43 Resp: 137427

Ion Ratio Lower Upper

43 100

58 22.9 19.7 29.5





#17

Carbon Disulfide

Concen: 18.718 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

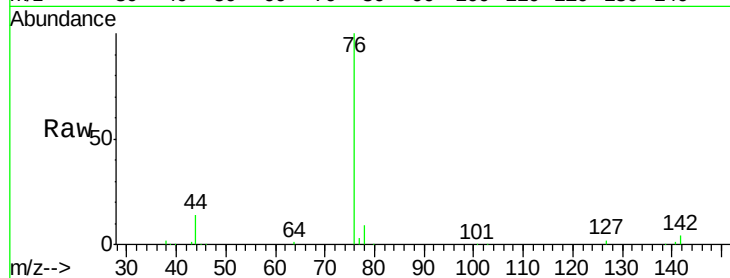
VD0412SBS01

Tot Ion: 76 Resp: 414061

Ion Ratio Lower Upper

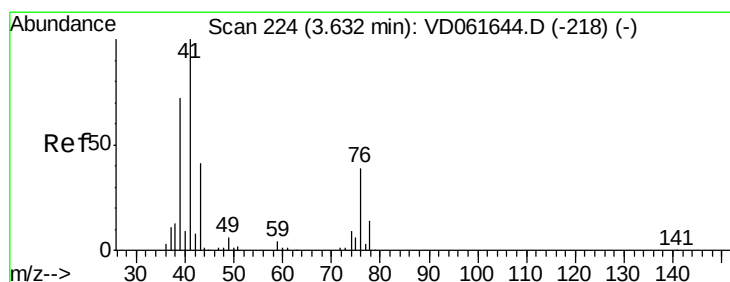
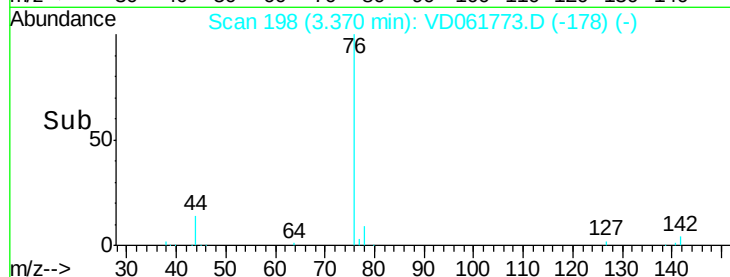
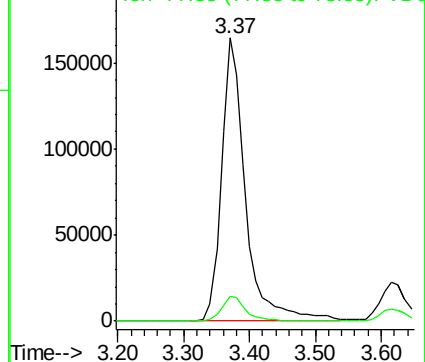
76 100

78 9.0 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: 19.352 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD061773.D

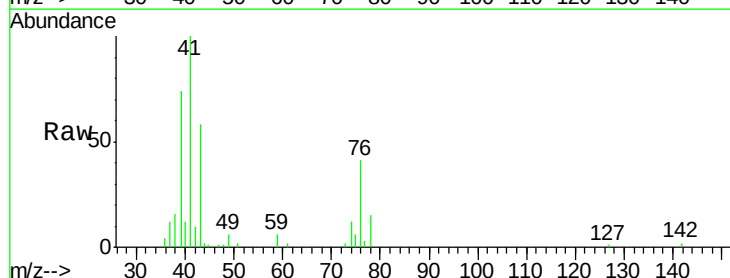
Acq: 12 Apr 2019 12:49

Tgt Ion: 43 Resp: 53875

Ion Ratio Lower Upper

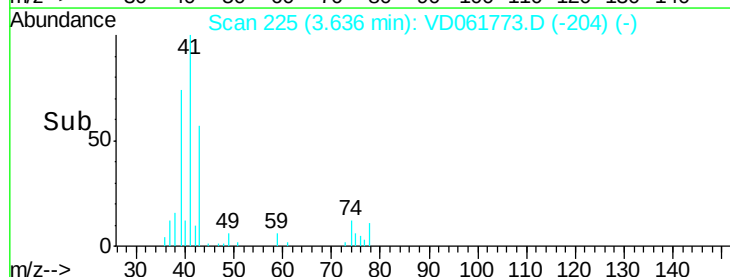
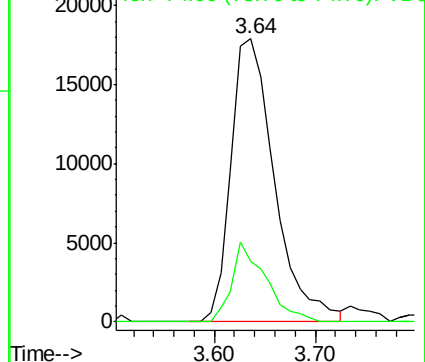
43 100

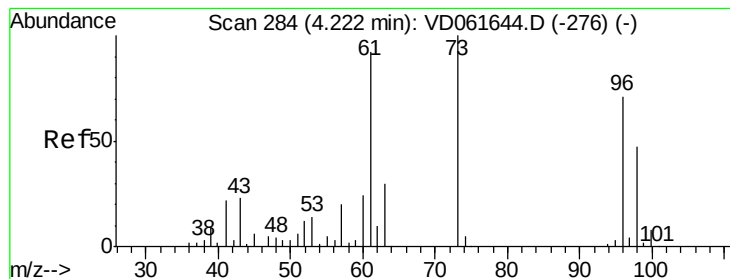
74 21.3 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



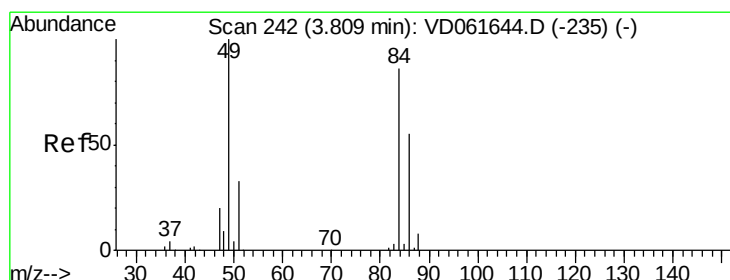
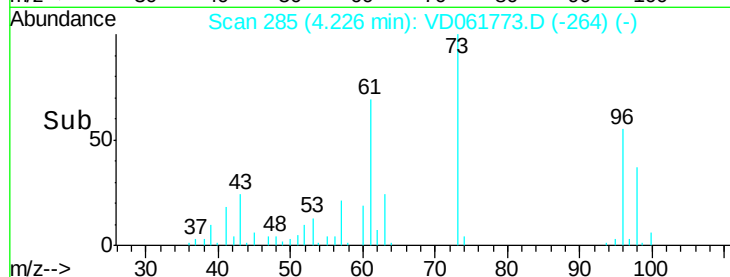
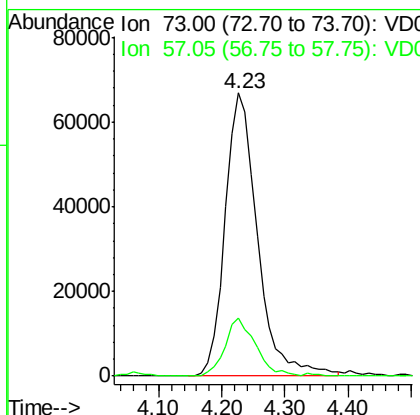
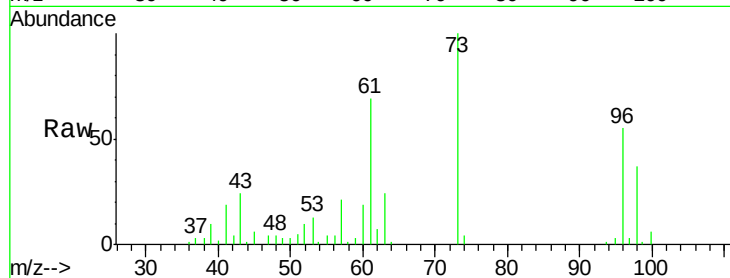


#19

Methyl tert-butyl Ether
 Concen: 20.159 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBS01

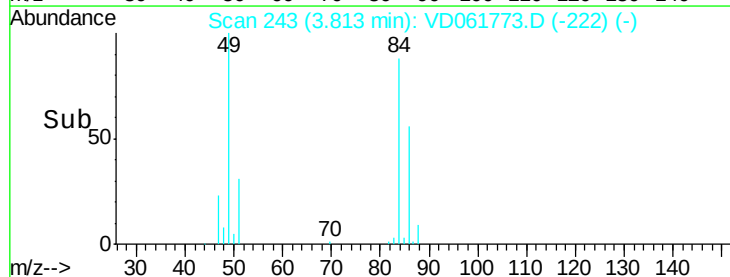
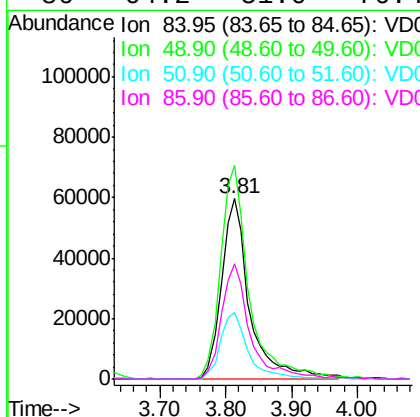
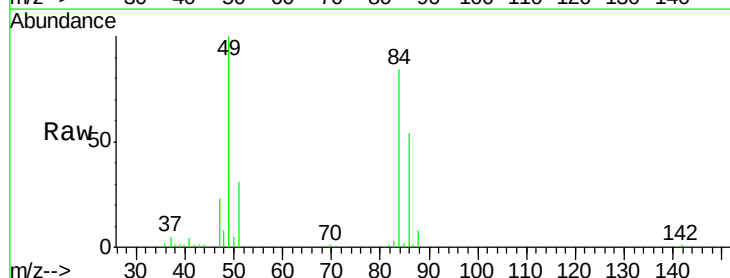
Tot Ion: 73 Resp: 237626
 Ion Ratio Lower Upper
 73 100
 57 20.6 16.0 24.0

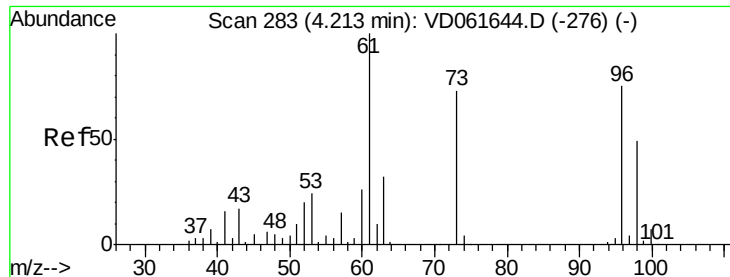


#20

Methylene Chloride
 Concen: 21.140 ug/l
 RT: 3.81 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

Tgt Ion: 84 Resp: 177509
 Ion Ratio Lower Upper
 84 100
 49 118.5 93.0 139.4
 51 36.7 30.4 45.6
 86 64.2 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.840 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.00 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBS01

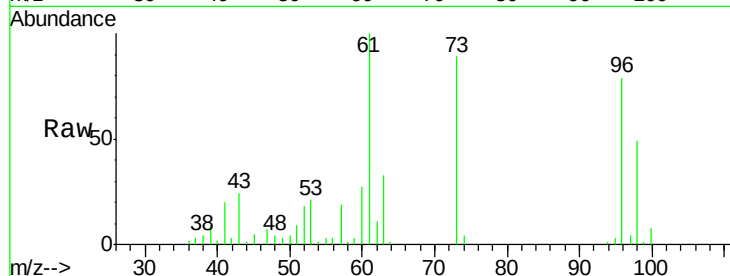
Tot Ion: 96 Resp: 146697

Ion Ratio Lower Upper

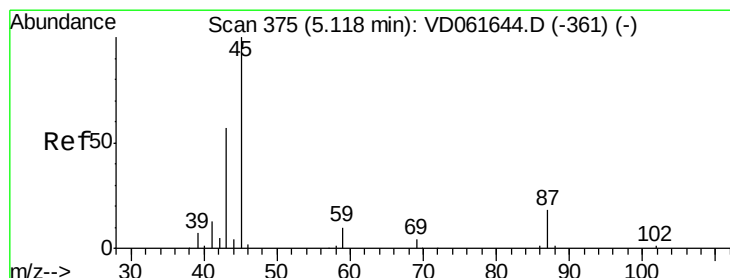
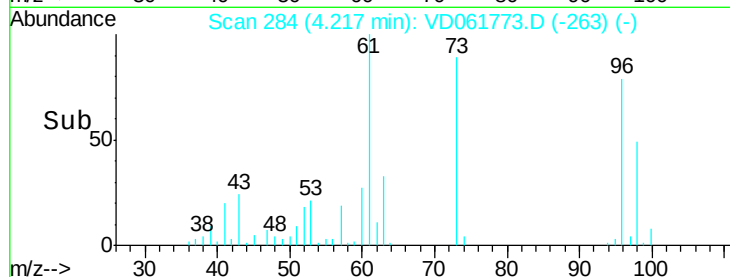
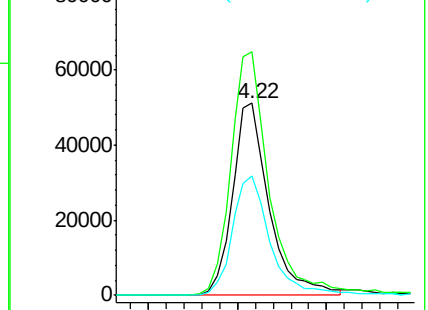
96 100

61 126.6 106.8 160.2

98 62.2 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: 19.651 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Tgt Ion: 45 Resp: 382564

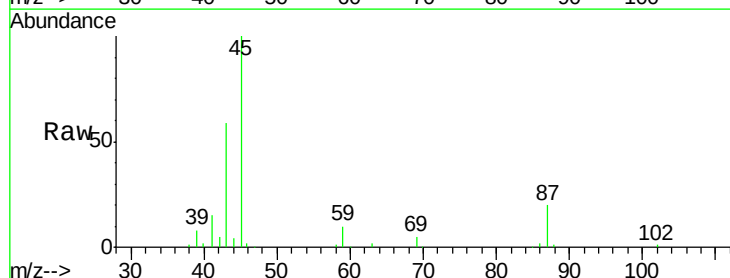
Ion Ratio Lower Upper

45 100

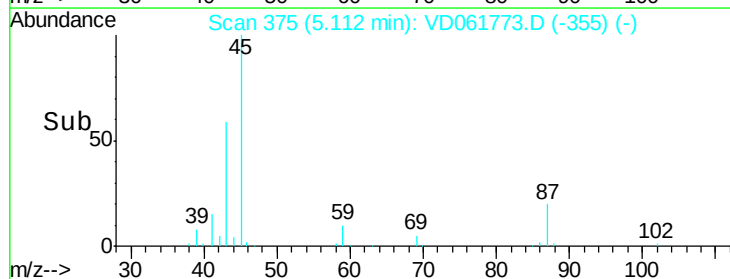
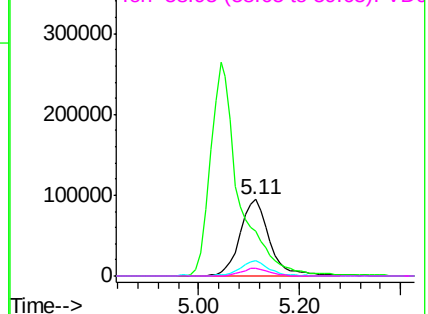
43 59.1 46.6 70.0

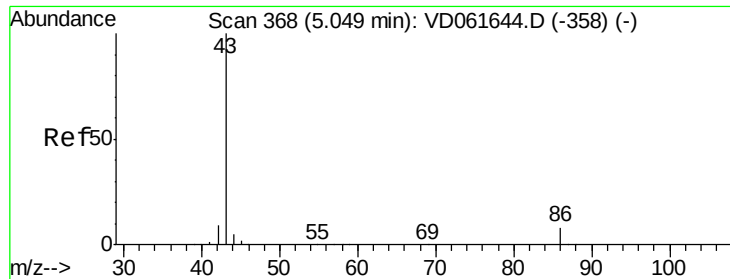
87 20.2 15.6 23.4

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: 96.843 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

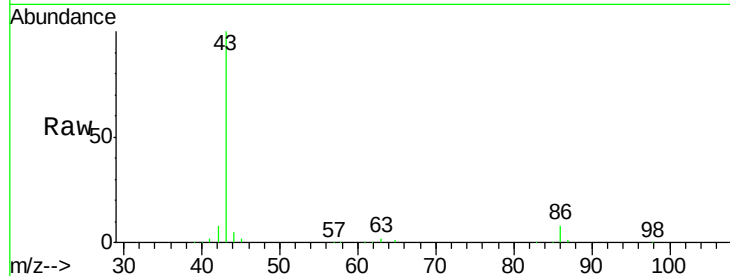
VD0412SBS01

Tot Ion: 43 Resp: 1040260

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

5.04

300000

250000

200000

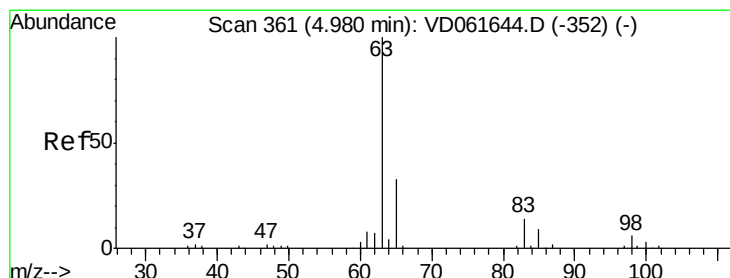
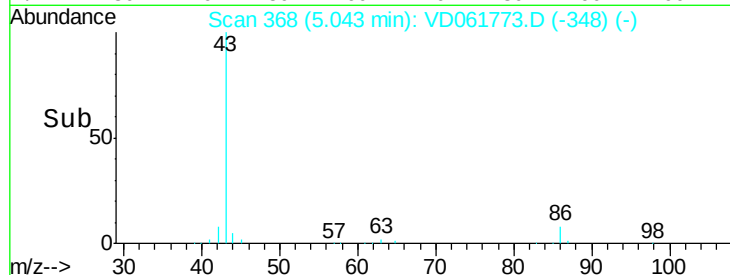
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.127 ug/l

RT: 4.97 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

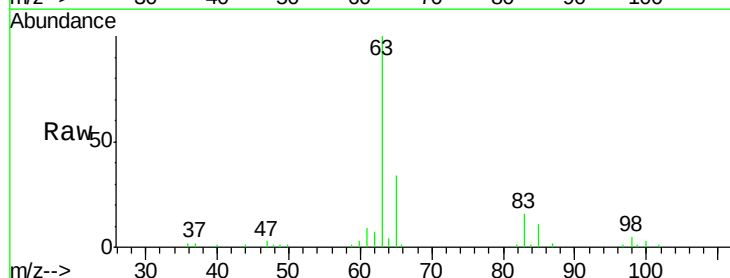
Tgt Ion: 63 Resp: 216250

Ion Ratio Lower Upper

63 100

98 4.6 2.9 8.6

100 3.2 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

4.97

80000

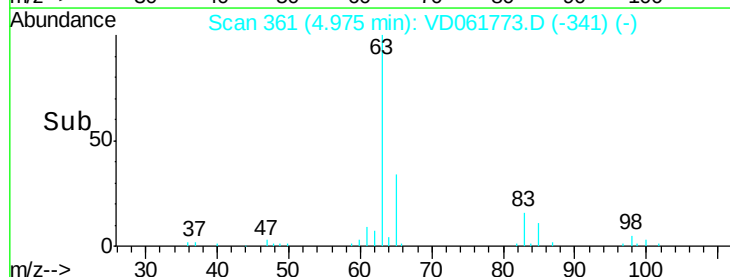
60000

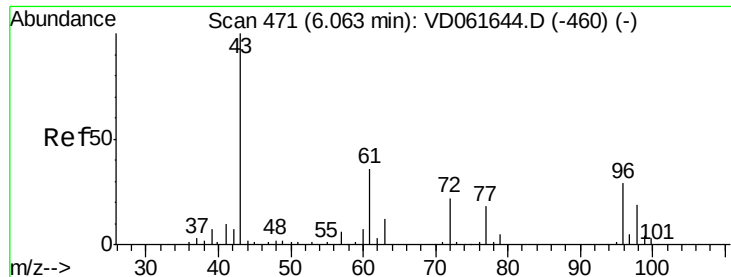
40000

20000

0

Time-->





#25

2-Butanone

Concen: 90.359 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

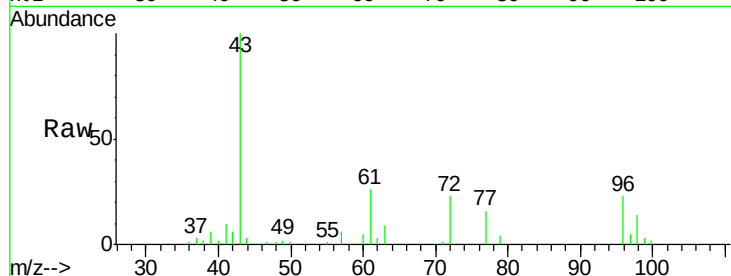
VD0412SBS01

Tot Ion: 43 Resp: 154139

Ion Ratio Lower Upper

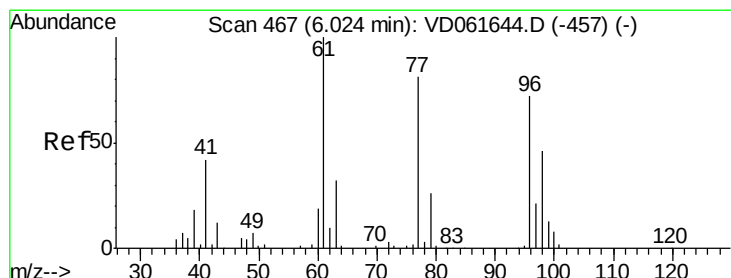
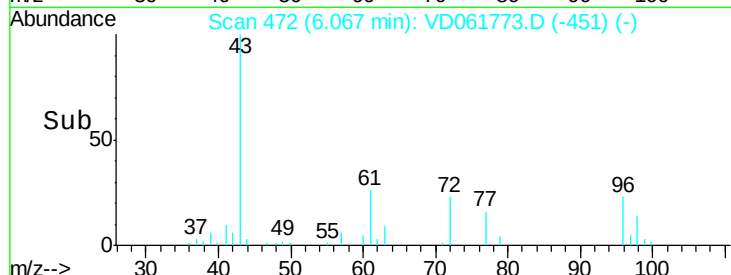
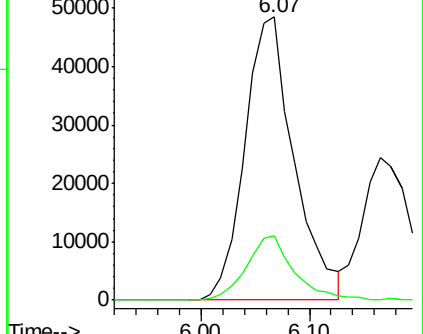
43 100

72 22.6 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: 19.400 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD061773.D

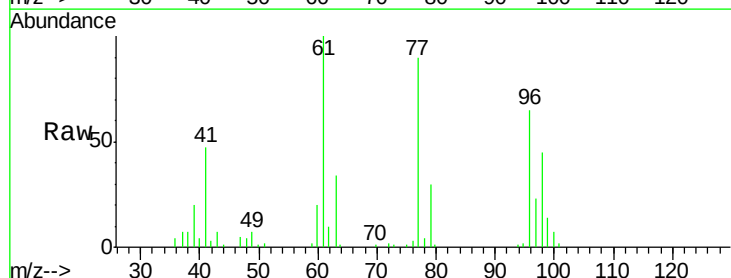
Acq: 12 Apr 2019 12:49

Tgt Ion: 77 Resp: 188444

Ion Ratio Lower Upper

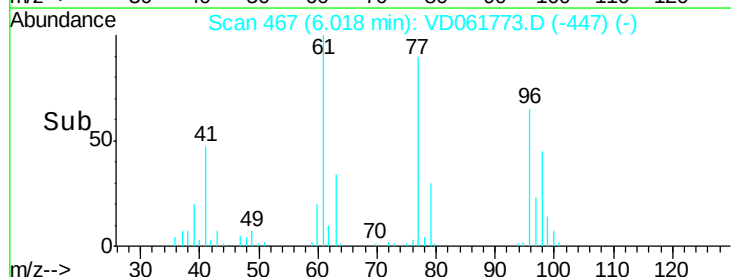
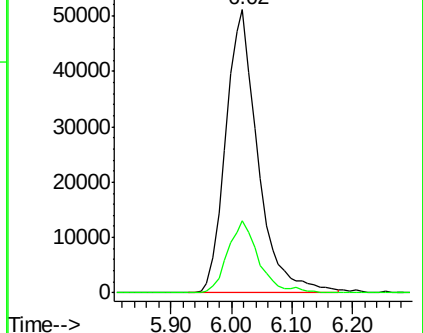
77 100

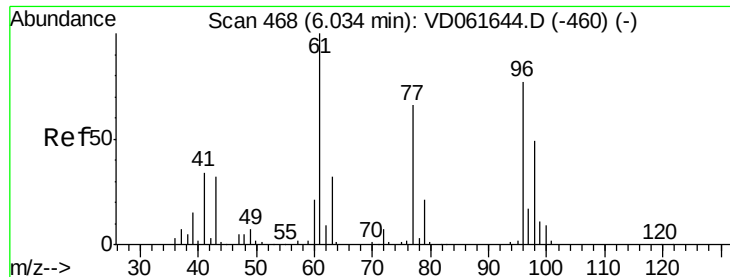
97 25.5 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



