

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061740.D
 Acq On : 11 Apr 2019 14:53
 Operator : VA/AP
 Sample : VD0411SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

Quant Time: Apr 12 01:00:00 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	650001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1052331	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	830188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	398235	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	248235	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	6.92	113	347740	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
50) Toluene-d8	10.41	98	815370	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
62) 4-Bromofluorobenzene	13.55	95	317749	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	129827	18.514	ug/l	99
3) Chloromethane	1.77	50	120185	21.209	ug/l	95
4) Vinyl Chloride	1.85	62	109873	20.750	ug/l	96
5) Bromomethane	2.16	94	21373	17.439	ug/l	90
6) Chloroethane	2.26	64	28538	17.207	ug/l	97
7) Trichlorofluoromethane	2.53	101	177381	22.186	ug/l	96
8) Diethyl Ether	2.88	74	44952	20.034	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	155645	19.801	ug/l	98
10) Methyl Iodide	3.31	142	204952	19.861	ug/l	98
11) Tert butyl alcohol	4.06	59	34222	103.640	ug/l	98
12) 1,1-Dichloroethene	3.13	96	130940	19.324	ug/l	96
13) Acrolein	3.04	56	28963	71.943	ug/l	95
14) Allyl chloride	3.62	41	185862	20.110	ug/l	99
15) Acrylonitrile	4.20	53	111123	97.763	ug/l	98
16) Acetone	3.22	43	138364	93.944	ug/l	97
17) Carbon Disulfide	3.38	76	410019	18.622	ug/l	99
18) Methyl Acetate	3.65	43	57697	20.821	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	236963	20.196	ug/l	99
20) Methylene Chloride	3.82	84	181383	21.703	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	147123	19.990	ug/l	94
22) Diisopropyl ether	5.12	45	383687	19.801	ug/l	98
23) Vinyl Acetate	5.05	43	1073357	100.390	ug/l	99
24) 1,1-Dichloroethane	4.98	63	241843	20.367	ug/l	99
25) 2-Butanone	6.06	43	168491	99.233	ug/l	94
26) 2,2-Dichloropropane	6.02	77	198070	20.486	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	156294	19.906	ug/l	96
28) Bromochloromethane	6.43	49	81882	18.694	ug/l	98
29) Tetrahydrofuran	6.45	42	76550	93.394	ug/l	98
30) Chloroform	6.66	83	254799	20.484	ug/l	98
31) Cyclohexane	6.95	56	174171	18.776	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	216747	19.884	ug/l	99
36) 1,1-Dichloropropene	7.14	75	183357	19.909	ug/l	98
37) Ethyl Acetate	6.17	43	81599	21.752	ug/l	99
38) Carbon Tetrachloride	7.11	117	229009	21.217	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061740.D
 Acq On : 11 Apr 2019 14:53
 Operator : VA/AP
 Sample : VD0411SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

Quant Time: Apr 12 01:00:00 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)
39) Methylcyclohexane	8.85	83	185527	19.621	ug/l	98
40) Benzene	7.45	78	493359	22.205	ug/l	100
41) Methacrylonitrile	6.43	41	88967	20.316	ug/l #	93
42) 1,2-Dichloroethane	7.57	62	159917	22.886	ug/l	98
43) Isopropyl Acetate	9.23	43	114803	21.087	ug/l #	98
44) Trichloroethene	8.54	130	182091	21.377	ug/l	93
45) 1,2-Dichloropropane	8.93	63	116995	21.233	ug/l	100
46) Dibromomethane	9.06	93	85890	21.810	ug/l	95
47) Bromodichloromethane	9.36	83	196190	22.683	ug/l	99
48) Methyl methacrylate	9.11	41	68435	21.807	ug/l	96
49) 1,4-Dioxane	9.08	88	15112	436.264	ug/l #	86
51) 4-Methyl-2-Pentanone	10.29	43	336877	104.630	ug/l	95
52) Toluene	10.50	92	301150	21.706	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	163189	21.524	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	202814	21.701	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	94833	20.266	ug/l	98
56) Ethyl methacrylate	11.04	69	109855	22.254	ug/l	96
57) 1,3-Dichloropropane	11.40	76	157210	22.941	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	243285	104.449	ug/l	99
59) 2-Hexanone	11.52	43	266182	106.527	ug/l	100
60) Dibromochloromethane	11.68	129	159007	21.508	ug/l	99
61) 1,2-Dibromoethane	11.80	107	116933	21.368	ug/l	100
64) Tetrachloroethene	11.26	164	144325	22.396	ug/l	92
65) Chlorobenzene	12.40	112	364504	22.140	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	151877	23.973	ug/l	99
67) Ethyl Benzene	12.52	91	618435	24.668	ug/l	98
68) m/p-Xylenes	12.66	106	442659	45.799	ug/l	96
69) o-Xylene	13.05	106	183802	19.700	ug/l	100
70) Styrene	13.07	104	346963	21.776	ug/l	100
71) Bromoform	13.23	173	94145	23.951	ug/l	100
73) Isopropylbenzene	13.40	105	623753	23.507	ug/l	98
74) N-amyl acetate	13.26	43	156619	21.724	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	112703	20.542	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	114806	21.190	ug/l	99
77) Bromobenzene	13.67	156	165446	21.481	ug/l	84
78) n-propylbenzene	13.77	91	677616	21.348	ug/l	100
79) 2-Chlorotoluene	13.83	91	401056	22.095	ug/l	94
80) 1,3,5-Trimethylbenzene	13.92	105	488887	23.213	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	34126	20.756	ug/l	89
82) 4-Chlorotoluene	13.94	91	444805	22.364	ug/l	96
83) tert-Butylbenzene	14.19	119	536480	21.127	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	469848	22.104	ug/l	98
85) sec-Butylbenzene	14.37	105	637931	23.252	ug/l	96
86) p-Isopropyltoluene	14.48	119	517350	21.737	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	283602	21.395	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	280192	20.950	ug/l	99
89) n-Butylbenzene	14.79	91	461954	22.331	ug/l	98
90) Hexachloroethane	15.01	117	151536	23.465	ug/l	71
91) 1,2-Dichlorobenzene	14.80	146	242861	22.230	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13677	20.657	ug/l	62

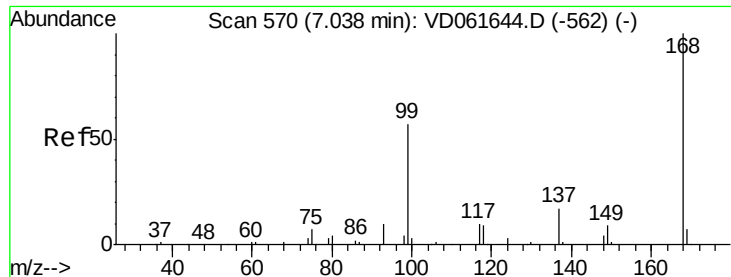
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
Data File : VD061740.D
Acq On : 11 Apr 2019 14:53
Operator : VA/AP
Sample : VD0411SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

Quant Time: Apr 12 01:00:00 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)
93) 1,2,4-Trichlorobenzene	15.94	180	104130	18.709	ug/l	99
94) Hexachlorobutadiene	16.03	225	87087	20.263	ug/l	99
95) Naphthalene	16.12	128	179598	20.393	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	48765	17.555	ug/l	97

(#) = 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: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

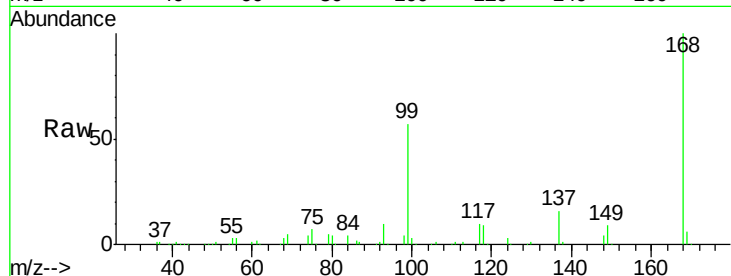
VD0411SBSD01

Tot Ion:168 Resp: 650001

Ion Ratio Lower Upper

168 100

99 57.5 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

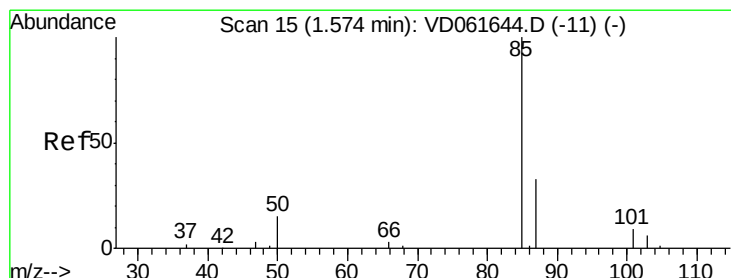
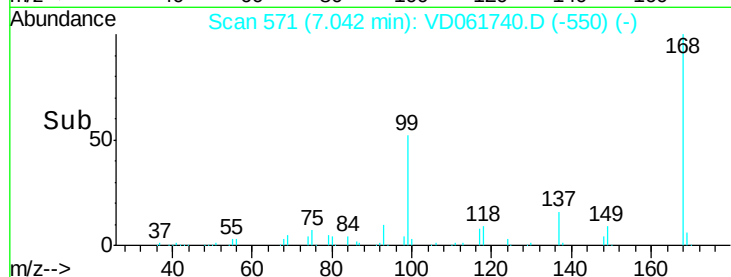
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 18.514 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061740.D

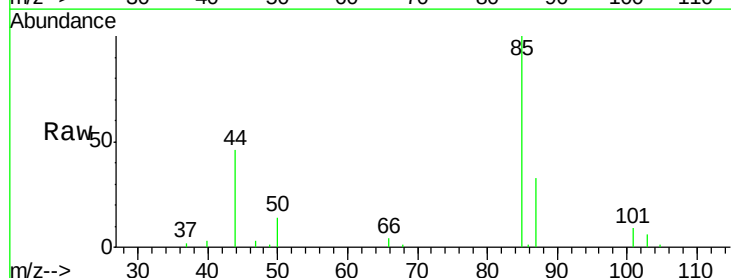
Acq: 11 Apr 2019 14:53

Tgt Ion: 85 Resp: 129827

Ion Ratio Lower Upper

85 100

87 32.6 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

60000

50000

40000

30000

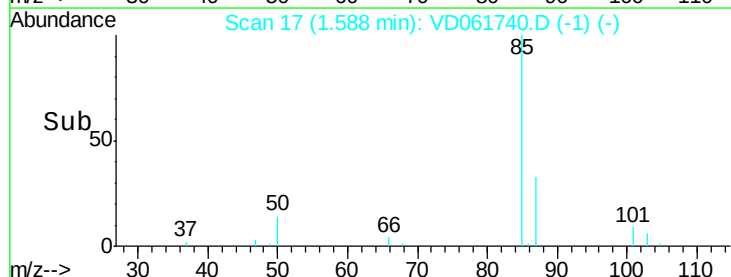
20000

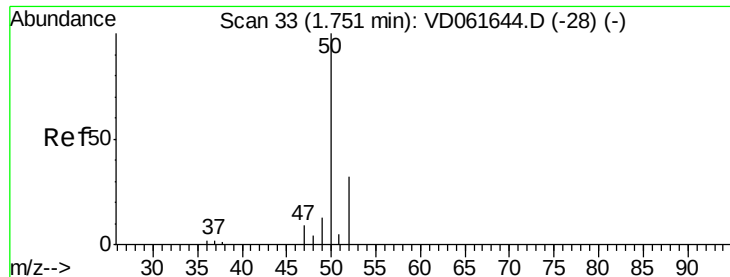
10000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 21.209 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

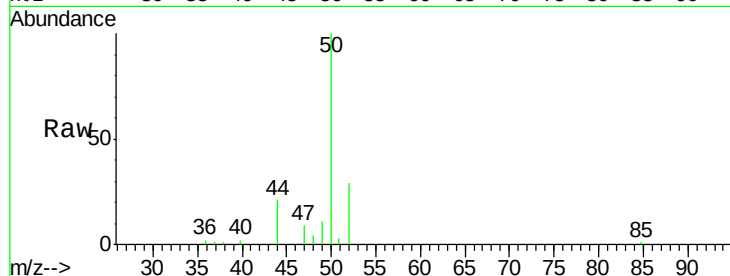
VD0411SBSD01

Tot Ion: 50 Resp: 120185

Ion Ratio Lower Upper

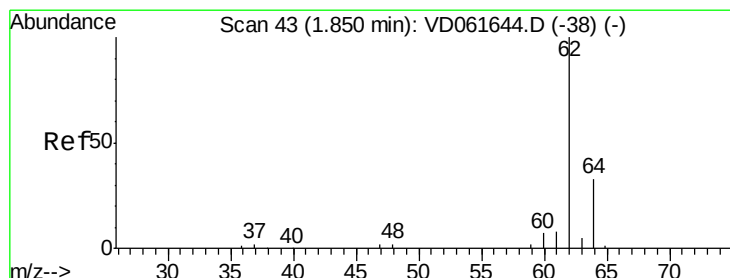
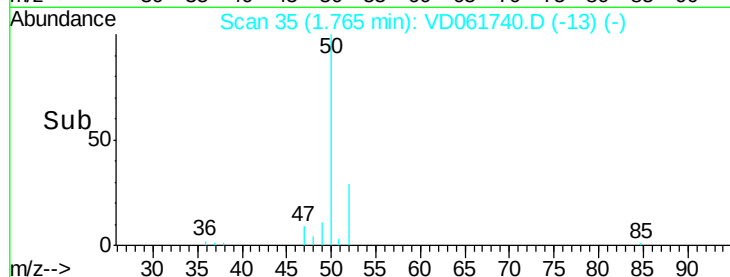
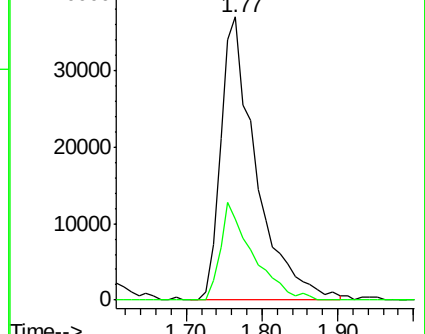
50 100

52 28.5 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.750 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061740.D

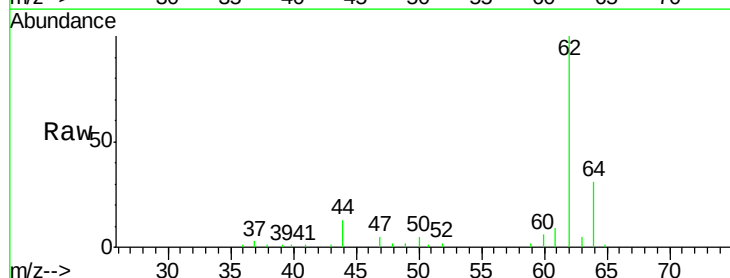
Acq: 11 Apr 2019 14:53

Tgt Ion: 62 Resp: 109873

Ion Ratio Lower Upper

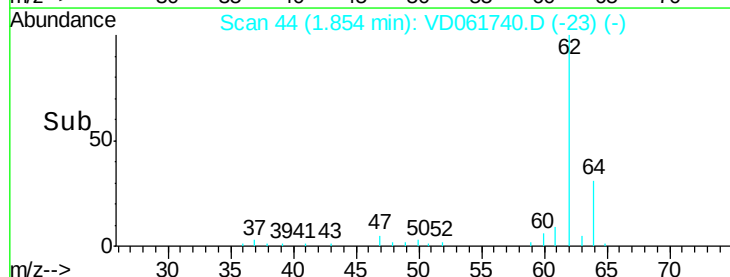
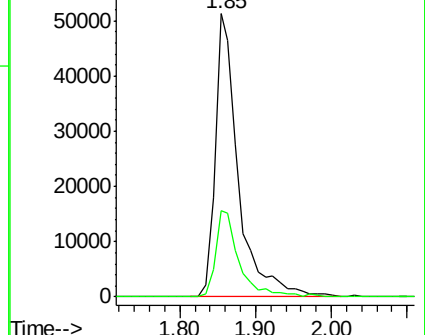
62 100

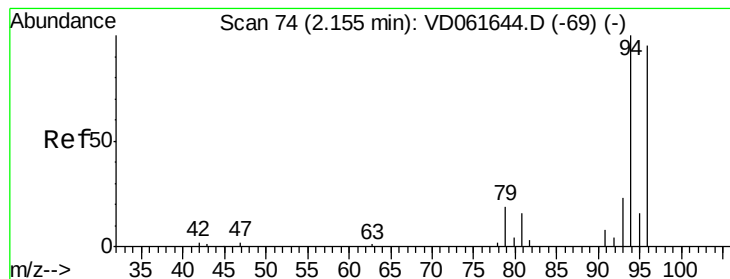
64 30.6 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.439 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

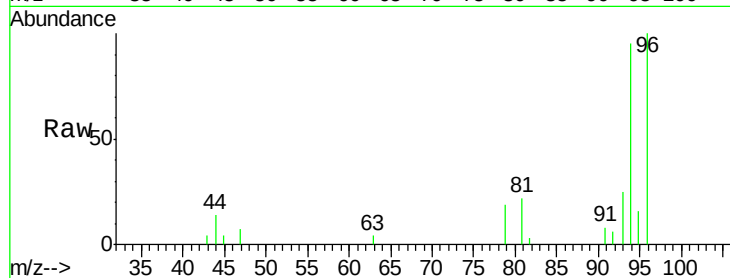
Tot Ion: 94 Resp: 21373

Ion Ratio Lower Upper

94 100

96 105.3 75.8 113.8

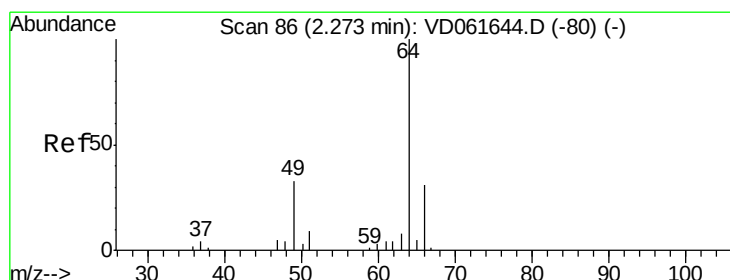
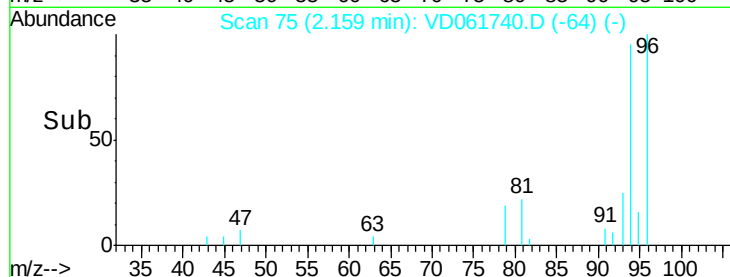
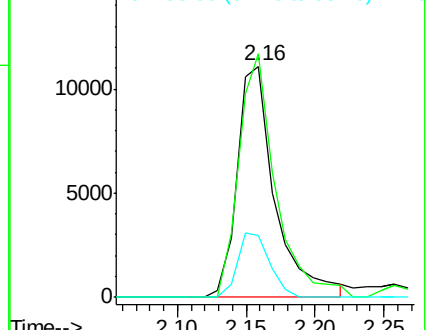
93 26.8 18.6 28.0



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 17.207 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061740.D

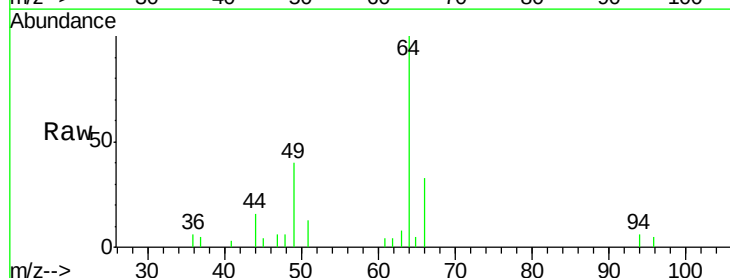
Acq: 11 Apr 2019 14:53

Tgt Ion: 64 Resp: 28538

Ion Ratio Lower Upper

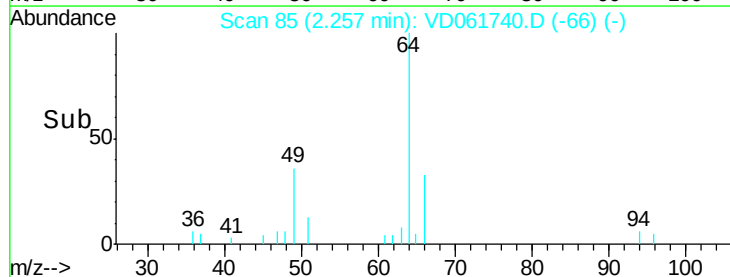
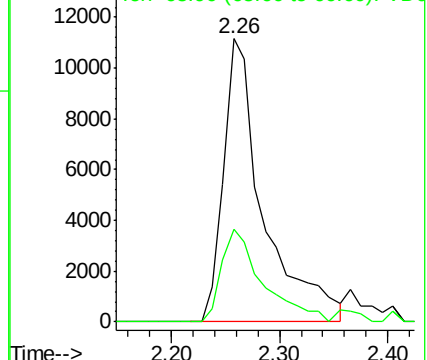
64 100

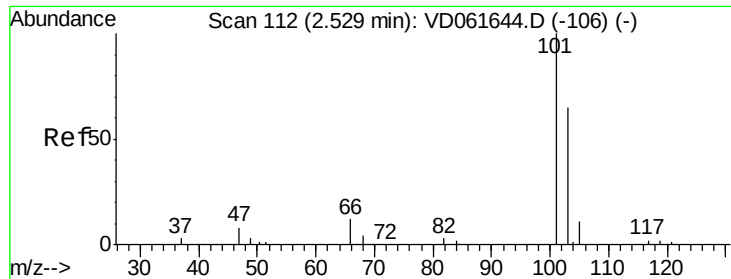
66 32.9 24.9 37.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



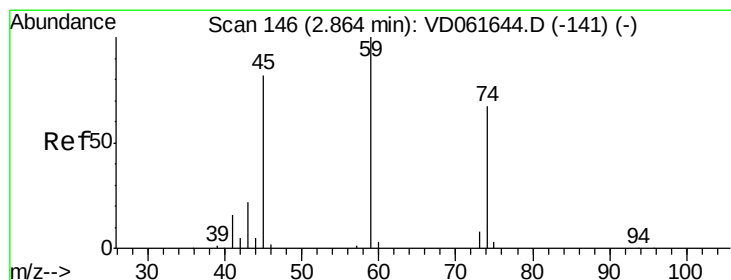
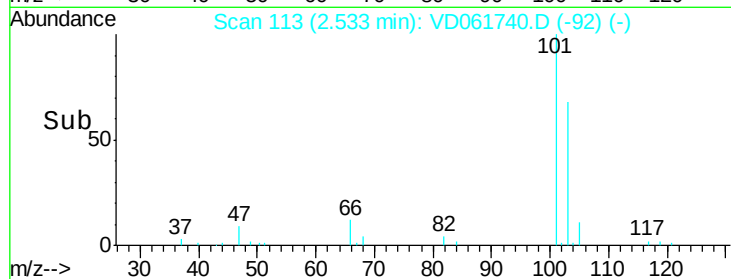
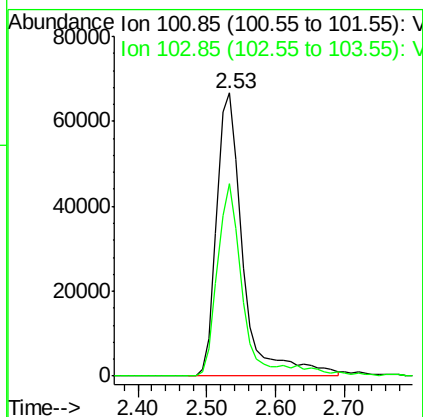
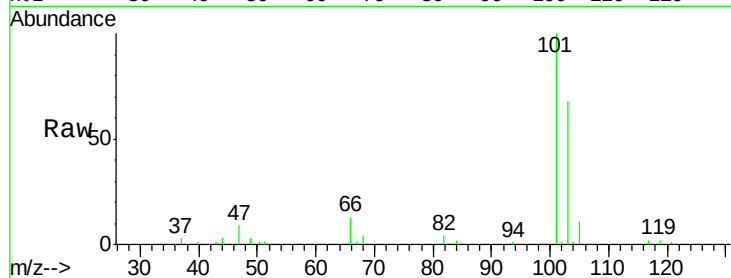


#7

Trichlorofluoromethane
 Concen: 22.186 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

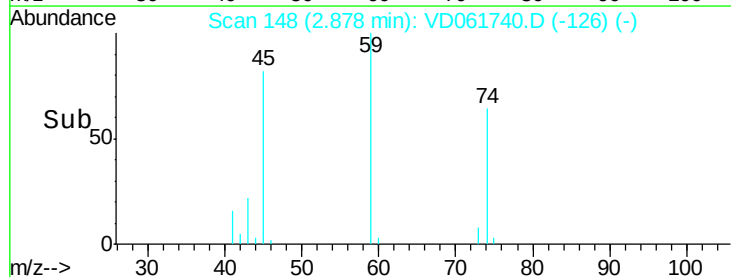
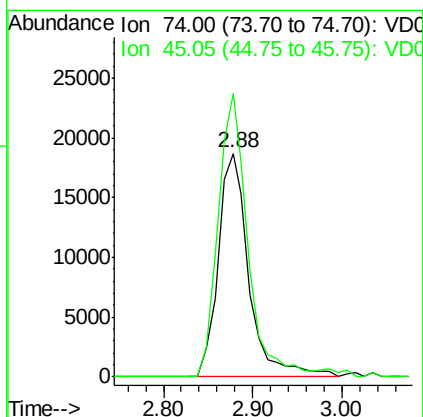
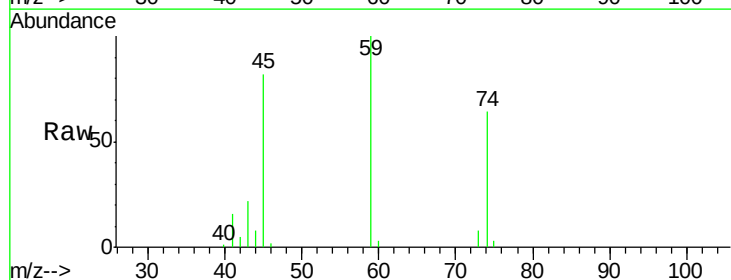
Tot Ion:101 Resp: 177381
 Ion Ratio Lower Upper
 101 100
 103 68.0 52.0 78.0

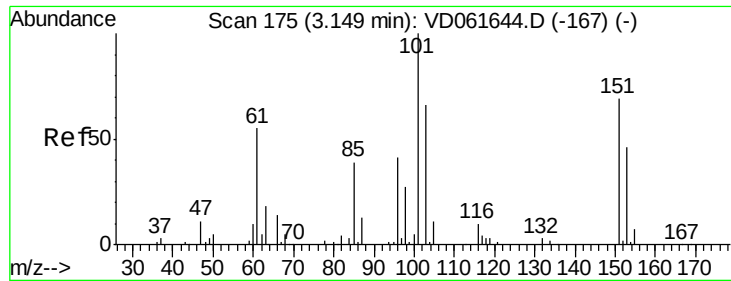


#8

Diethyl Ether
 Concen: 20.034 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion: 74 Resp: 44952
 Ion Ratio Lower Upper
 74 100
 45 126.7 61.0 183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.801 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

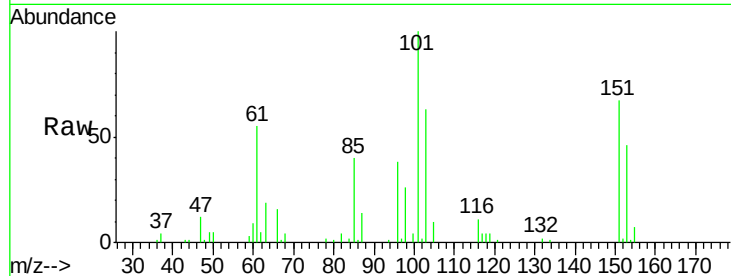
Tot Ion:101 Resp: 155645

Ion Ratio Lower Upper

101 100

85 40.5 31.0 46.6

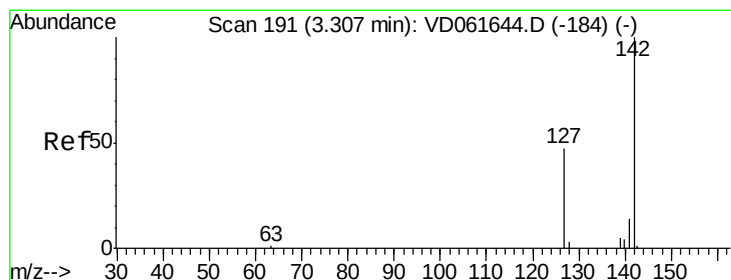
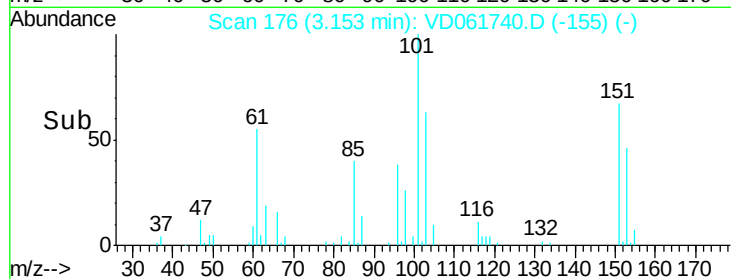
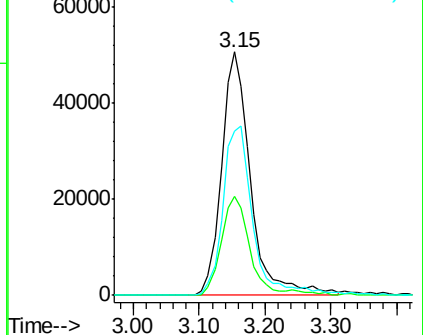
151 67.4 55.3 82.9



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: 19.861 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

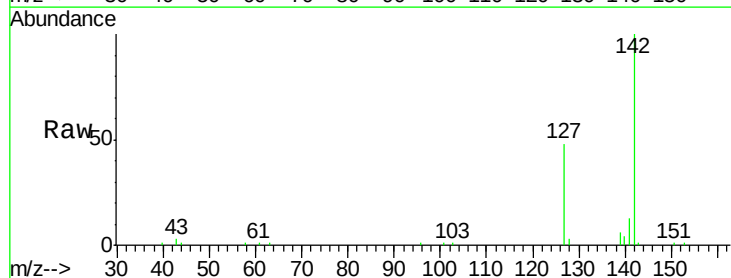
Tgt Ion:142 Resp: 204952

Ion Ratio Lower Upper

142 100

127 48.0 37.2 55.8

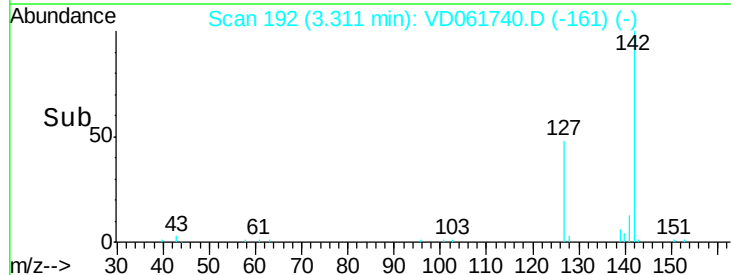
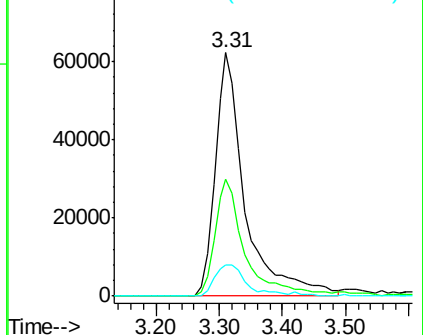
141 13.0 10.8 16.2

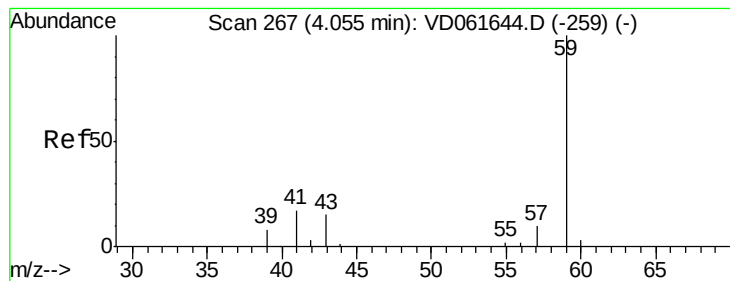


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



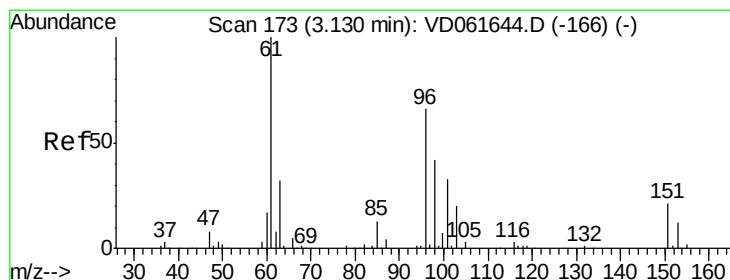
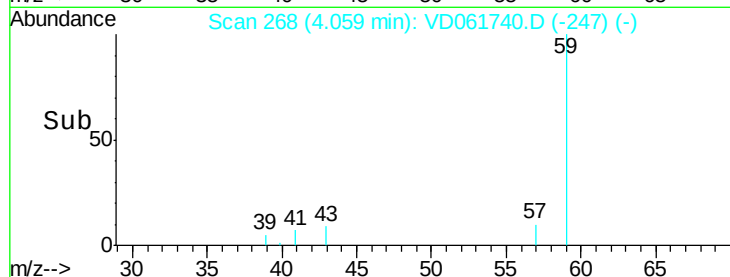
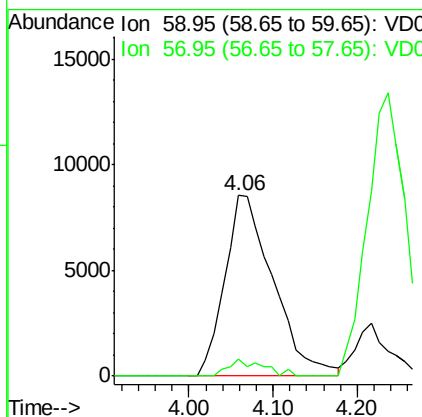
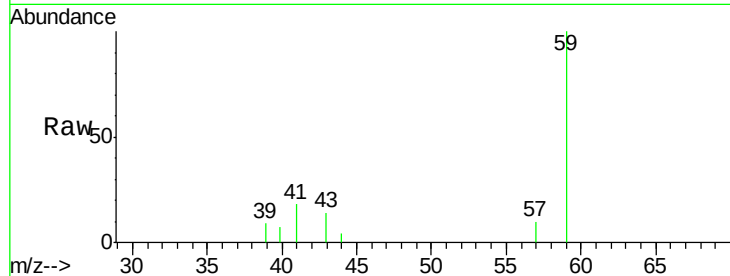


#11

Tert butyl alcohol
 Concen: 103.640 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

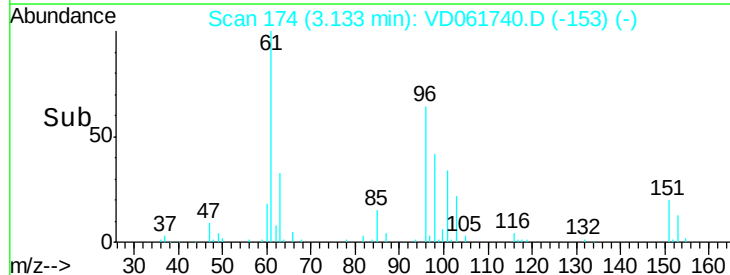
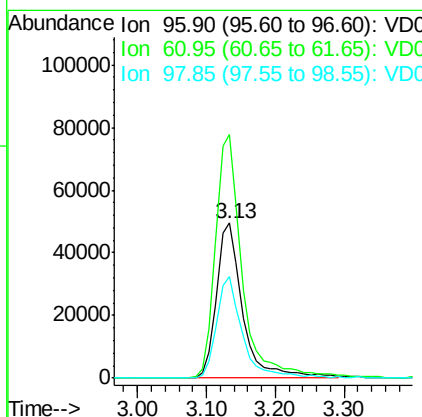
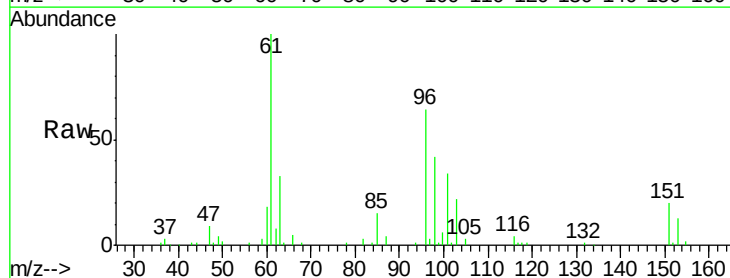
Tot Ion: 59 Resp: 34222
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.4 12.6

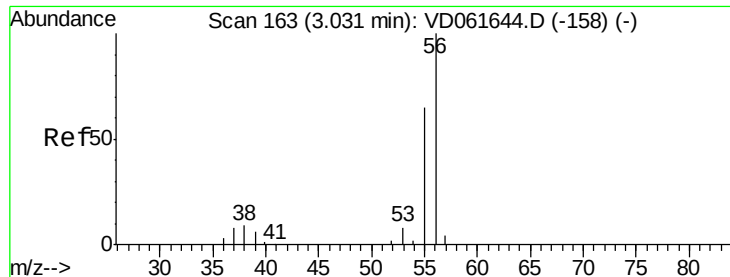


#12

1,1-Dichloroethene
 Concen: 19.324 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion: 96 Resp: 130940
 Ion Ratio Lower Upper
 96 100
 61 157.0 121.3 181.9
 98 65.5 50.6 76.0





#13

Acrolein

Concen: 71.943 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

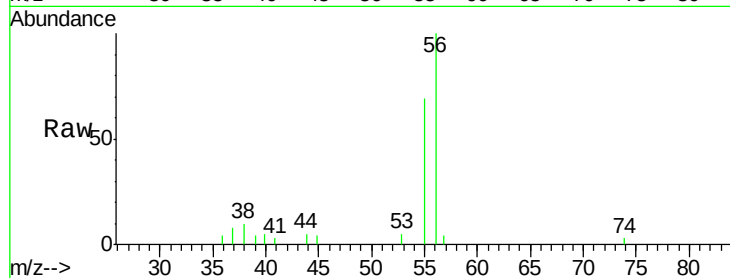
VD0411SBSD01

Tot Ion: 56 Resp: 28963

Ion Ratio Lower Upper

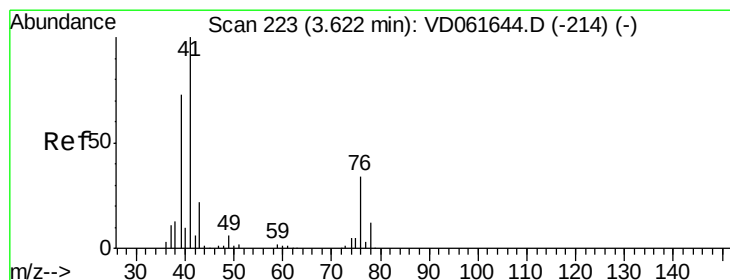
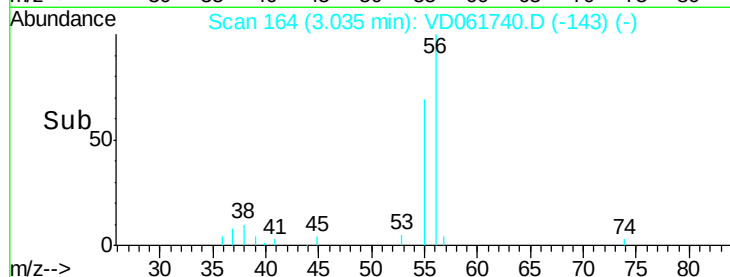
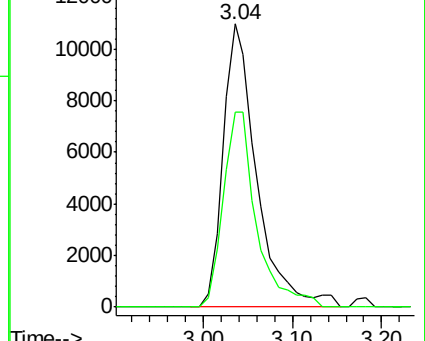
56 100

55 68.9 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.110 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

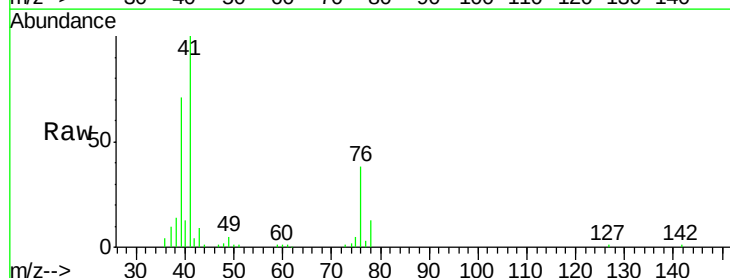
Tgt Ion: 41 Resp: 185862

Ion Ratio Lower Upper

41 100

39 71.4 58.2 87.4

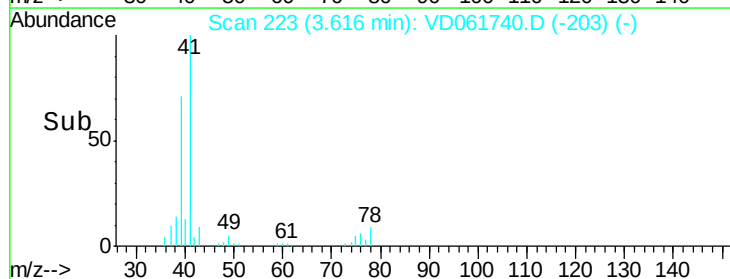
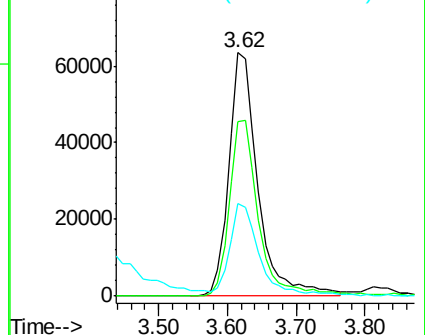
76 37.8 29.8 44.6

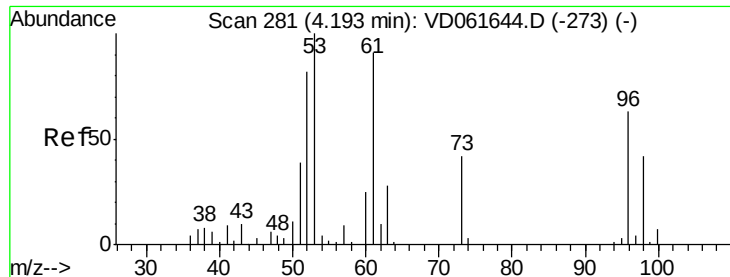


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 97.763 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

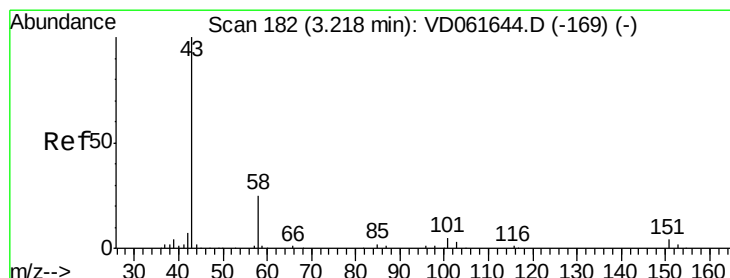
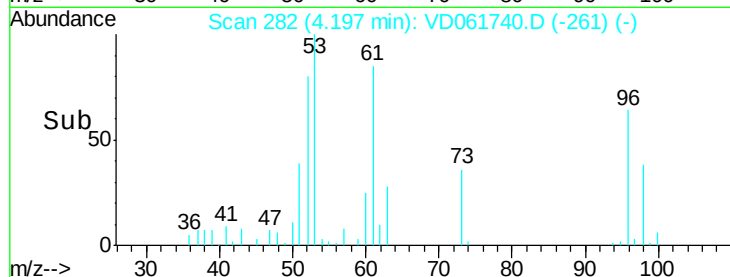
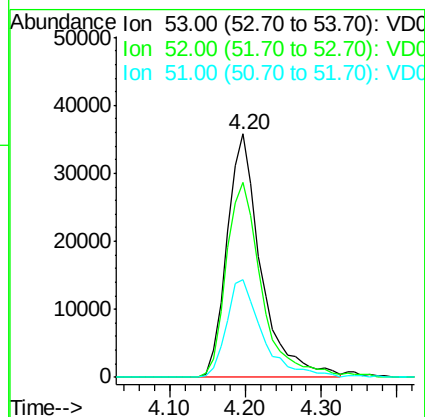
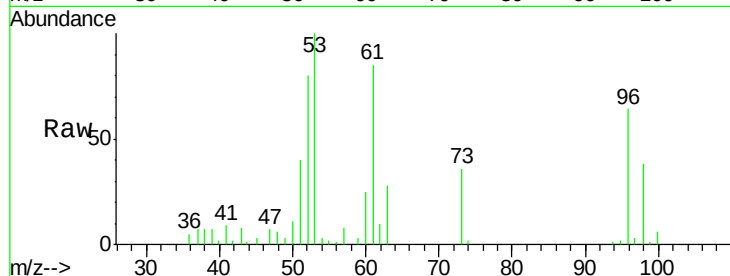
Tot Ion: 53 Resp: 111123

Ion Ratio Lower Upper

53 100

52 79.8 65.9 98.9

51 40.0 31.4 47.2



#16

Acetone

Concen: 93.944 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061740.D

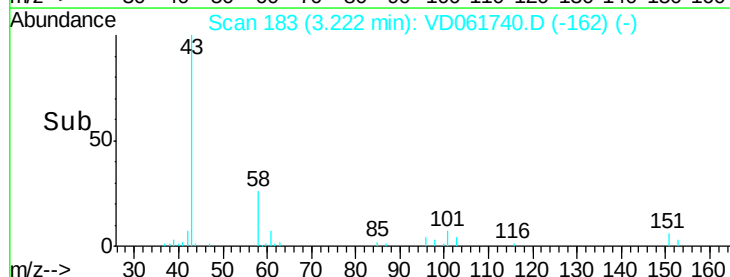
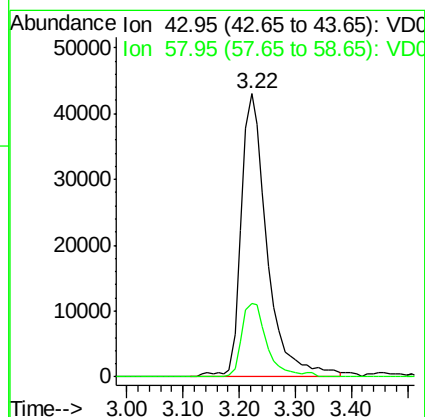
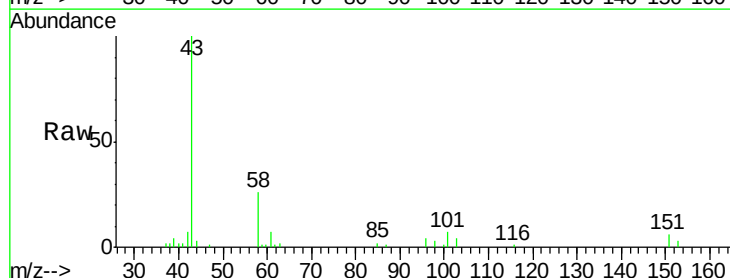
Acq: 11 Apr 2019 14:53

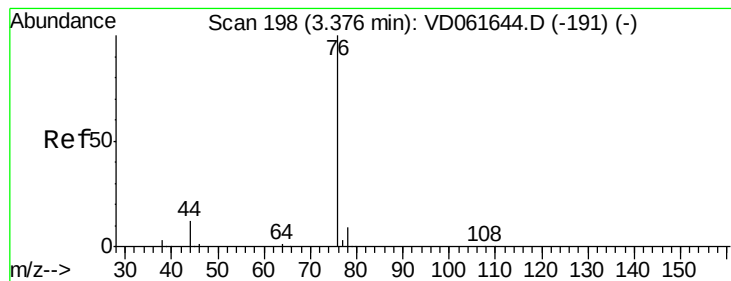
Tgt Ion: 43 Resp: 138364

Ion Ratio Lower Upper

43 100

58 26.0 19.7 29.5





#17

Carbon Disulfide

Concen: 18.622 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

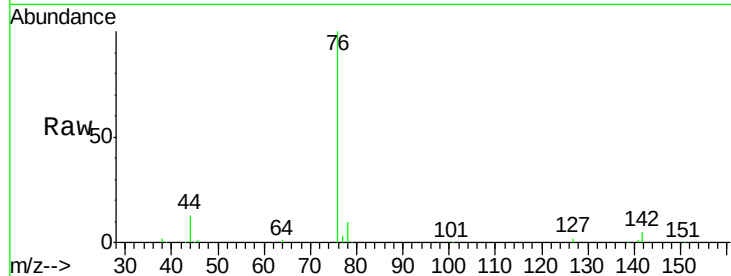
VD0411SBSD01

Tot Ion: 76 Resp: 410019

Ion Ratio Lower Upper

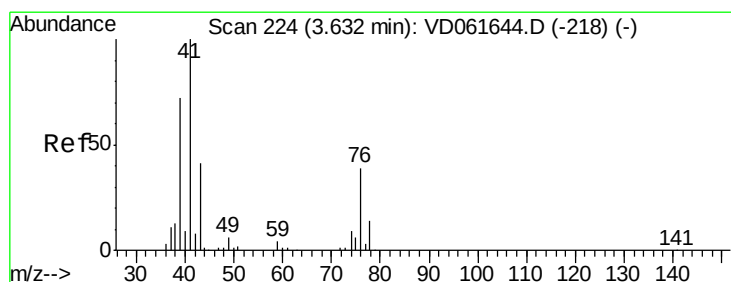
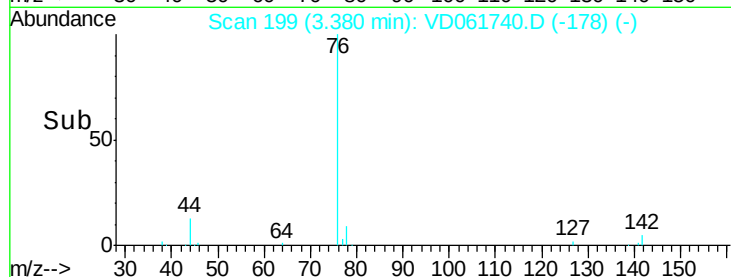
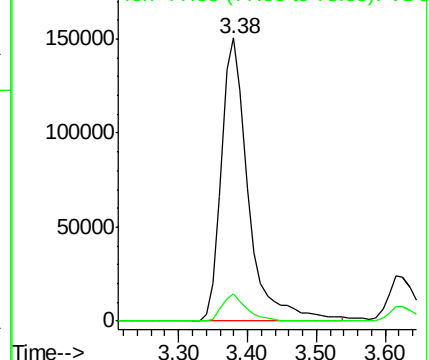
76 100

78 9.6 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: 20.821 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD061740.D

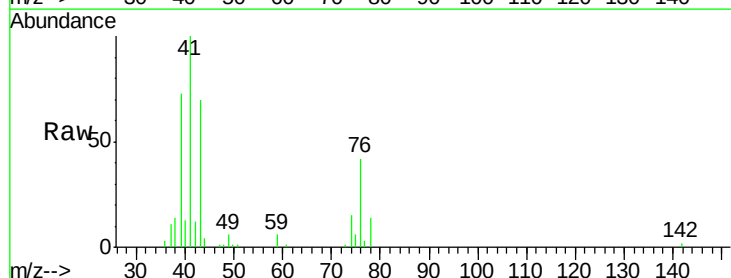
Acq: 11 Apr 2019 14:53

Tgt Ion: 43 Resp: 57697

Ion Ratio Lower Upper

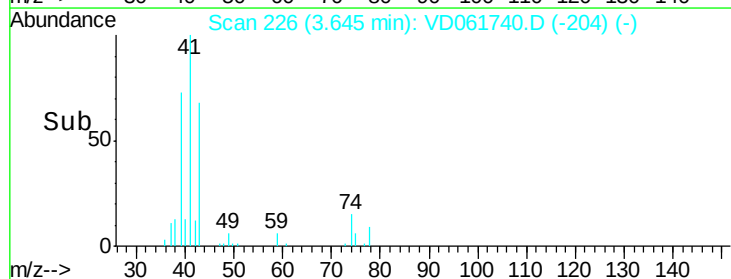
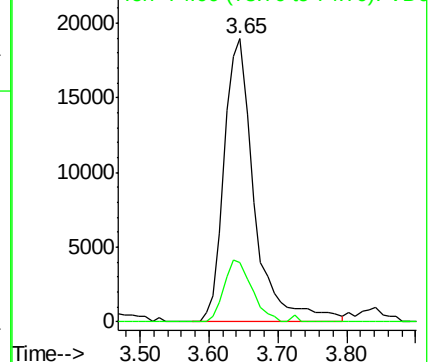
43 100

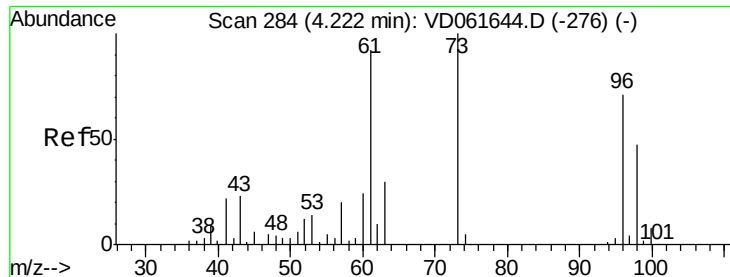
74 20.9 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

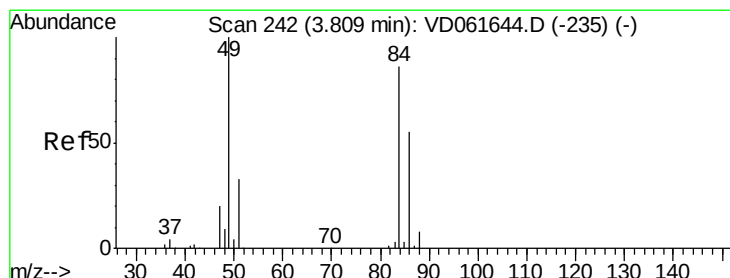
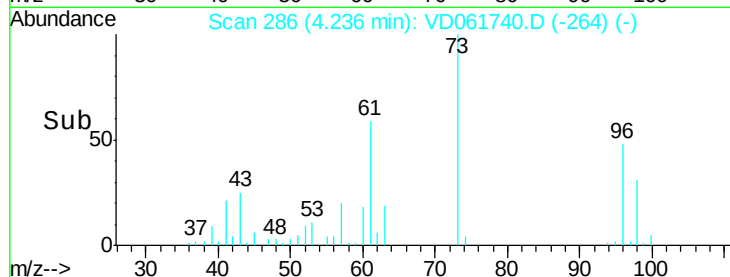
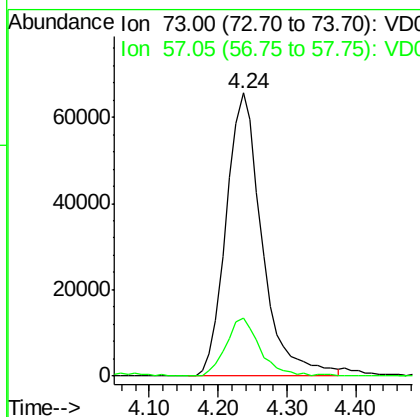
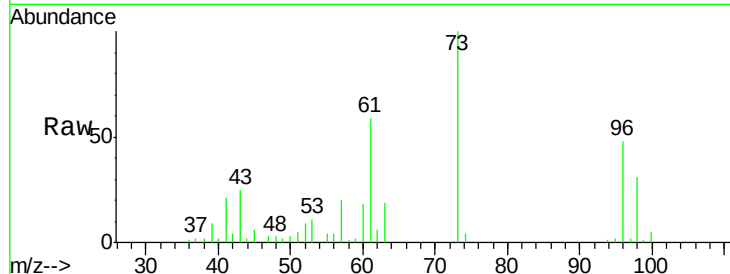




#19
Methyl tert-butyl Ether
Concen: 20.196 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

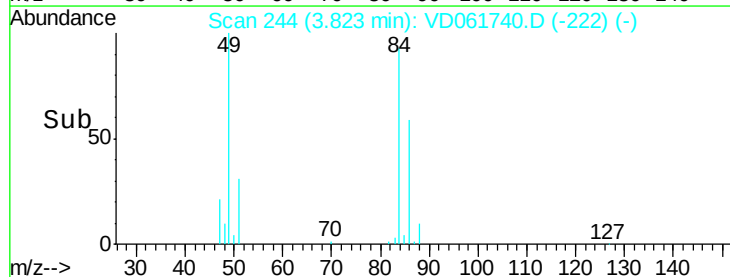
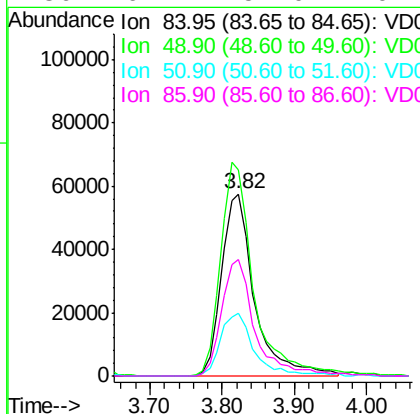
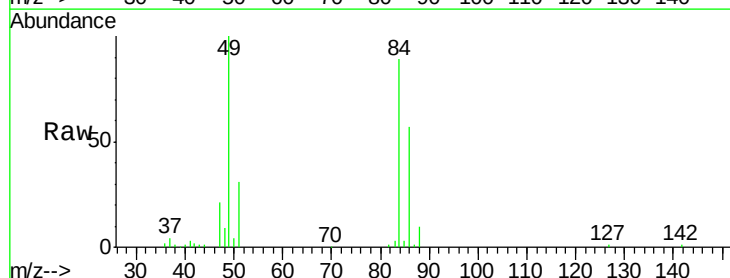
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS01

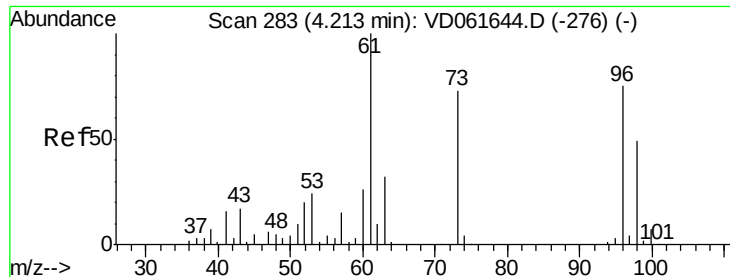
Tot Ion: 73 Resp: 236963
Ion Ratio Lower Upper
73 100
57 20.4 16.0 24.0