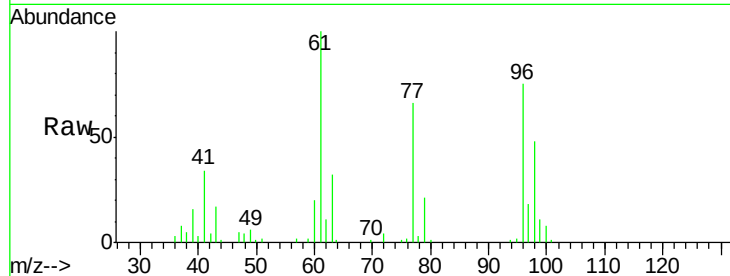


#27

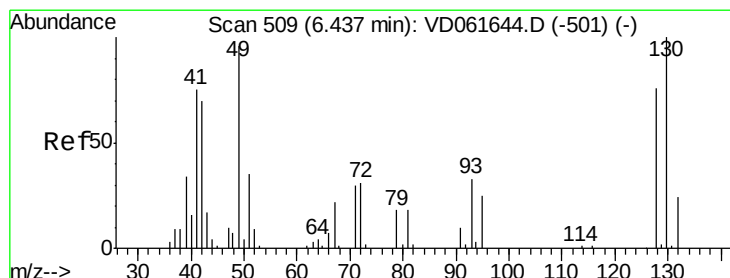
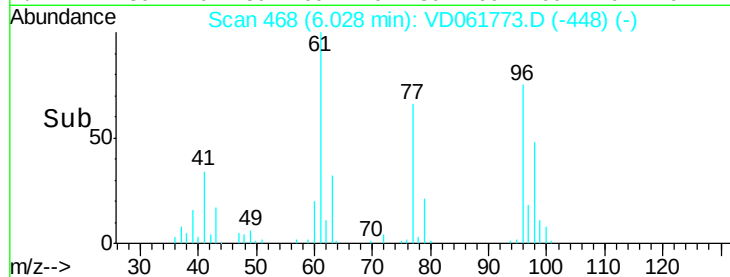
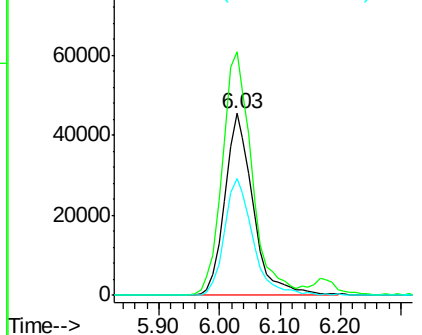
cis-1,2-Dichloroethene
 Concen: 18.693 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBS01

Tot Ion	96	Resp	147453
Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	259.8
98	64.3	0.0	127.6



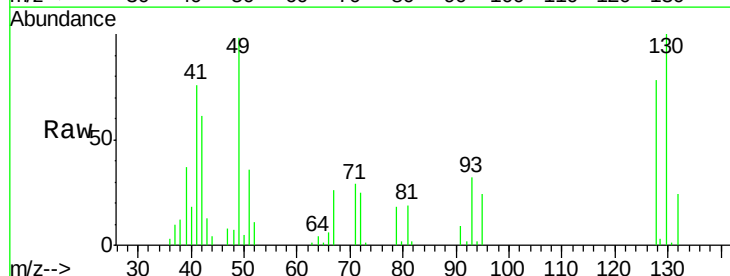
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



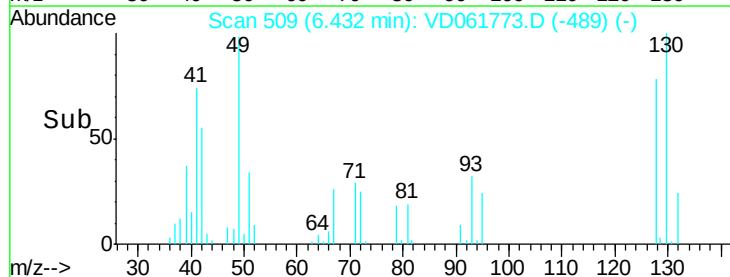
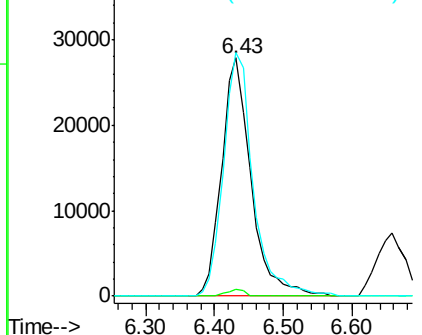
#28

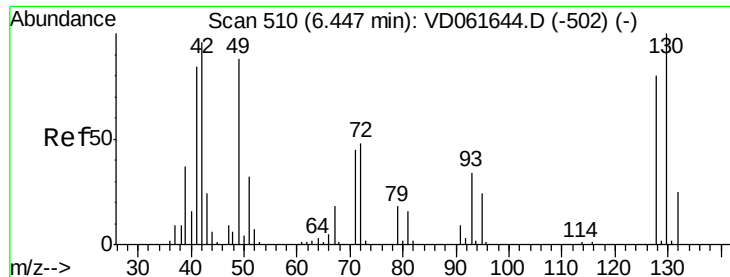
Bromochloromethane
 Concen: 18.773 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

Tgt Ion	49	Resp	82614
Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	4.0
130	102.1	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

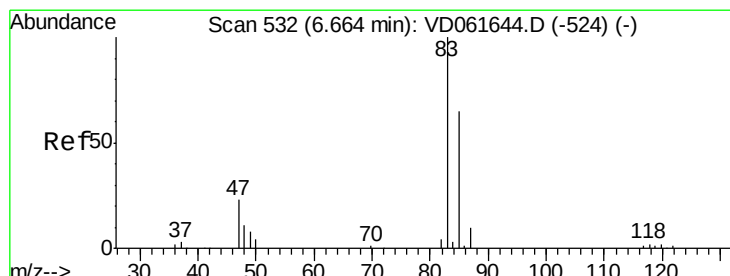
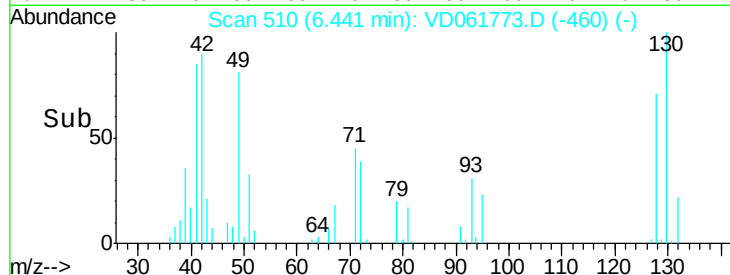
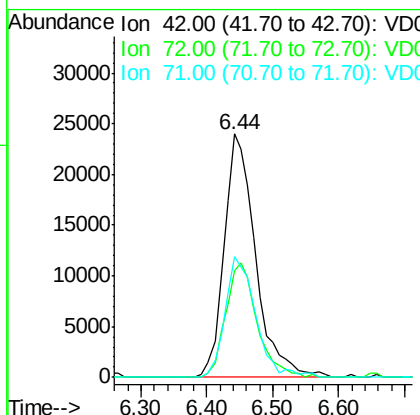
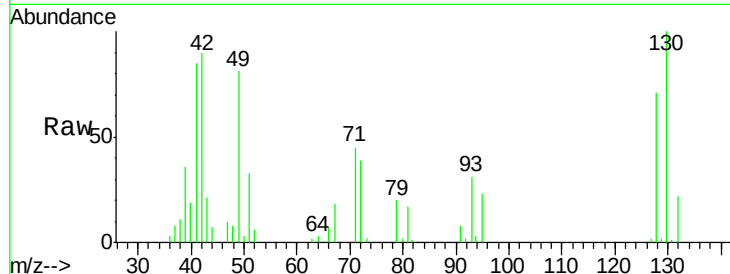




#29
Tetrahydrofuran
Concen: 97.564 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

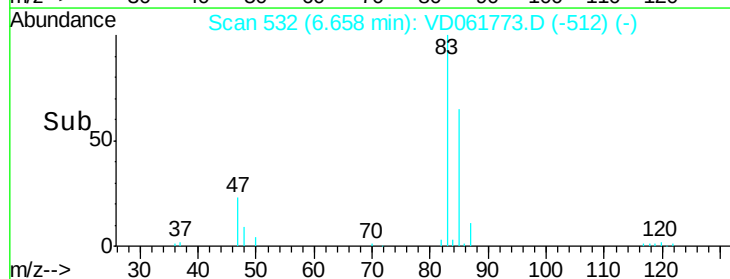
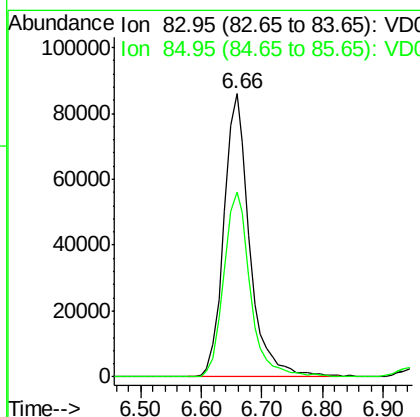
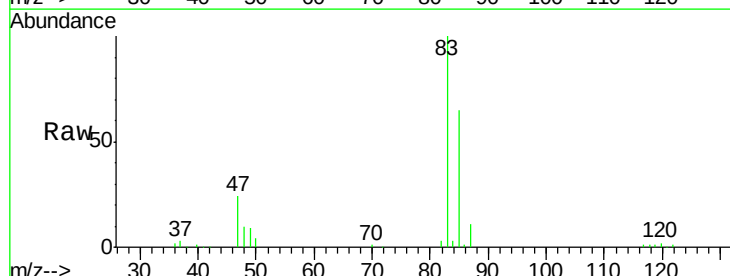
Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

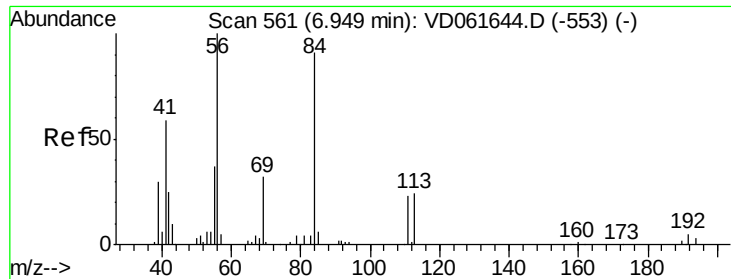
Tot Ion: 42 Resp: 80341
Ion Ratio Lower Upper
42 100
72 46.8 37.0 55.6
71 48.1 36.5 54.7



#30
Chloroform
Concen: 20.295 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Tgt Ion: 83 Resp: 253633
Ion Ratio Lower Upper
83 100
85 65.4 51.9 77.9

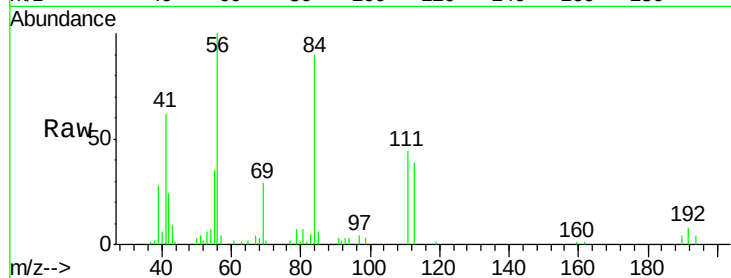




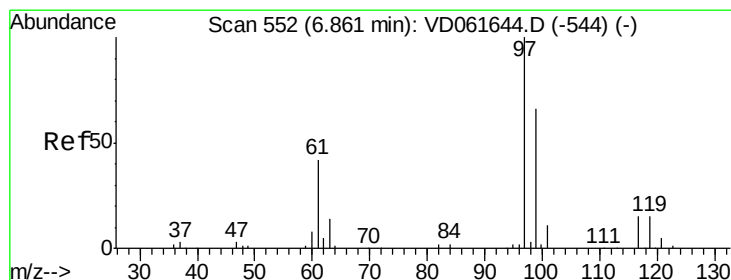
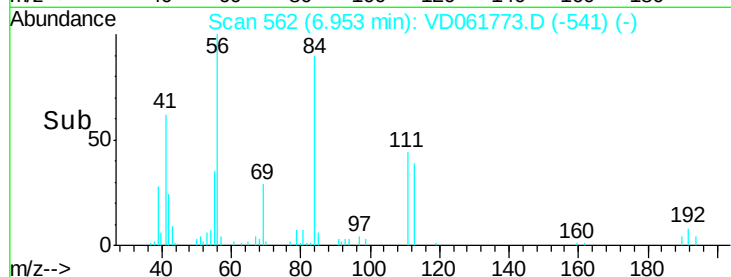
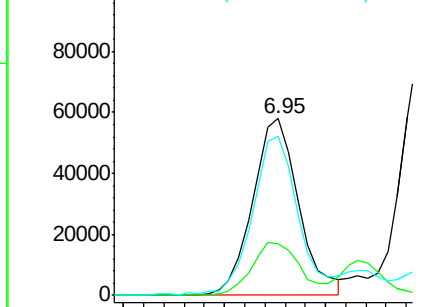
#31
Cyclohexane
Concen: 19.710 ug/l
RT: 6.95 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

Tot Ion: 56 Resp: 183688
Ion Ratio Lower Upper
56 100
69 29.1 25.8 38.6
84 89.9 74.2 111.2

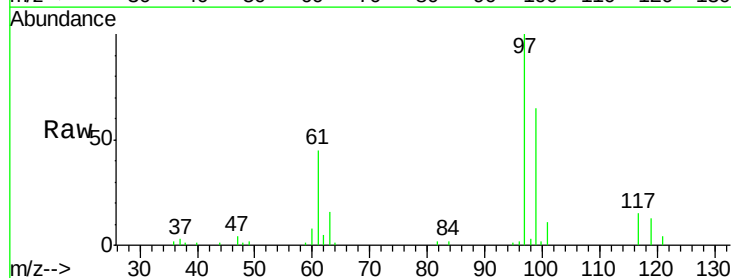


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

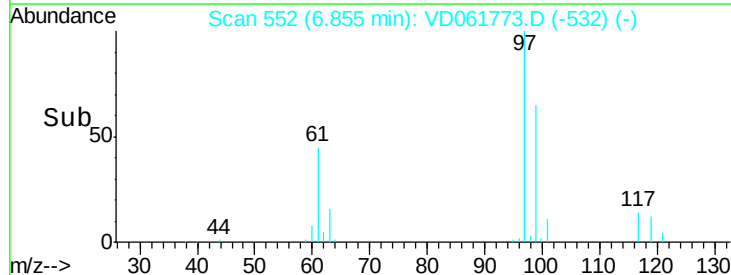
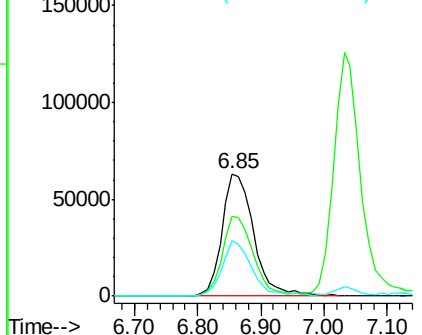


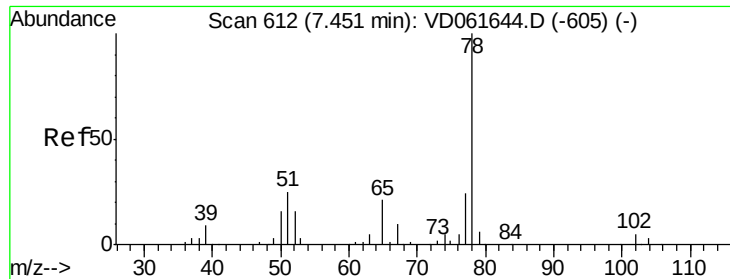
#32
1,1,1-Trichloroethane
Concen: 20.054 ug/l
RT: 6.85 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Tgt Ion: 97 Resp: 219620
Ion Ratio Lower Upper
97 100
99 65.2 52.5 78.7
61 45.3 33.4 50.0



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

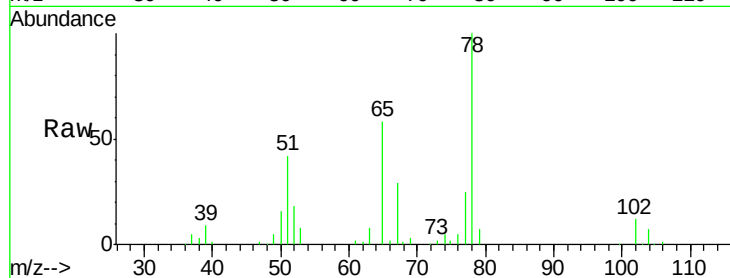




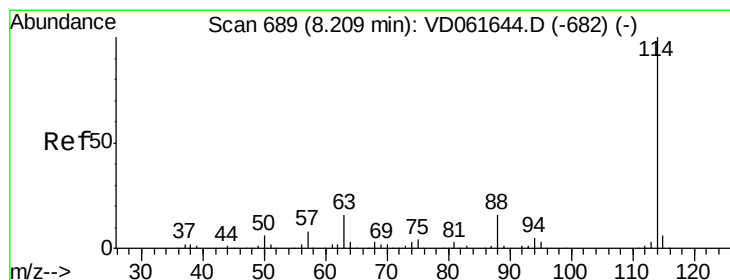
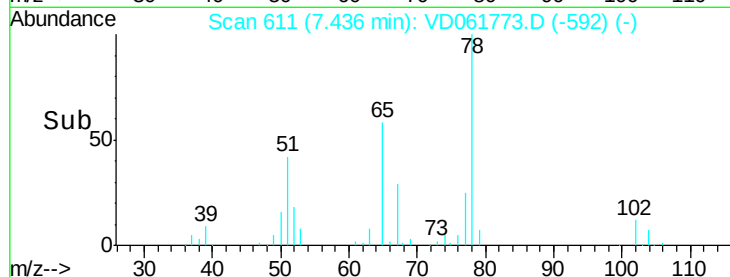
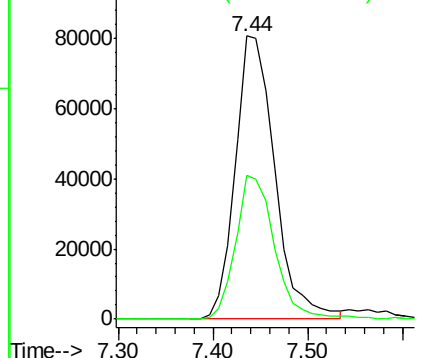
#33
 1,2-Dichloroethane-d4
 Concen: 20.054 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBS01

Tot Ion: 65 Resp: 234033
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 99.4

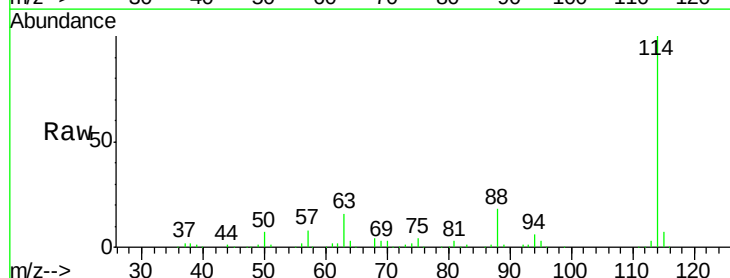


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

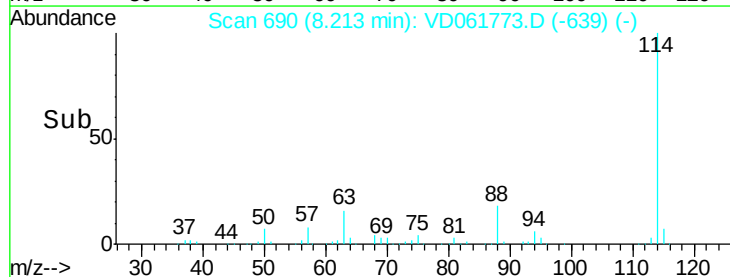
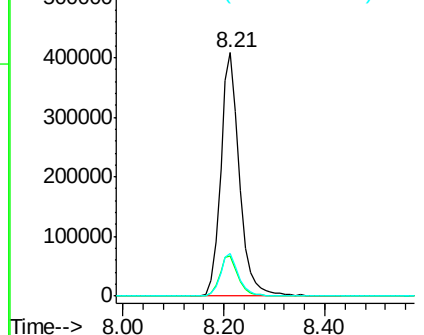


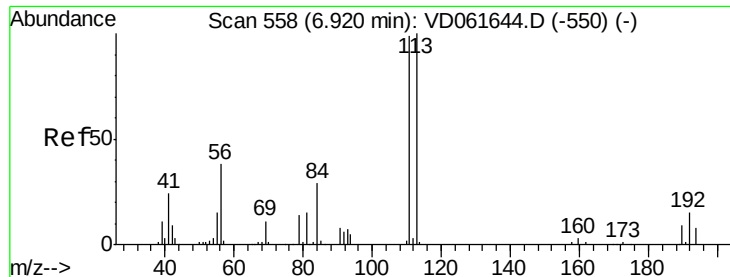
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

Tgt Ion: 114 Resp: 1057221
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 31.2
 88 17.5 0.0 31.8



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBS01

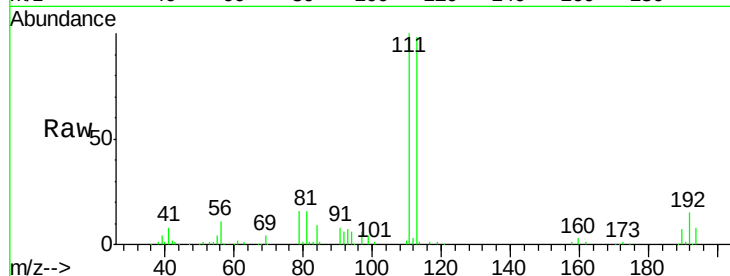
Tot Ion:113 Resp: 342915

Ion Ratio Lower Upper

113 100

111 101.6 79.3 118.9

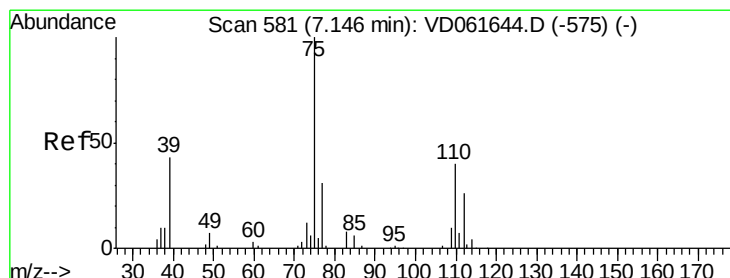
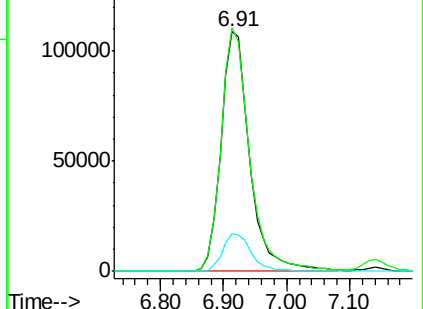
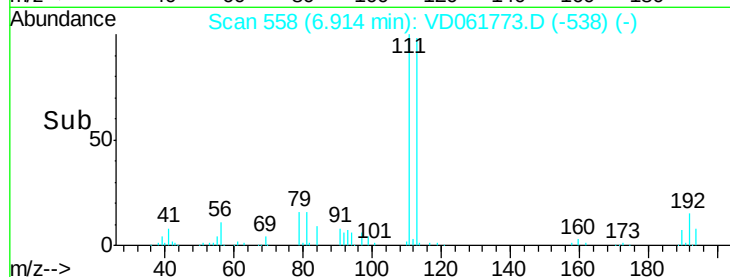
192 15.5 12.3 18.5



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: 21.740 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

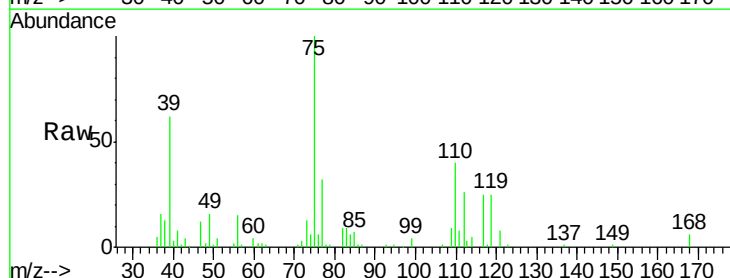
Tgt Ion: 75 Resp: 201151

Ion Ratio Lower Upper

75 100

110 39.5 19.7 59.0

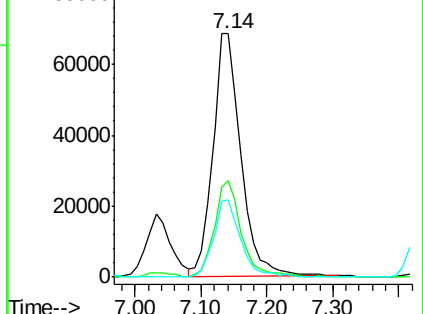
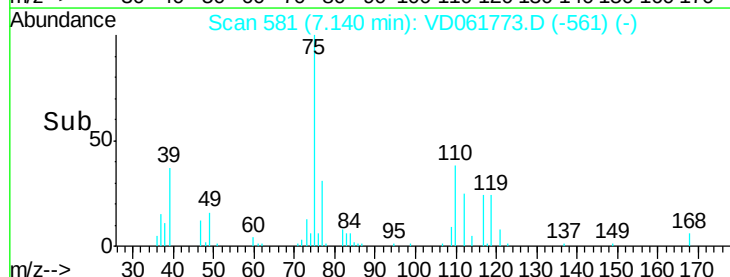
77 31.8 24.8 37.2

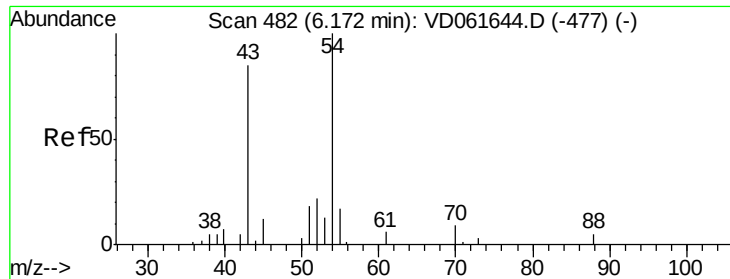


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

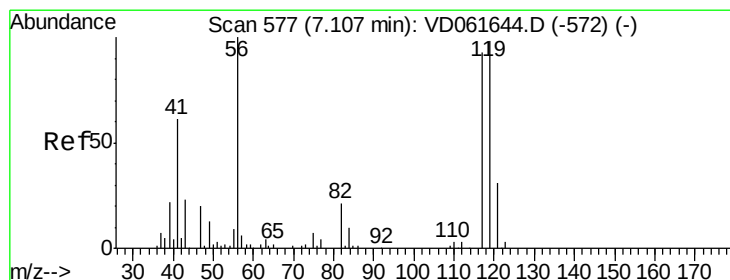
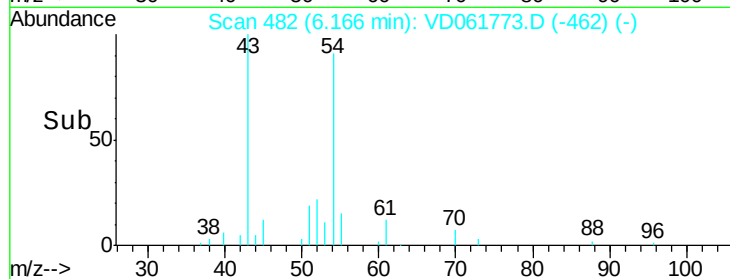
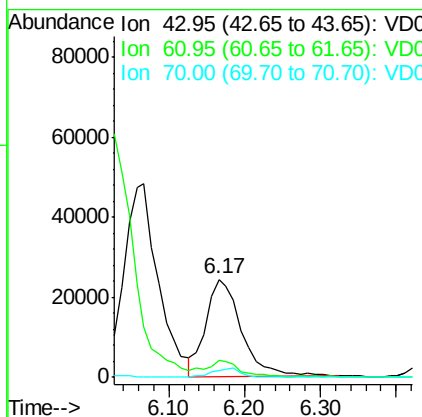
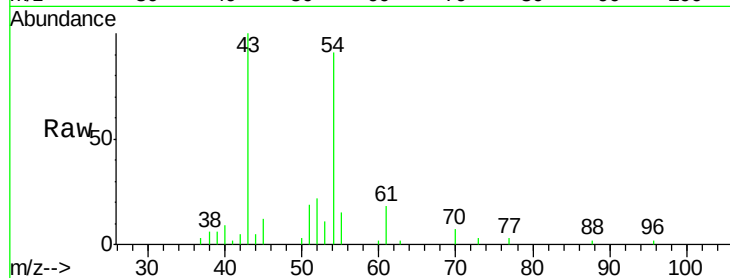




#37
Ethyl Acetate
Concen: 20.980 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

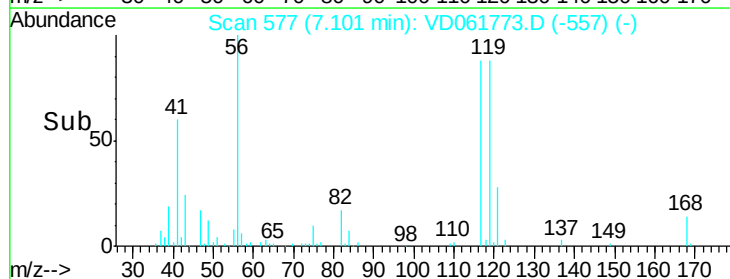
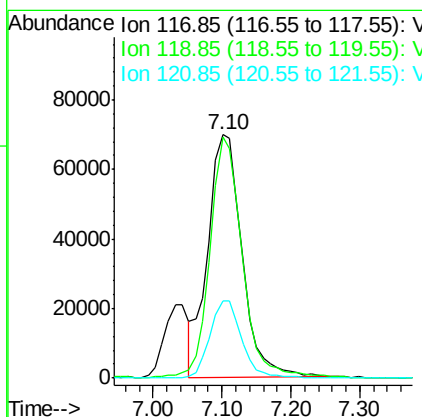
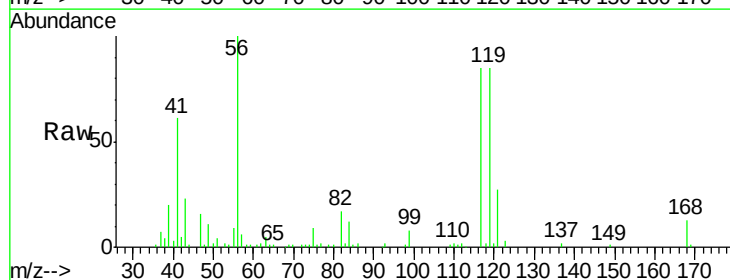
Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

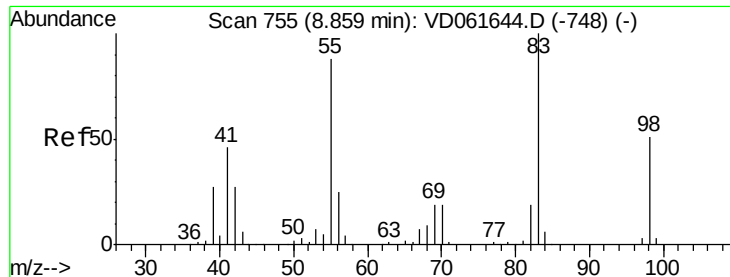
Tot Ion: 43 Resp: 79067
Ion Ratio Lower Upper
43 100
61 17.9 11.9 17.9
70 6.9 6.9 10.3



#38
Carbon Tetrachloride
Concen: 22.313 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Tgt Ion: 117 Resp: 241958
Ion Ratio Lower Upper
117 100
119 99.3 77.9 116.9
121 31.5 24.7 37.1

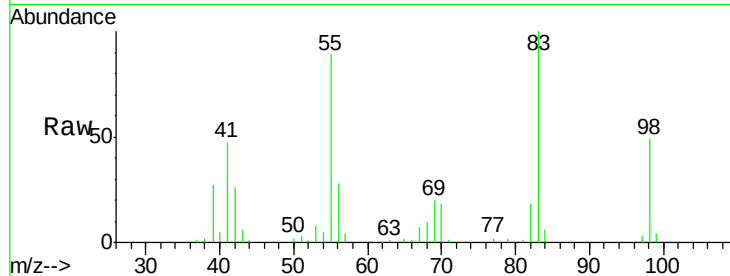




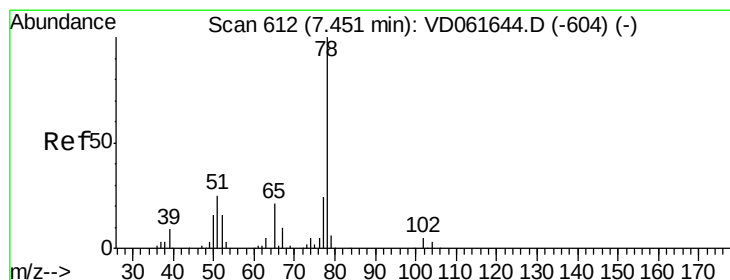
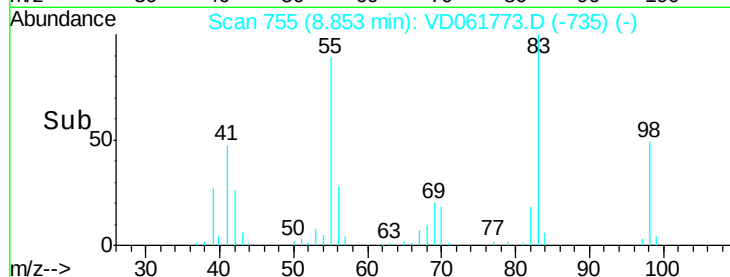
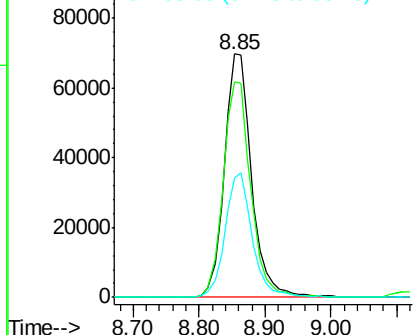
#39
Methylvlcyclohexane
Concen: 21.180 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

Tot Ion: 83 Resp: 201199
Ion Ratio Lower Upper
83 100
55 88.6 70.3 105.5
98 49.0 41.0 61.6

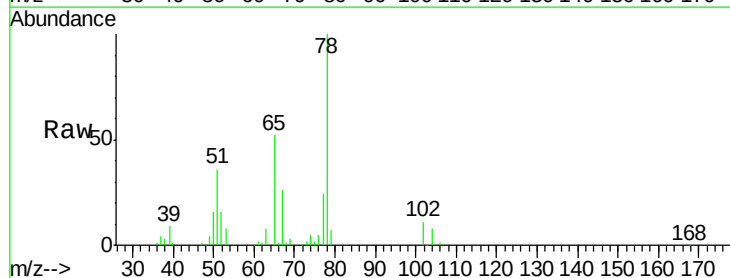


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

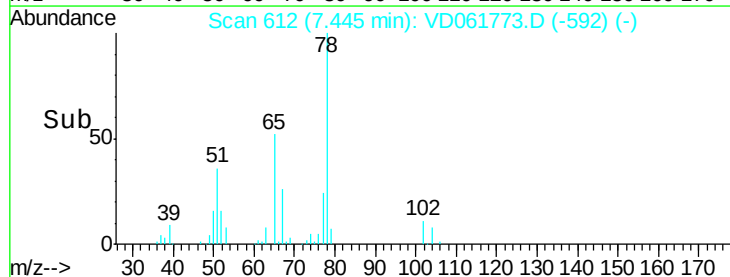
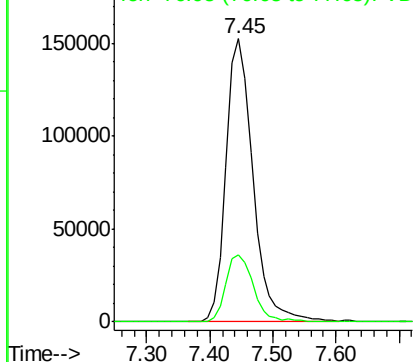


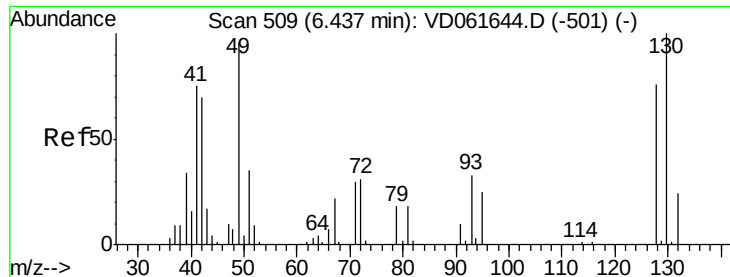
#40
Benzene
Concen: 20.245 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Tgt Ion: 78 Resp: 451910
Ion Ratio Lower Upper
78 100
77 23.9 19.5 29.3



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

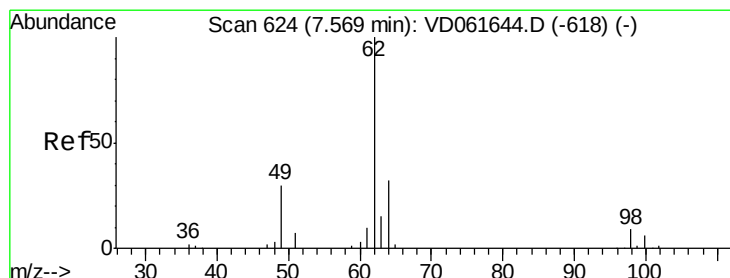
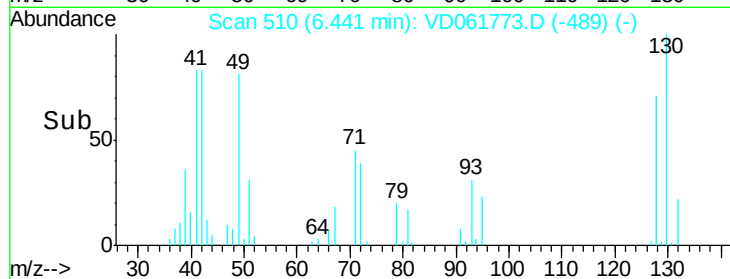
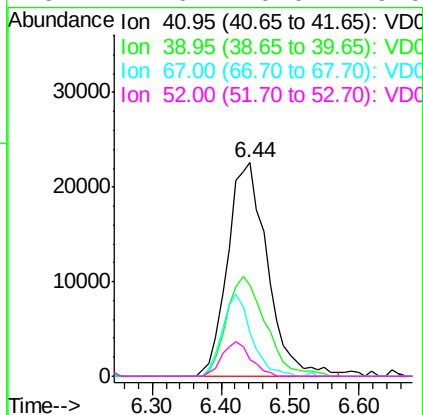
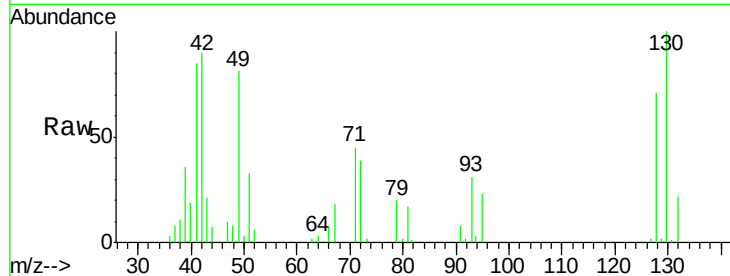




#41
Methacrylonitrile
Concen: 20.555 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

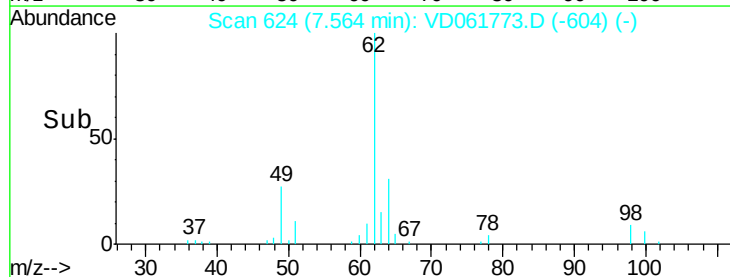
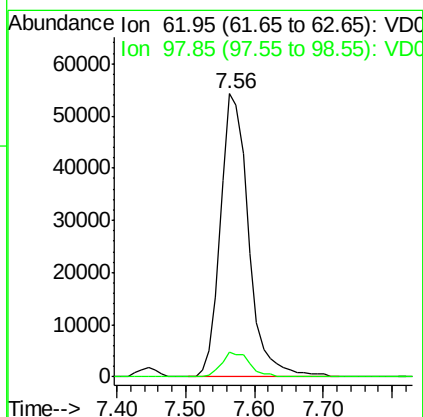
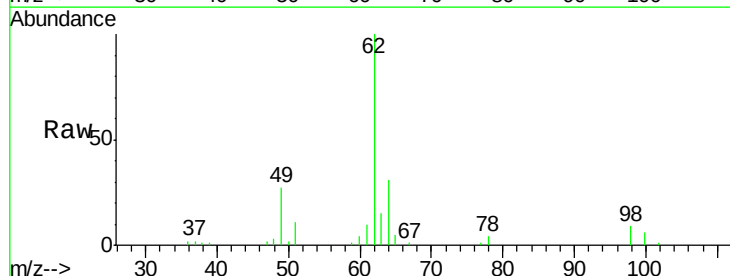
Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

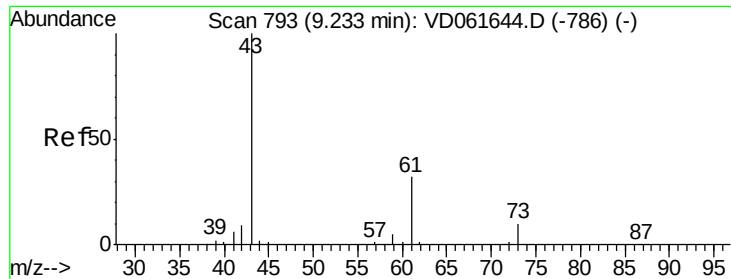
Tot Ion: 41 Resp: 90433
Ion Ratio Lower Upper
41 100
39 42.5 36.2 54.2
67 20.7 23.2 34.8#
52 7.6 10.0 15.0#



#42
1,2-Dichloroethane
Concen: 21.931 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Tgt Ion: 62 Resp: 153957
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.8





#43

Isopropyl Acetate

Concen: 20.983 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBS01

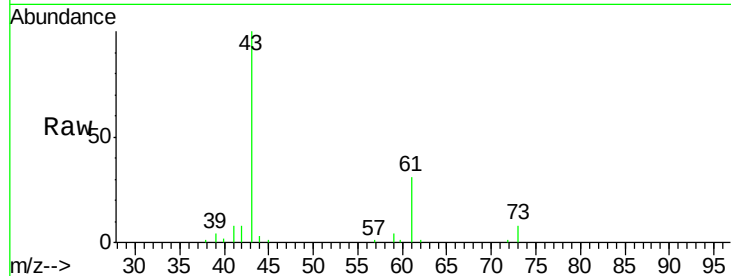
Tot Ion: 43 Resp: 114767

Ion Ratio Lower Upper

43 100

61 31.0 25.9 38.9

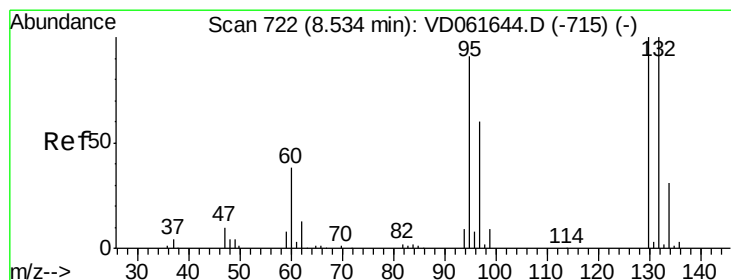
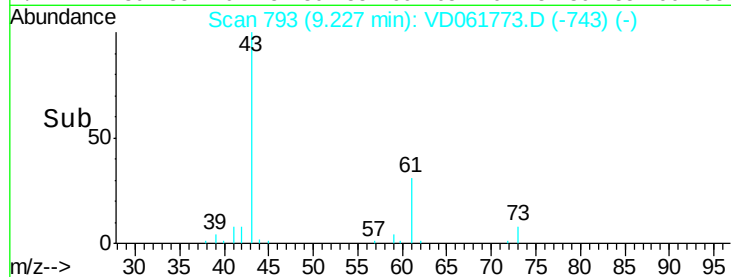
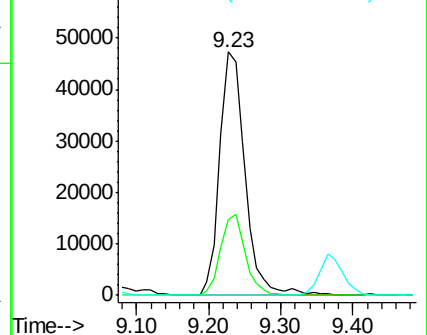
87 0.0 0.2 0.4#



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: 19.887 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.00 min

Lab File: VD061773.D

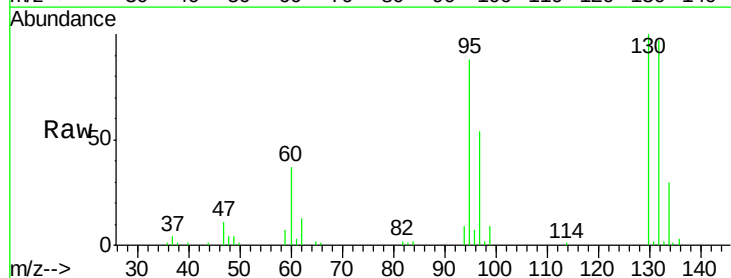
Acq: 12 Apr 2019 12:49

Tgt Ion:130 Resp: 170185

Ion Ratio Lower Upper

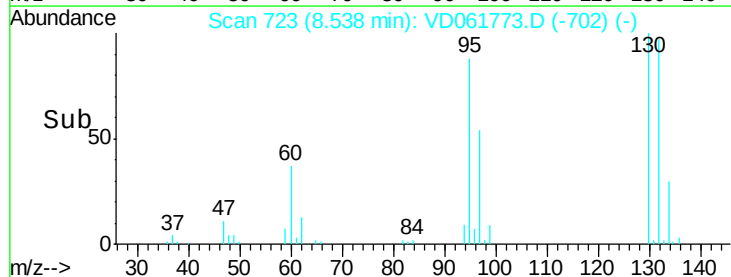
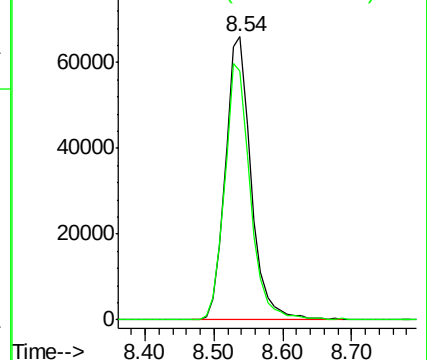
130 100

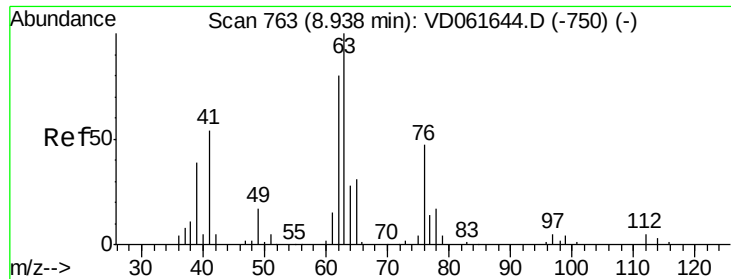
95 87.9 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.294 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

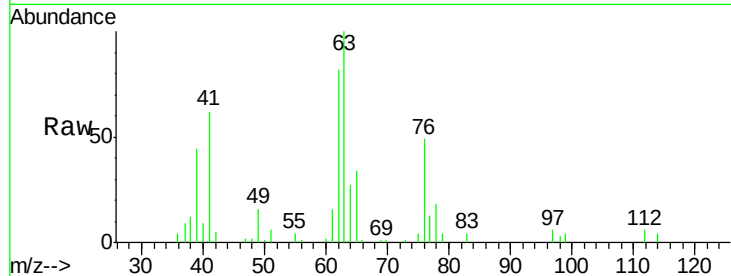
VD0412SBS01

Tot Ion: 63 Resp: 117877

Ion Ratio Lower Upper

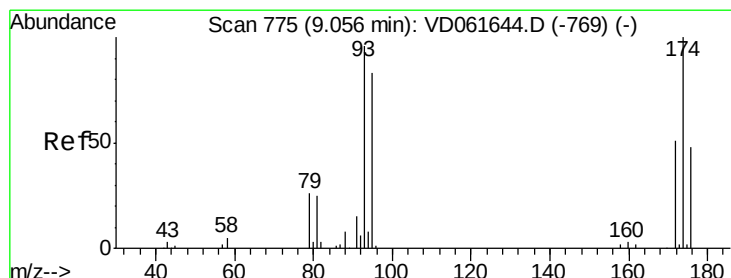
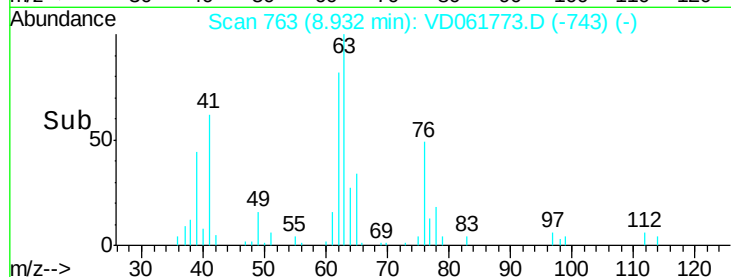
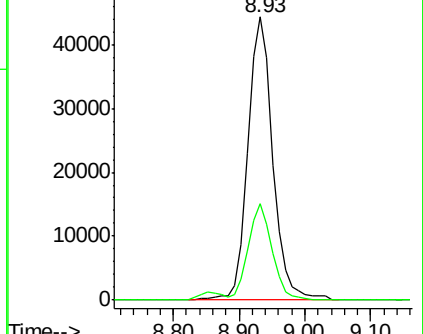
63 100

65 34.0 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.546 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