#20
Methylene Chloride
Concen: 21.703 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion: 84 Resp: 181383
Ion Ratio Lower Upper
84 100
49 112.8 93.0 139.4
51 34.6 30.4 45.6
86 64.1 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.990 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

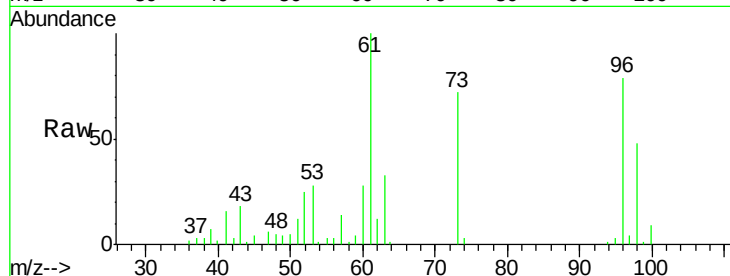
Tot Ion: 96 Resp: 147123

Ion Ratio Lower Upper

96 100

61 126.7 106.8 160.2

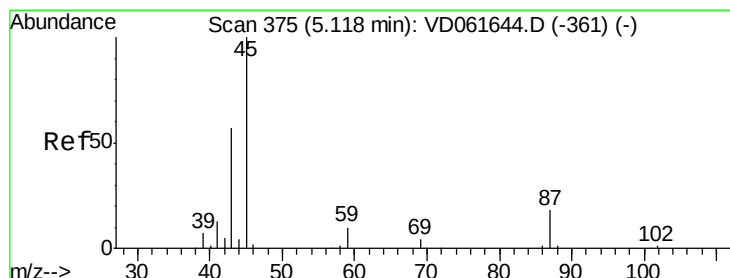
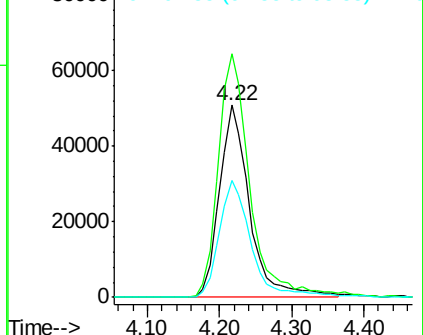
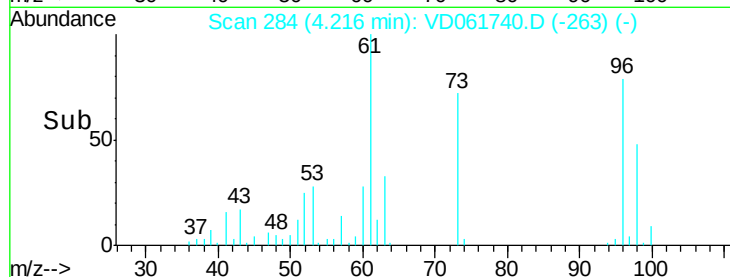
98 60.6 52.2 78.2



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: 19.801 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Tgt Ion: 45 Resp: 383687

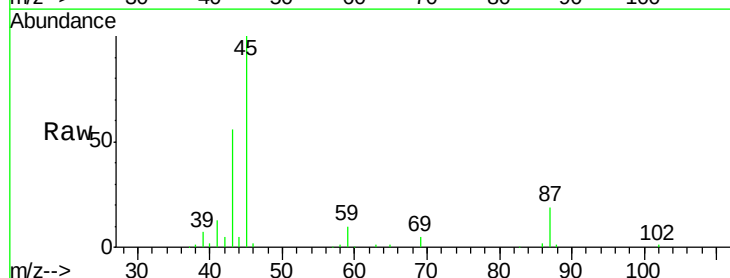
Ion Ratio Lower Upper

45 100

43 56.1 46.6 70.0

87 19.4 15.6 23.4

59 9.5 8.6 13.0

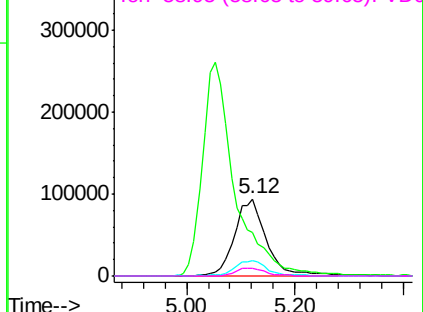
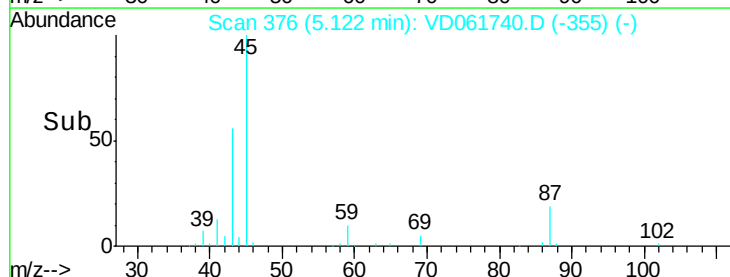


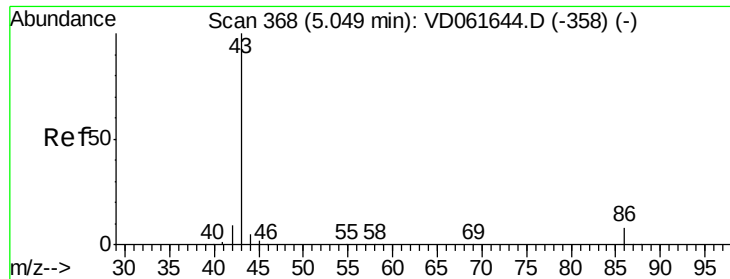
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 100.390 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

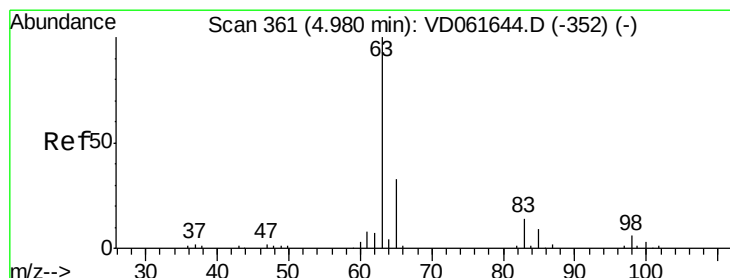
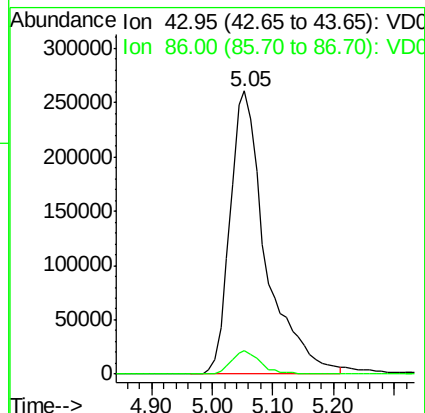
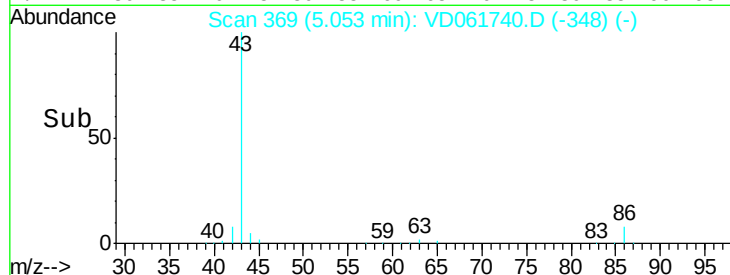
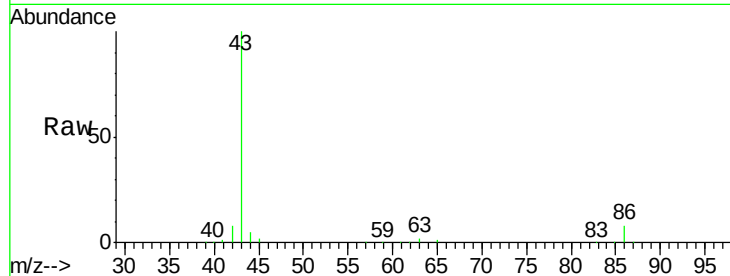
VD0411SBSD01

Tot Ion: 43 Resp: 1073357

Ion Ratio Lower Upper

43 100

86 8.2 6.4 9.6



#24

1,1-Dichloroethane

Concen: 20.367 ug/l

RT: 4.98 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

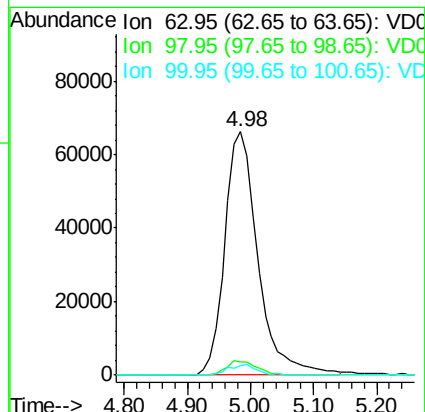
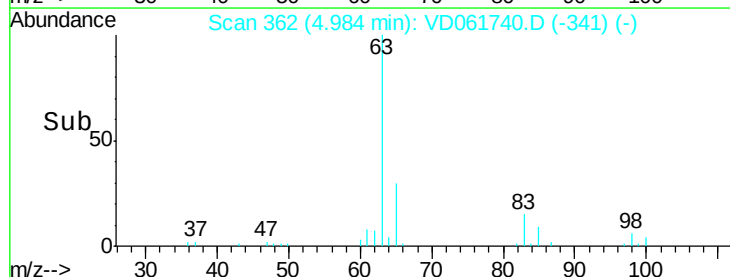
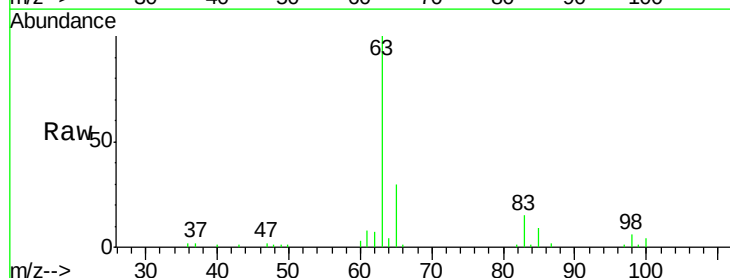
Tgt Ion: 63 Resp: 241843

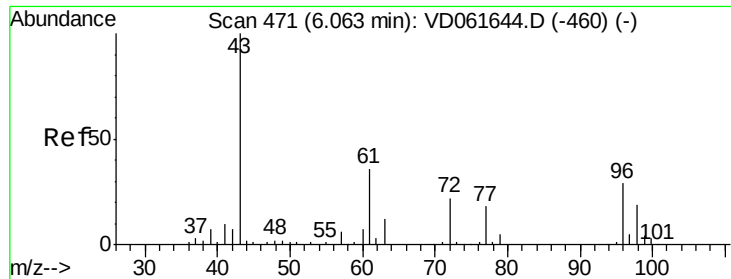
Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

100 3.9 1.7 5.1





#25

2-Butanone

Concen: 99.233 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

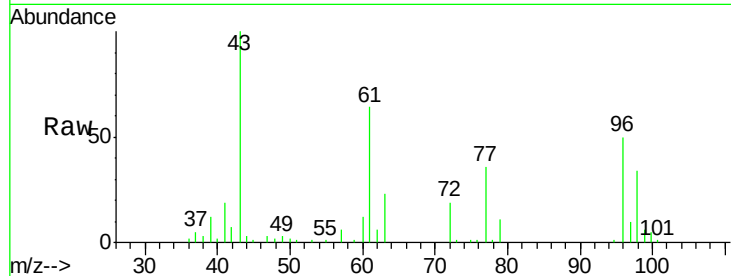
VD0411SBSD01

Tot Ion: 43 Resp: 168491

Ion Ratio Lower Upper

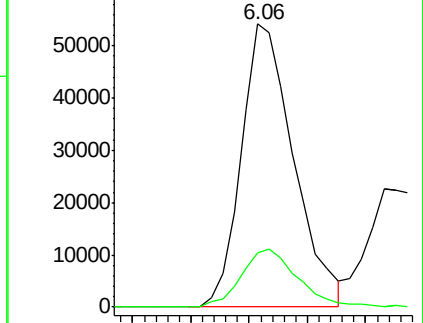
43 100

72 19.1 17.4 26.2

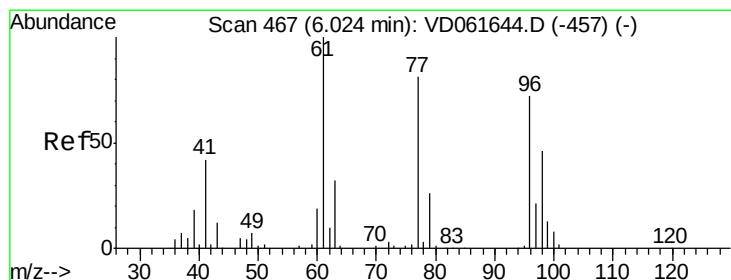
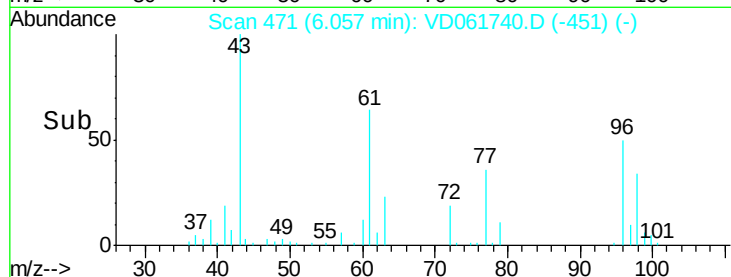


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 20.486 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD061740.D

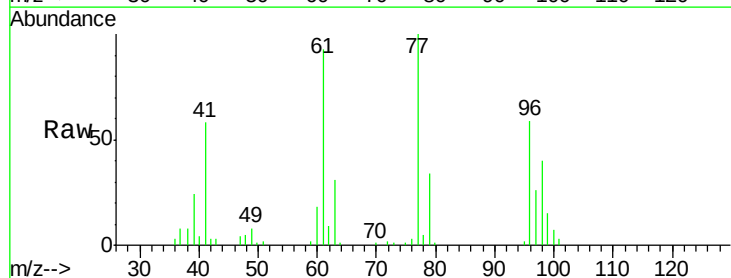
Acq: 11 Apr 2019 14:53

Tgt Ion: 77 Resp: 198070

Ion Ratio Lower Upper

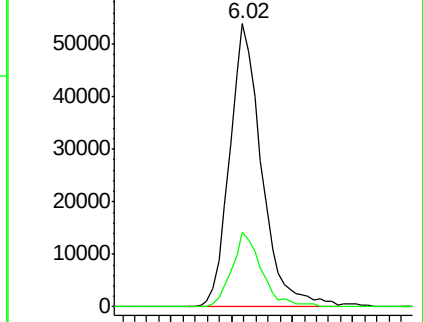
77 100

97 26.3 12.7 38.0

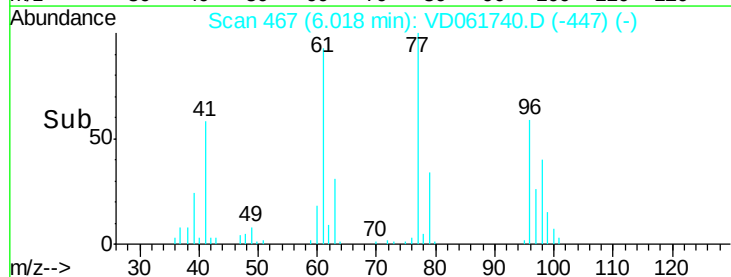


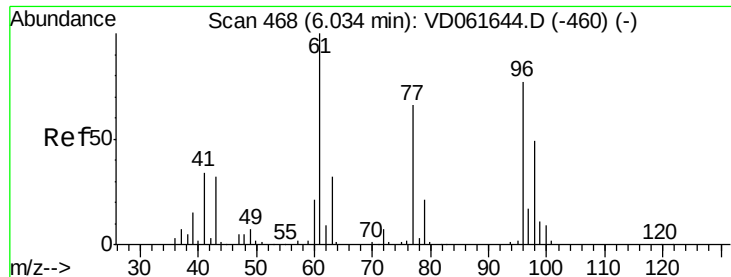
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



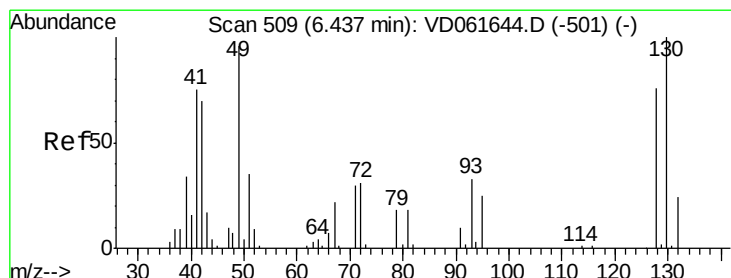
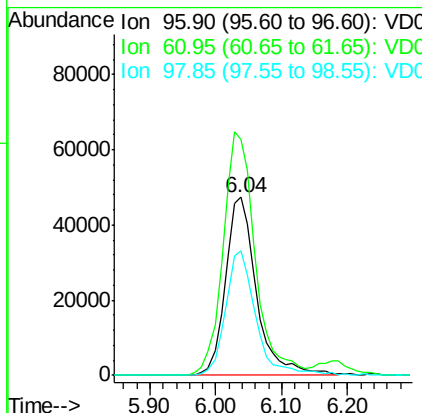
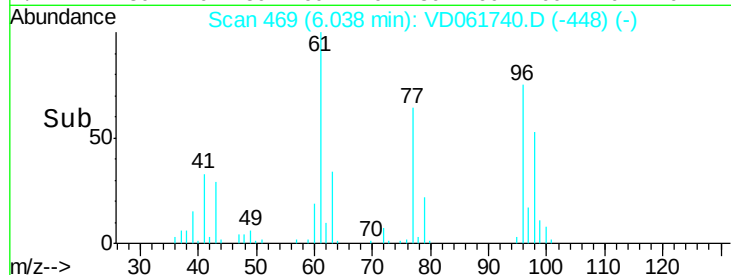
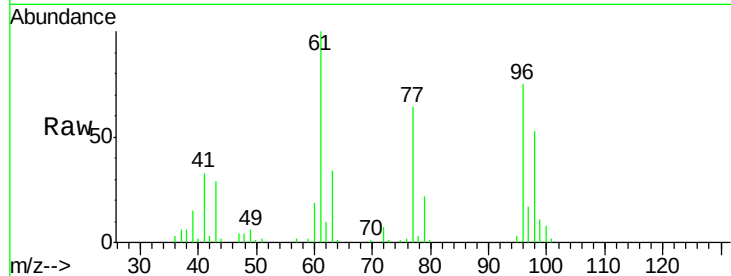


#27

cis-1,2-Dichloroethene
 Concen: 19.906 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

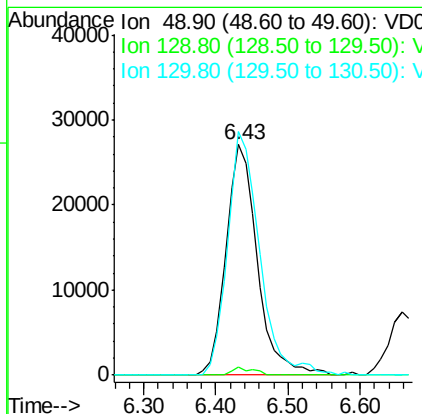
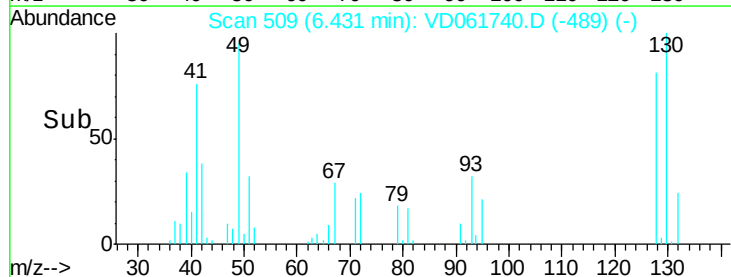
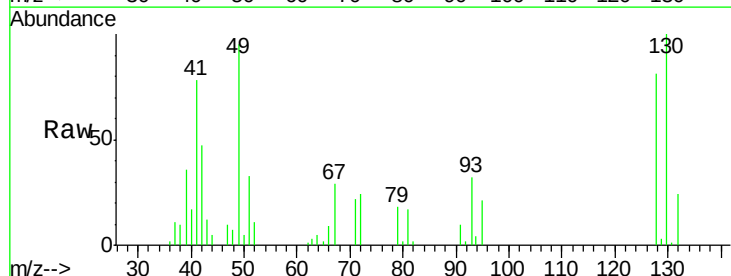
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	259.8
98	69.9	0.0	127.6

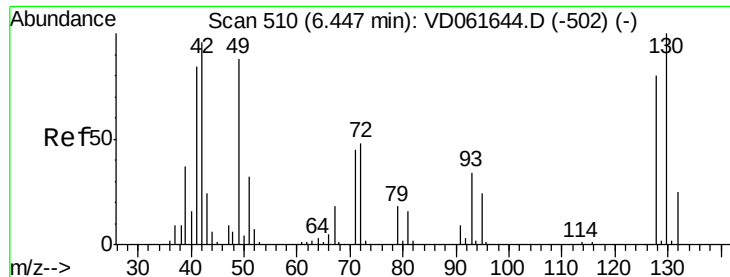


#28

Bromochloromethane
 Concen: 18.694 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	4.0
130	105.6	83.3	124.9

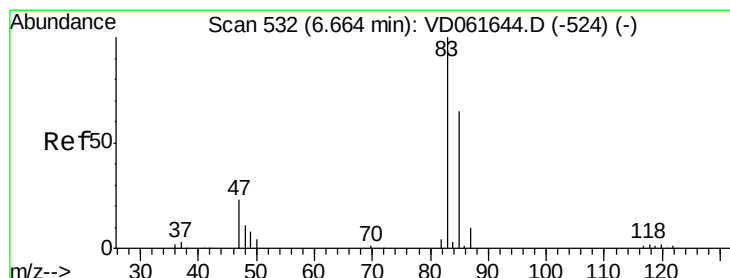
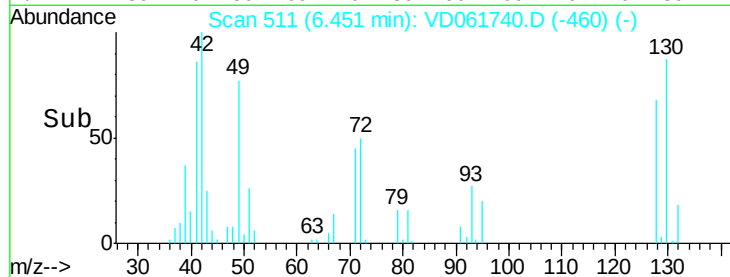
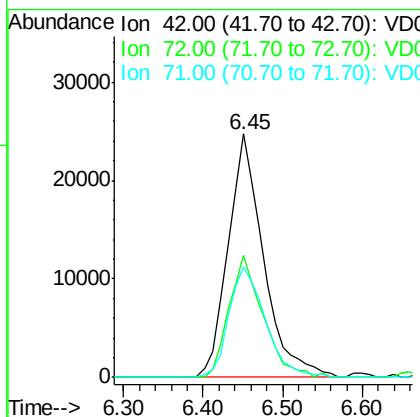
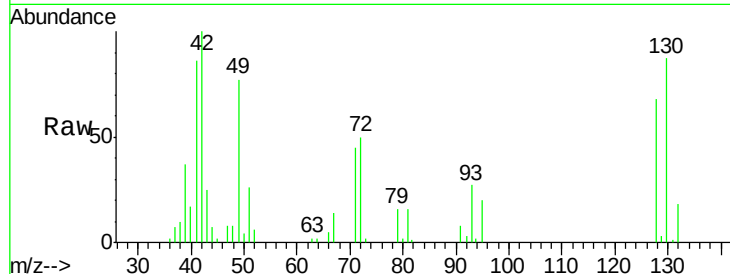




#29
Tetrahydrofuran
Concen: 93.394 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

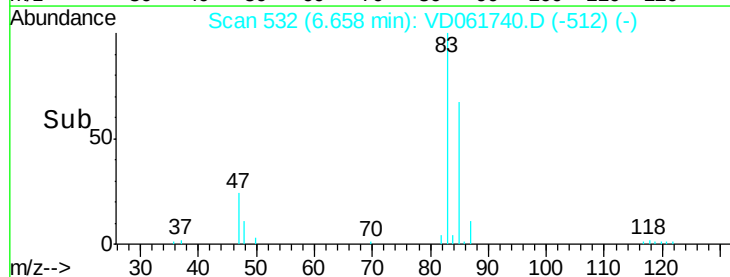
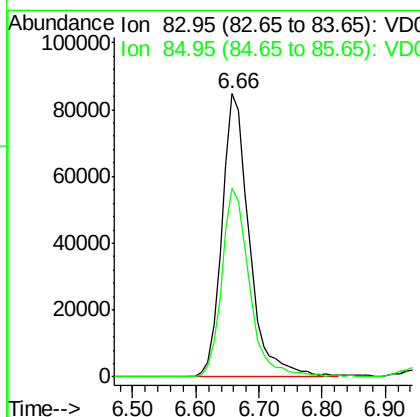
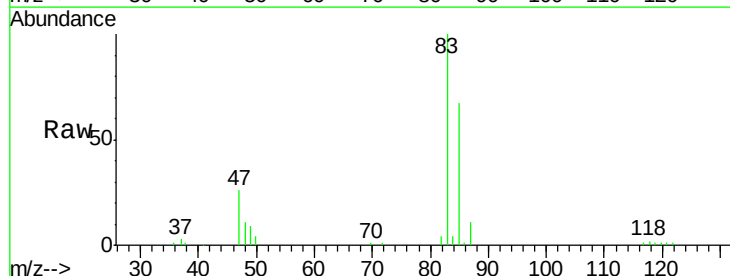
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

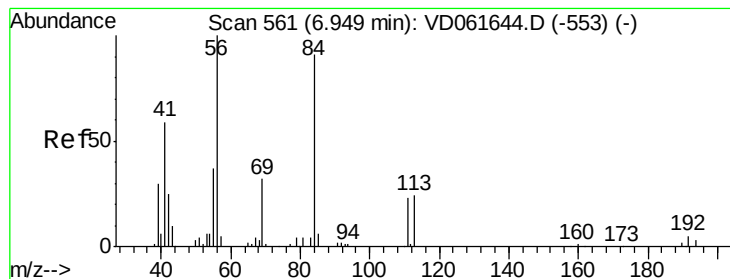
Tot Ion: 42 Resp: 76550
Ion Ratio Lower Upper
42 100
72 48.3 37.0 55.6
71 46.7 36.5 54.7



#30
Chloroform
Concen: 20.484 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion: 83 Resp: 254799
Ion Ratio Lower Upper
83 100
85 66.7 51.9 77.9





#31

Cyclohexane

Concen: 18.776 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

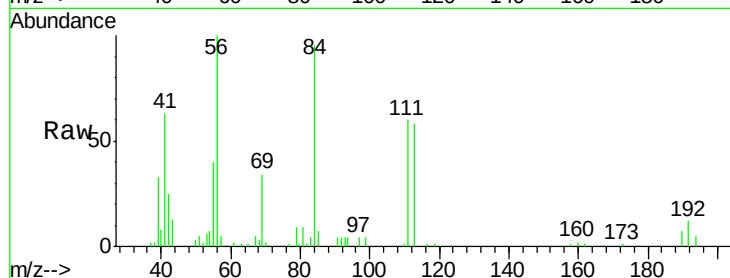
Tot Ion: 56 Resp: 174171

Ion Ratio Lower Upper

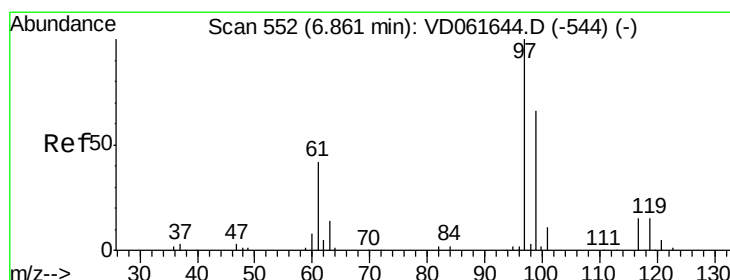
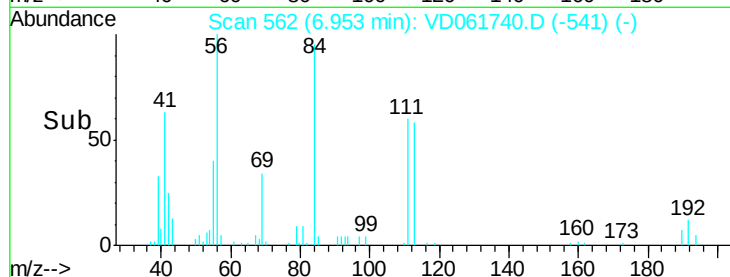
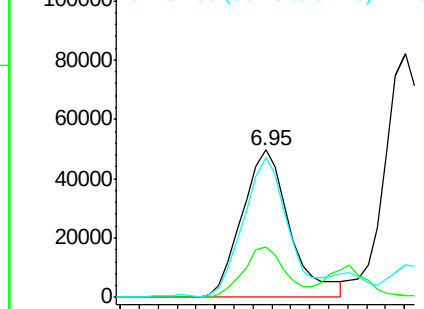
56 100