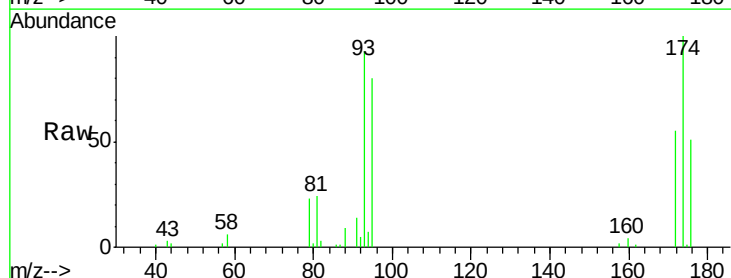
Tgt Ion: 93 Resp: 81286

Ion Ratio Lower Upper

93 100

95 86.5 68.6 103.0

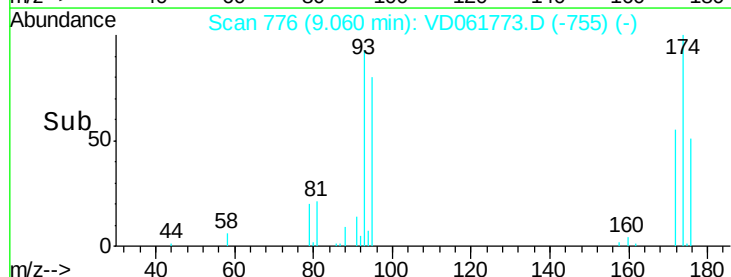
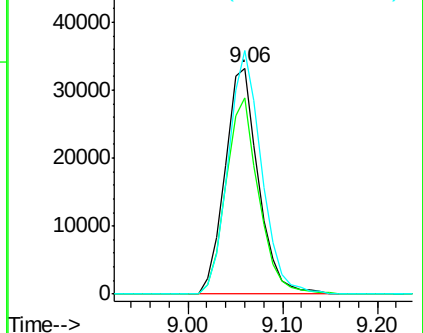
174 107.6 83.0 124.4

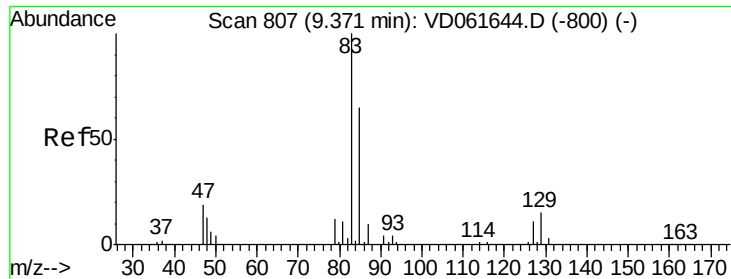


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.433 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBS01

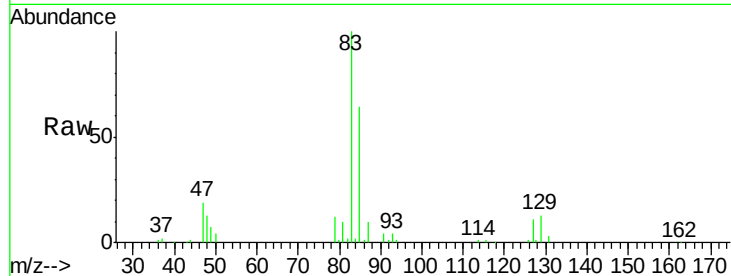
Tot Ion: 83 Resp: 186240

Ion Ratio Lower Upper

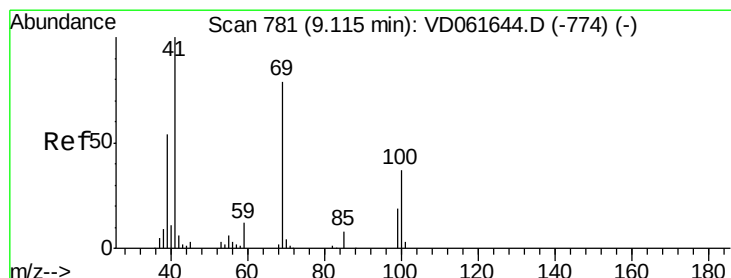
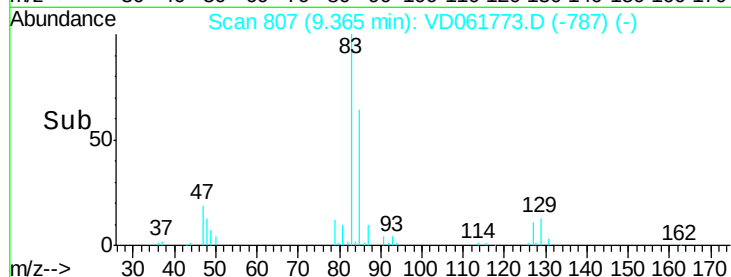
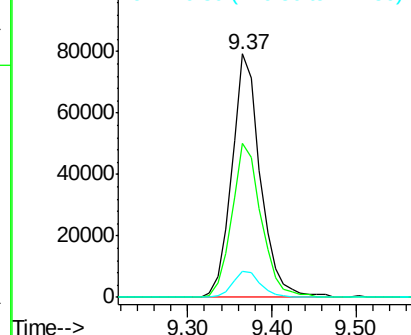
83 100

85 63.5 51.8 77.6

127 10.6 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: 19.291 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

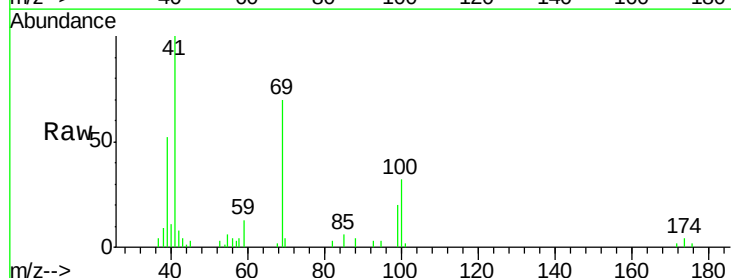
Tgt Ion: 41 Resp: 60822

Ion Ratio Lower Upper

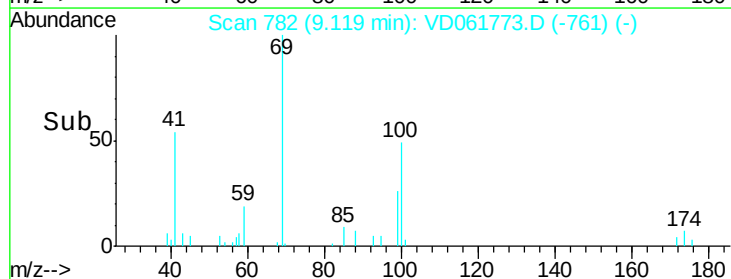
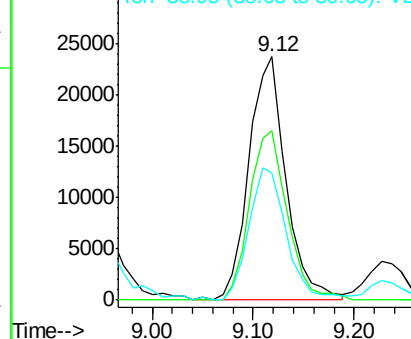
41 100

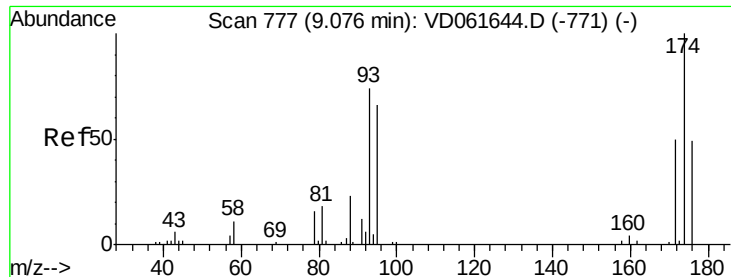
69 69.8 63.1 94.7

39 52.5 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

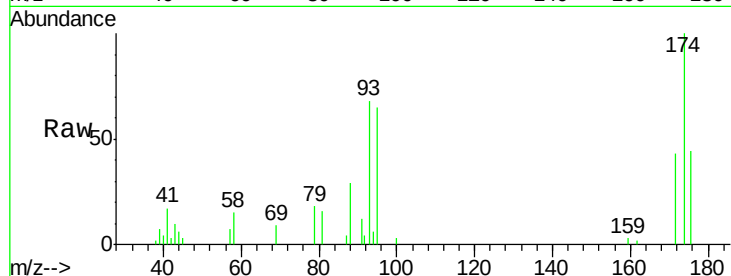




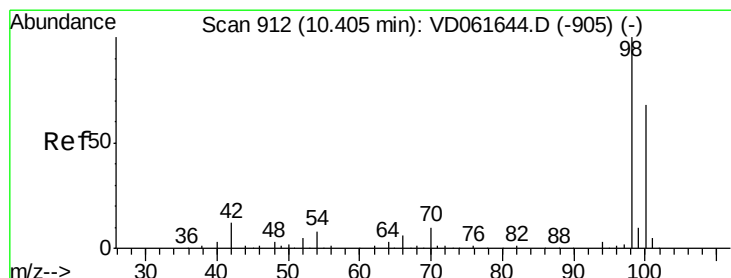
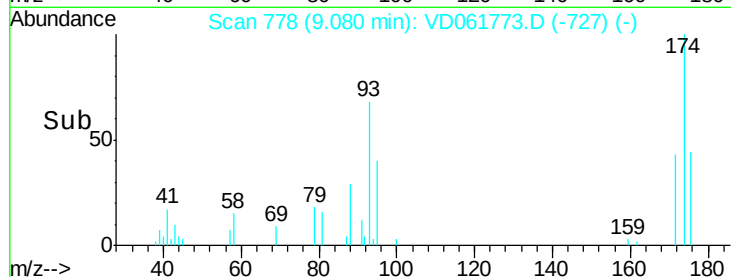
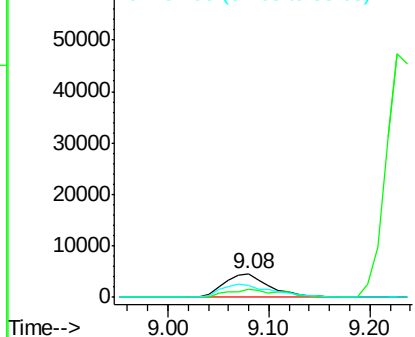
#49
1,4-Dioxane
Concen: 408.384 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.00 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

Tot Ion: 88 Resp: 14212
Ion Ratio Lower Upper
88 100
43 34.3 21.8 32.8#
58 51.8 40.2 60.2

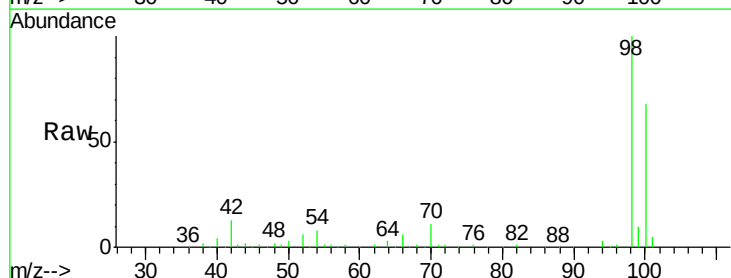


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

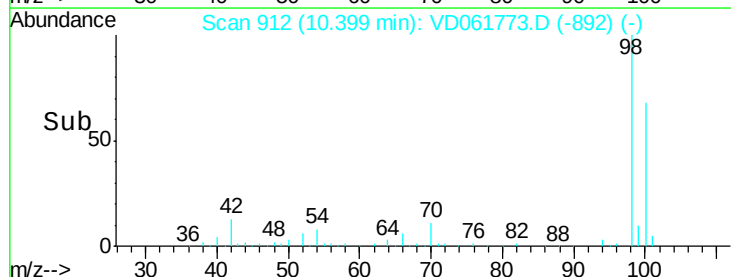
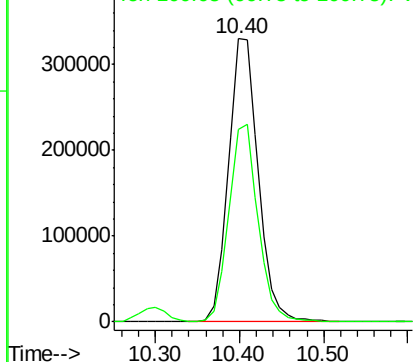


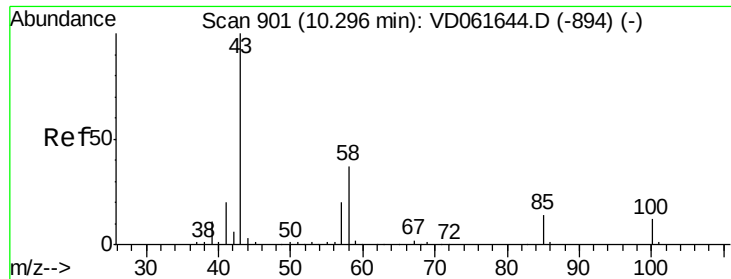
#50
Toluene-d8
Concen: 408.384 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Tgt Ion: 98 Resp: 811409
Ion Ratio Lower Upper
98 100
100 68.2 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: 105.685 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

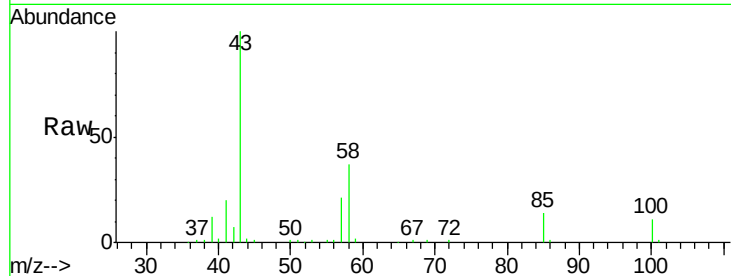
VD0412SBS01

Tot Ion: 43 Resp: 341853

Ion Ratio Lower Upper

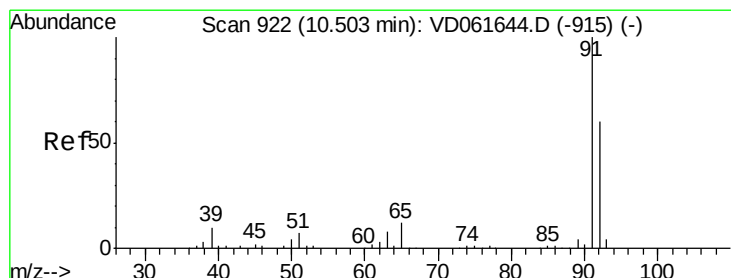
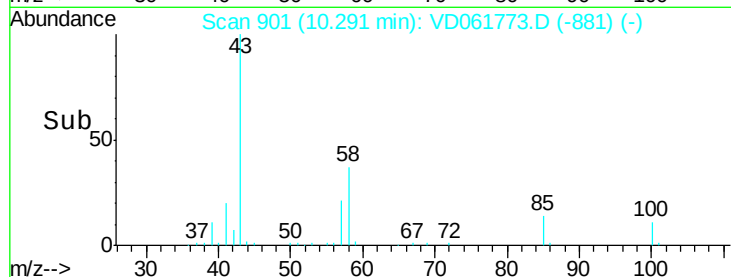
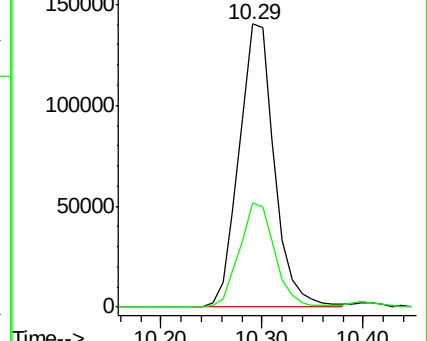
43 100

58 36.9 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: 20.716 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD061773.D

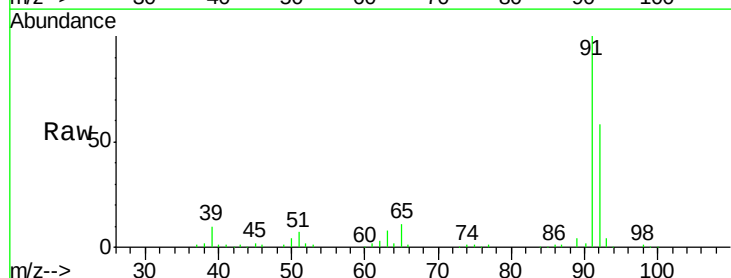
Acq: 12 Apr 2019 12:49

Tgt Ion: 92 Resp: 288750

Ion Ratio Lower Upper

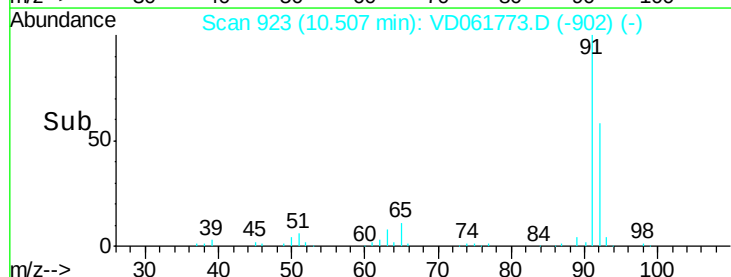
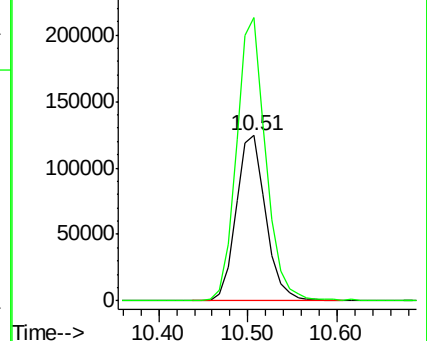
92 100

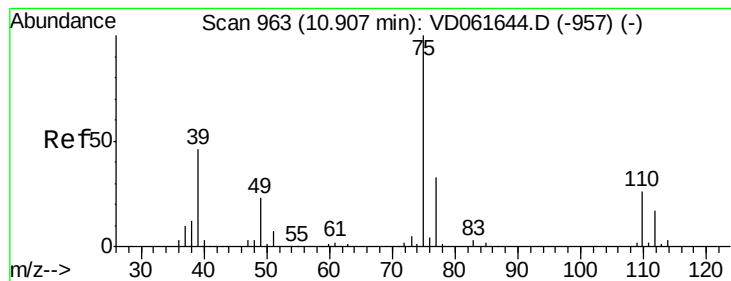
91 171.1 133.0 199.4



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: 22.804 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.00 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

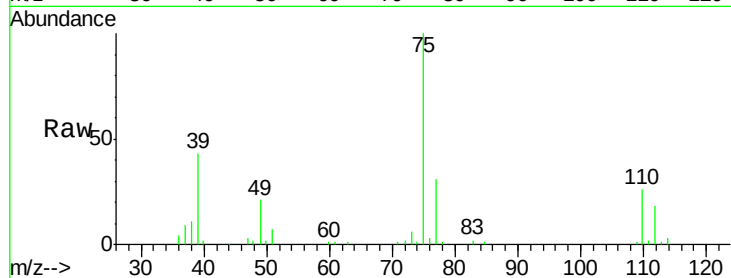
VD0412SBS01

Tot Ion: 75 Resp: 173693

Ion Ratio Lower Upper

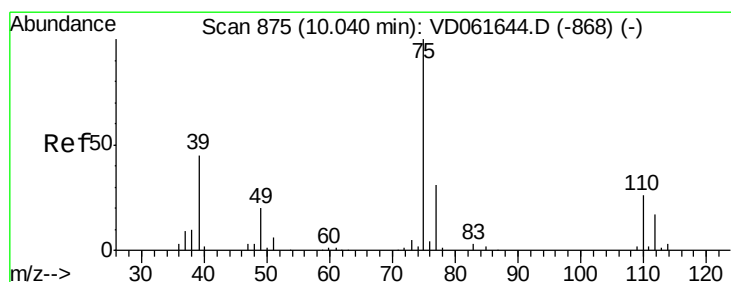
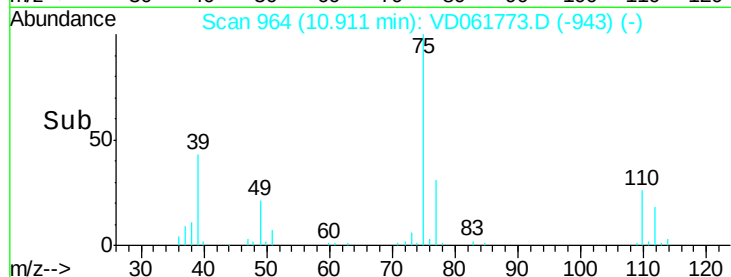
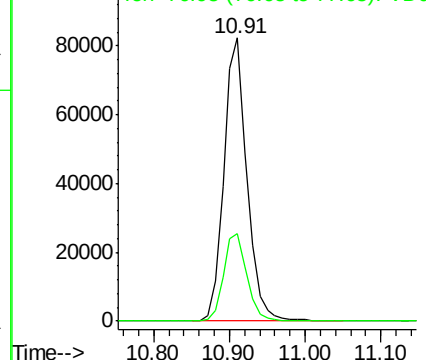
75 100

77 31.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.051 ug/l

RT: 10.03 min Scan# 875

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

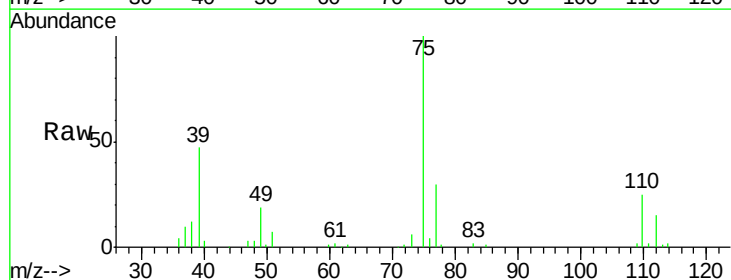
Tgt Ion: 75 Resp: 207049

Ion Ratio Lower Upper

75 100

77 30.1 24.6 37.0

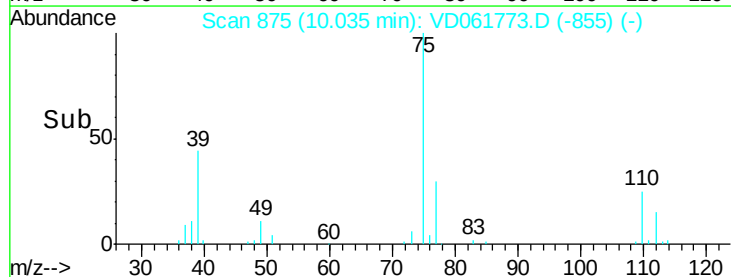
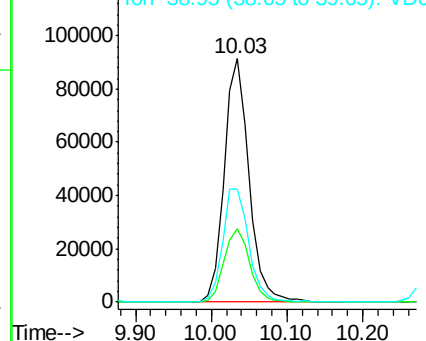
39 46.5 36.2 54.2

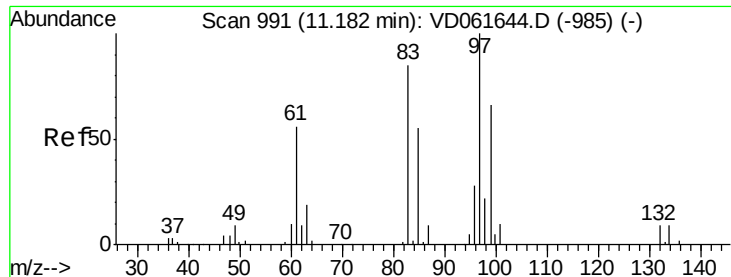


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

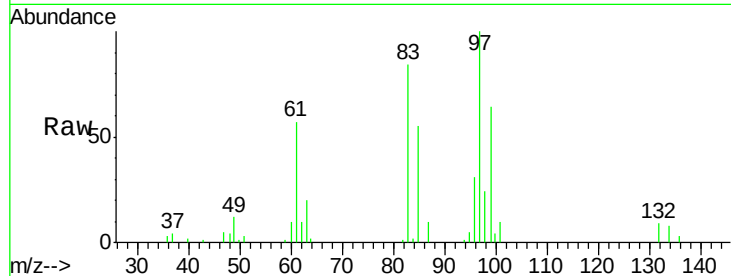




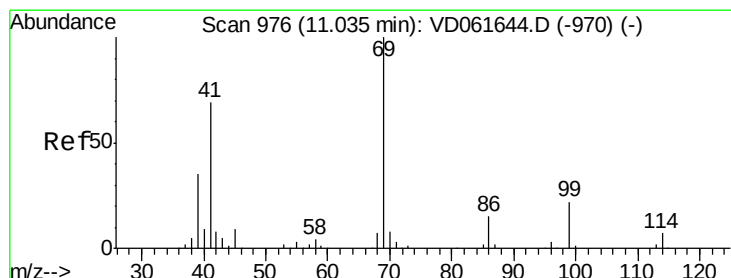
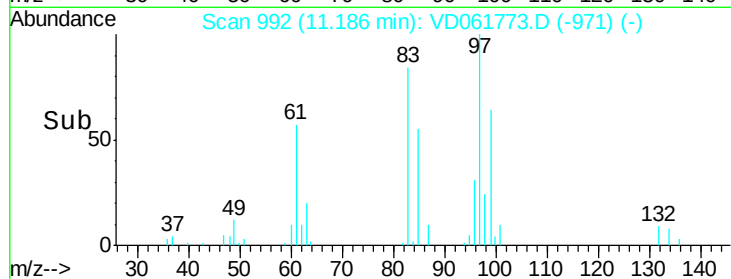
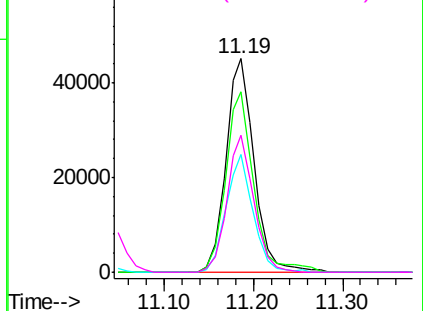
#55
 1,1,2-Trichloroethane
 Concen: 21.278 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBS01