69 34.3 25.8 38.6

84 95.0 74.2 111.2



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



#32

1,1,1-Trichloroethane

Concen: 19.884 ug/l

RT: 6.86 min Scan# 553

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

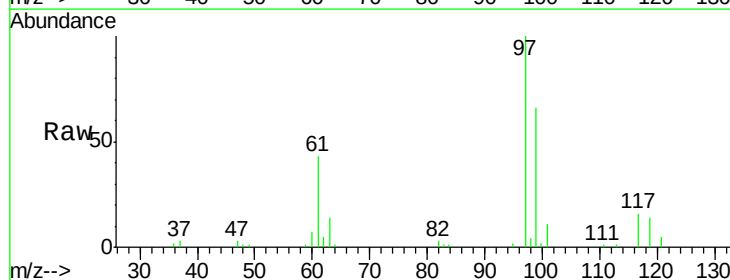
Tgt Ion: 97 Resp: 216747

Ion Ratio Lower Upper

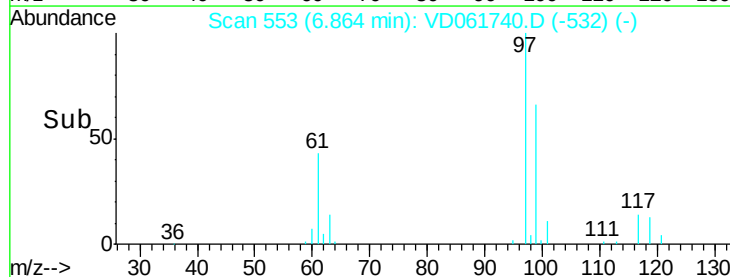
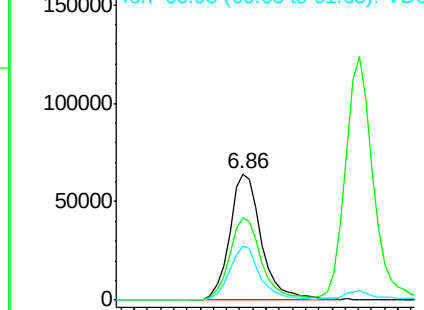
97 100

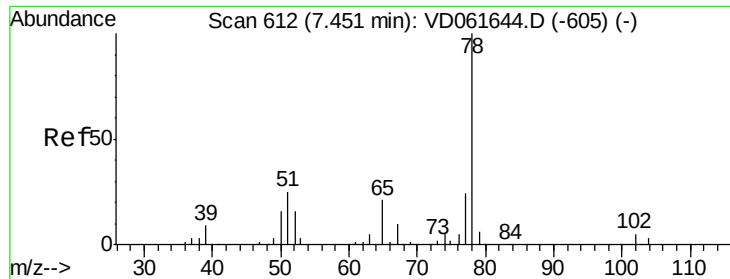
99 65.6 52.5 78.7

61 43.4 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

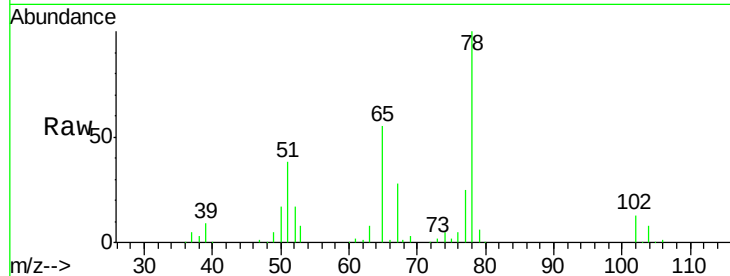




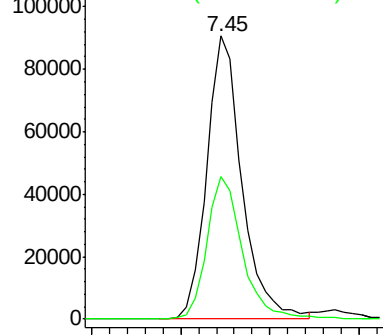
#33
 1,2-Dichloroethane-d4
 Concen: 19.884 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

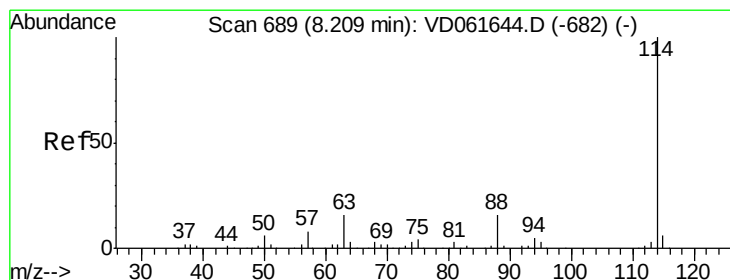
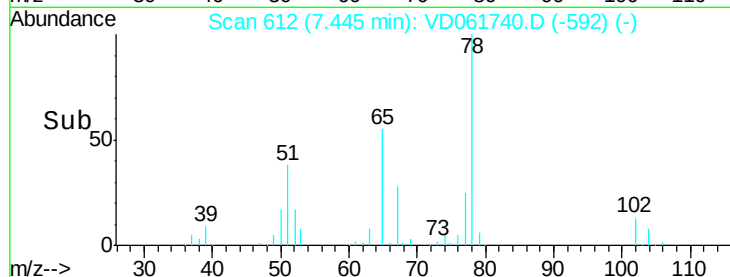
Tot Ion: 65 Resp: 248235
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 99.4



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

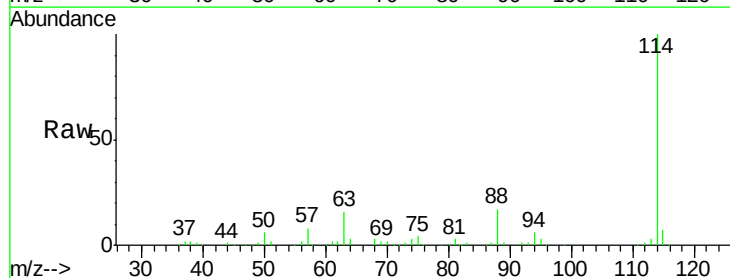


Time--> 7.30 7.40 7.50 7.60

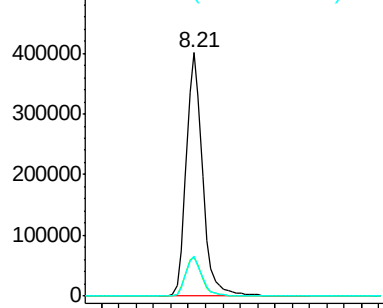


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

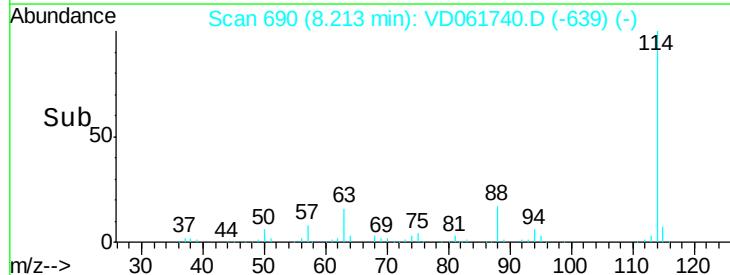
Tgt Ion: 114 Resp: 1052331
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.2
 88 16.6 0.0 31.8

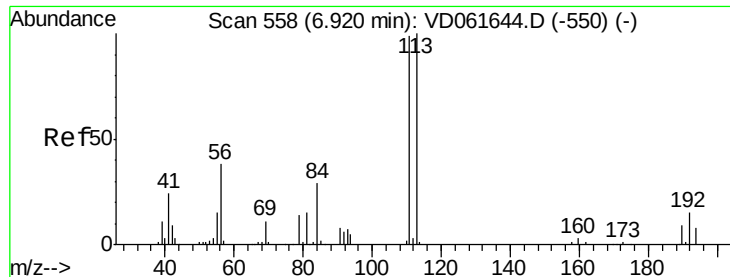


Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC



Time--> 8.00 8.20 8.40 8.60





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

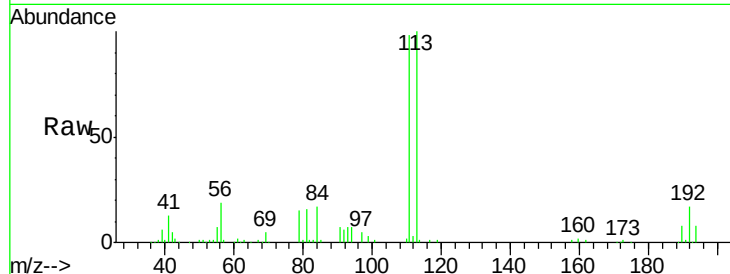
Tot Ion:113 Resp: 347740

Ion Ratio Lower Upper

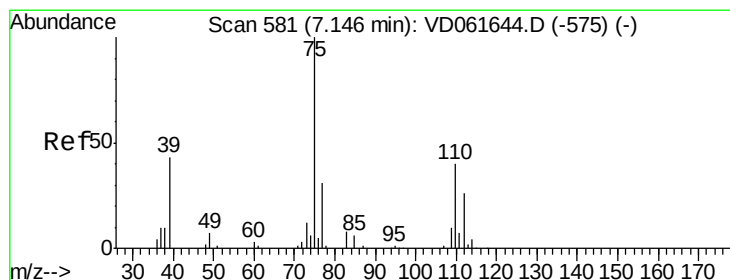
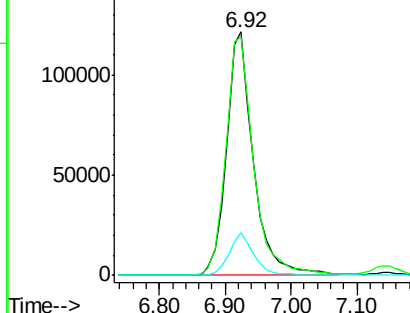
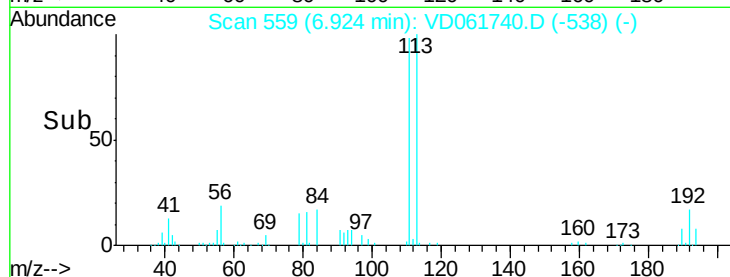
113 100

111 98.1 79.3 118.9

192 17.4 12.3 18.5



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



#36

1,1-Dichloropropene

Concen: 19.909 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

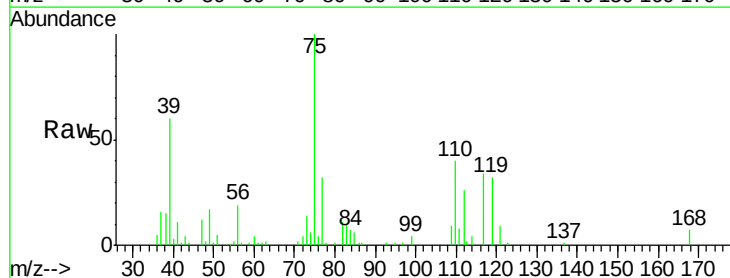
Tgt Ion: 75 Resp: 183357

Ion Ratio Lower Upper

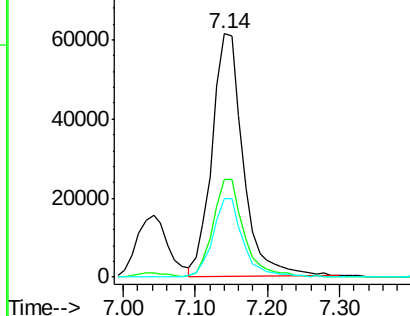
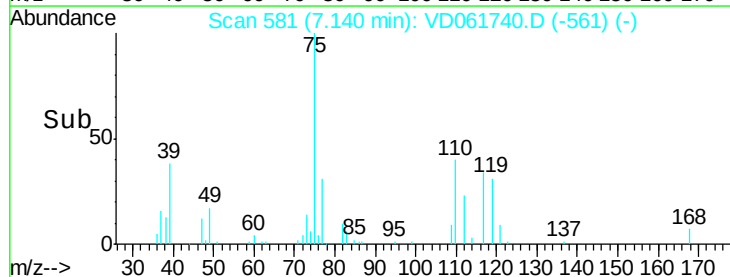
75 100

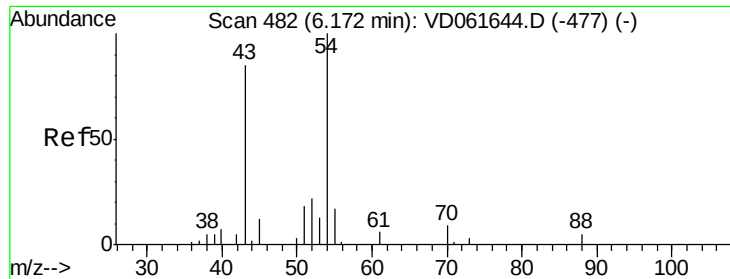
110 40.0 19.7 59.0

77 32.4 24.8 37.2



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

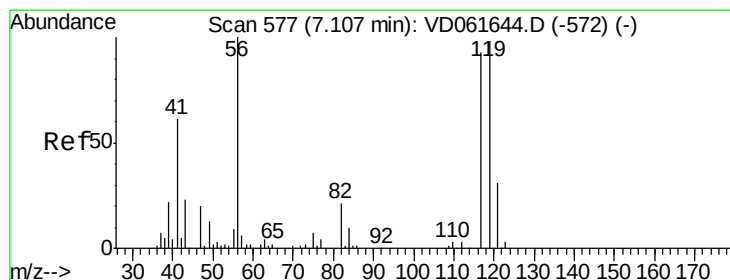
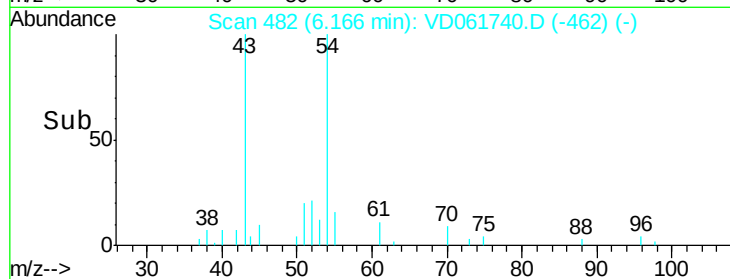
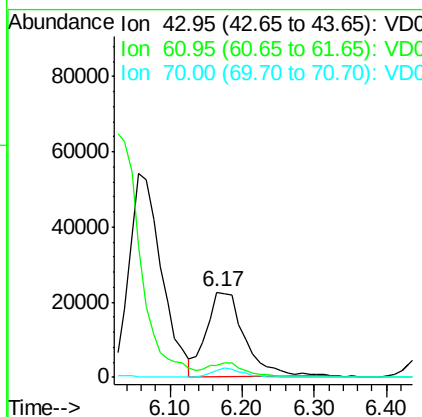
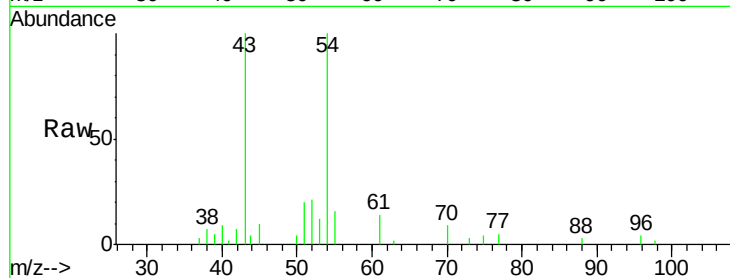




#37
Ethyl Acetate
Concen: 21.752 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

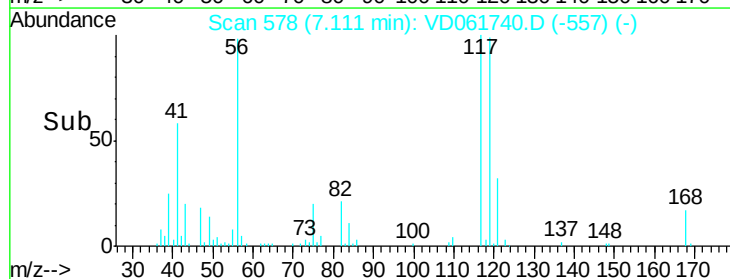
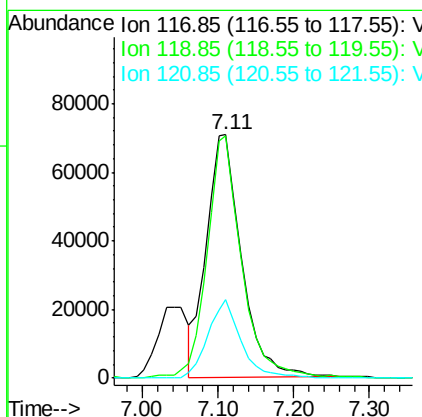
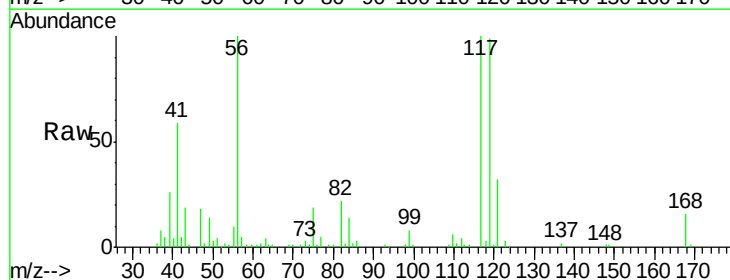
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS01

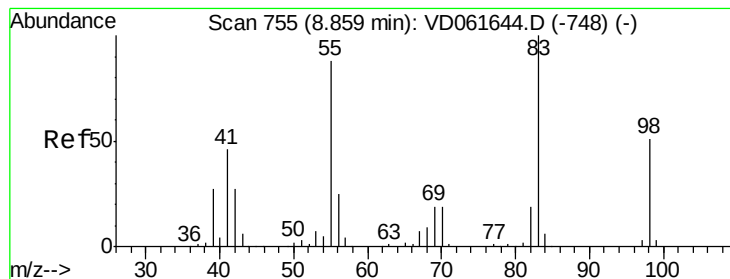
Tot Ion: 43 Resp: 81599
Ion Ratio Lower Upper
43 100
61 14.5 11.9 17.9
70 8.8 6.9 10.3



#38
Carbon Tetrachloride
Concen: 21.217 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion: 117 Resp: 229009
Ion Ratio Lower Upper
117 100
119 99.3 77.9 116.9
121 32.4 24.7 37.1





#39

Methylvlcyclohexane

Concen: 19.621 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

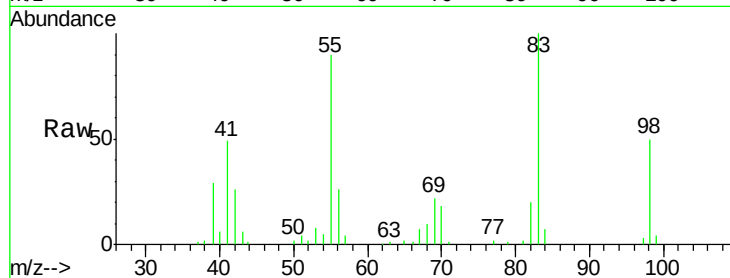
Tot Ion: 83 Resp: 185527

Ion Ratio Lower Upper

83 100

55 89.9 70.3 105.5

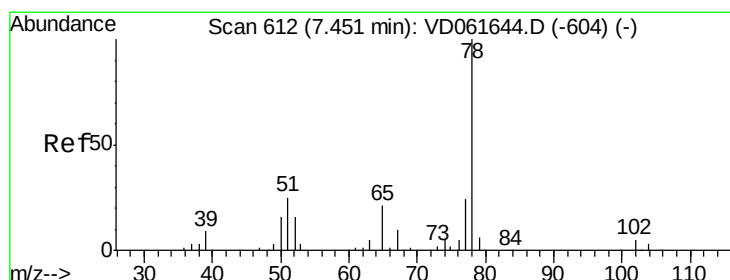
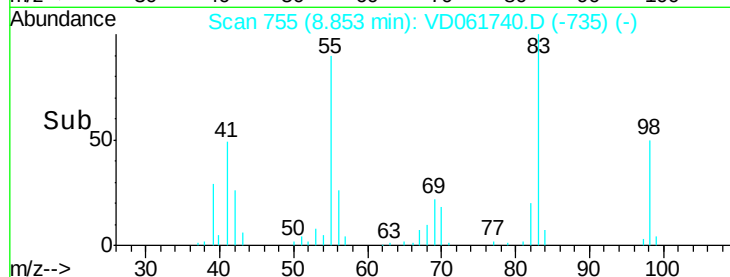
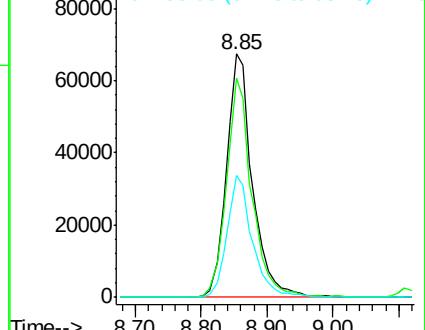
98 50.0 41.0 61.6



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: 22.205 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061740.D

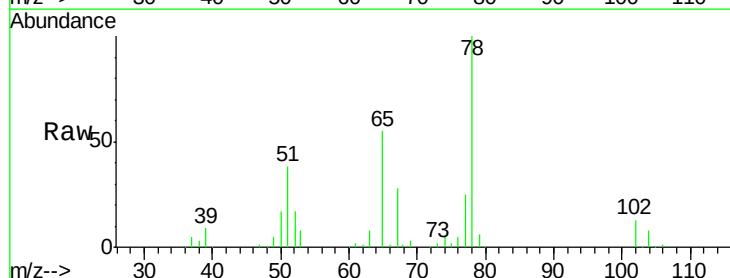
Acq: 11 Apr 2019 14:53

Tgt Ion: 78 Resp: 493359

Ion Ratio Lower Upper

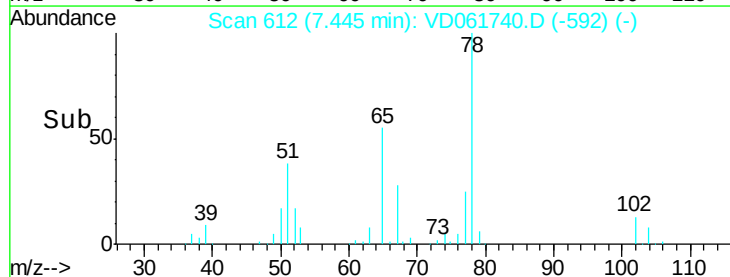
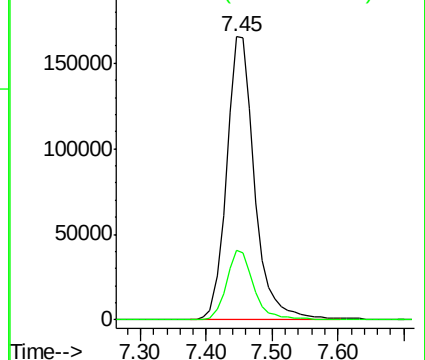
78 100

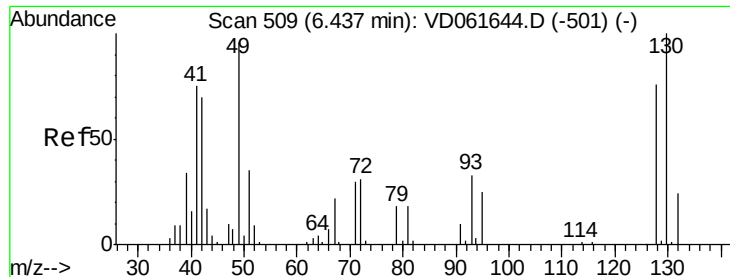
77 24.5 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

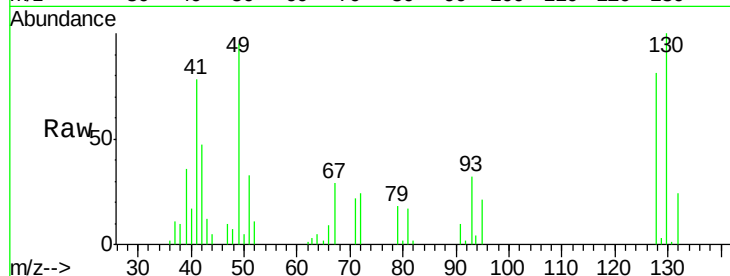




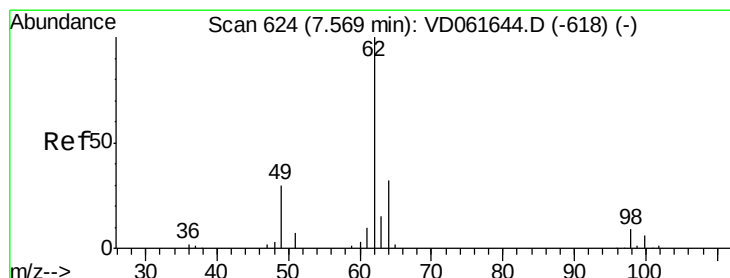
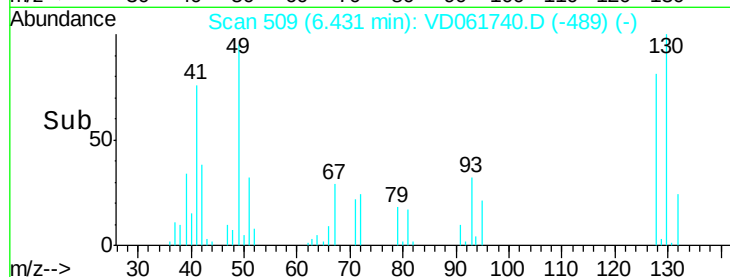
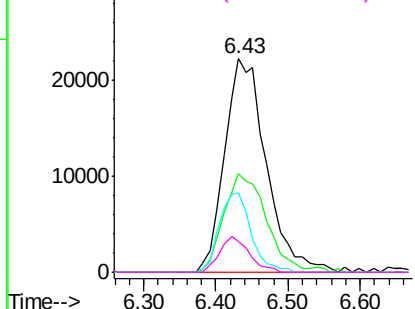
#41
Methacrylonitrile
Concen: 20.316 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

Tot Ion: 41 Resp: 88967
Ion Ratio Lower Upper
41 100
39 46.2 36.2 54.2
67 37.0 23.2 34.8#
52 14.6 10.0 15.0

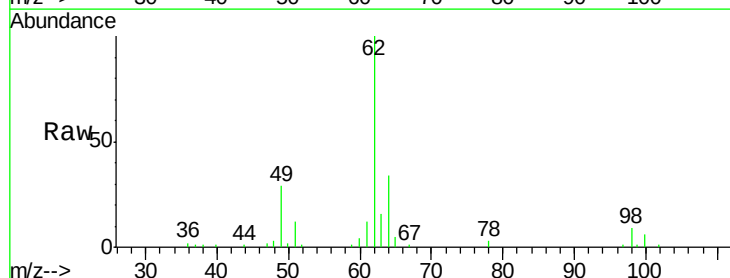


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

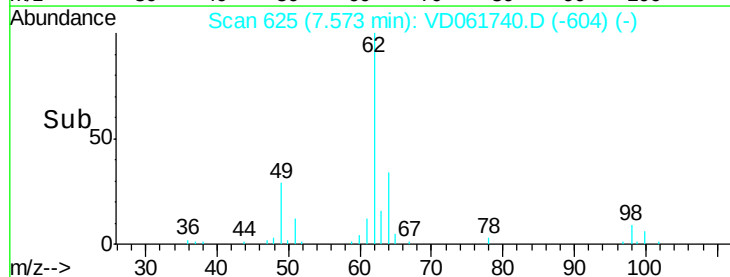
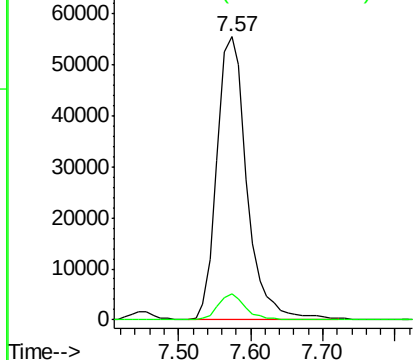


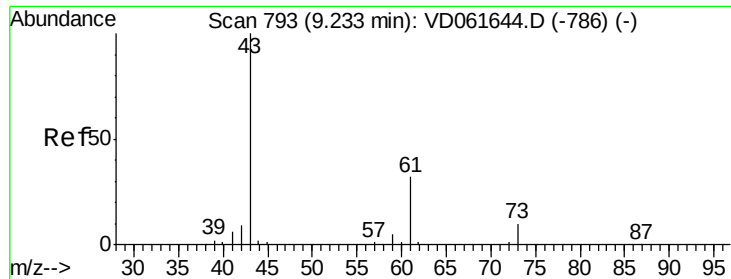
#42
1,2-Dichloroethane
Concen: 22.886 ug/l
RT: 7.57 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion: 62 Resp: 159917
Ion Ratio Lower Upper
62 100
98 9.4 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 21.087 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

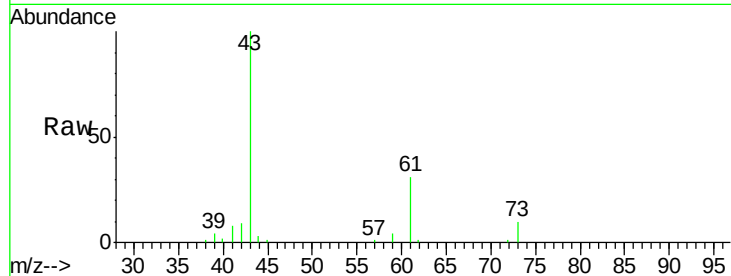
Tot Ion: 43 Resp: 114803

Ion Ratio Lower Upper

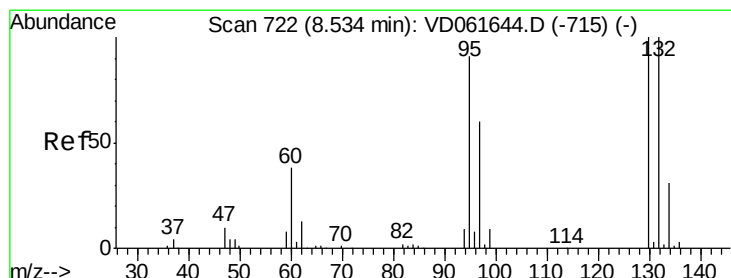
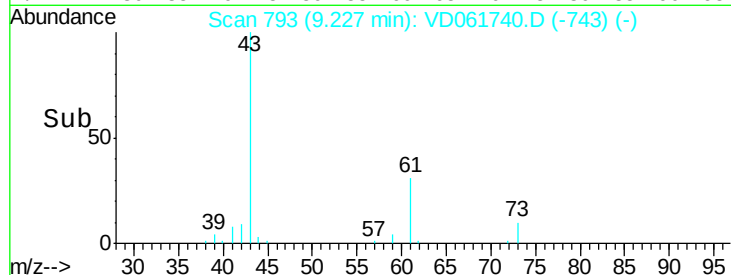
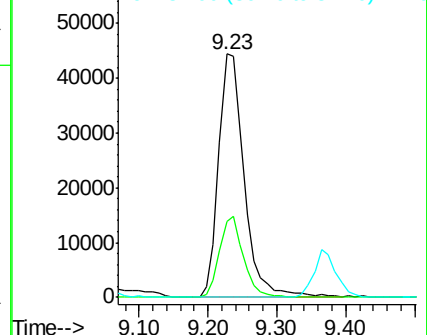
43 100

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: 21.377 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.00 min

Lab File: VD061740.D

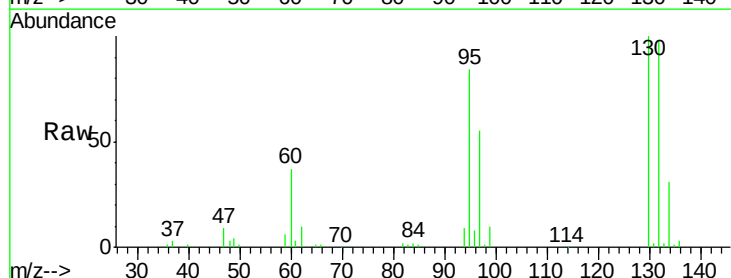
Acq: 11 Apr 2019 14:53

Tgt Ion:130 Resp: 182091

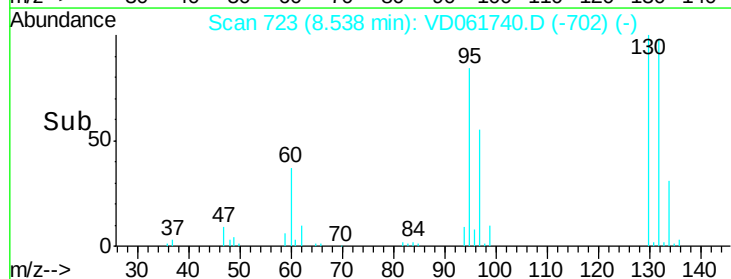
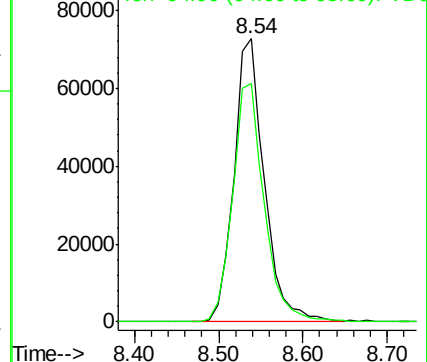
Ion Ratio Lower Upper

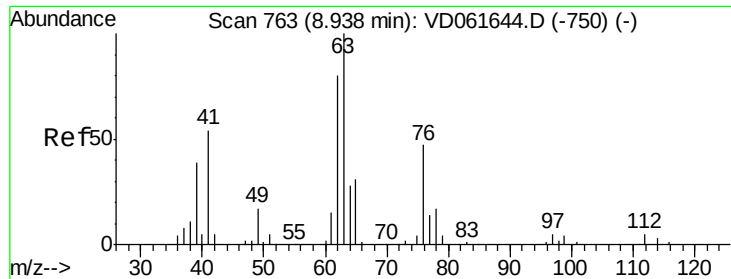
130 100

95 84.3 0.0 181.8



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

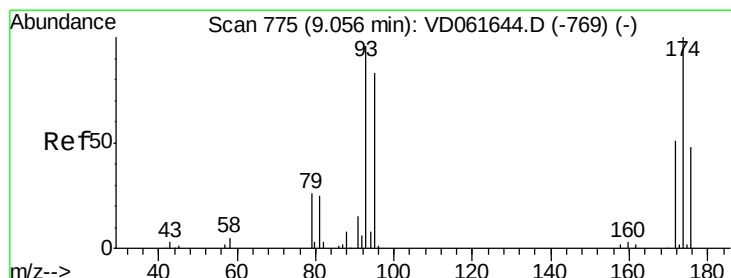
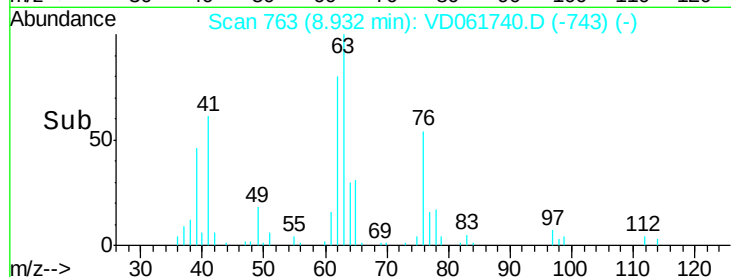
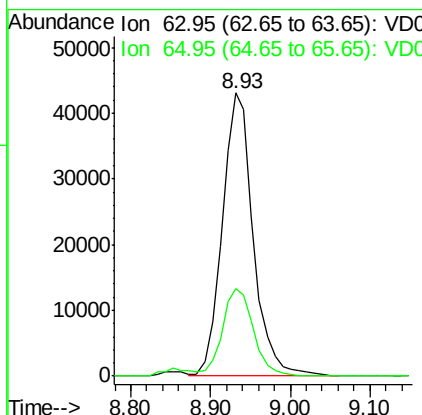
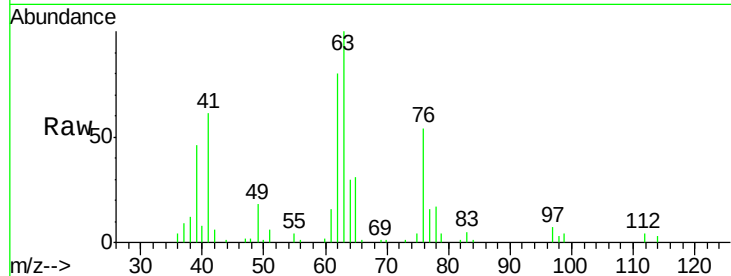




#45
 1,2-Dichloropropane
 Concen: 21.233 ug/l
 RT: 8.93 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

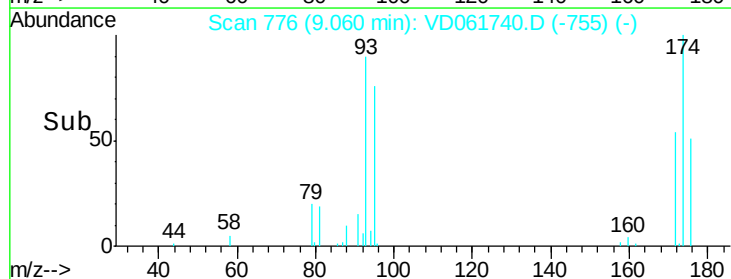
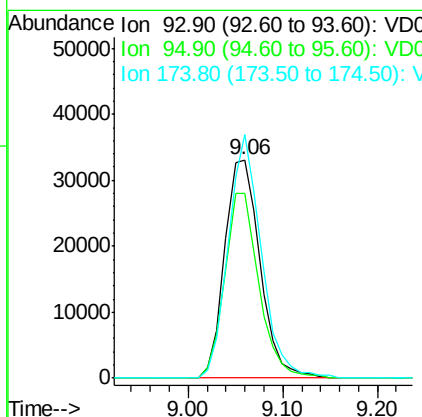
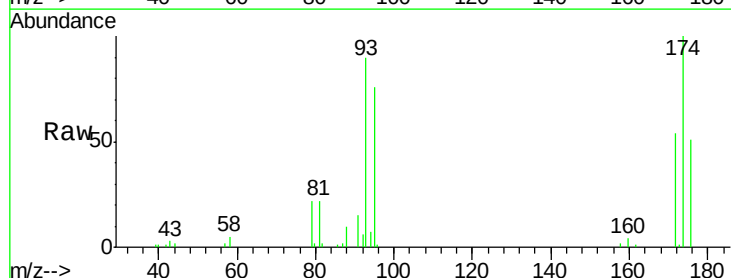
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

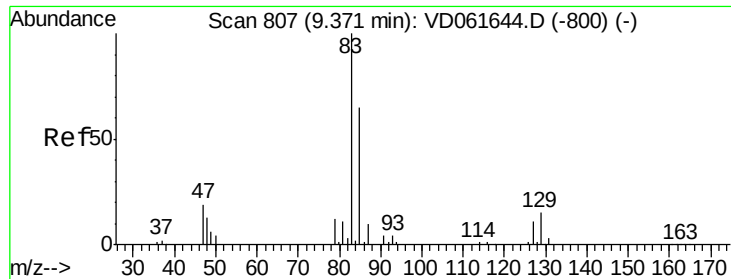
Tot Ion: 63 Resp: 116995
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.5 36.7



#46
 Dibromomethane
 Concen: 21.810 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion: 93 Resp: 85890
 Ion Ratio Lower Upper
 93 100
 95 84.8 68.6 103.0
 174 111.5 83.0 124.4





#47

Bromodichloromethane

Concen: 22.683 ug/l

RT: 9.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

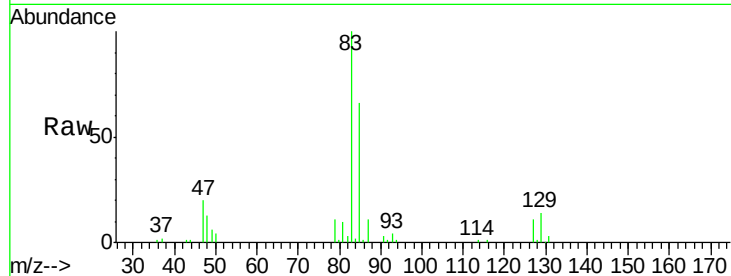
Tot Ion: 83 Resp: 196190

Ion Ratio Lower Upper

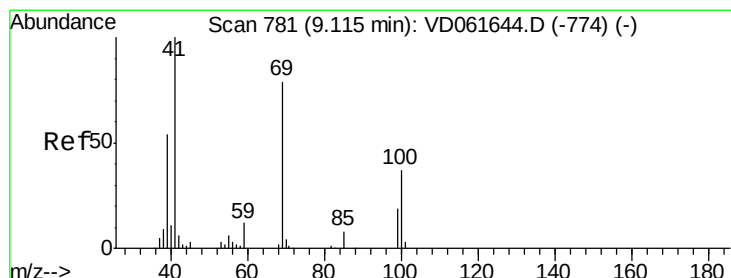
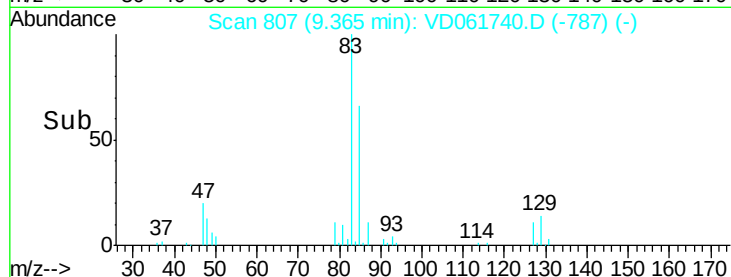
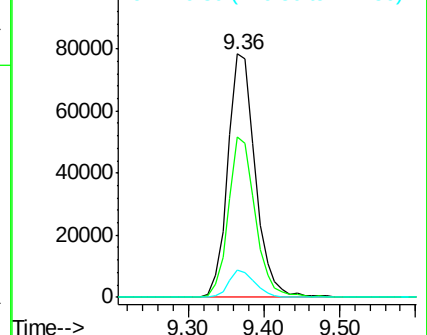
83 100

85 66.0 51.8 77.6

127 11.4 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: 21.807 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

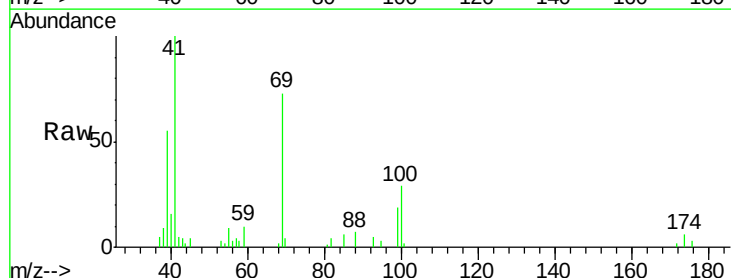
Tgt Ion: 41 Resp: 68435

Ion Ratio Lower Upper

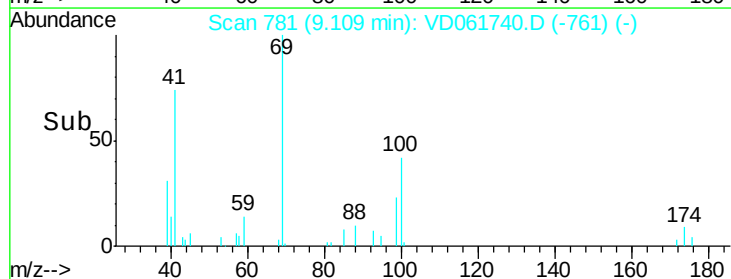
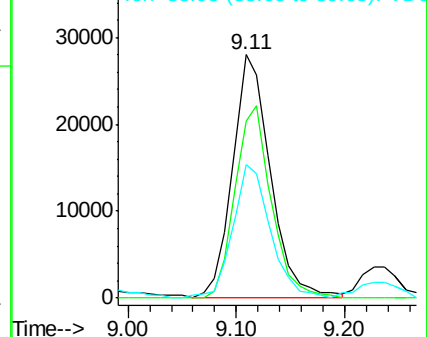
41 100

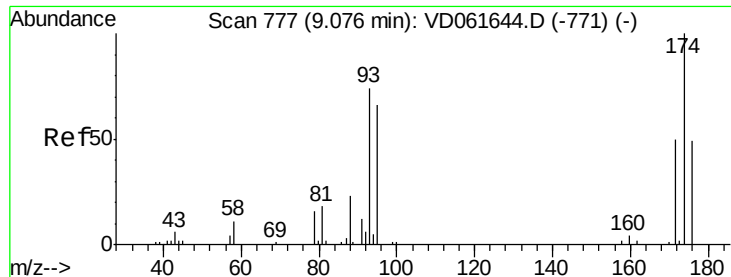
69 72.5 63.1 94.7

39 54.8 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

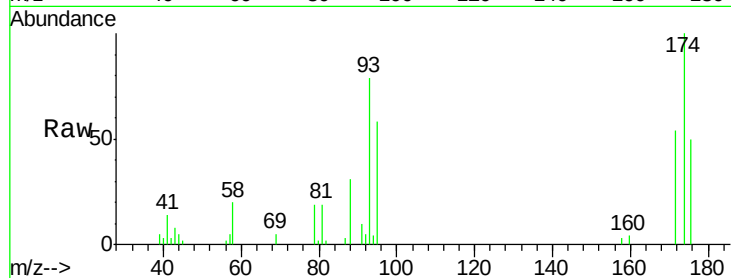




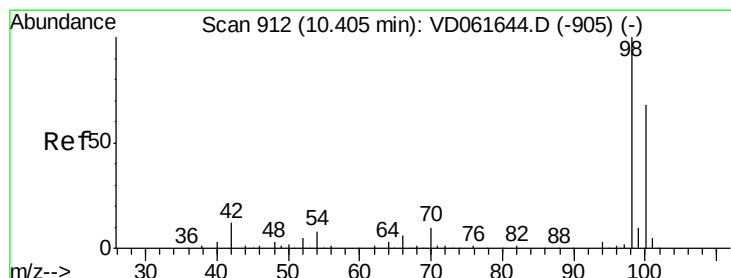
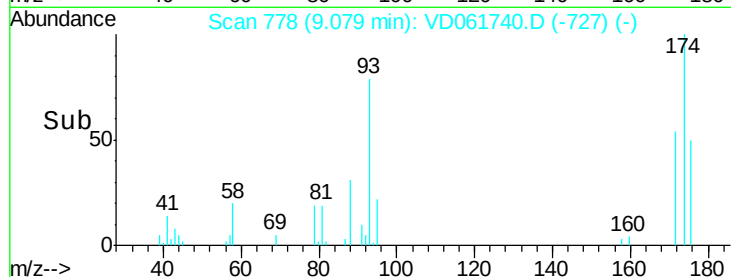
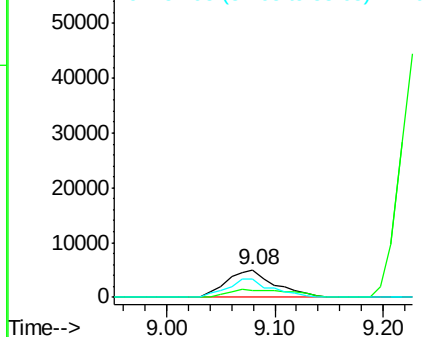
#49
1,4-Dioxane
Concen: 436.264 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

Tot Ion: 88 Resp: 15112
Ion Ratio Lower Upper
88 100
43 27.0 21.8 32.8
58 64.8 40.2 60.2#

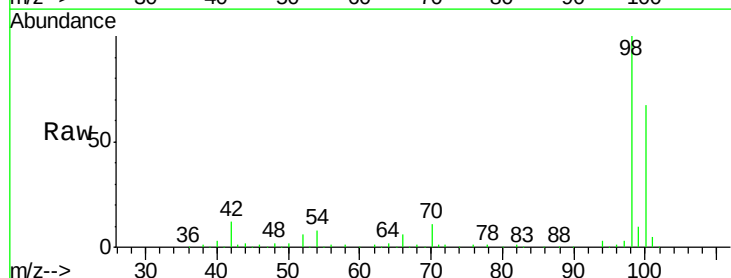


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

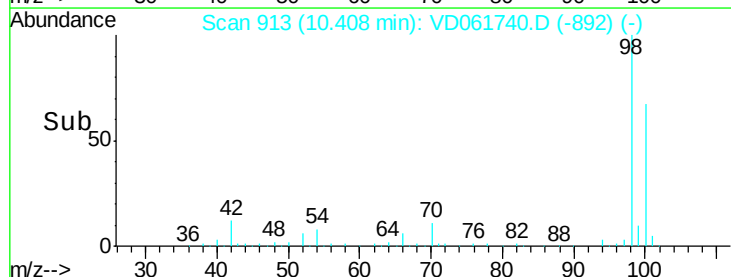
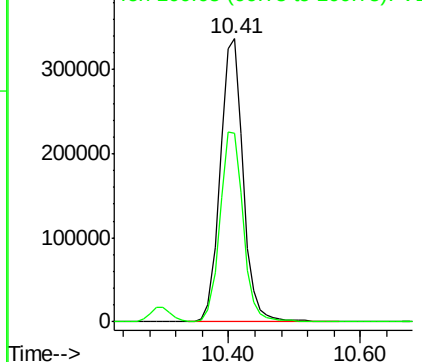


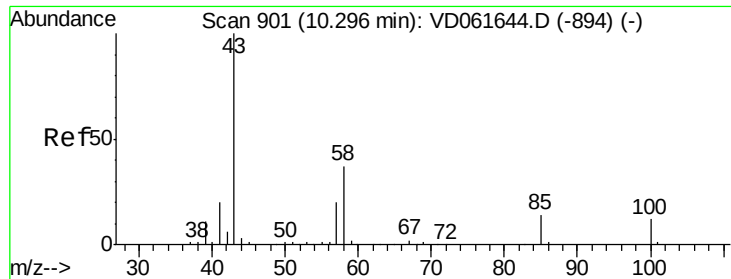
#50
Toluene-d8
Concen: 436.264 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion: 98 Resp: 815370
Ion Ratio Lower Upper
98 100
100 66.9 55.4 83.0



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





#51

4-Methyl-2-Pentanone

Concen: 104.630 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

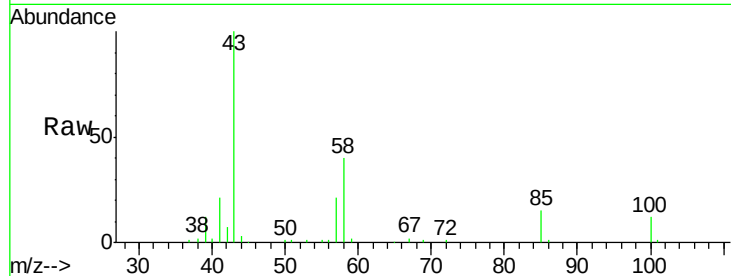
VD0411SBS01

Tot Ion: 43 Resp: 336877

Ion Ratio Lower Upper

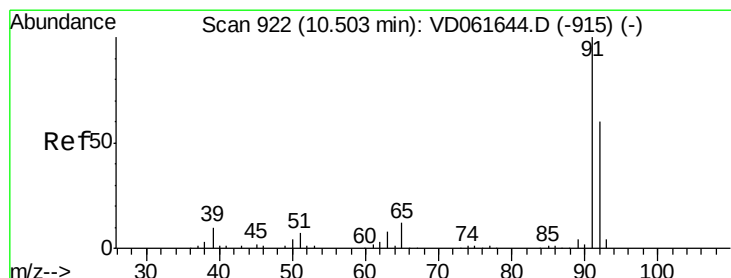
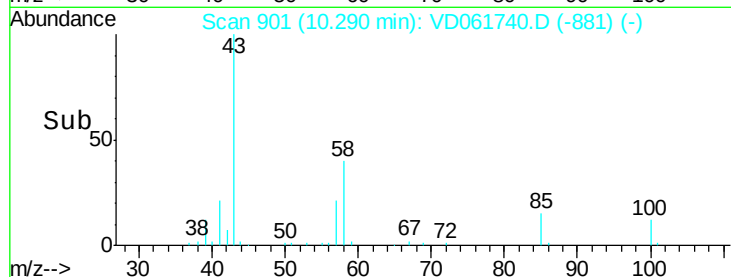
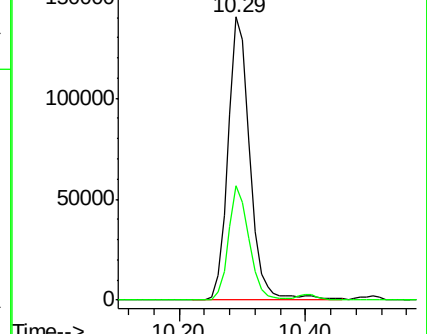
43 100

58 40.2 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.706 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD061740.D

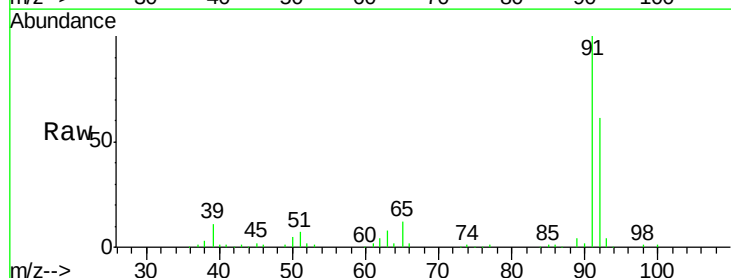
Acq: 11 Apr 2019 14:53

Tgt Ion: 92 Resp: 301150

Ion Ratio Lower Upper

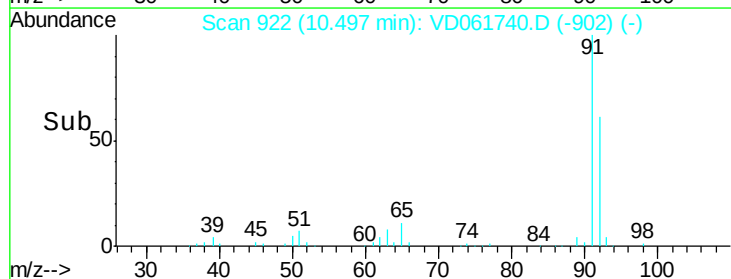
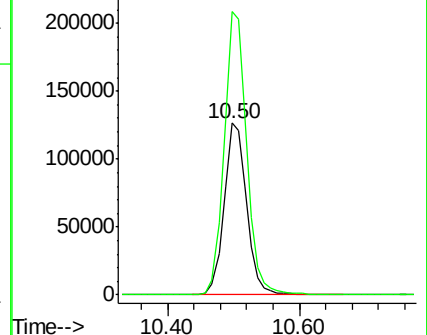
92 100

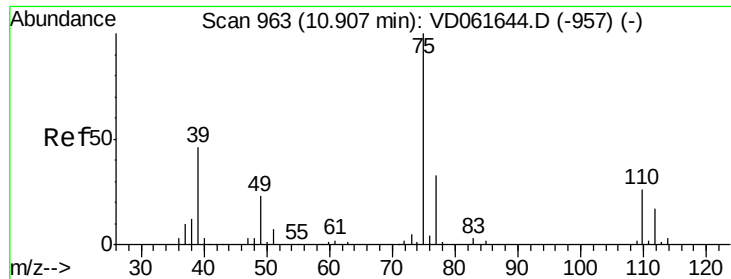
91 164.7 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

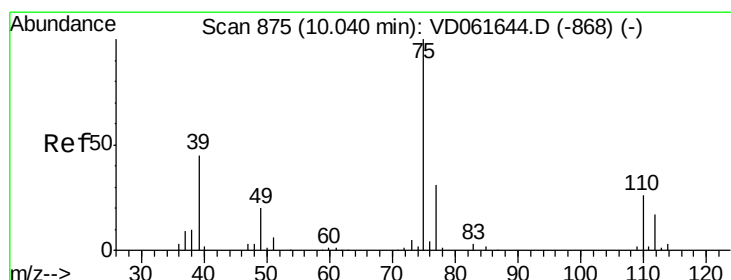
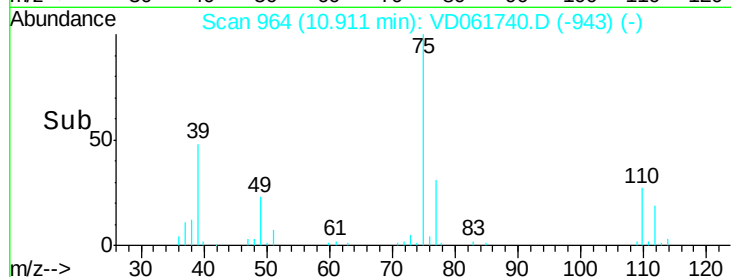
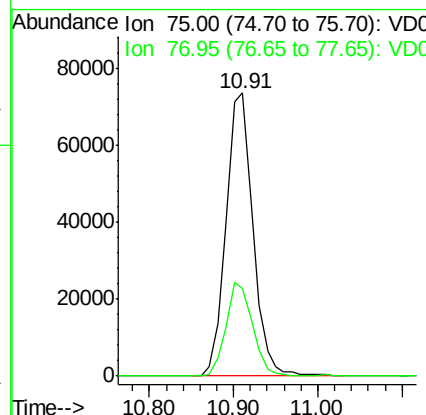
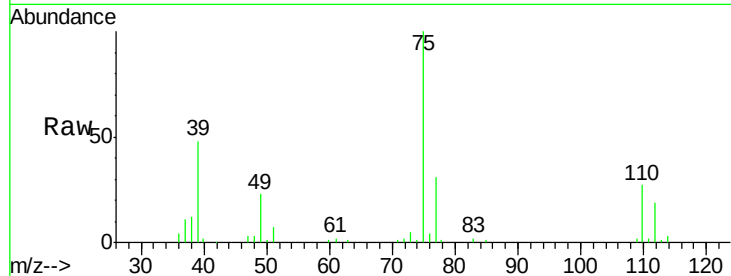




#53
 t-1,3-Dichloropropene
 Concen: 21.524 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