Tot Ion:	97	Resp:	100030
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.8	101.6
85	54.9	43.8	65.8
99	64.2	52.8	79.2

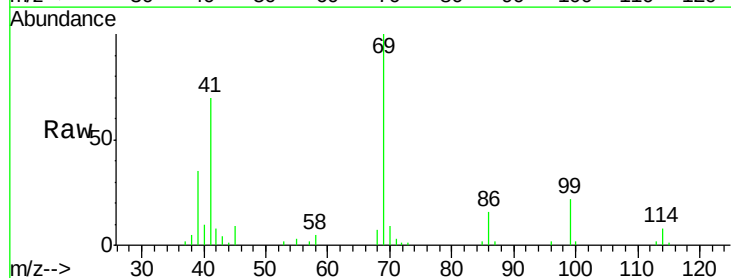


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

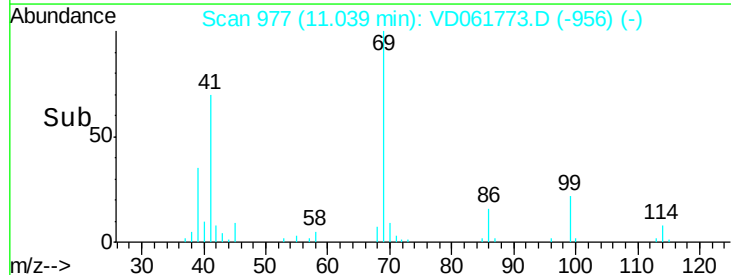
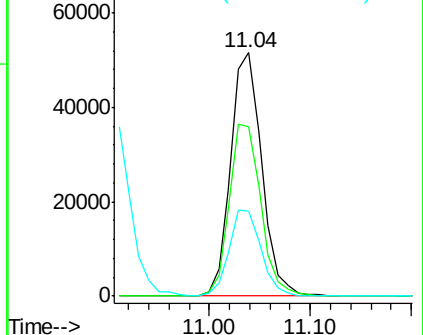


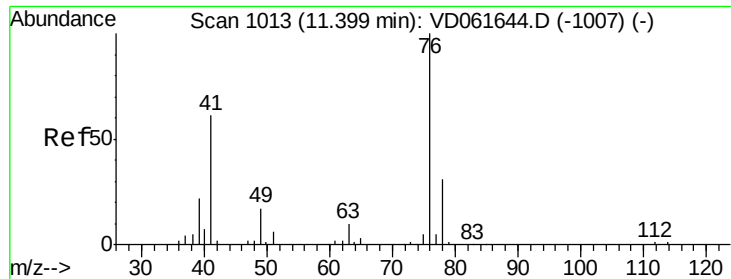
#56
 Ethyl methacrylate
 Concen: 22.198 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

Tgt Ion:	69	Resp:	110088
Ion	Ratio	Lower	Upper
69	100		
41	69.6	55.2	82.8
39	35.0	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

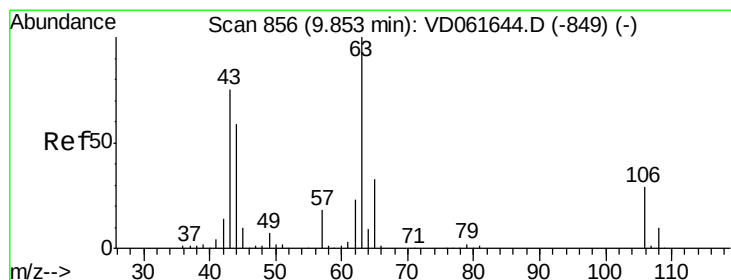
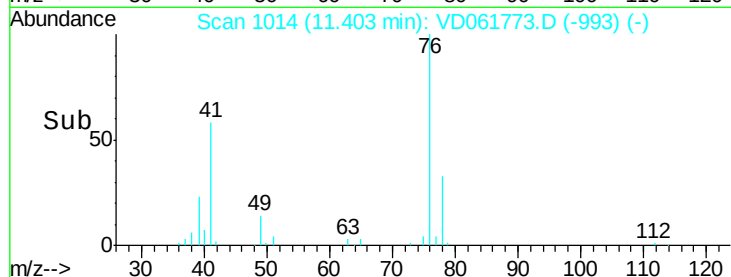
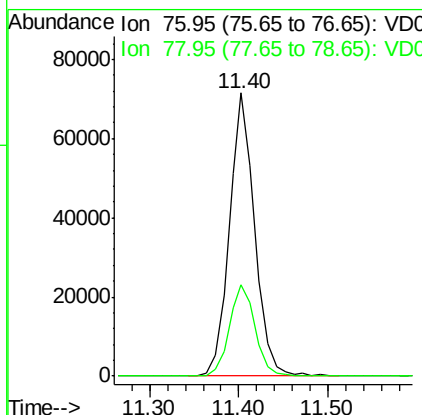
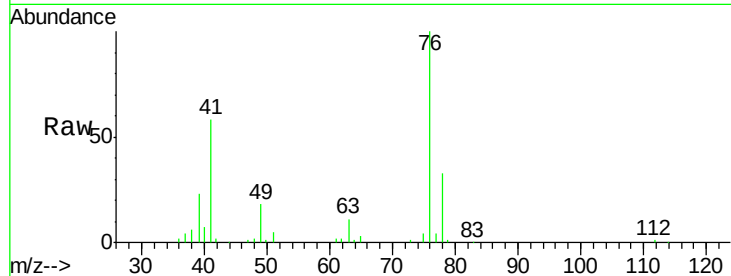




#57
 1,3-Dichloropropane
 Concen: 20.576 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

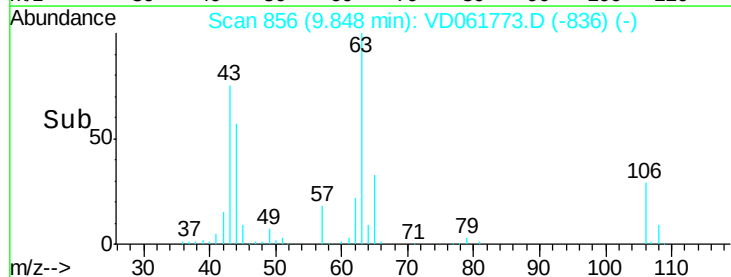
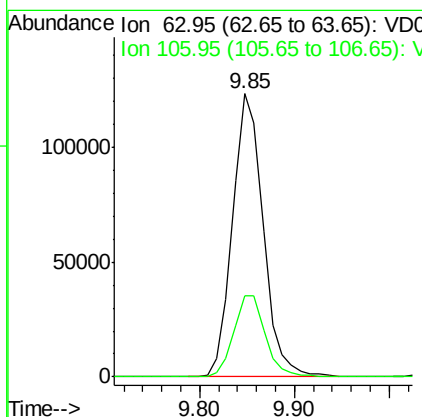
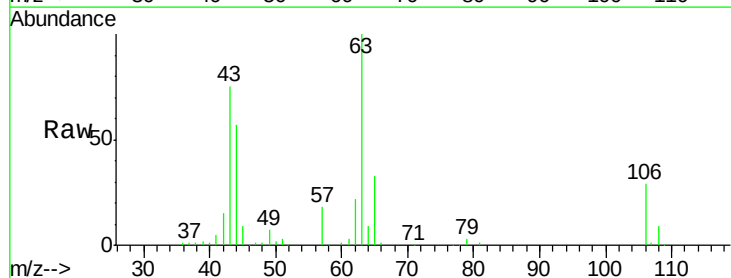
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBS01

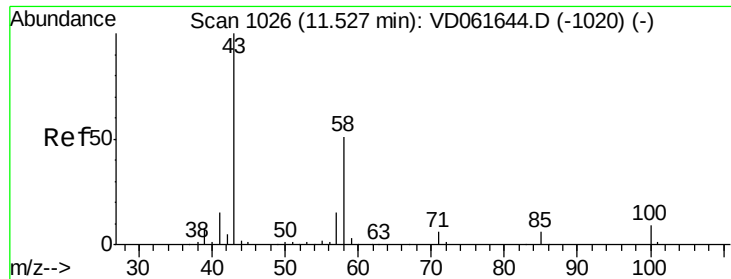
Tot Ion: 76 Resp: 141658
 Ion Ratio Lower Upper
 76 100
 78 32.5 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.328 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

Tgt Ion: 63 Resp: 276893
 Ion Ratio Lower Upper
 63 100
 106 28.5 23.0 34.6

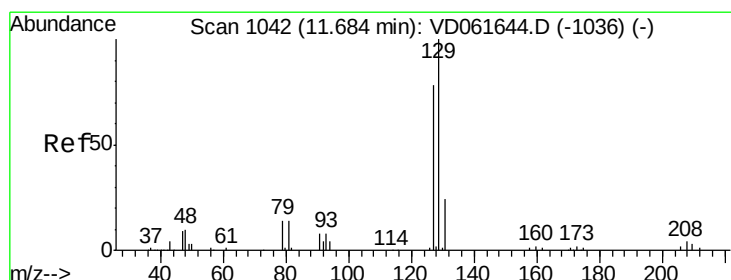
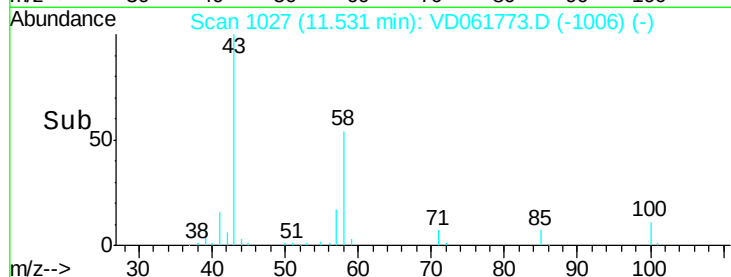
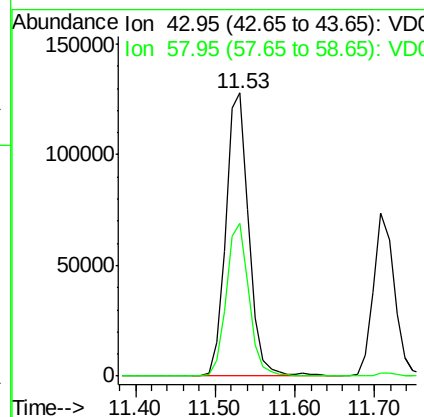
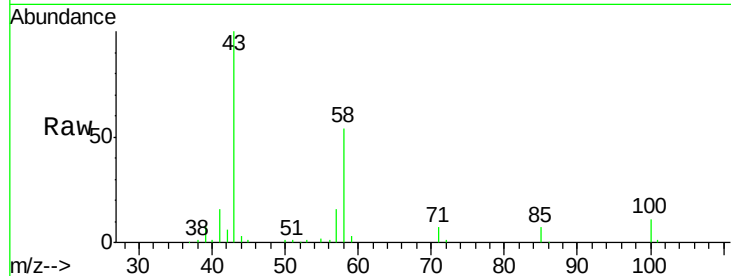




#59
2-Hexanone
Concen: 103.781 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

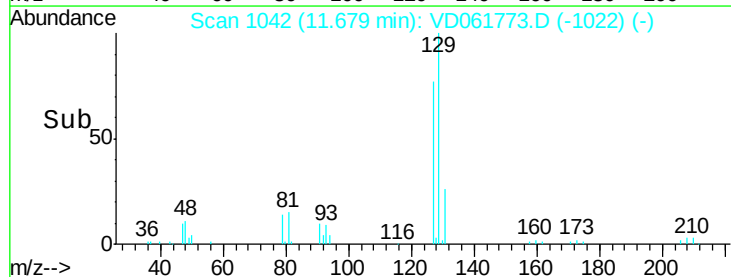
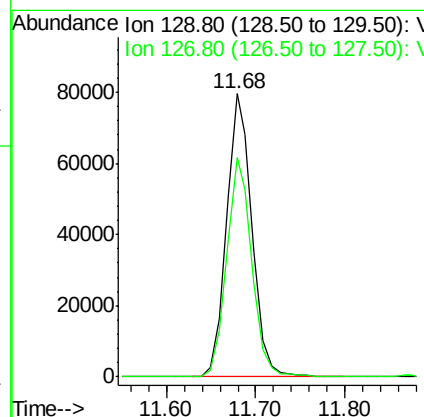
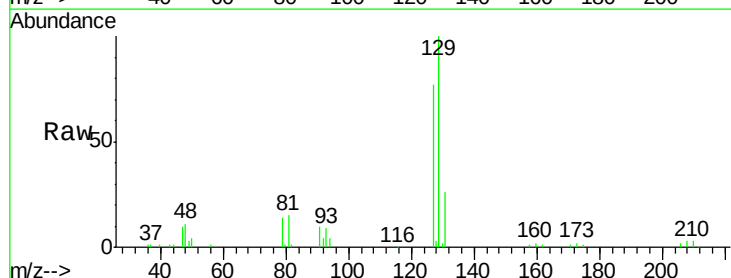
Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

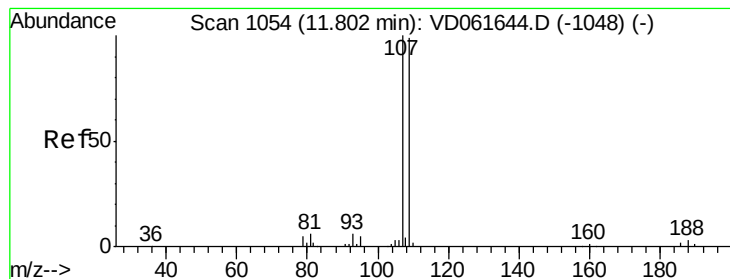
Tot Ion: 43 Resp: 260527
Ion Ratio Lower Upper
43 100
58 53.9 25.6 76.8



#60
Dibromochloromethane
Concen: 21.380 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Tgt Ion: 129 Resp: 158798
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.4





#61

1,2-Dibromoethane

Concen: 21.301 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

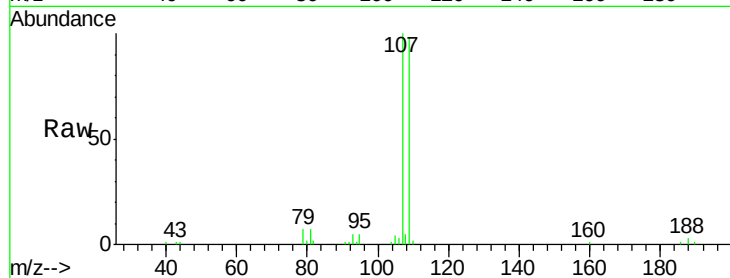
VD0412SBS01

Tot Ion: 107 Resp: 117110

Ion Ratio Lower Upper

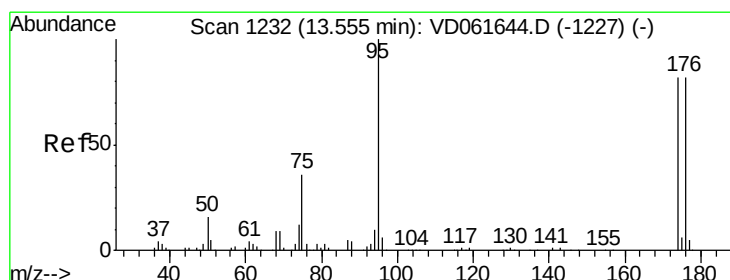
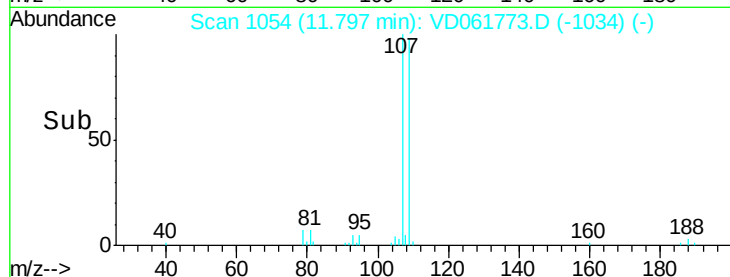
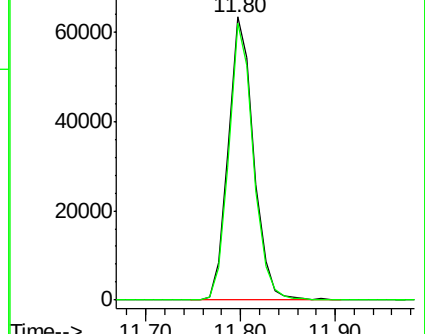
107 100

109 98.0 79.2 118.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 21.301 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

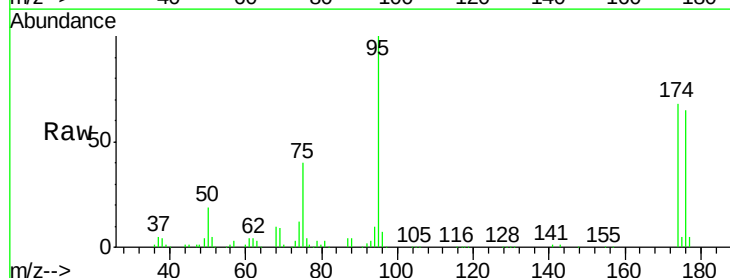
Tgt Ion: 95 Resp: 338931

Ion Ratio Lower Upper

95 100

174 67.8 0.0 164.6

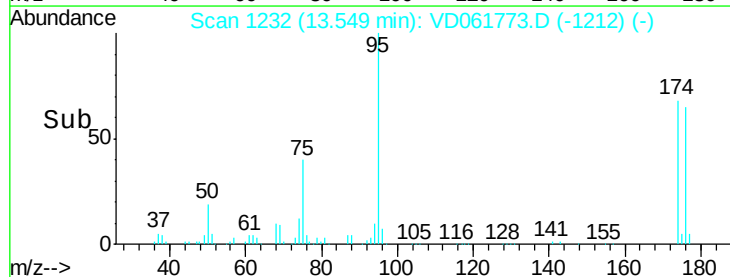
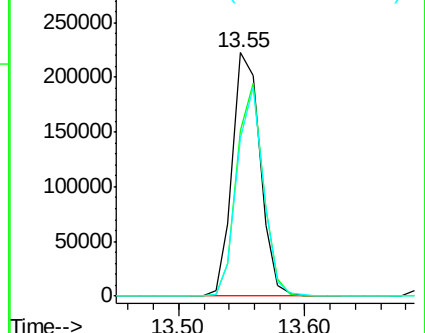
176 65.1 0.0 165.0

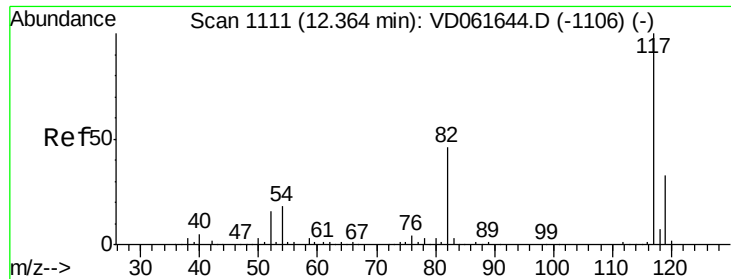


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

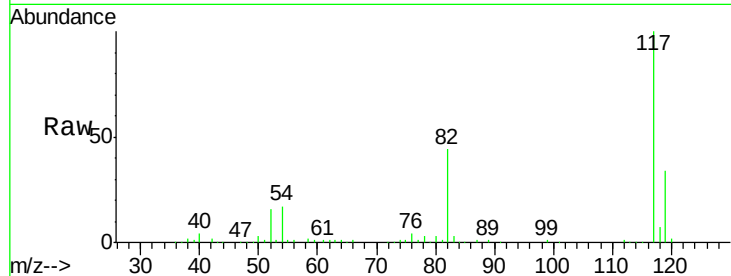




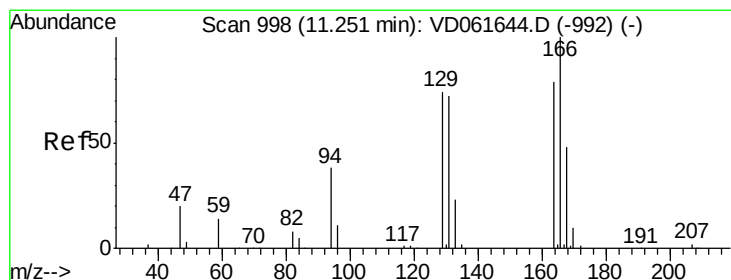
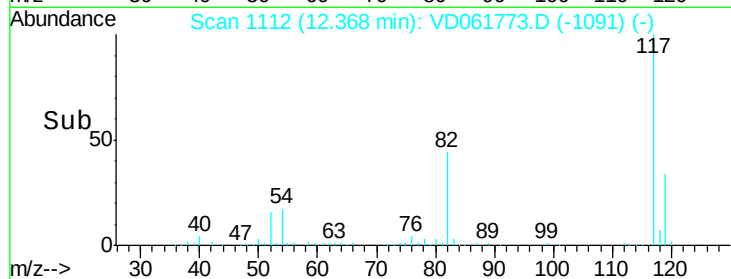
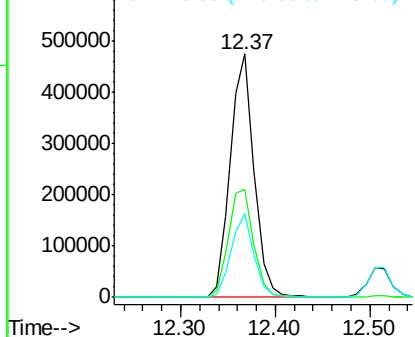
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

Tot Ion:117 Resp: 825602
Ion Ratio Lower Upper
117 100
82 44.4 36.8 55.2
119 34.3 26.1 39.1

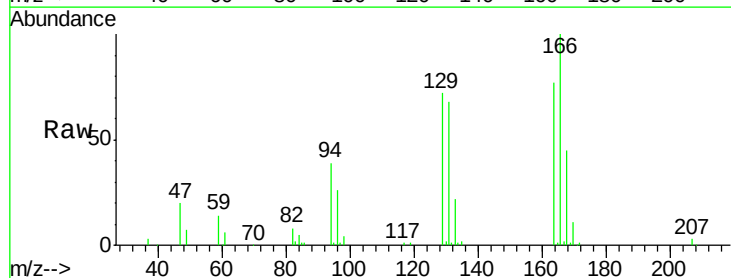


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

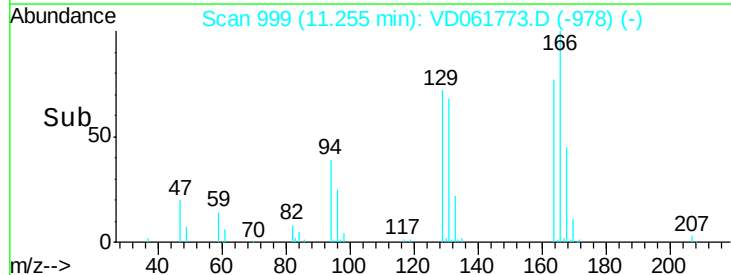
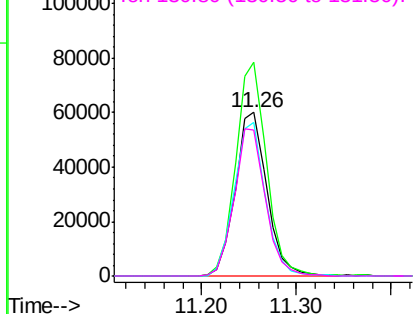


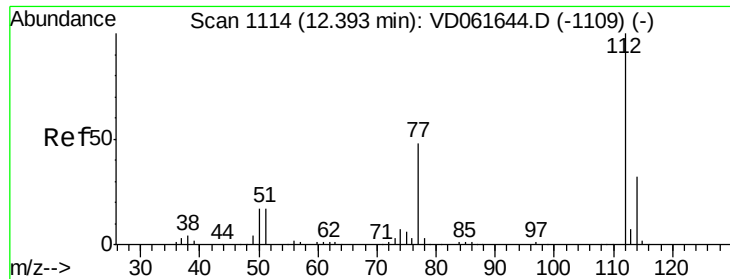
#64
Tetrachloroethene
Concen: 21.620 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Tgt Ion:164 Resp: 138557
Ion Ratio Lower Upper
164 100
166 130.7 101.8 152.8
129 94.0 75.4 113.0
131 89.3 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

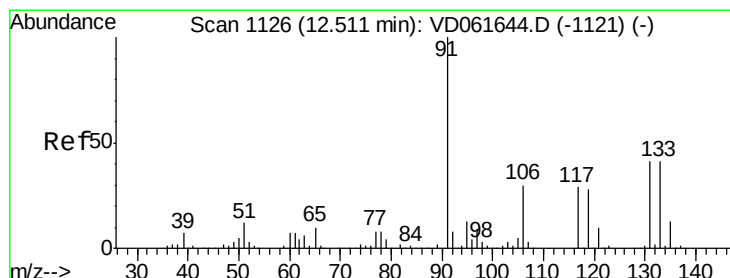
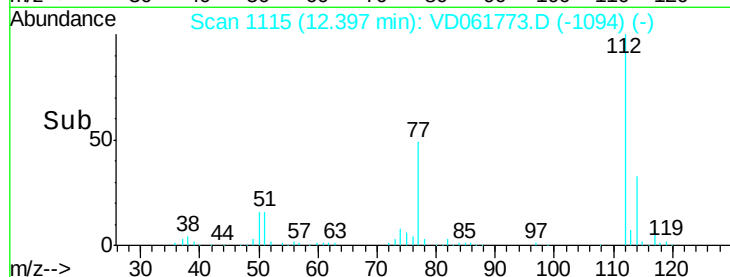
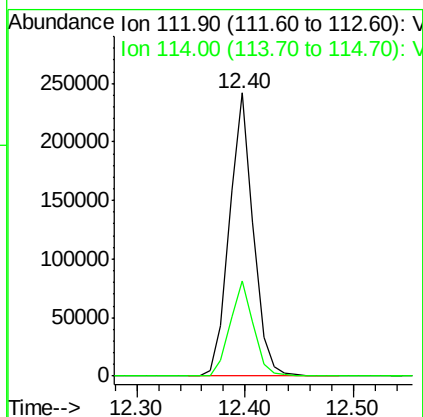
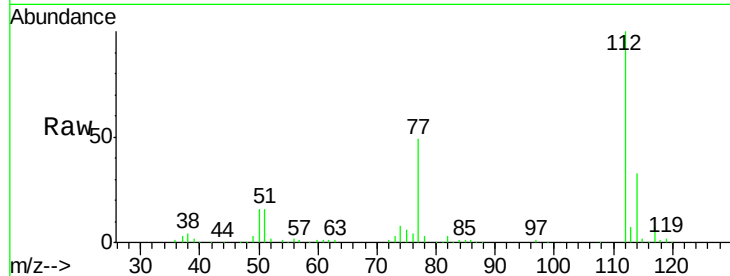




#65
Chlorobenzene
Concen: 22.656 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

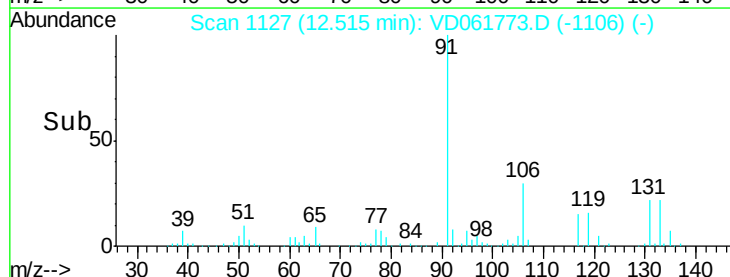
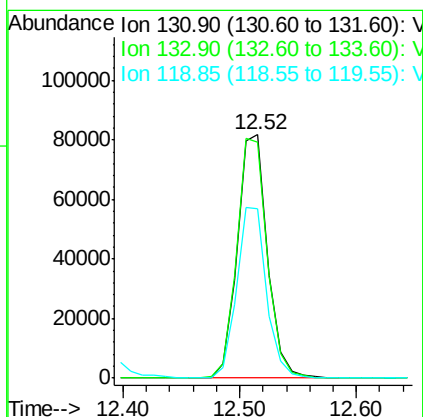
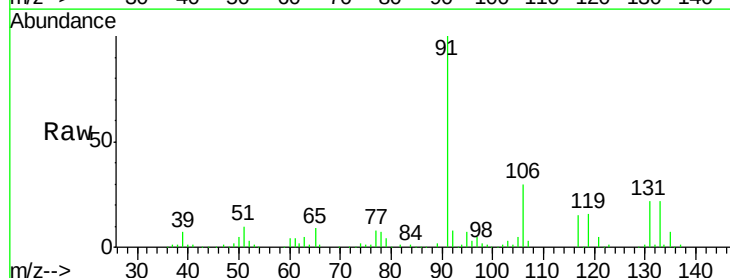
Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

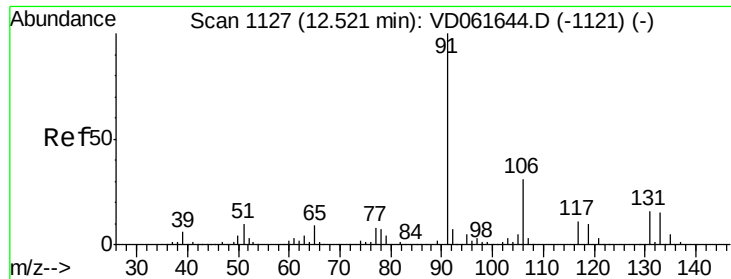
Tot Ion:112 Resp: 370940
Ion Ratio Lower Upper
112 100
114 33.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 23.142 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Tgt Ion:131 Resp: 145801
Ion Ratio Lower Upper
131 100
133 97.0 49.5 148.3
119 69.7 34.7 104.1

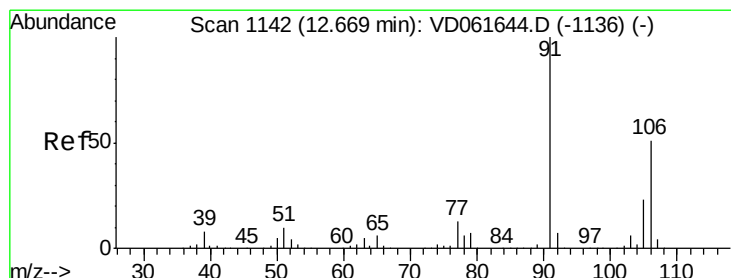
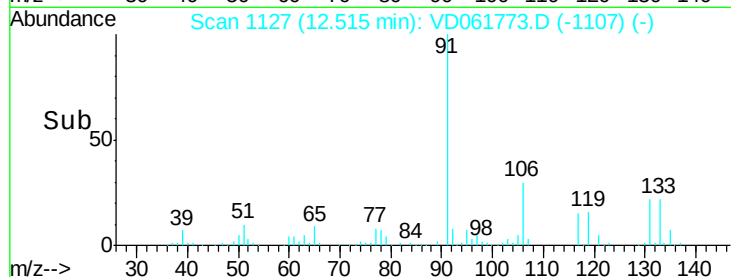
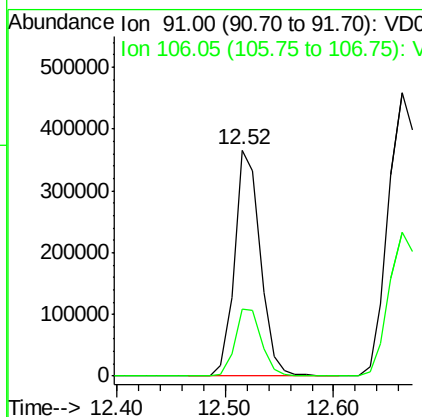
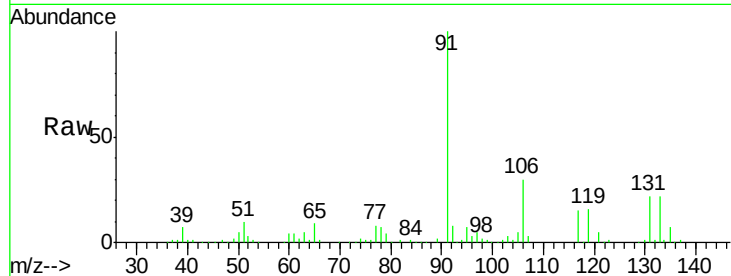




#67
Ethyl Benzene
Concen: 24.348 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

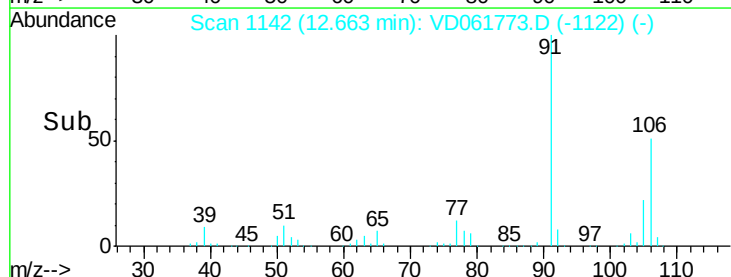
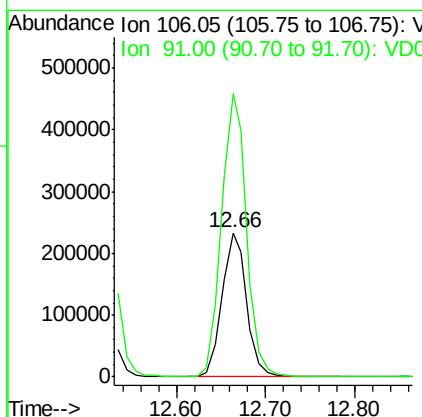
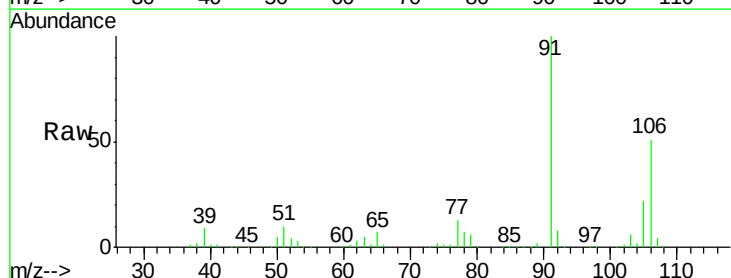
Instrument :
MSVOA_D
ClientSampleID :
VD0412SBS01

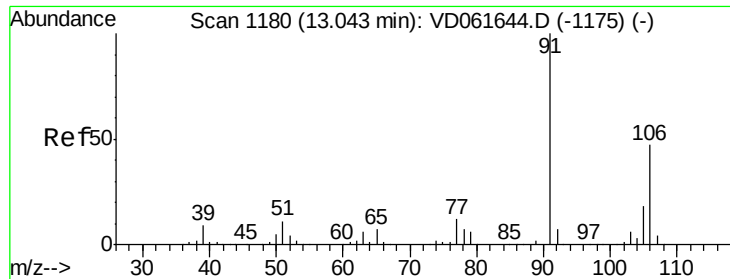
Tot Ion: 91 Resp: 607041
Ion Ratio Lower Upper
91 100
106 29.9 24.6 37.0



#68
m/p-Xylenes
Concen: 46.764 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Tgt Ion: 106 Resp: 449487
Ion Ratio Lower Upper
106 100
91 196.6 156.7 235.1

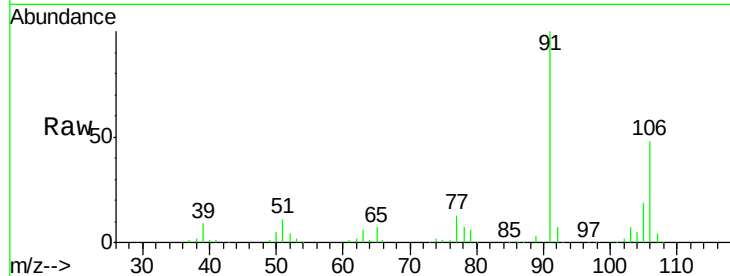




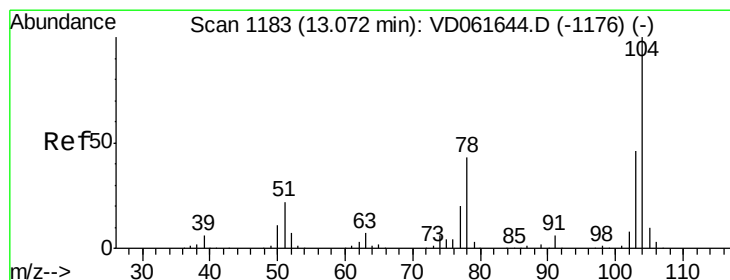
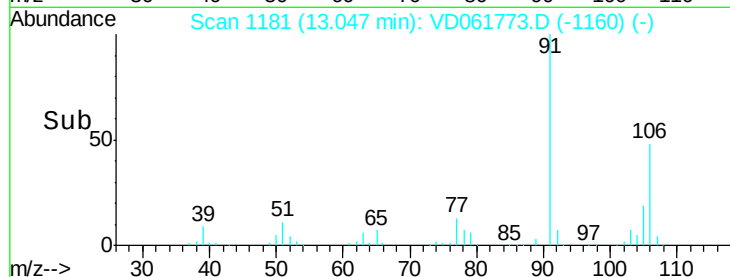
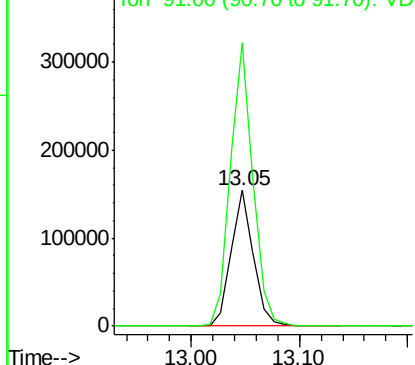
#69
o-Xylene
Concen: 23.768 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

Tot Ion:106 Resp: 220525
Ion Ratio Lower Upper
106 100
91 208.2 107.3 321.9

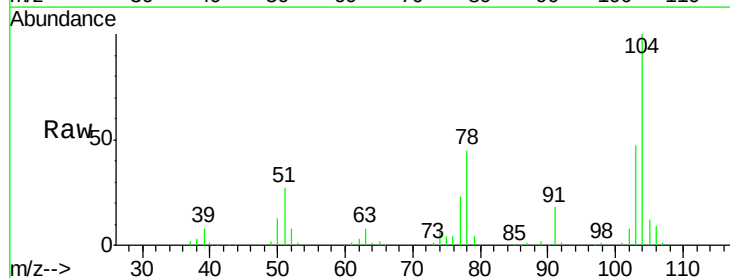


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

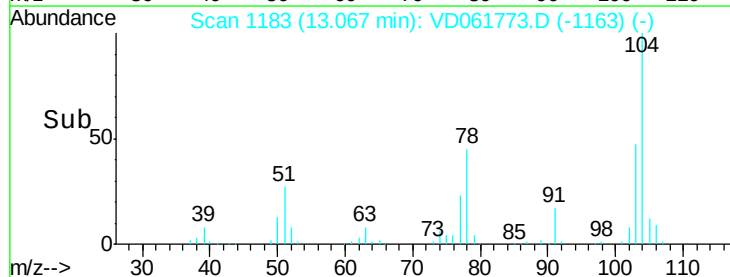
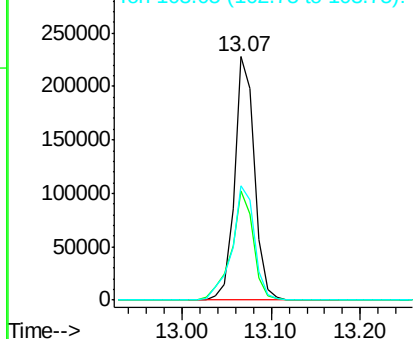


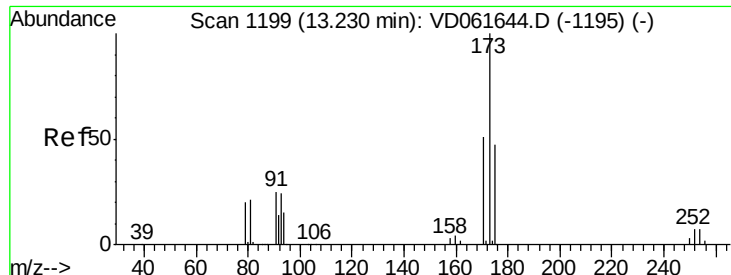
#70
Styrene
Concen: 22.490 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Tgt Ion:104 Resp: 356365
Ion Ratio Lower Upper
104 100
78 44.8 34.2 51.4
103 47.1 37.2 55.8



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





#71

Bromoform

Concen: 21.267 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBS01

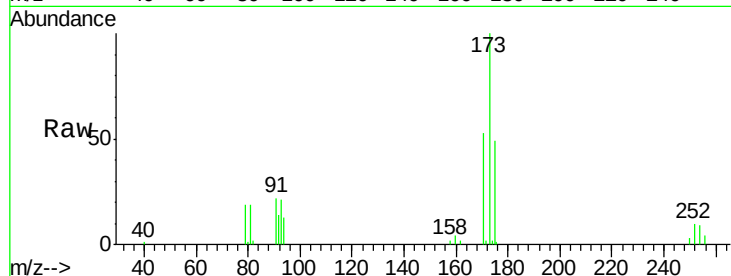
Tot Ion:173 Resp: 83133

Ion Ratio Lower Upper

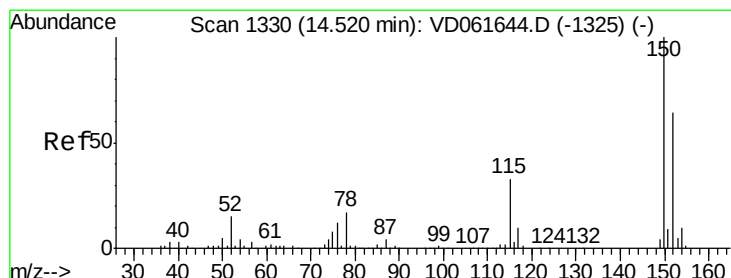
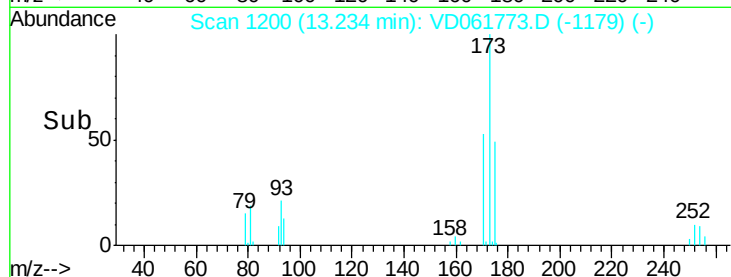
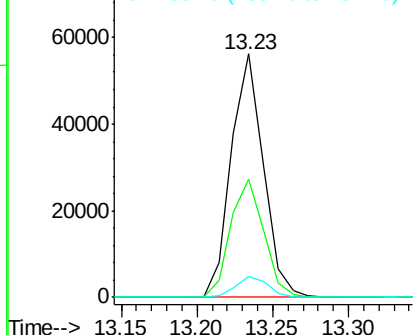
173 100

175 48.6 23.7 71.1

254 8.8 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# 1330

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

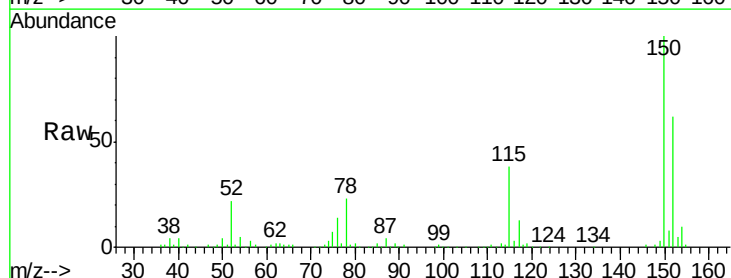
Tgt Ion:152 Resp: 389306

Ion Ratio Lower Upper

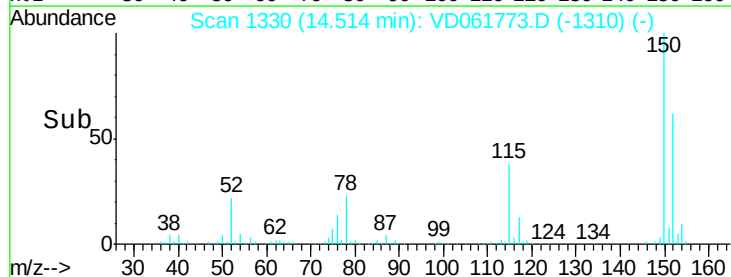
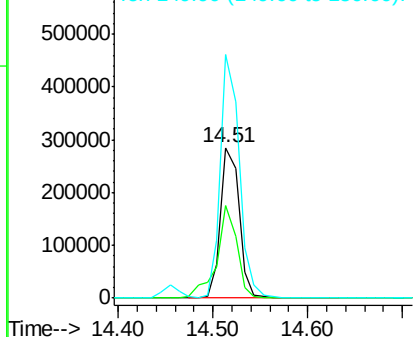
152 100

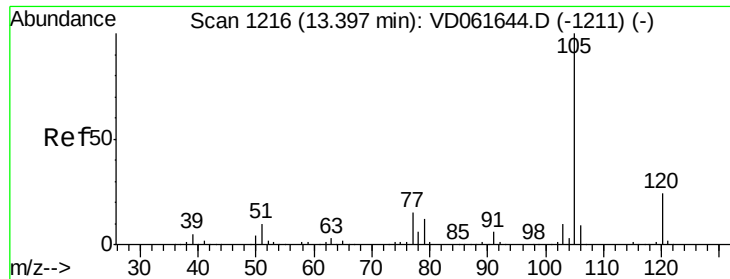
115 61.3 26.4 79.2

150 161.7 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: 20.377 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

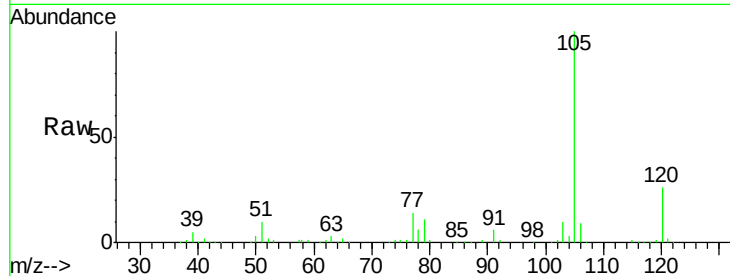
VD0412SBS01

Tot Ion:105 Resp: 528584

Ion Ratio Lower Upper

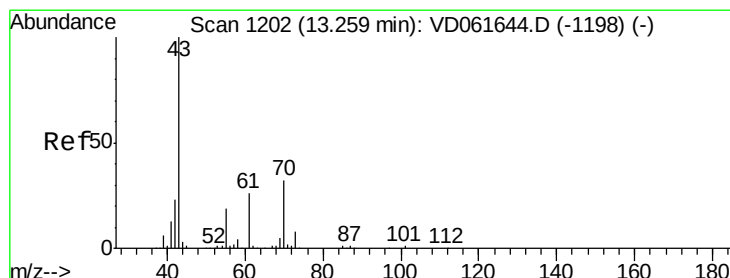
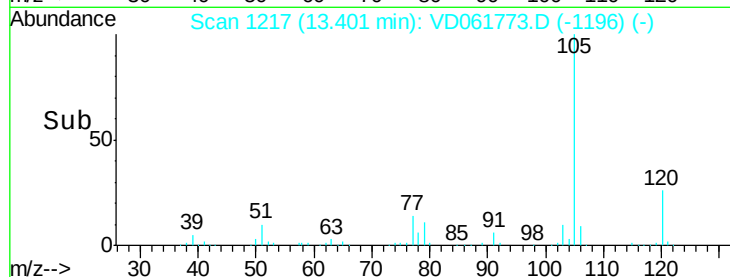
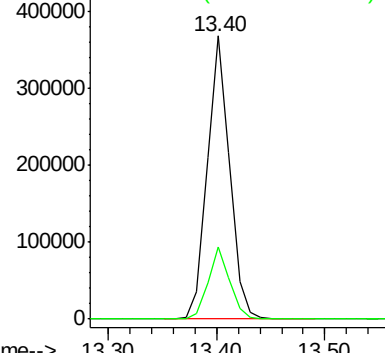
105 100

120 25.6 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: 20.370 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Tgt Ion: 43 Resp: 143570

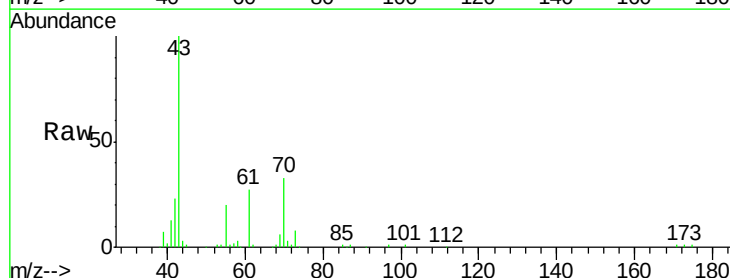
Ion Ratio Lower Upper

43 100

70 33.0 25.4 38.2

55 19.5 15.0 22.4

61 26.7 20.9 31.3

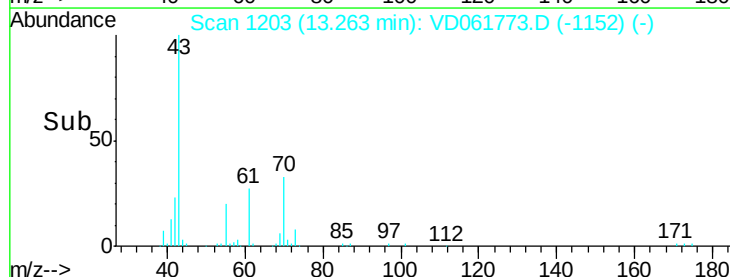
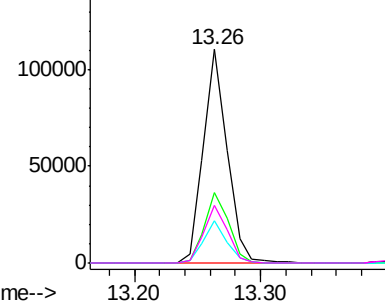


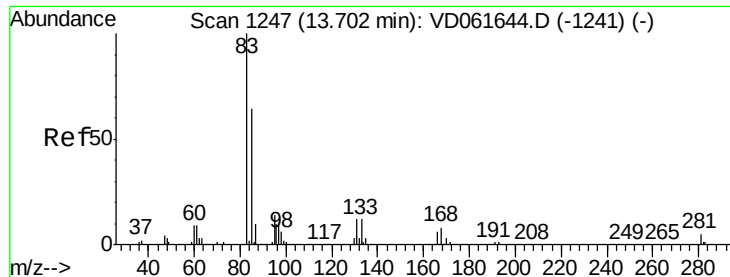
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.815 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBS01