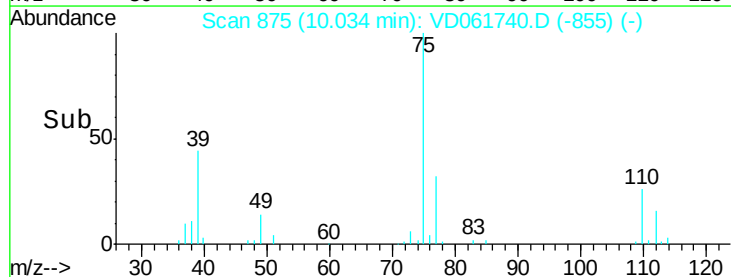
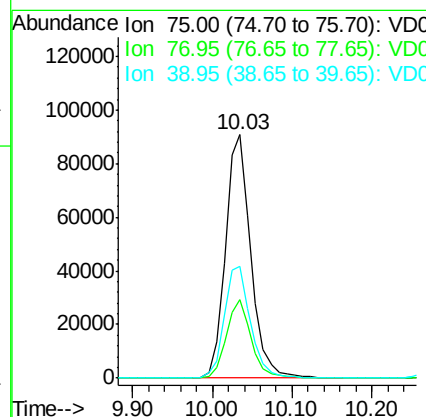
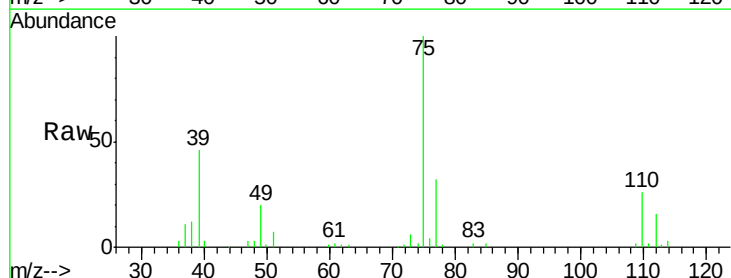
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

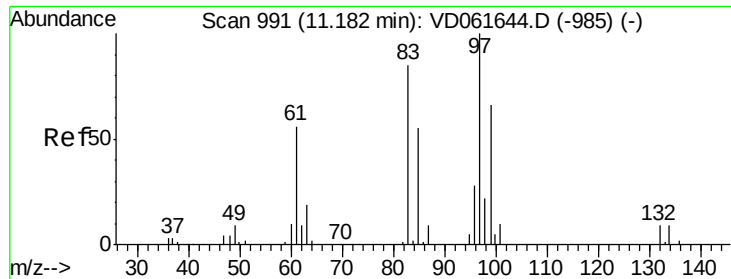
Tot Ion: 75 Resp: 163189
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 21.701 ug/l
 RT: 10.03 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion: 75 Resp: 202814
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.6 37.0
 39 45.8 36.2 54.2

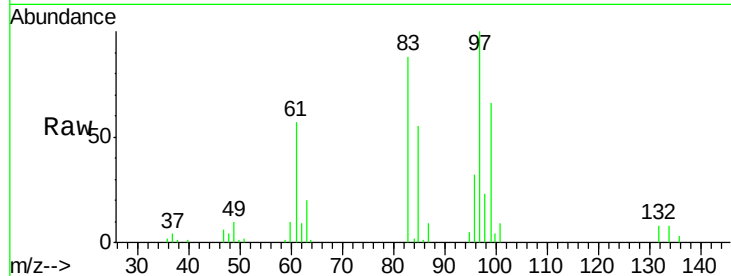




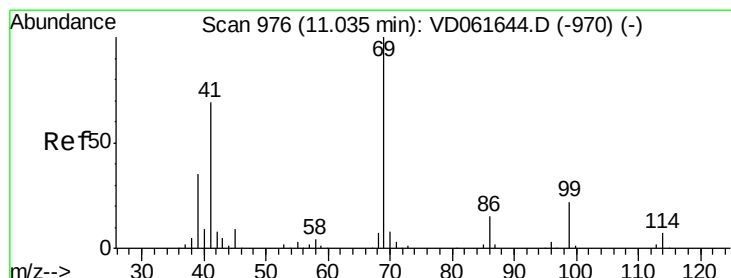
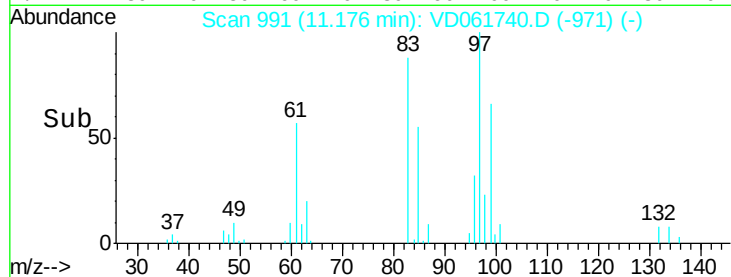
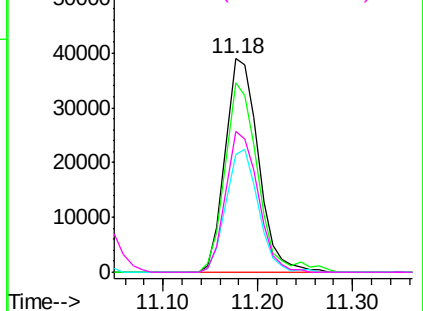
#55
 1,1,2-Trichloroethane
 Concen: 20.266 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

Tot Ion: 97 Resp: 94833
 Ion Ratio Lower Upper
 97 100
 83 88.5 67.8 101.6
 85 55.4 43.8 65.8
 99 65.7 52.8 79.2

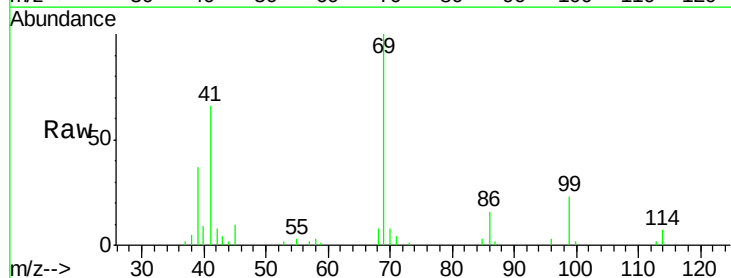


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

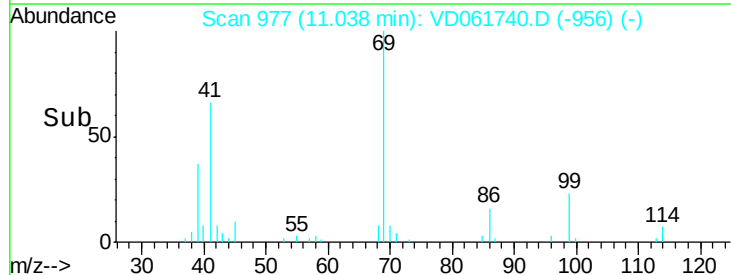
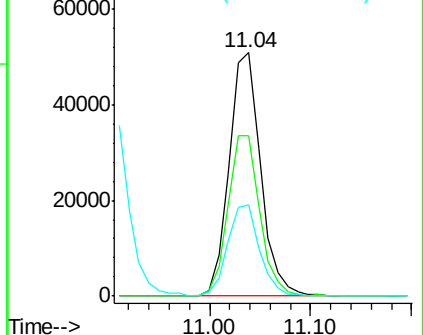


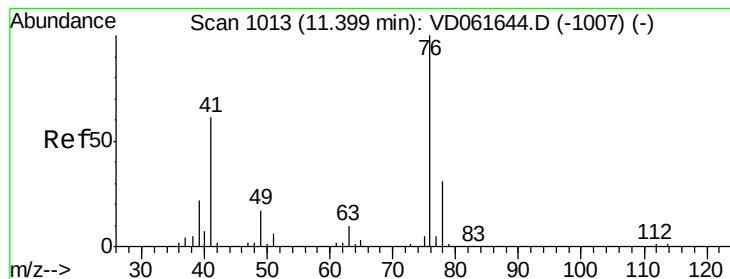
#56
 Ethyl methacrylate
 Concen: 22.254 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion: 69 Resp: 109855
 Ion Ratio Lower Upper
 69 100
 41 65.7 55.2 82.8
 39 37.3 28.6 43.0



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





#57

1,3-Dichloropropane

Concen: 22.941 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

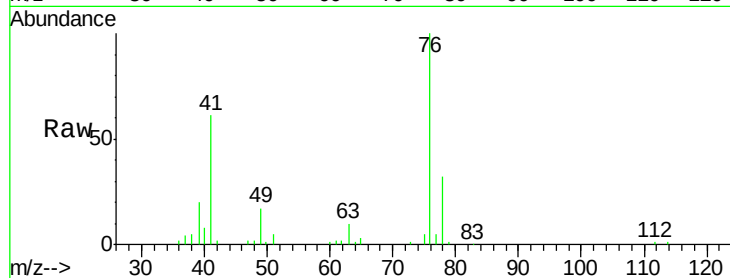
VD0411SBSD01

Tot Ion: 76 Resp: 157210

Ion Ratio Lower Upper

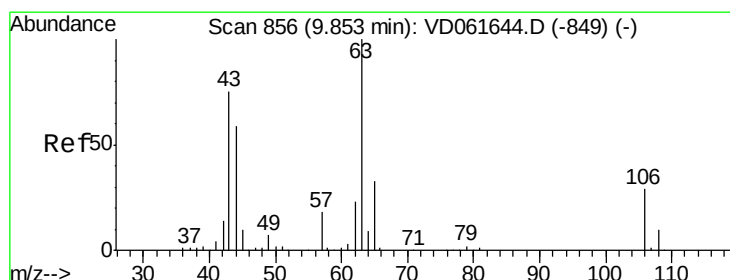
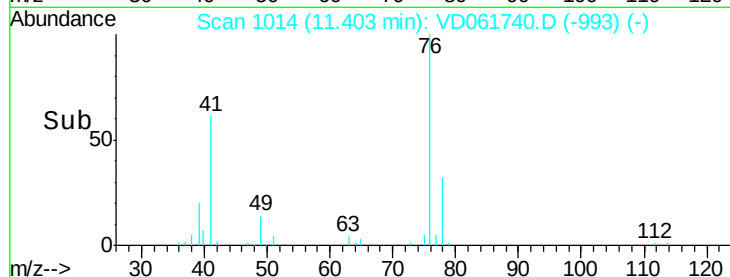
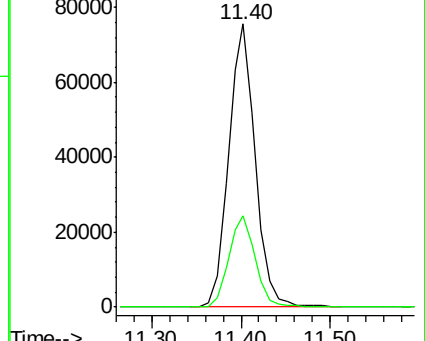
76 100

78 32.4 24.5 36.7



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 104.449 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD061740.D

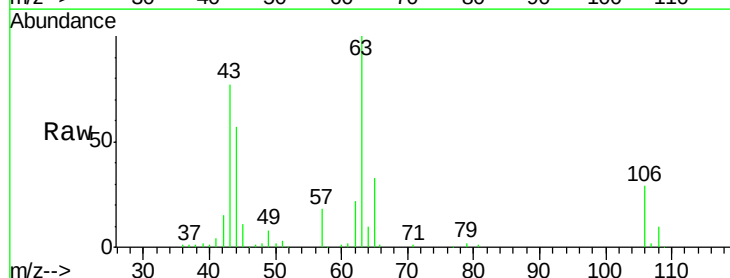
Acq: 11 Apr 2019 14:53

Tgt Ion: 63 Resp: 243285

Ion Ratio Lower Upper

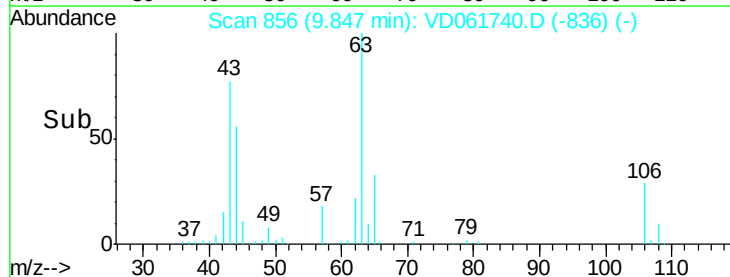
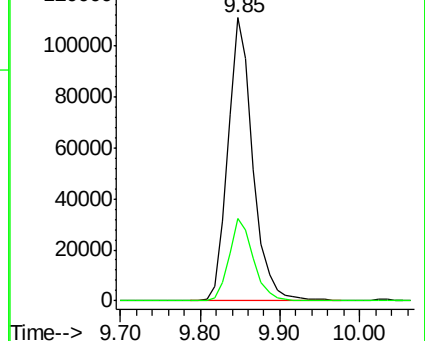
63 100

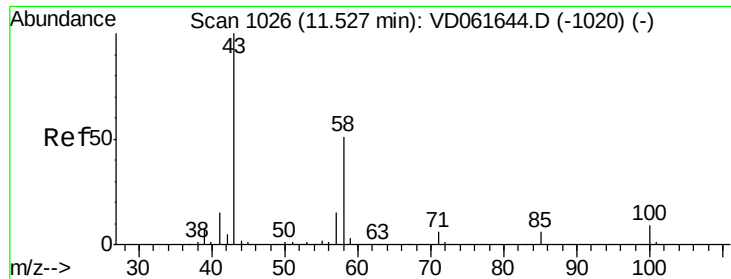
106 29.2 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

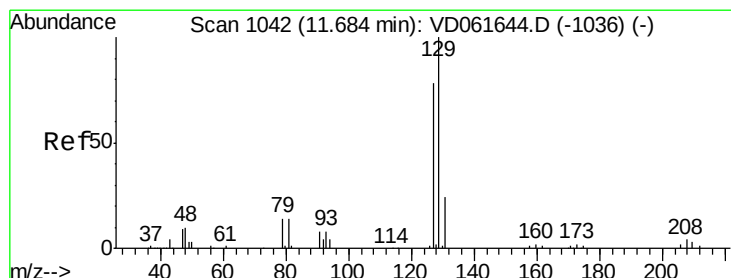
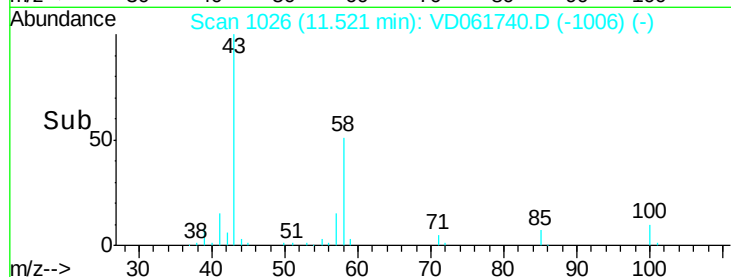
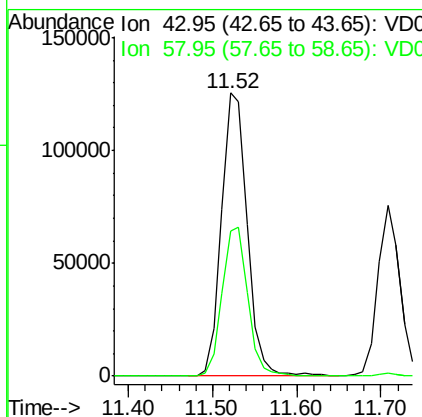
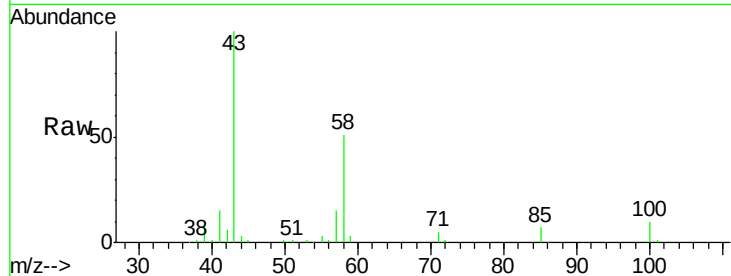




#59
2-Hexanone
Concen: 106.527 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

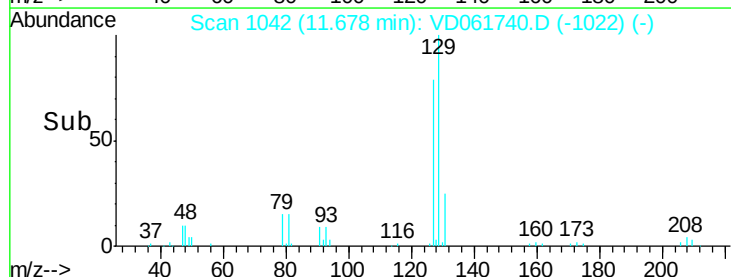
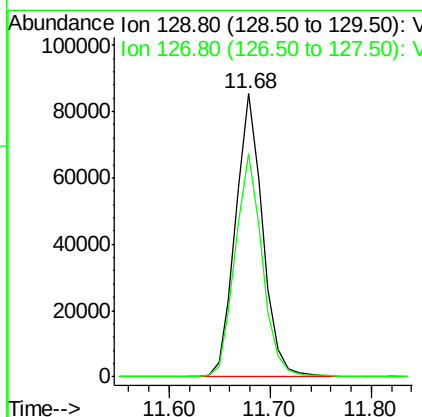
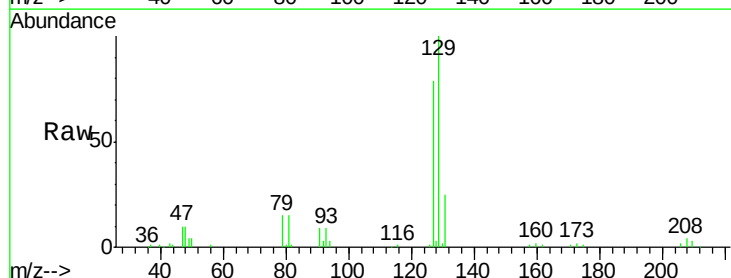
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

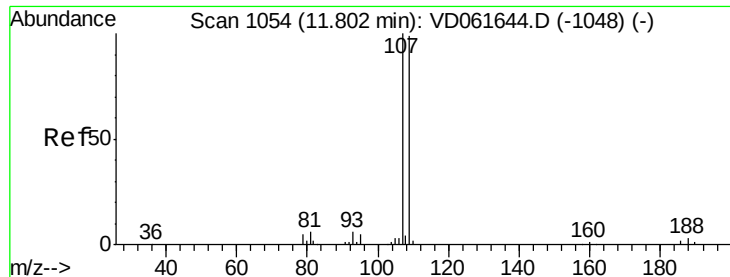
Tot Ion: 43 Resp: 266182
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.8



#60
Dibromochloromethane
Concen: 21.508 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion: 129 Resp: 159007
Ion Ratio Lower Upper
129 100
127 78.7 38.8 116.4

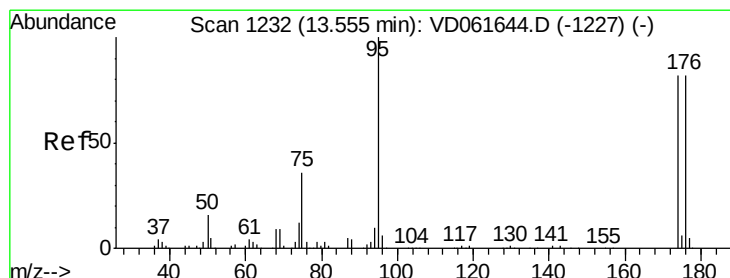
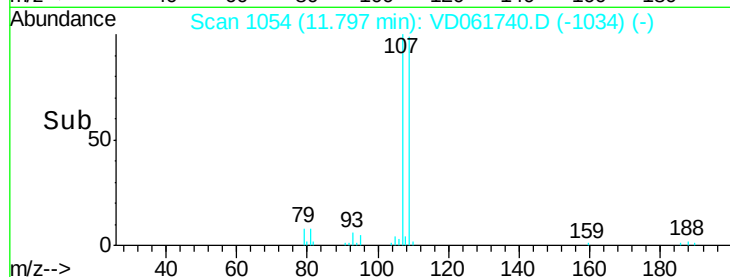
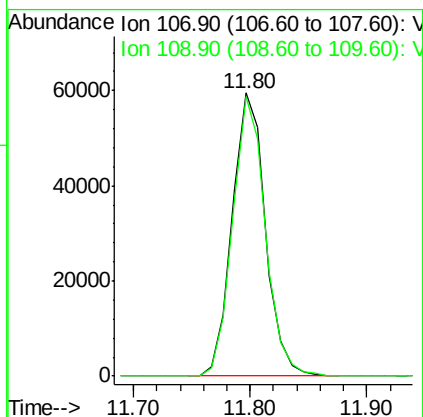
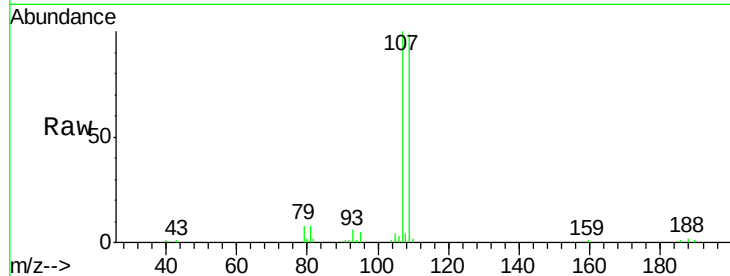




#61
 1,2-Dibromoethane
 Concen: 21.368 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

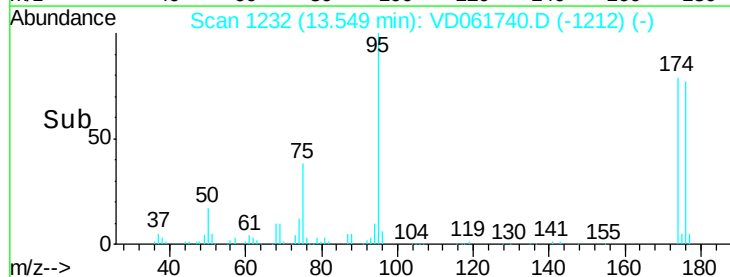
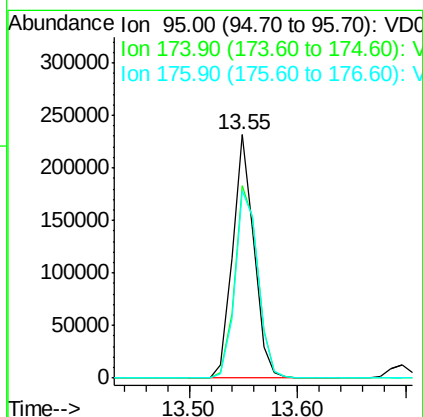
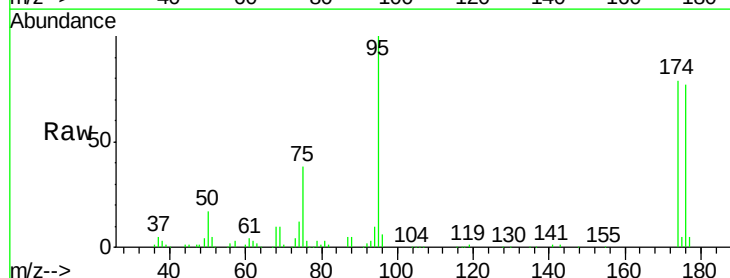
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

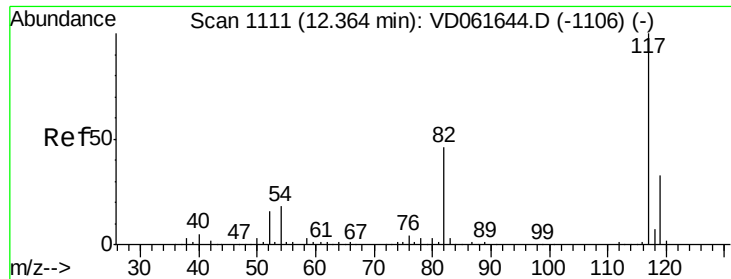
Tot Ion: 107 Resp: 116933
 Ion Ratio Lower Upper
 107 100
 109 98.5 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 21.368 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion: 95 Resp: 317749
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 164.6
 176 76.7 0.0 165.0

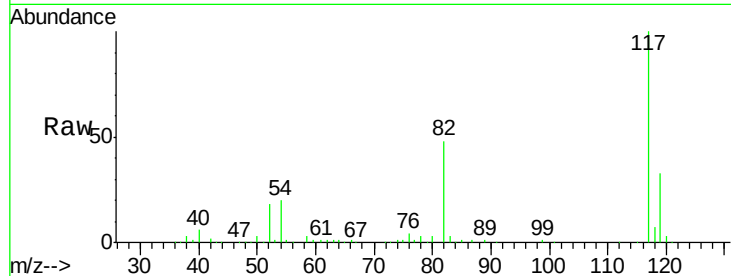




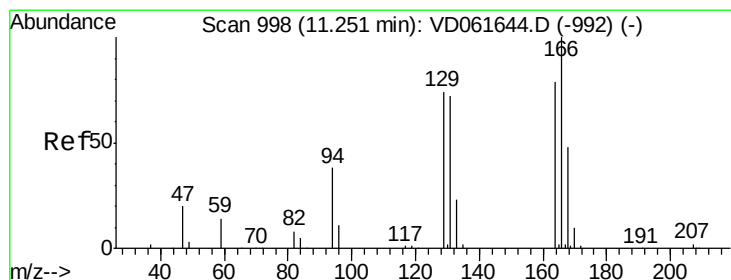
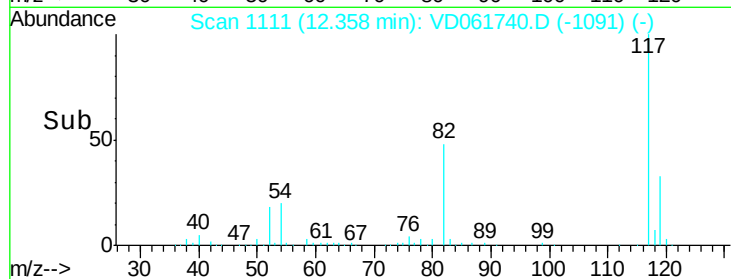
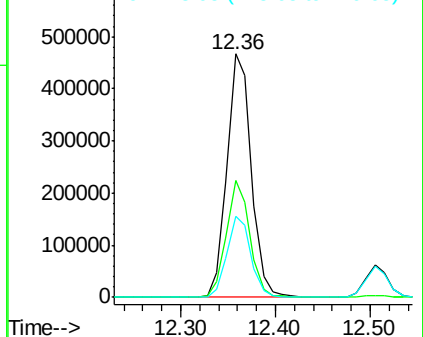
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

Tot Ion:117 Resp: 830188
Ion Ratio Lower Upper
117 100
82 48.3 36.8 55.2
119 33.4 26.1 39.1

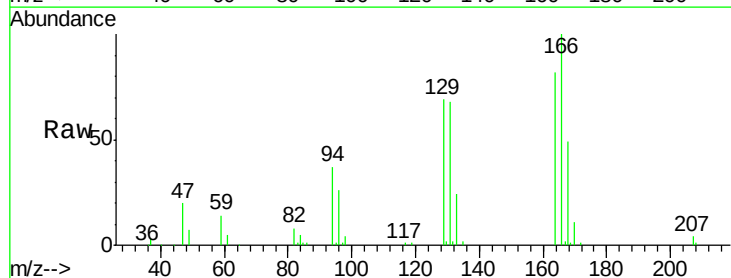


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

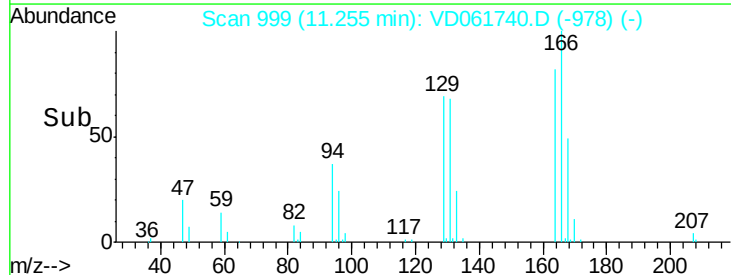
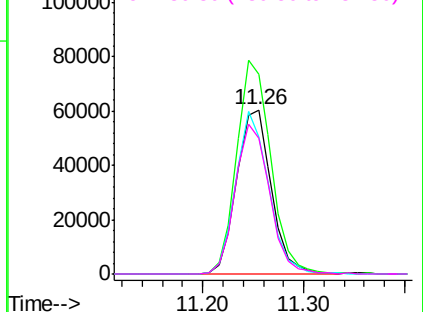


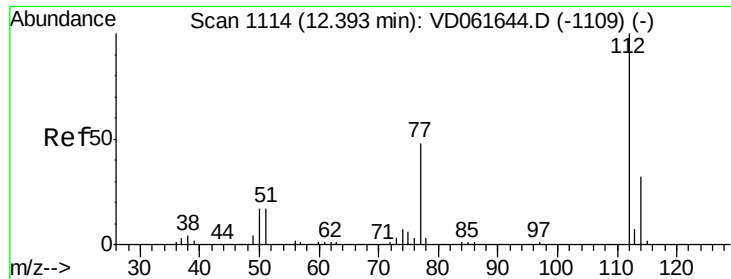
#64
Tetrachloroethene
Concen: 22.396 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion:164 Resp: 144325
Ion Ratio Lower Upper
164 100
166 121.5 101.8 152.8
129 83.4 75.4 113.0
131 82.7 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