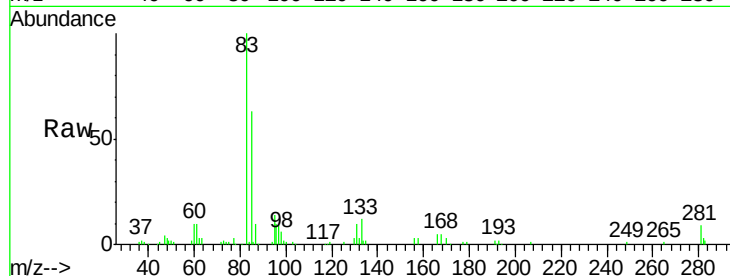
Tot Ion: 83 Resp: 111644

Ion Ratio Lower Upper

83 100

131 10.4 5.9 17.6

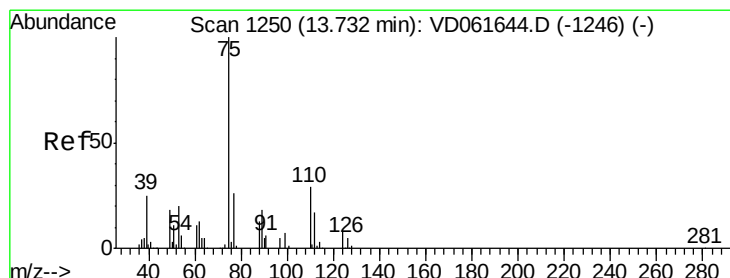
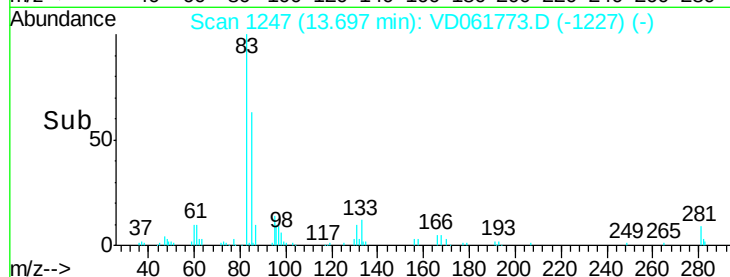
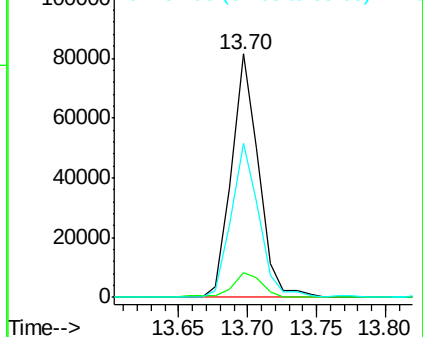
85 63.3 32.0 96.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.113 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD061773.D

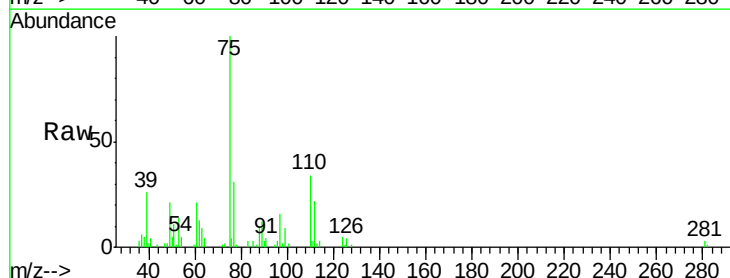
Acq: 12 Apr 2019 12:49

Tgt Ion: 75 Resp: 111824

Ion Ratio Lower Upper

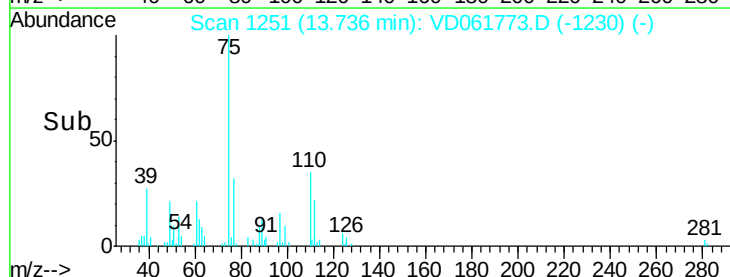
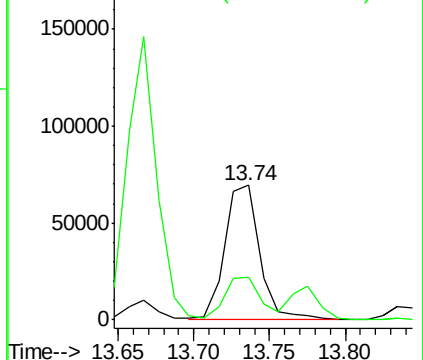
75 100

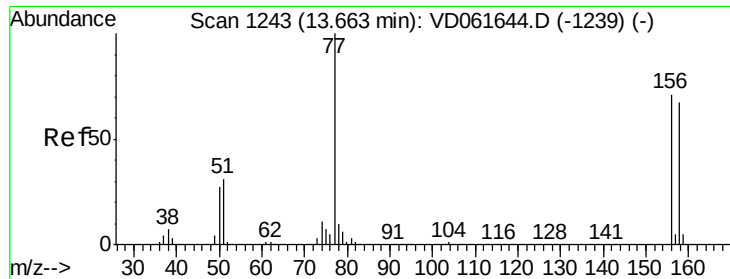
77 31.4 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.528 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBS01

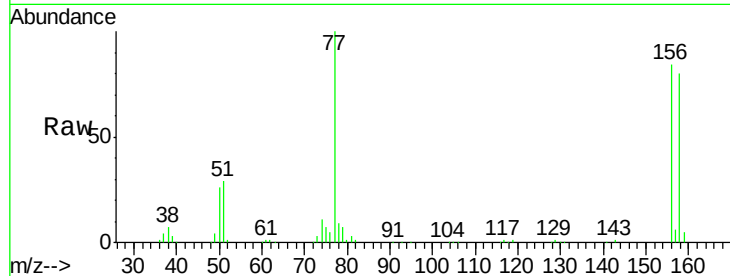
Tot Ion:156 Resp: 162095

Ion Ratio Lower Upper

156 100

77 119.1 70.3 210.8

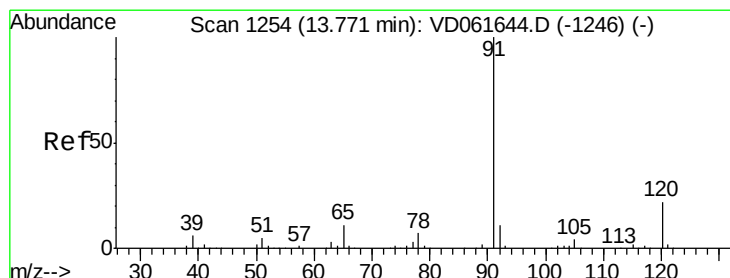
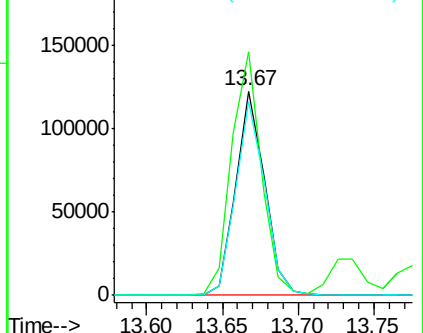
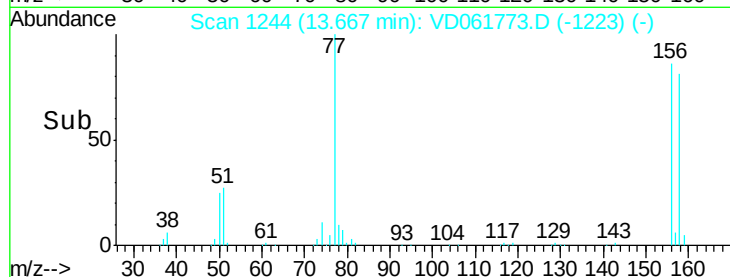
158 95.0 47.4 142.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.188 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061773.D

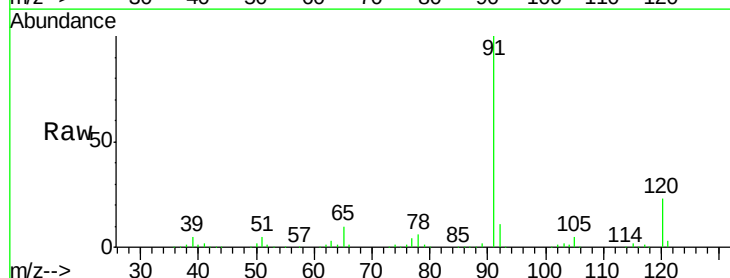
Acq: 12 Apr 2019 12:49

Tgt Ion: 91 Resp: 688480

Ion Ratio Lower Upper

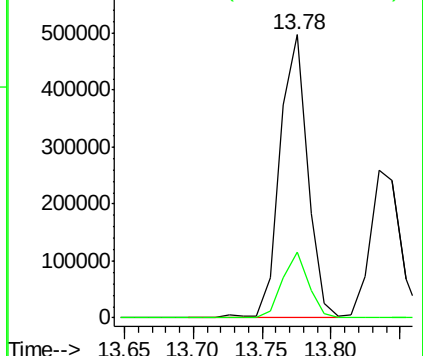
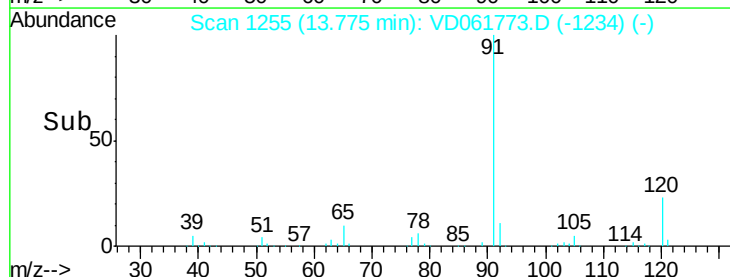
91 100

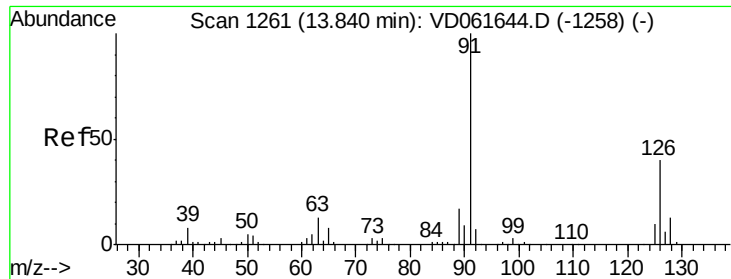
120 23.3 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.836 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

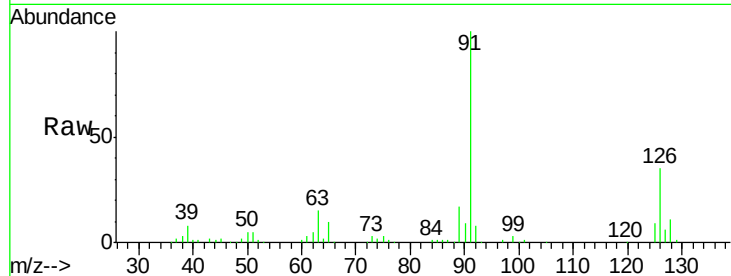
VD0412SBS01

Tot Ion: 91 Resp: 387465

Ion Ratio Lower Upper

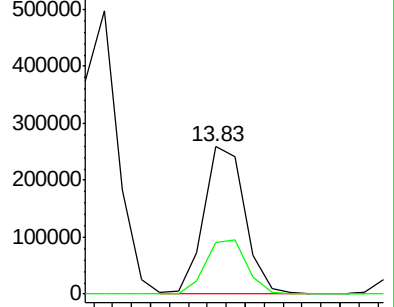
91 100

126 34.8 20.0 59.9

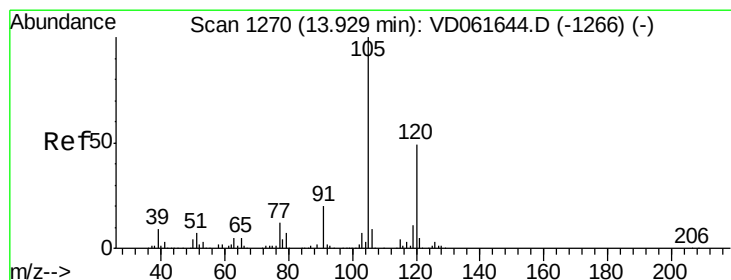
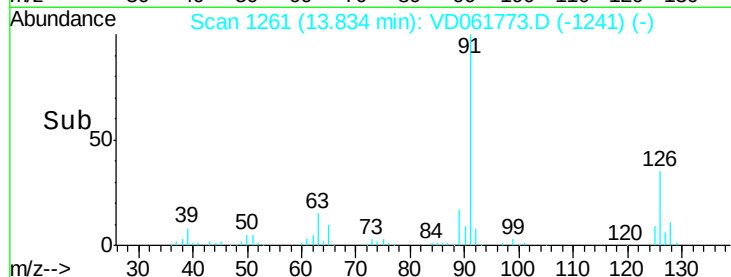


Abundance Ion 91.00 (90.70 to 91.70): VD061644.D (-1258) (-)

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



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.314 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD061773.D

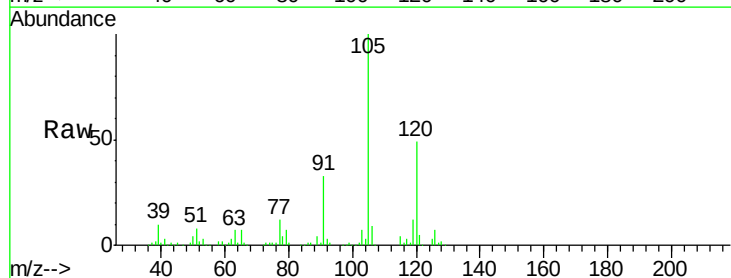
Acq: 12 Apr 2019 12:49

Tgt Ion:105 Resp: 480014

Ion Ratio Lower Upper

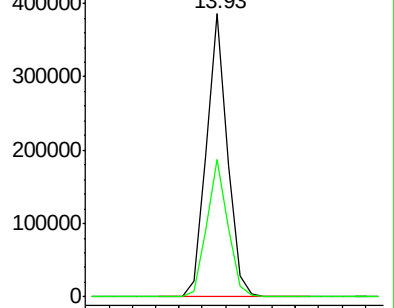
105 100

120 48.7 24.4 73.2

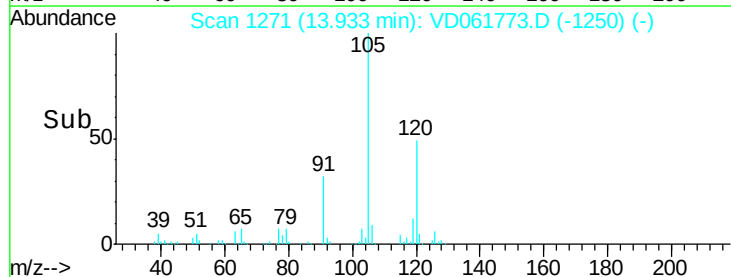


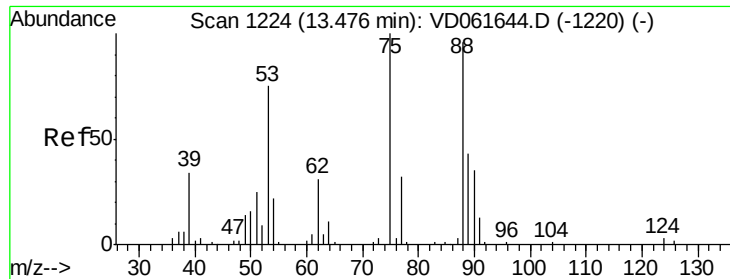
Abundance Ion 105.05 (104.75 to 105.75): VD061644.D (-1266) (-)

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



Time-->

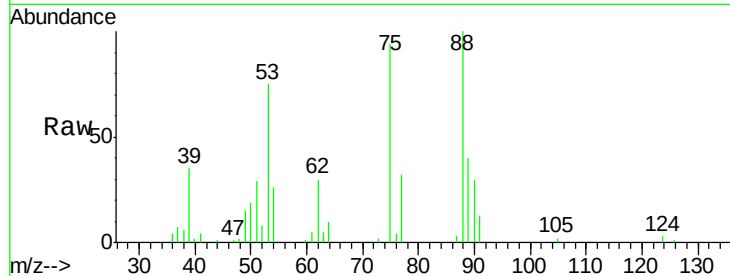




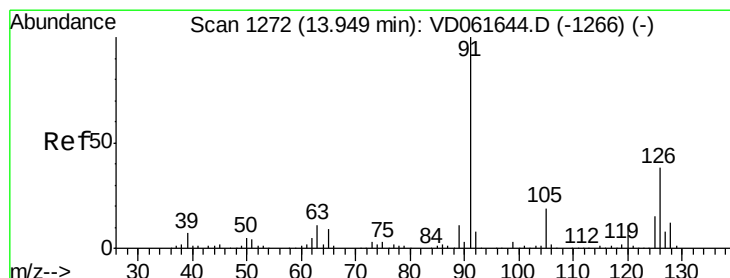
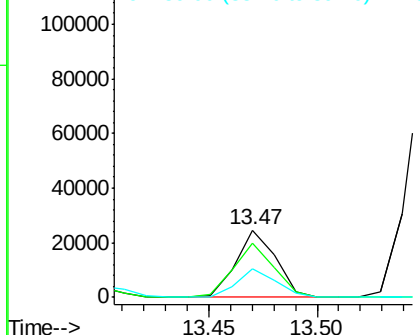
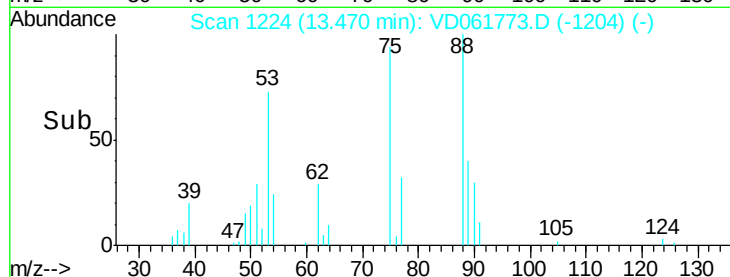
#81
trans-1,4-Dichloro-2-butene
Concen: 19.621 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

Tot Ion: 75 Resp: 31536
Ion Ratio Lower Upper
75 100
53 79.6 60.2 90.2
89 42.9 34.2 51.2

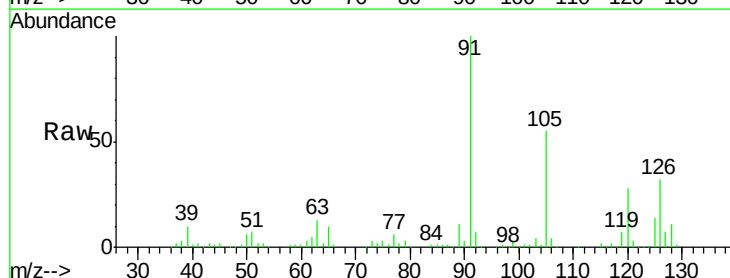


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

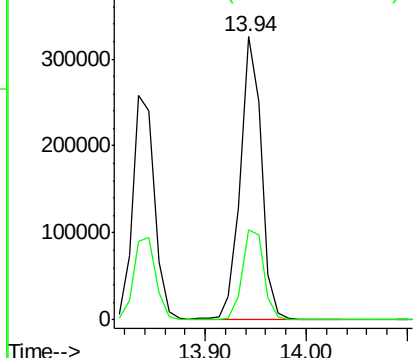
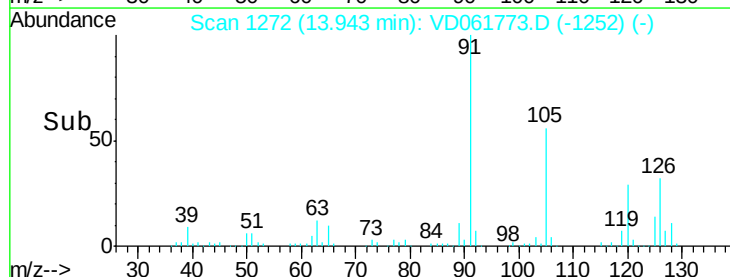


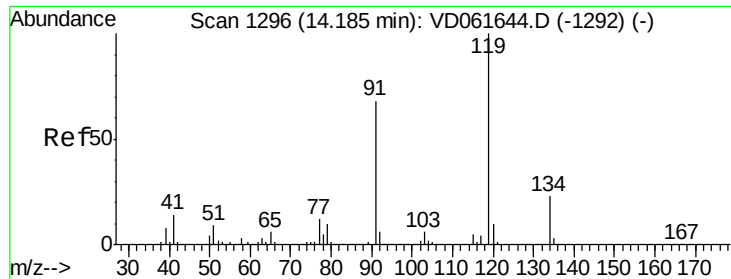
#82
4-Chlorotoluene
Concen: 24.232 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Tgt Ion: 91 Resp: 471169
Ion Ratio Lower Upper
91 100
126 31.9 19.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

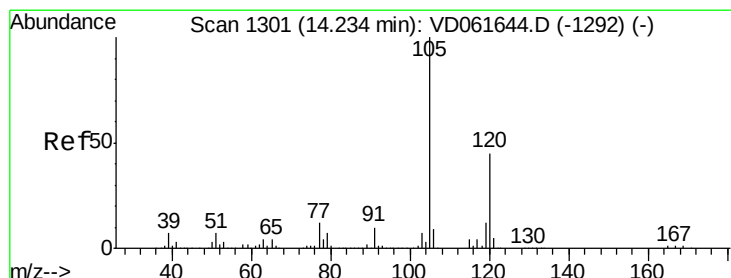
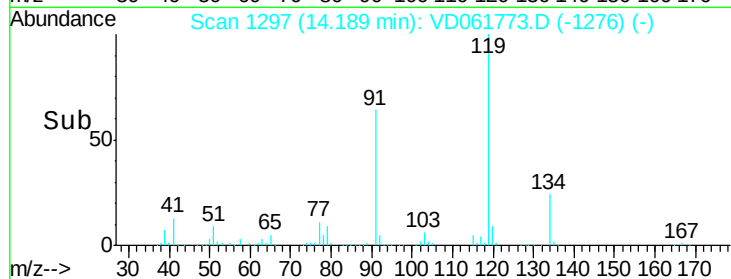
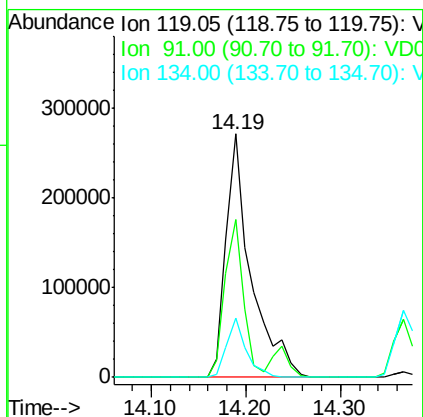
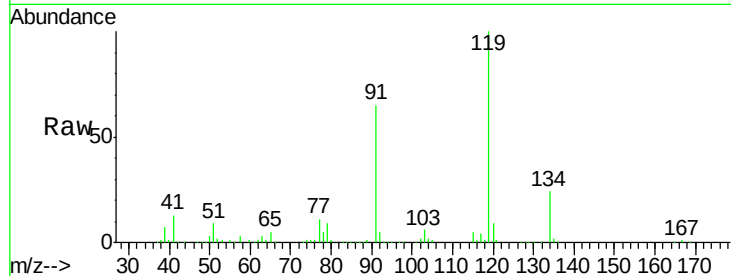




#83
 tert-Butylbenzene
 Concen: 20.107 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

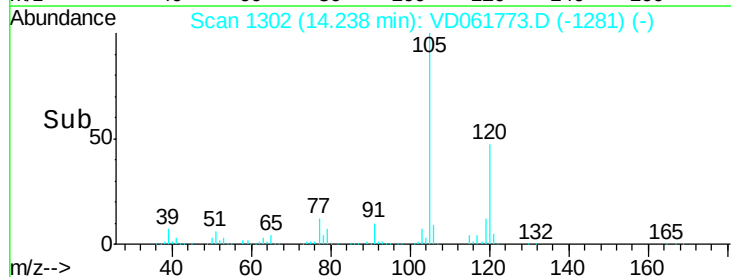
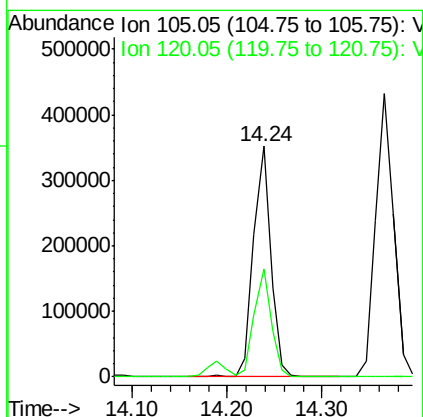
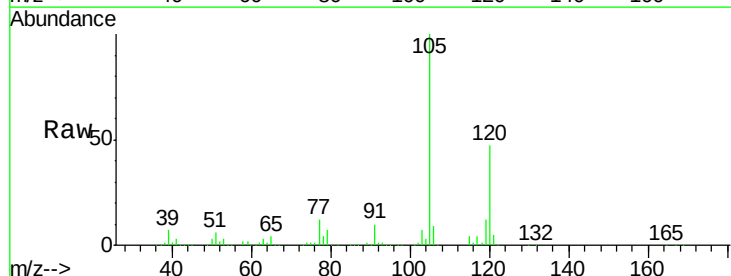
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBS01

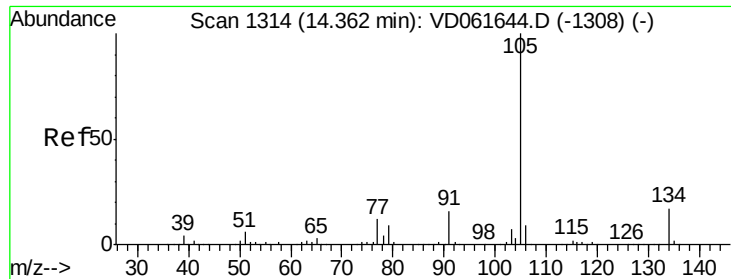
Tot Ion:119 Resp: 499126
 Ion Ratio Lower Upper
 119 100
 91 64.6 33.9 101.6
 134 24.4 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.683 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

Tgt Ion:105 Resp: 450559
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.6 67.8

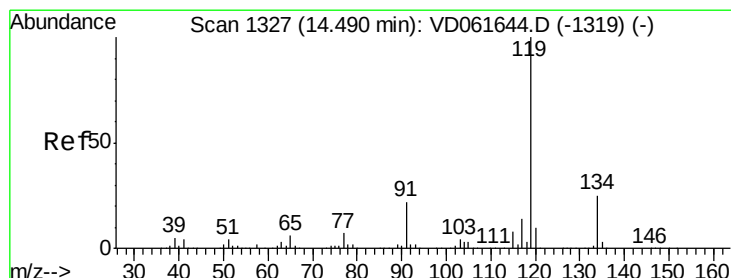
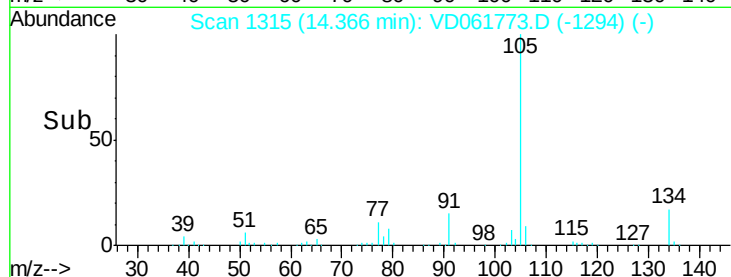
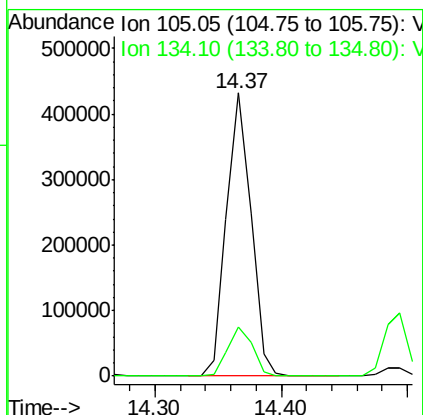
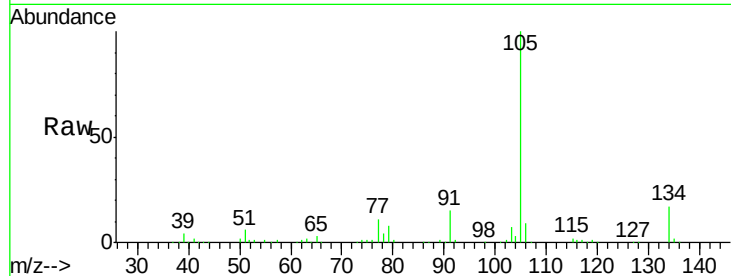




#85
 sec-Butylbenzene
 Concen: 21.808 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

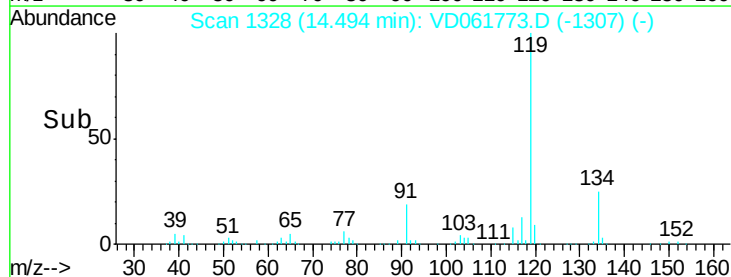
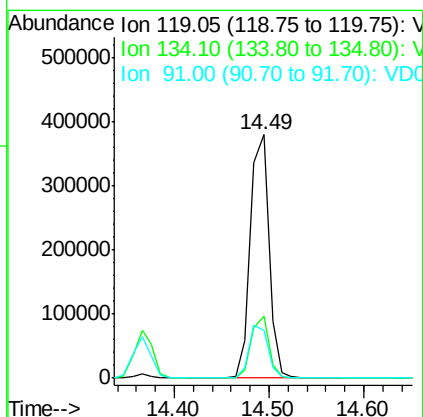
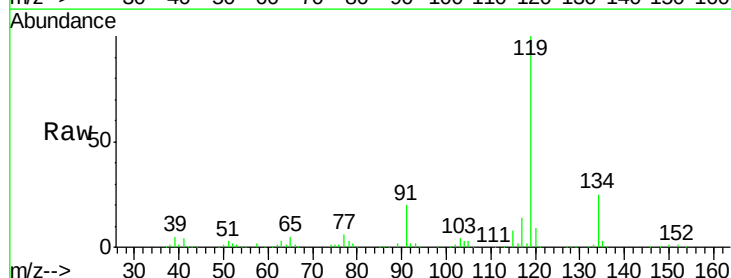
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBS01

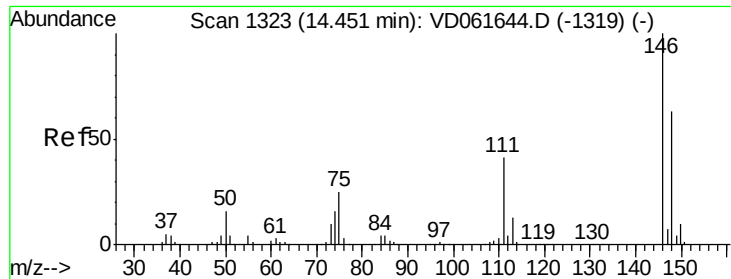
Tot Ion:105 Resp: 584900
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 22.339 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

Tgt Ion:119 Resp: 519755
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.5 37.5
 91 19.6 11.0 33.0

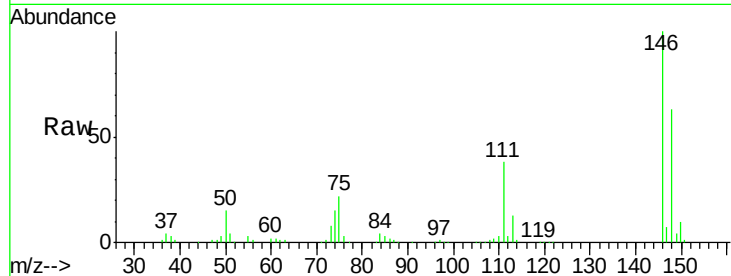




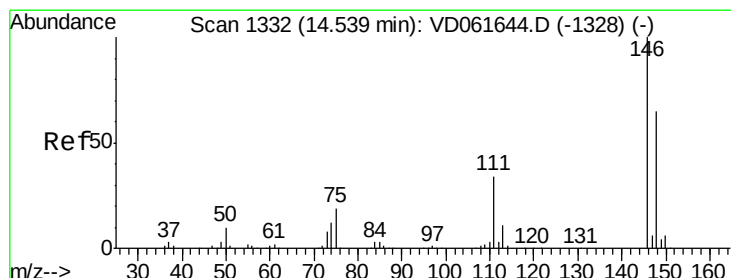
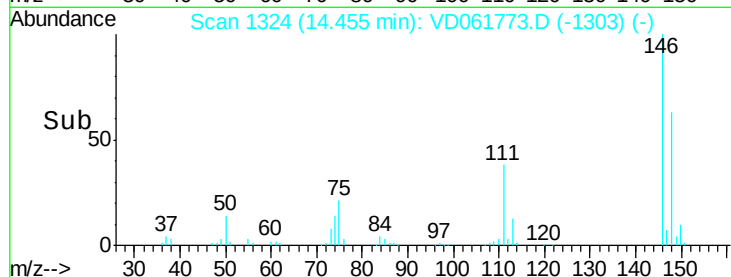
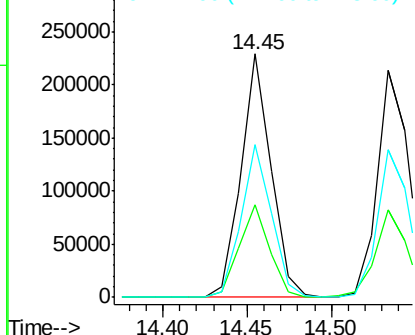
#87
 1,3-Dichlorobenzene
 Concen: 21.909 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBS01

Tot Ion:146 Resp: 283902
 Ion Ratio Lower Upper
 146 100
 111 37.9 20.3 61.0
 148 62.8 31.7 95.1

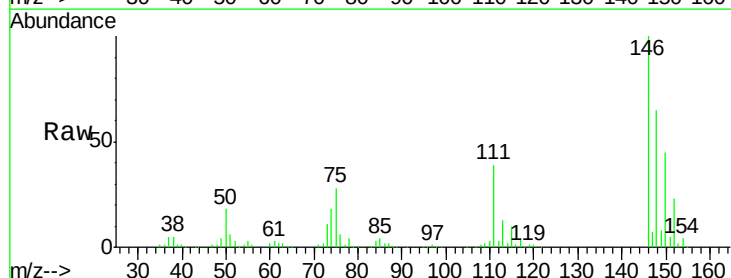


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

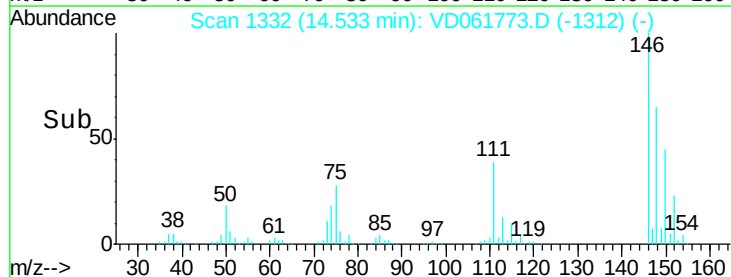
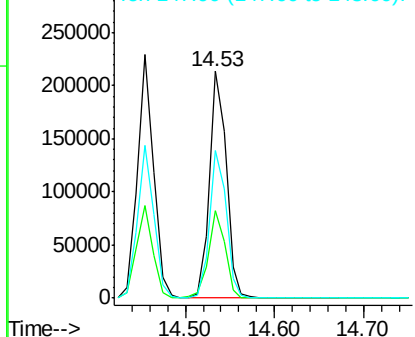


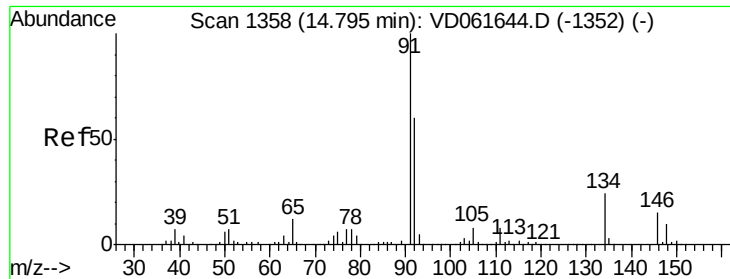
#88
 1,4-Dichlorobenzene
 Concen: 21.302 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

Tgt Ion:146 Resp: 278520
 Ion Ratio Lower Upper
 146 100
 111 38.7 17.1 51.2
 148 64.8 32.6 97.7



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





#89

n-Butylbenzene

Concen: 20.093 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD061773.D

Acq: 12 Apr 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0412SBS01

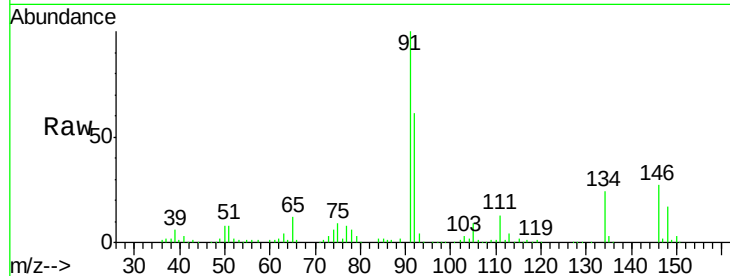
Tot Ion: 91 Resp: 406354

Ion Ratio Lower Upper

91 100

92 61.1 29.8 89.4

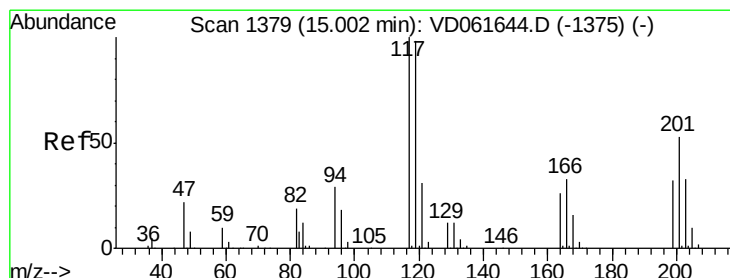
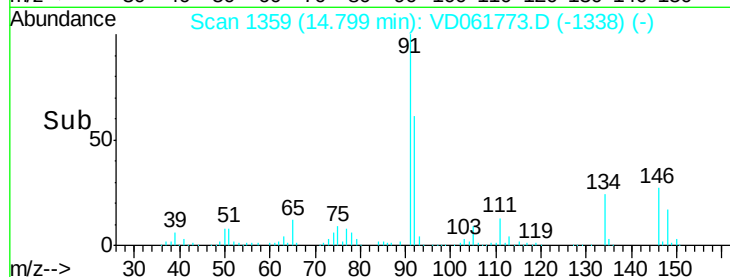
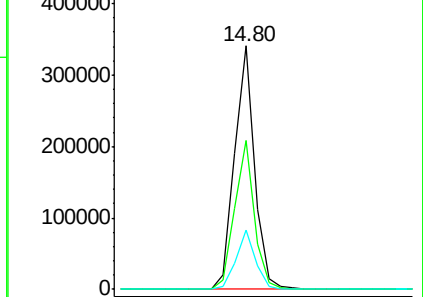
134 24.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 20.968 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061773.D

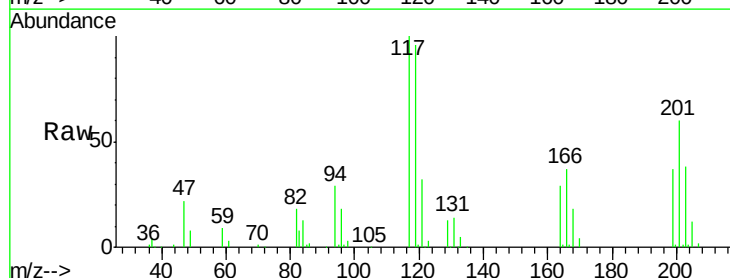
Acq: 12 Apr 2019 12:49

Tgt Ion: 117 Resp: 132372

Ion Ratio Lower Upper

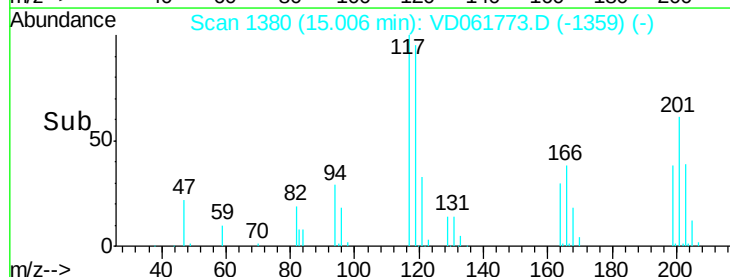
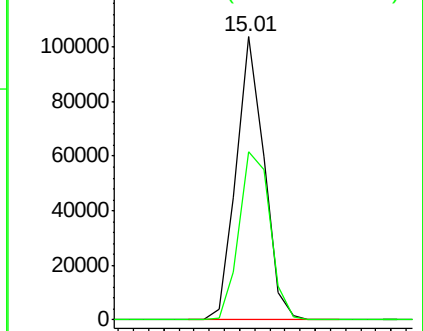
117 100

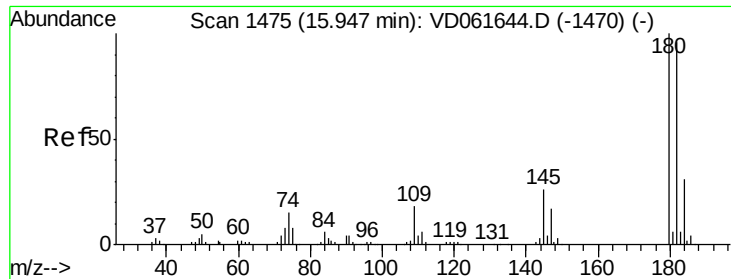
201 59.6 26.3 78.8



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

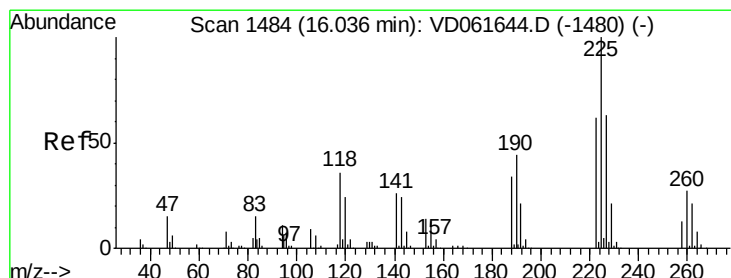
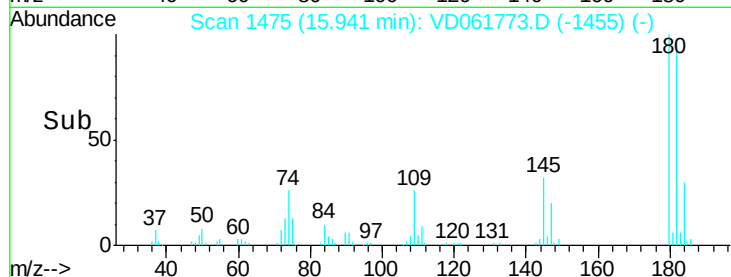
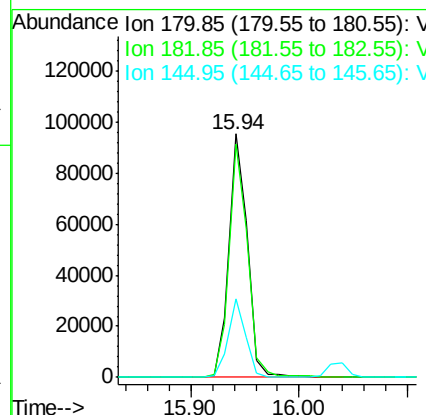
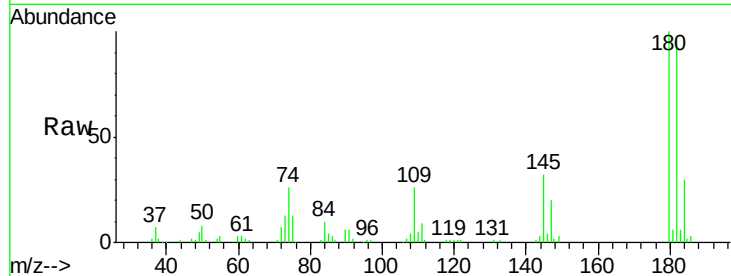




#93
 1,2,4-Trichlorobenzene
 Concen: 20.811 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

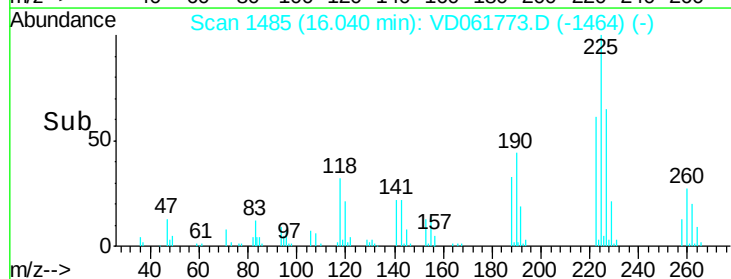
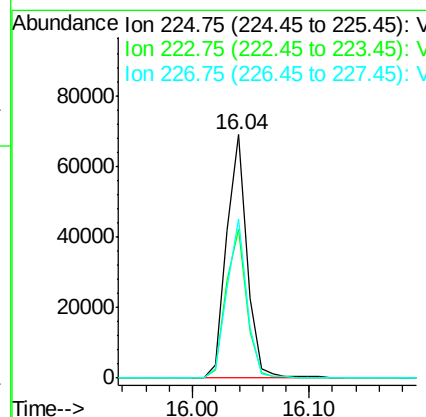
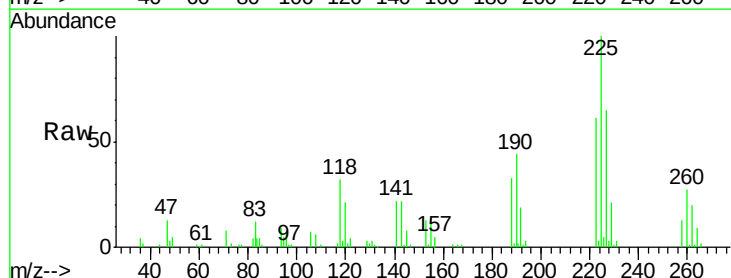
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0412SBS01

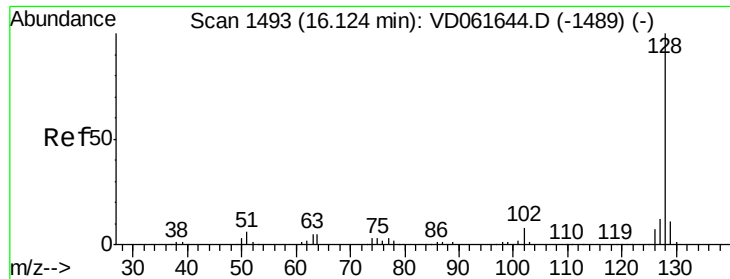
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	32.3	13.3	39.8



#94
 Hexachlorobutadiene
 Concen: 20.121 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061773.D
 Acq: 12 Apr 2019 12:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	30.8	92.3
227	65.2	31.5	94.5

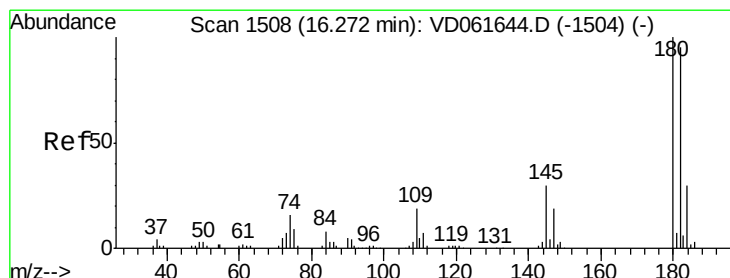
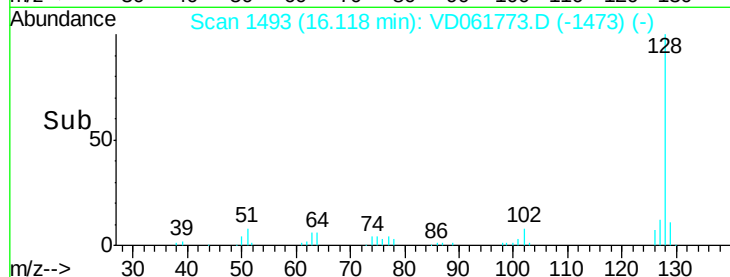
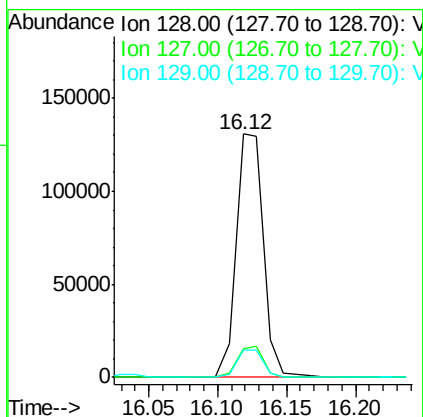
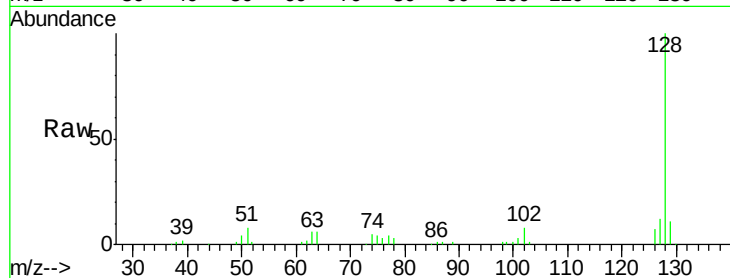




#95
Naphthalene
Concen: 20.965 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0412SBS01

Tot Ion:128 Resp: 180498
Ion Ratio Lower Upper
128 100
127 11.7 9.4 14.2
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 23.482 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD061773.D
Acq: 12 Apr 2019 12:49

Tgt Ion:180 Resp: 63766
Ion Ratio Lower Upper
180 100
182 90.9 47.3 142.0
145 32.2 15.1 45.3