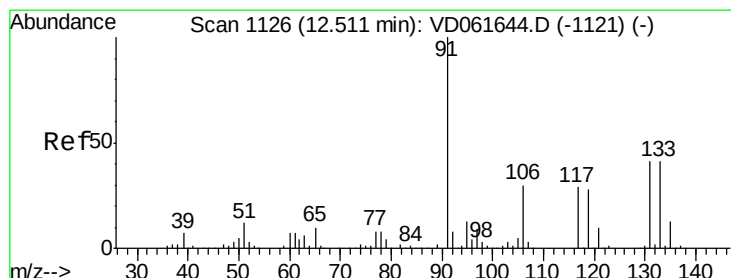
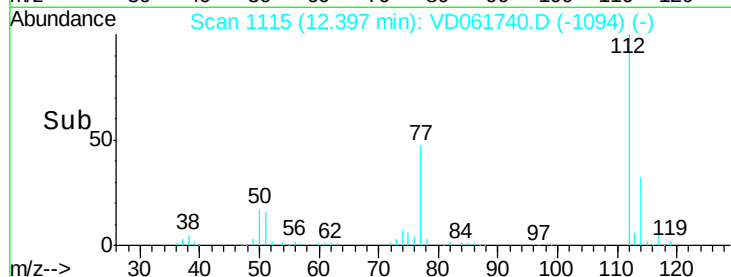
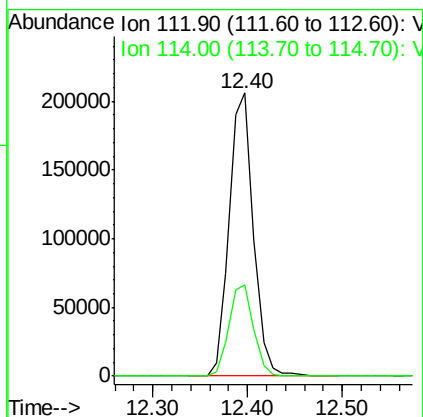
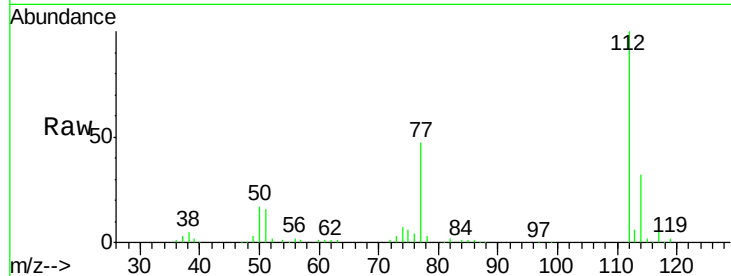




#65
Chlorobenzene
Concen: 22.140 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

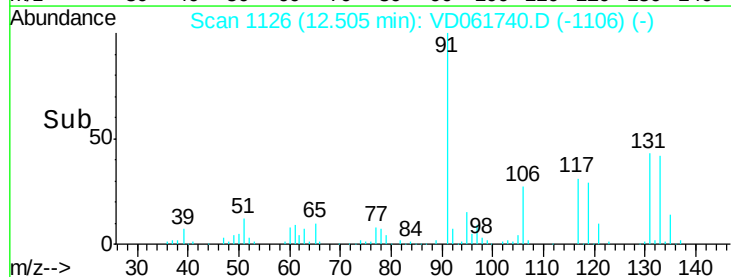
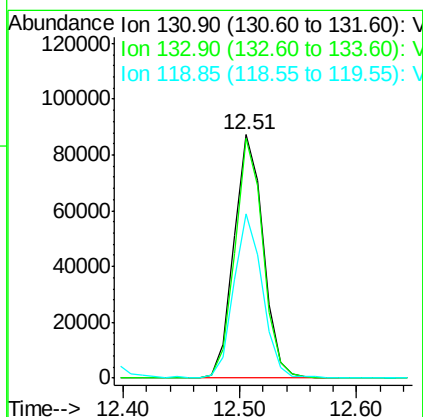
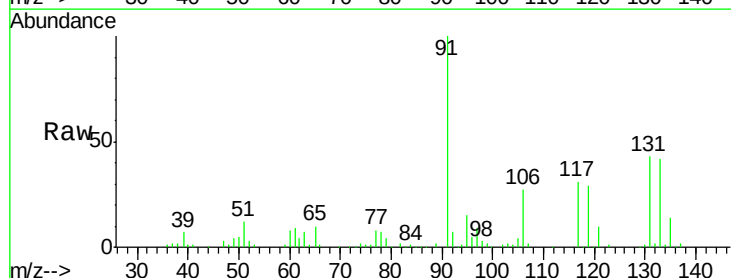
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

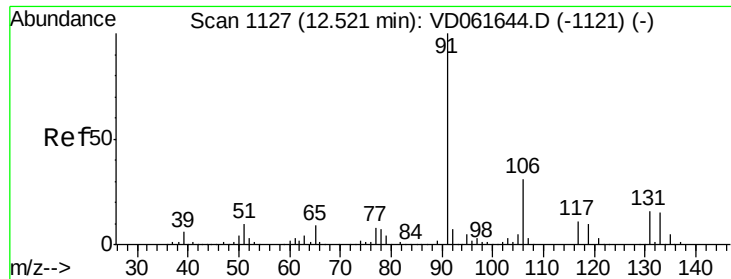
Tot Ion:112 Resp: 364504
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 23.973 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion:131 Resp: 151877
Ion Ratio Lower Upper
131 100
133 98.6 49.5 148.3
119 67.7 34.7 104.1

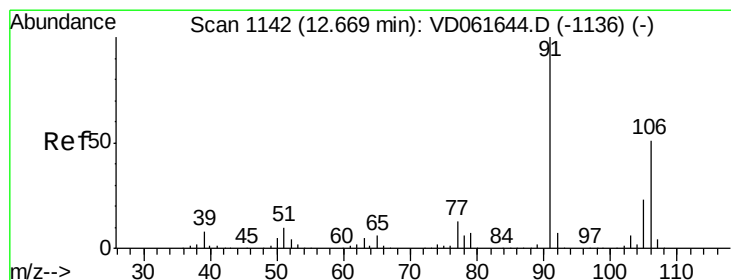
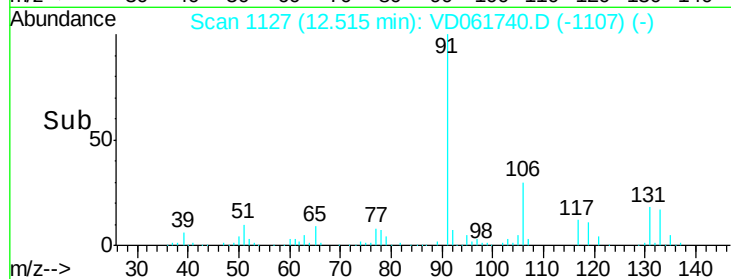
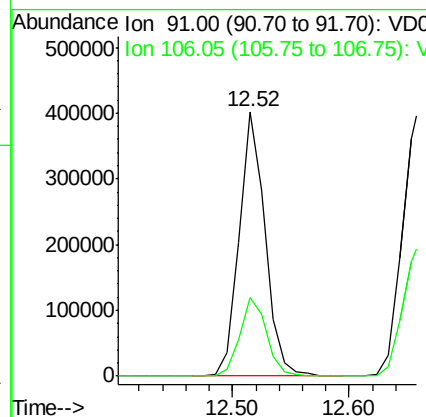
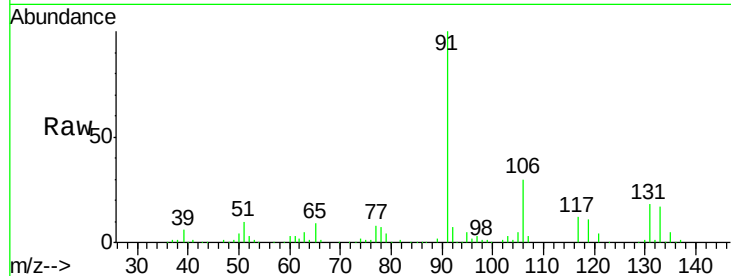




#67
Ethyl Benzene
Concen: 24.668 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

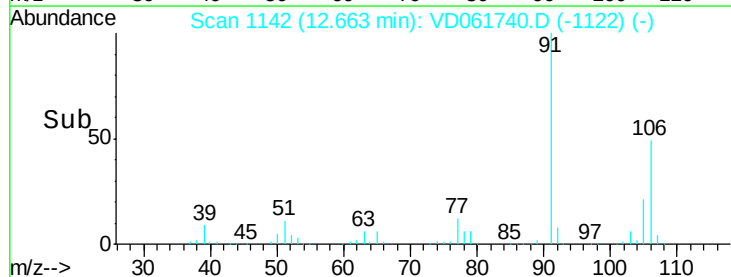
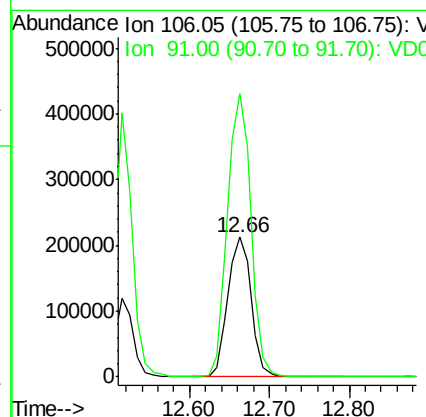
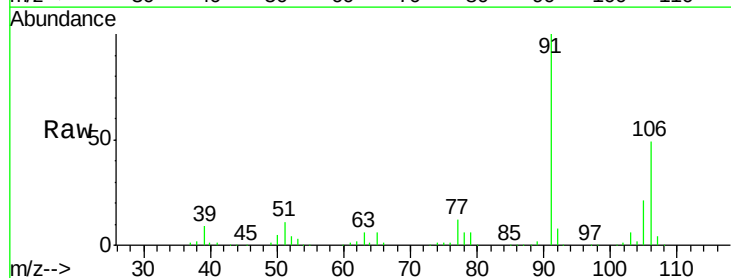
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

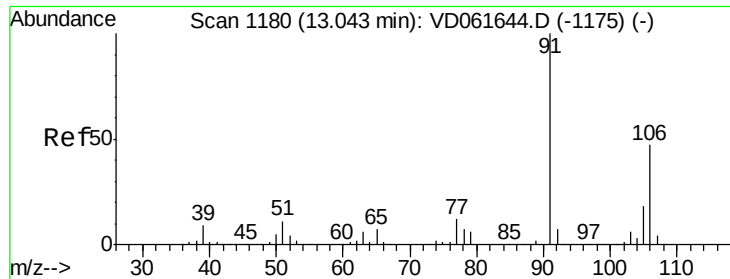
Tot Ion: 91 Resp: 618435
Ion Ratio Lower Upper
91 100
106 29.9 24.6 37.0



#68
m/p-Xylenes
Concen: 45.799 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion: 106 Resp: 442659
Ion Ratio Lower Upper
106 100
91 202.2 156.7 235.1

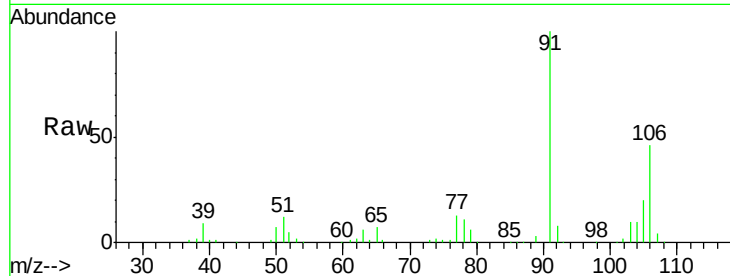




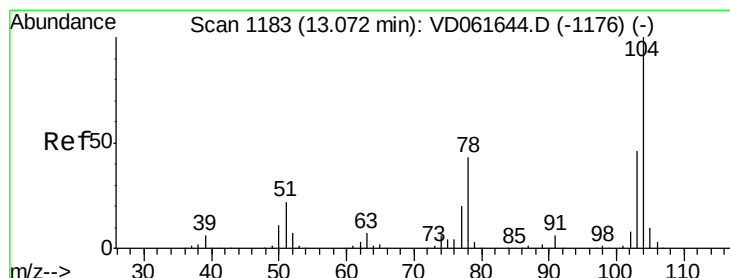
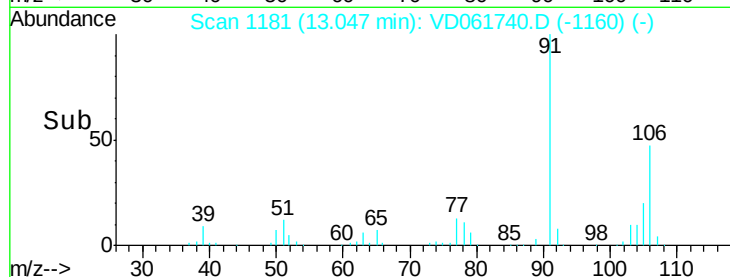
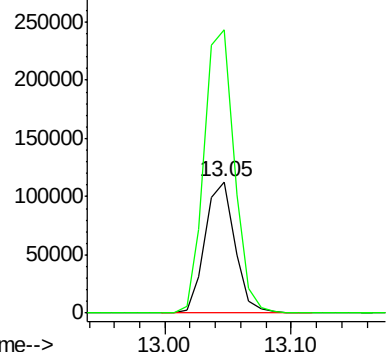
#69
o-Xylene
Concen: 19.700 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

Tot Ion:106 Resp: 183802
Ion Ratio Lower Upper
106 100
91 215.2 107.3 321.9

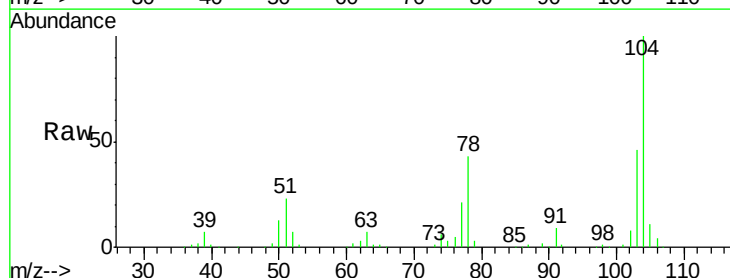


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

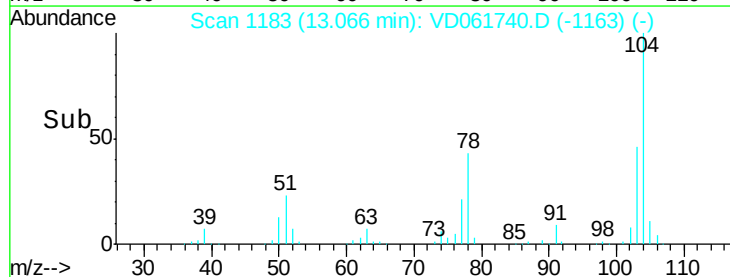
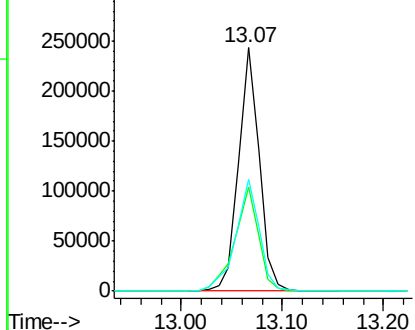


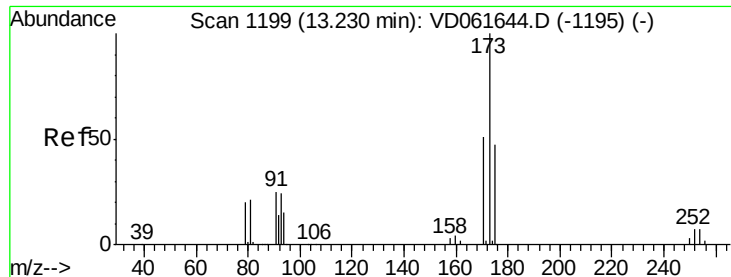
#70
Styrene
Concen: 21.776 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion:104 Resp: 346963
Ion Ratio Lower Upper
104 100
78 42.6 34.2 51.4
103 46.1 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: 23.951 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

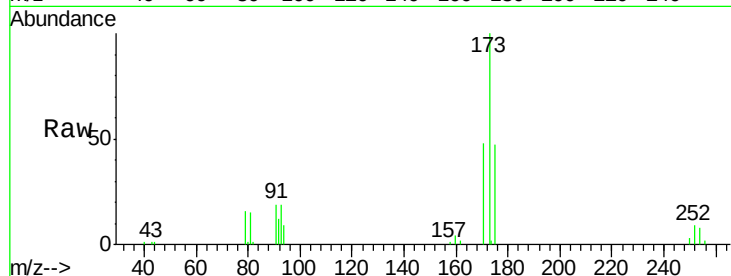
Tot Ion:173 Resp: 94145

Ion Ratio Lower Upper

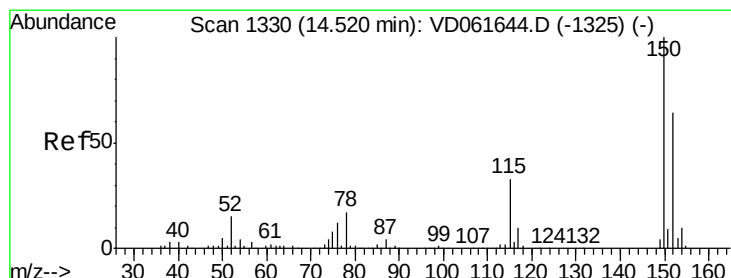
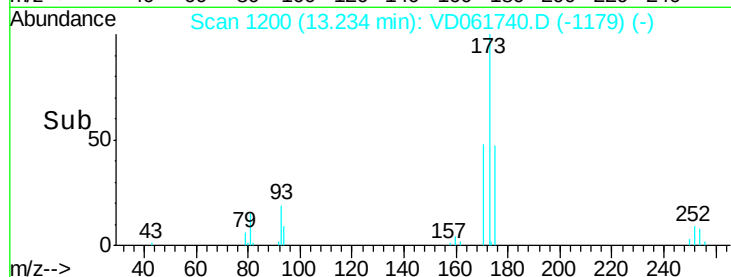
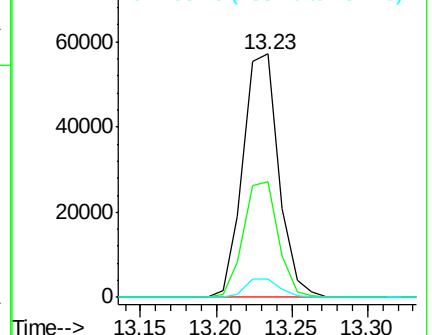
173 100

175 47.3 23.7 71.1

254 7.6 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: VD061740.D

Acq: 11 Apr 2019 14:53

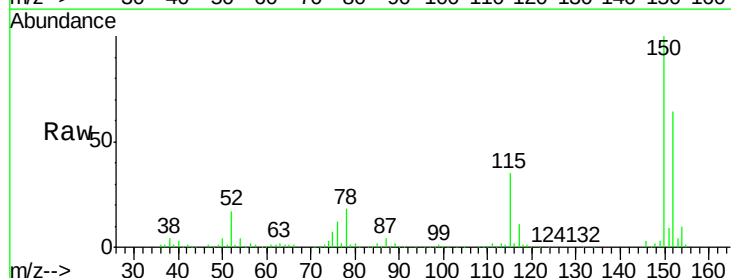
Tgt Ion:152 Resp: 398235

Ion Ratio Lower Upper

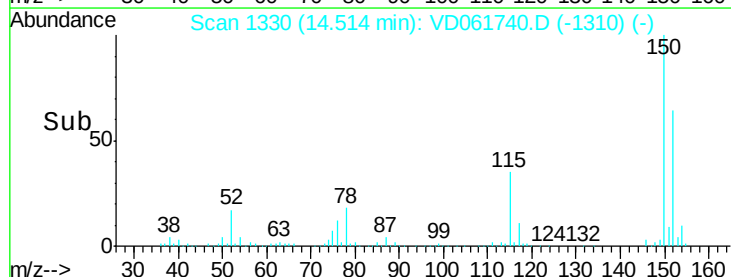
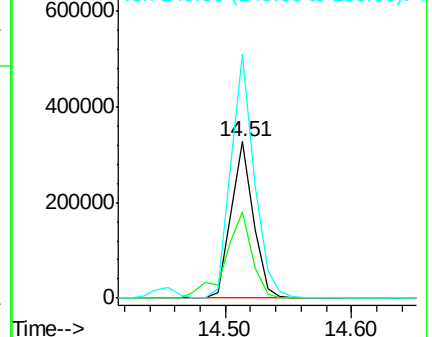
152 100

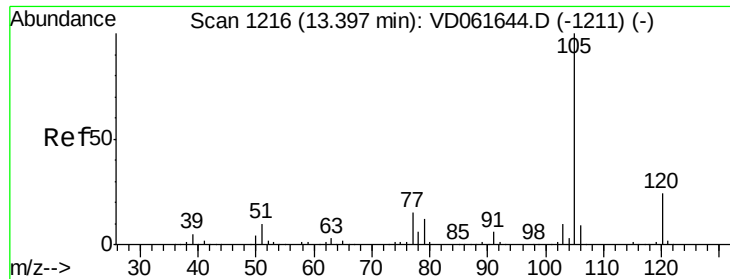
115 54.9 26.4 79.2

150 155.7 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

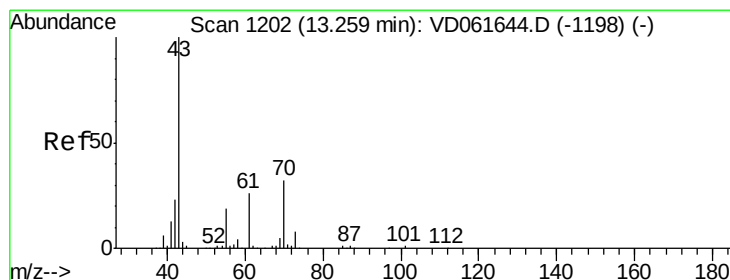
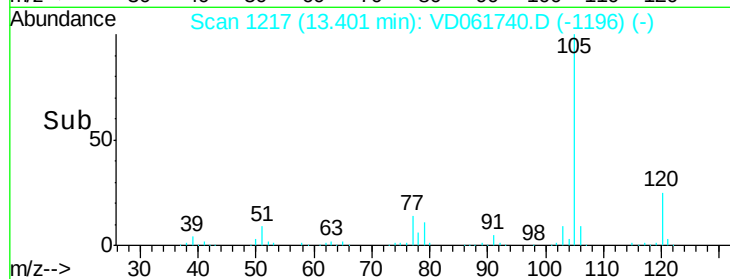
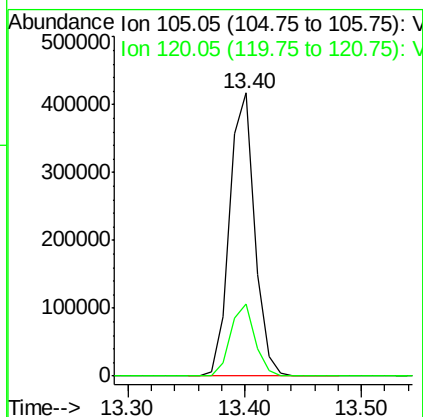
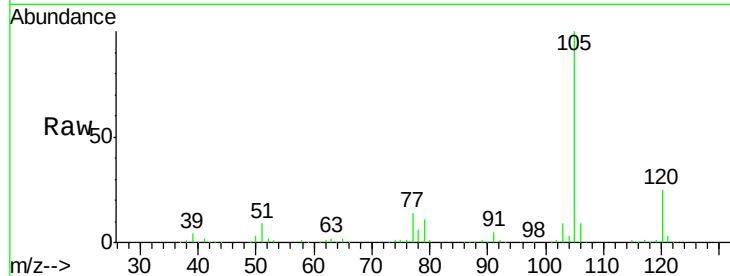




#73
Isopropylbenzene
Concen: 23.507 ug/l
RT: 13.40 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

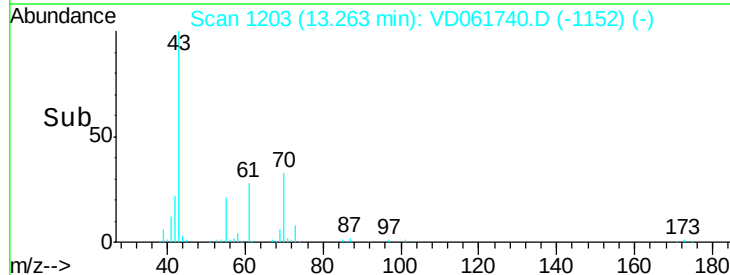
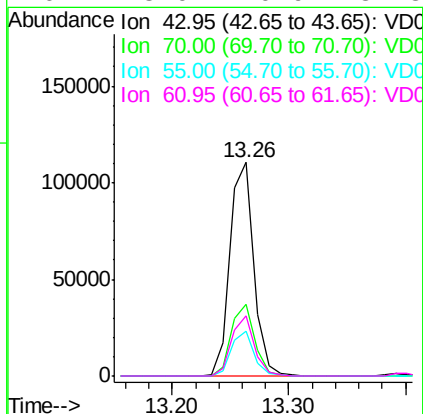
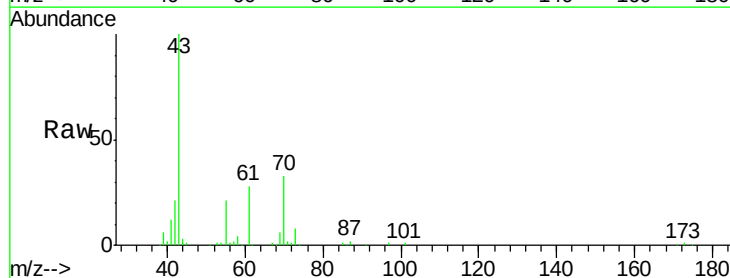
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

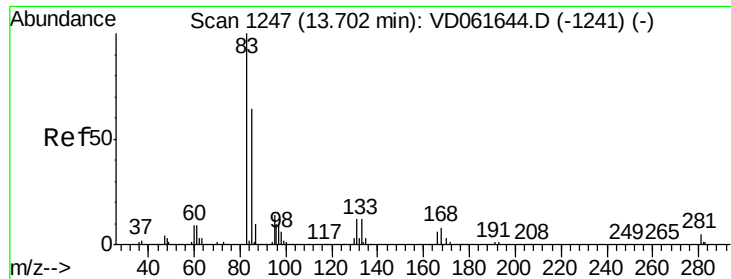
Tot Ion:105 Resp: 623753
Ion Ratio Lower Upper
105 100
120 25.4 12.2 36.4



#74
N-ethyl acetate
Concen: 21.724 ug/l
RT: 13.26 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion: 43 Resp: 156619
Ion Ratio Lower Upper
43 100
70 33.3 25.4 38.2
55 20.8 15.0 22.4
61 28.0 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.542 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS01

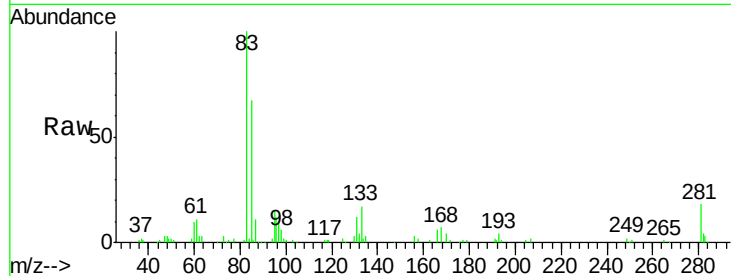
Tot Ion: 83 Resp: 112703

Ion Ratio Lower Upper

83 100

131 11.8 5.9 17.6

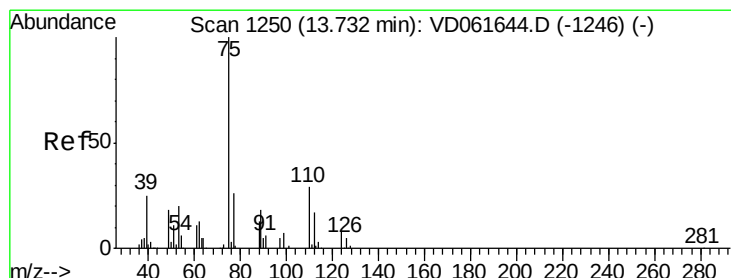
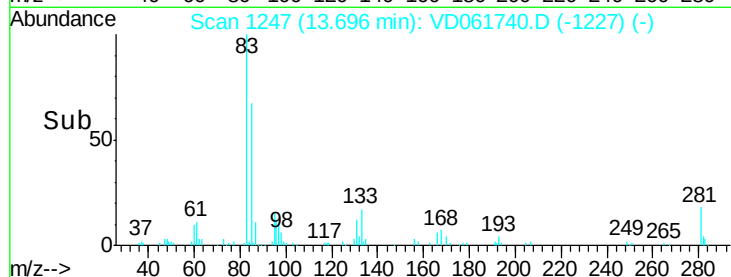
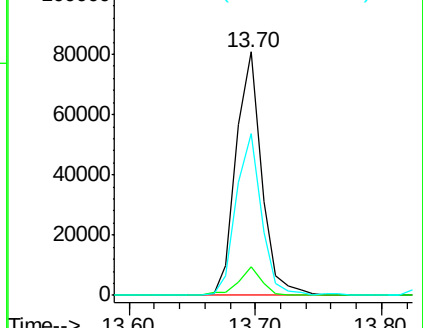
85 66.6 32.0 96.2



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: 21.190 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD061740.D

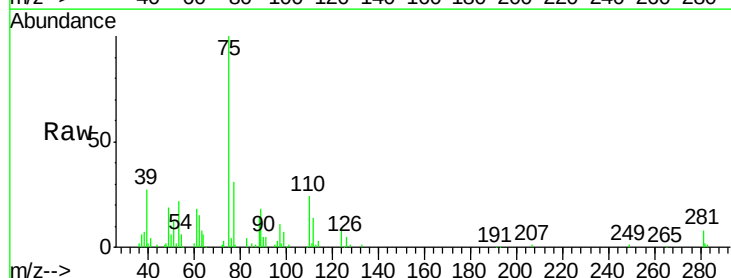
Acq: 11 Apr 2019 14:53

Tgt Ion: 75 Resp: 114806

Ion Ratio Lower Upper

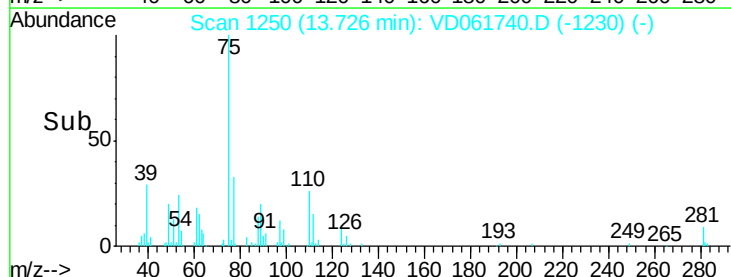
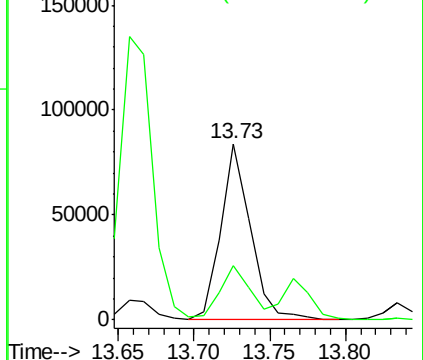
75 100

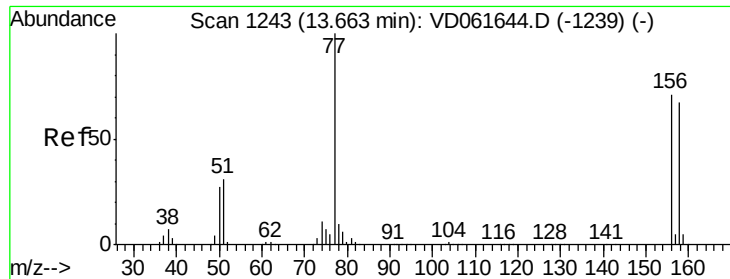
77 30.9 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.481 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

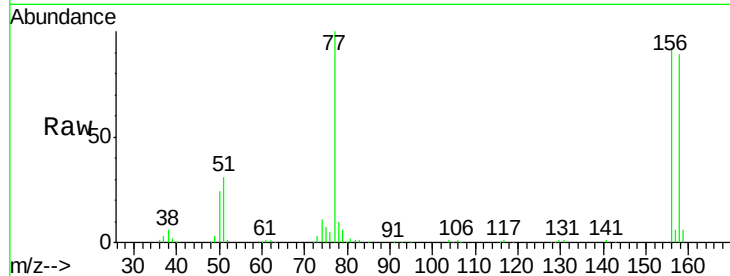
Tot Ion:156 Resp: 165446

Ion Ratio Lower Upper

156 100

77 108.3 70.3 210.8

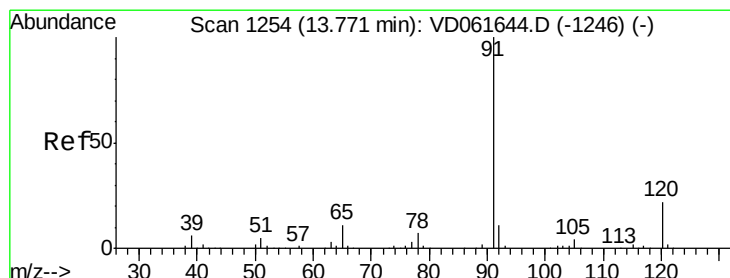
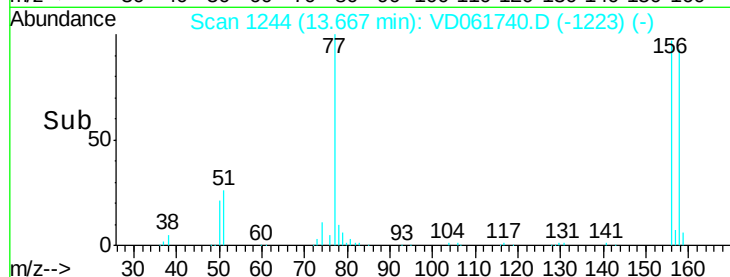
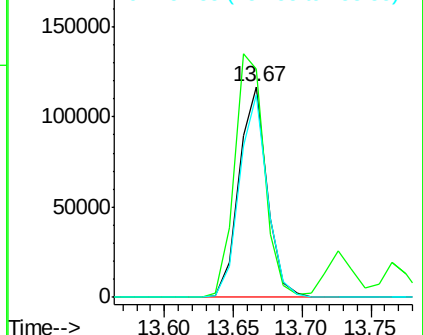
158 96.4 47.4 142.2



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: 21.348 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD061740.D

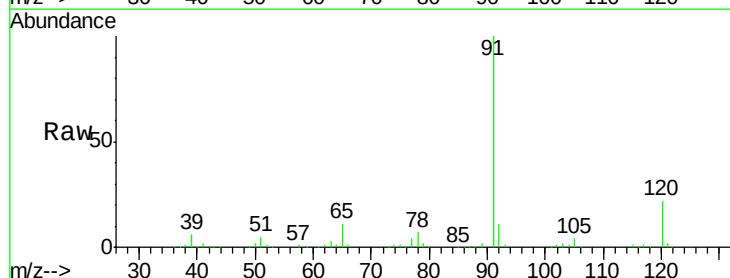
Acq: 11 Apr 2019 14:53

Tgt Ion: 91 Resp: 677616

Ion Ratio Lower Upper

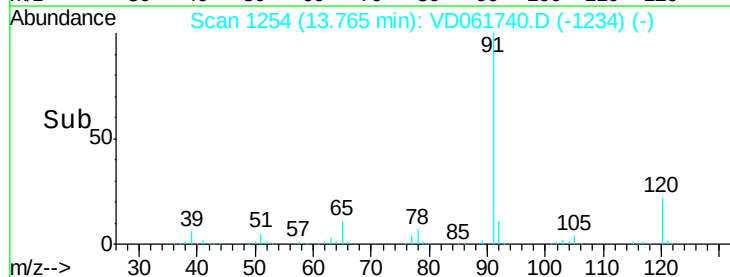
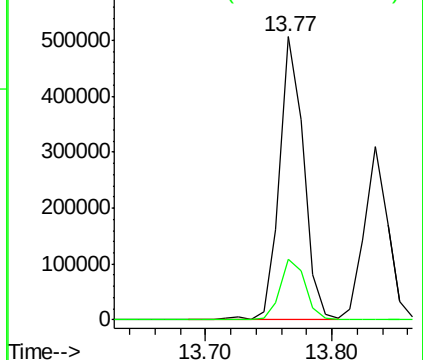
91 100

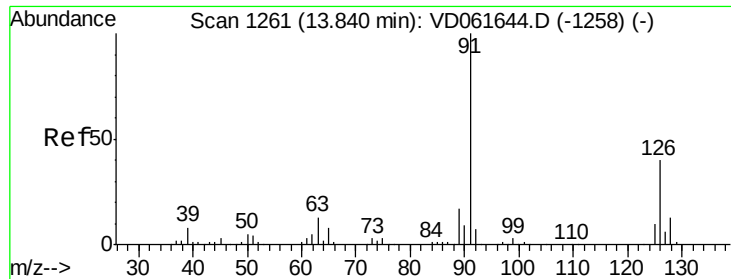
120 21.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

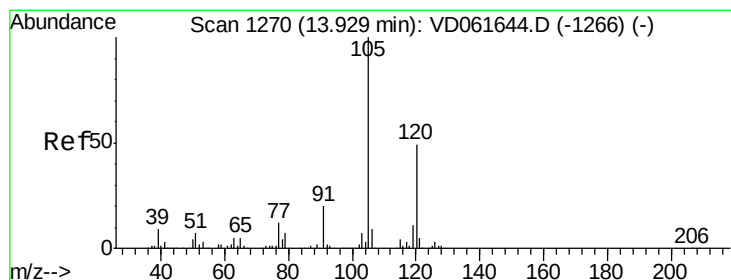
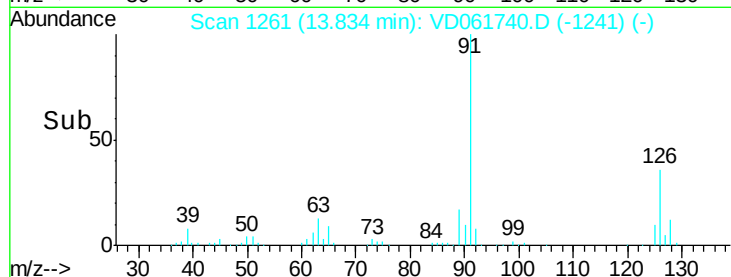
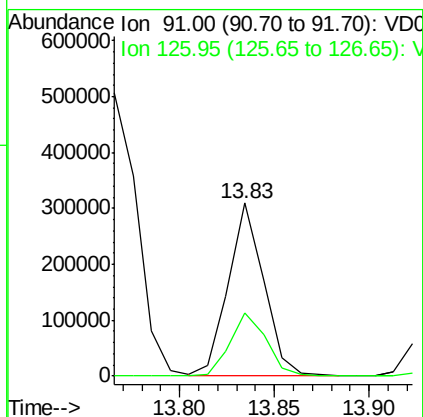
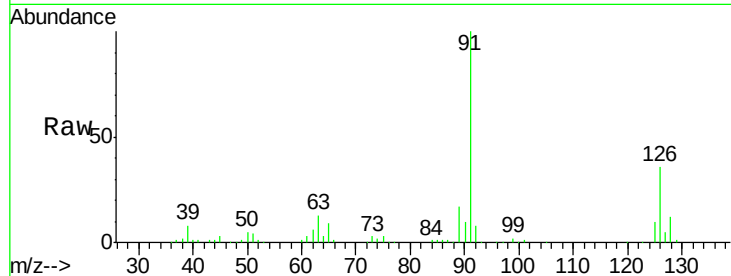




#79
 2-Chlorotoluene
 Concen: 22.095 ug/l
 RT: 13.83 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

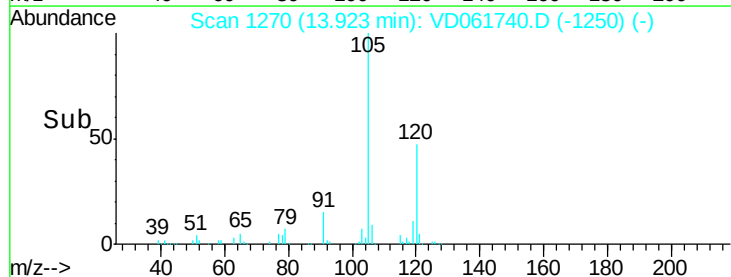
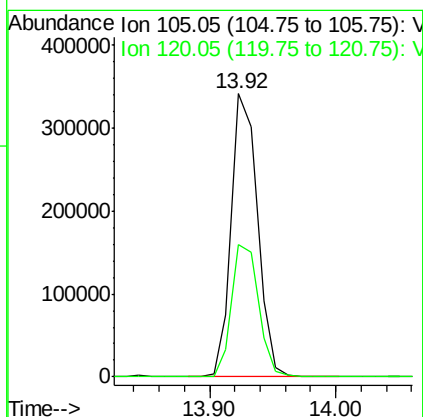
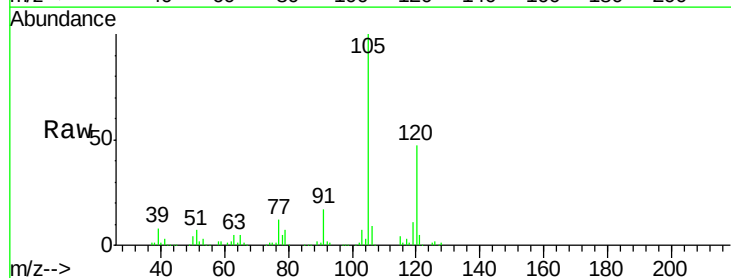
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

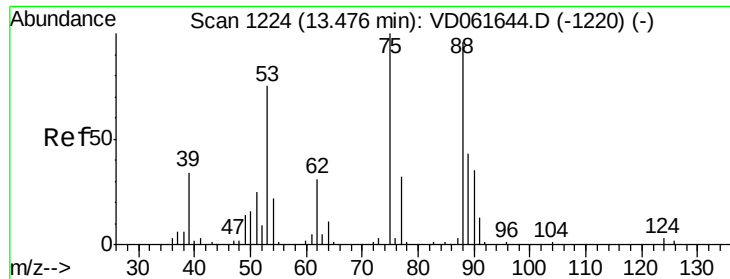
Tot Ion: 91 Resp: 401056
 Ion Ratio Lower Upper
 91 100
 126 36.3 20.0 59.9



#80
 1,3,5-Trimethylbenzene
 Concen: 23.213 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion:105 Resp: 488887
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.4 73.2

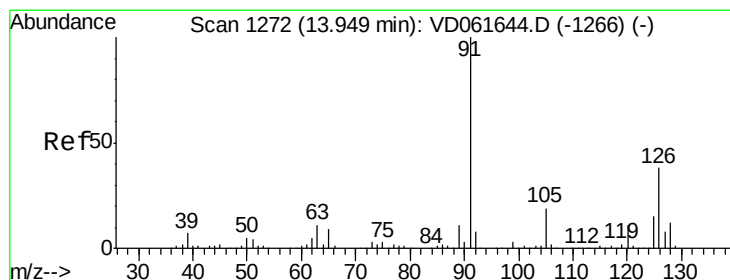
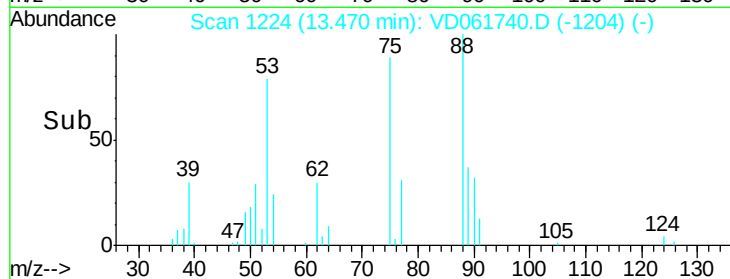
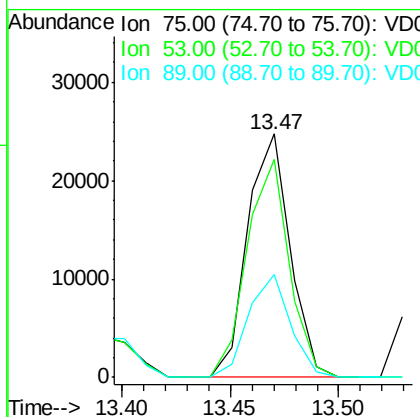
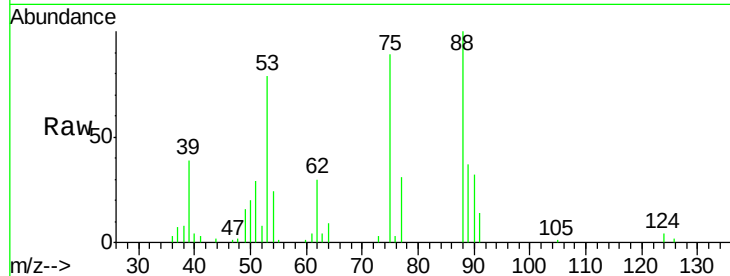




#81
trans-1,4-Dichloro-2-butene
Concen: 20.756 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

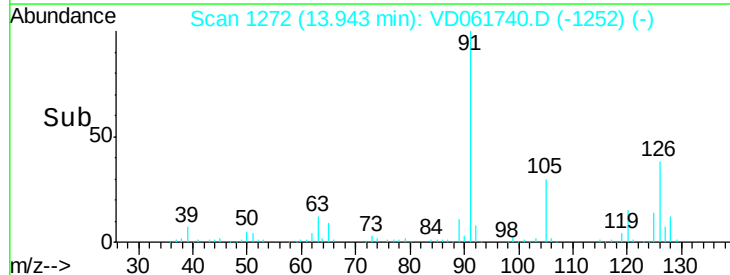
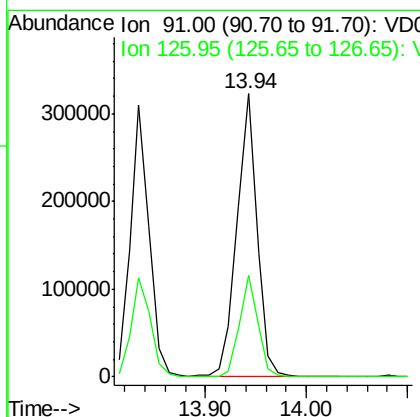
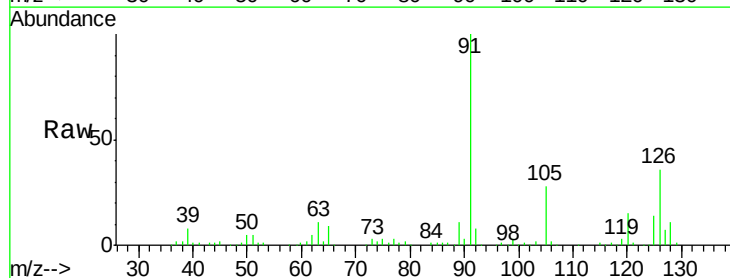
Instrument :
MSVOA_D
ClientSampleId :
VD0411SBSD01

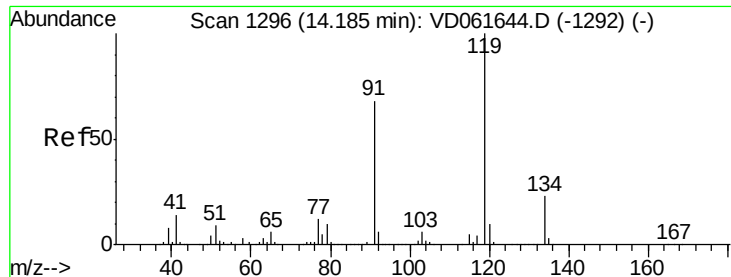
Tot Ion: 75 Resp: 34126
Ion Ratio Lower Upper
75 100
53 89.5 60.2 90.2
89 42.1 34.2 51.2



#82
4-Chlorotoluene
Concen: 22.364 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD061740.D
Acq: 11 Apr 2019 14:53

Tgt Ion: 91 Resp: 444805
Ion Ratio Lower Upper
91 100
126 35.9 19.0 57.0

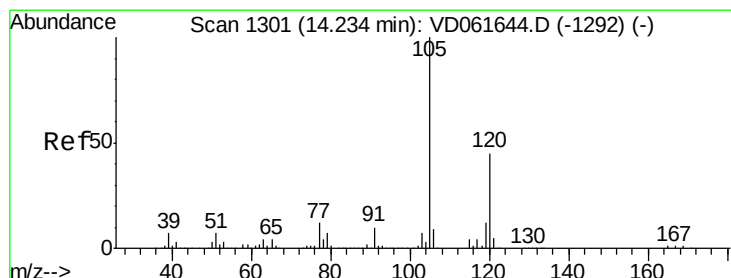
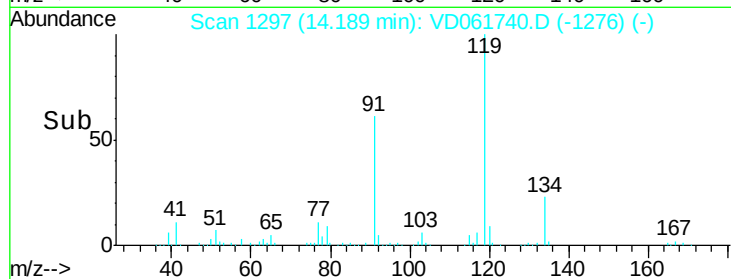
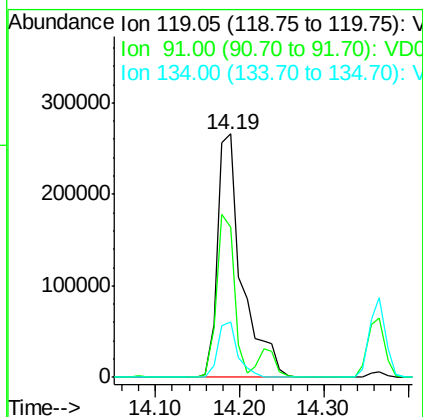
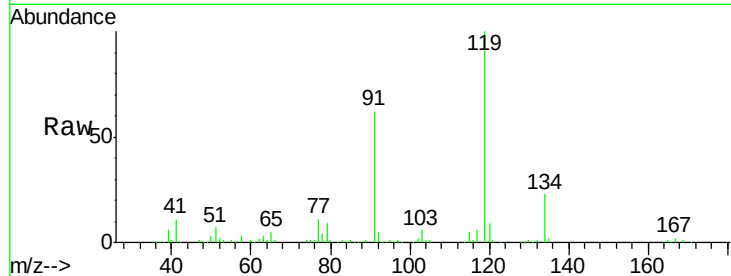




#83
 tert-Butylbenzene
 Concen: 21.127 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

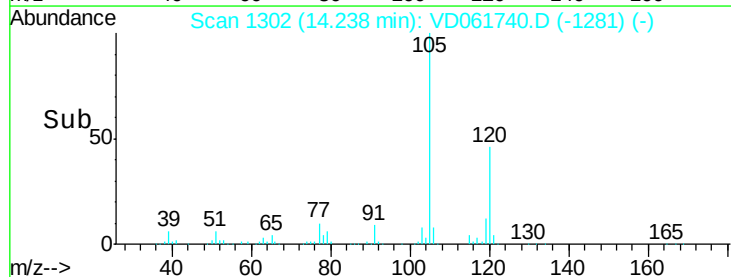
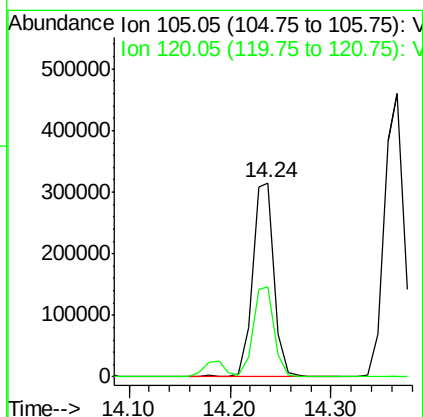
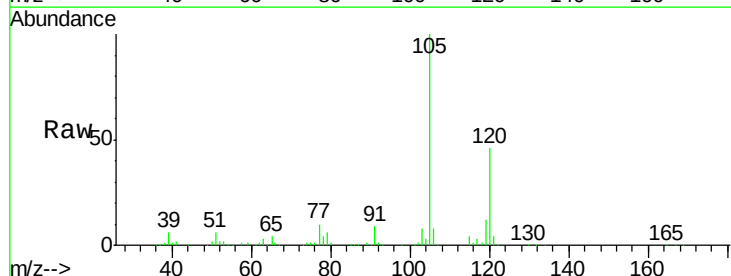
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

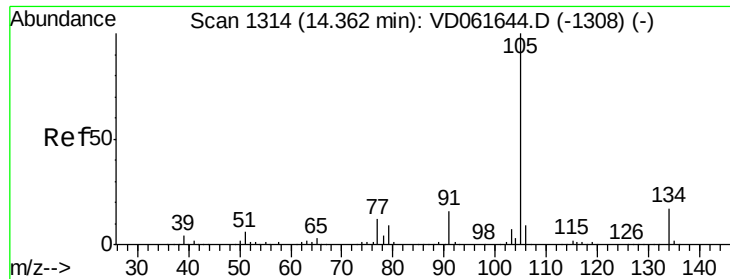
Tot Ion:119 Resp: 536480
 Ion Ratio Lower Upper
 119 100
 91 61.9 33.9 101.6
 134 22.9 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.104 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion:105 Resp: 469848
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.6 67.8

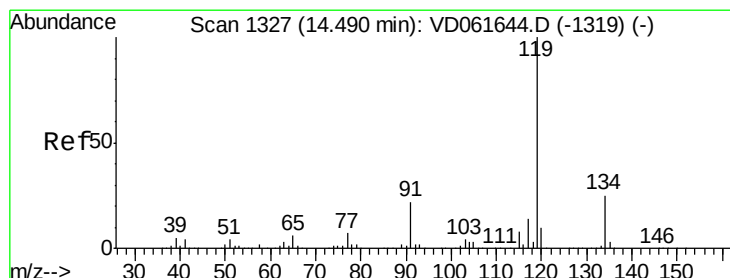
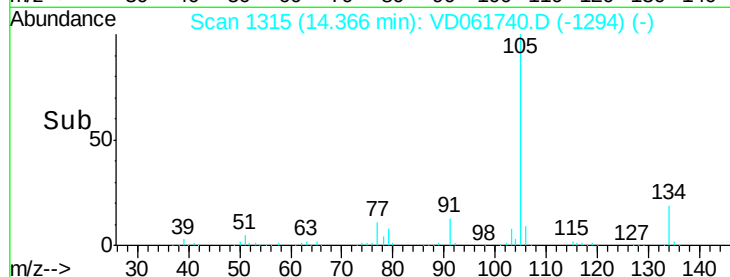
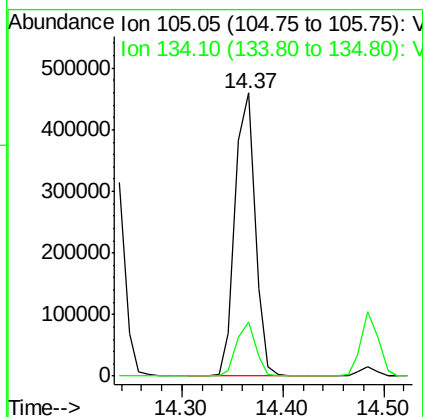
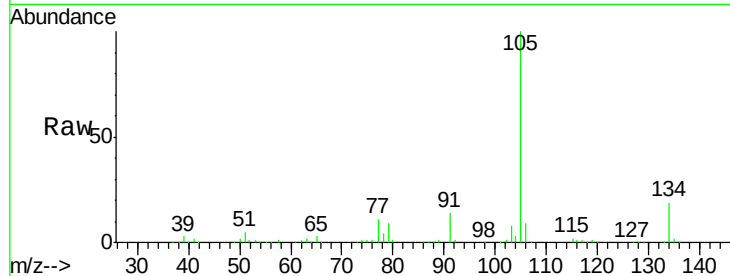




#85
 sec-Butylbenzene
 Concen: 23.252 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

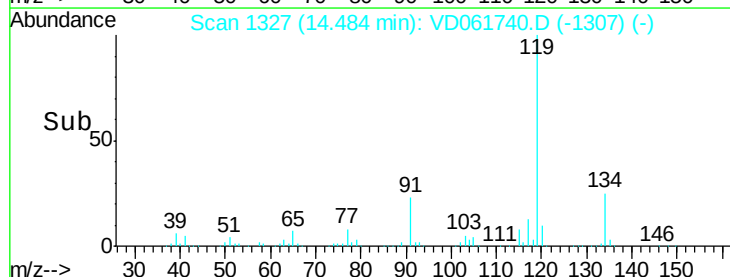
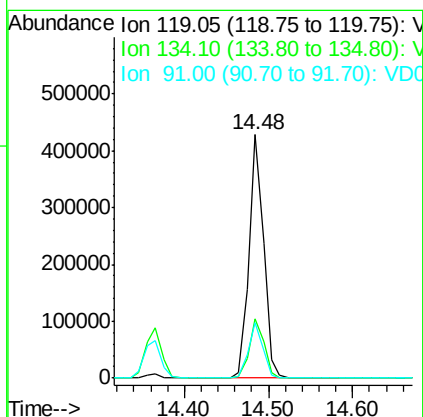
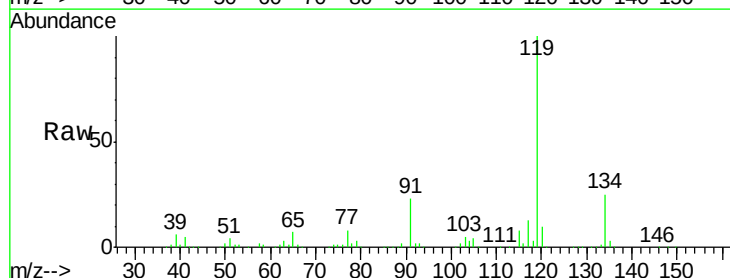
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0411SBSD01

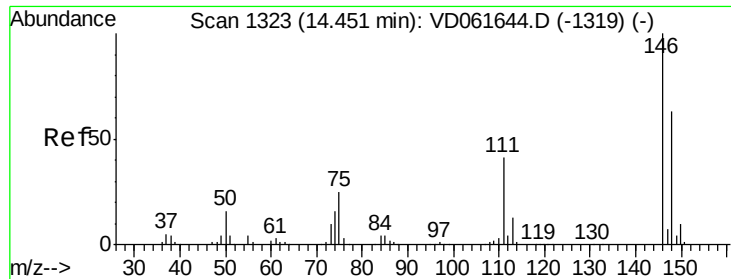
Tot Ion:105 Resp: 637931
 Ion Ratio Lower Upper
 105 100
 134 19.1 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 21.737 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion:119 Resp: 517350
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.5 37.5
 91 22.7 11.0 33.0

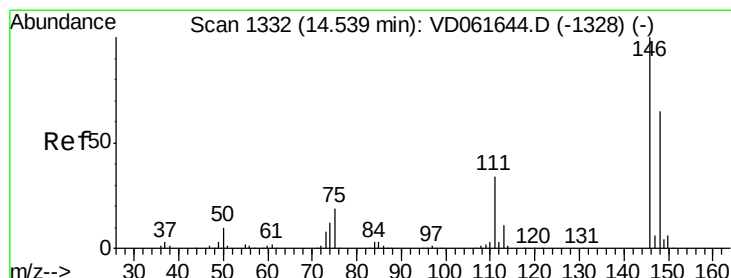
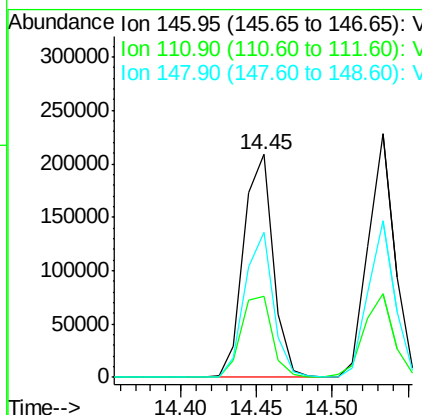
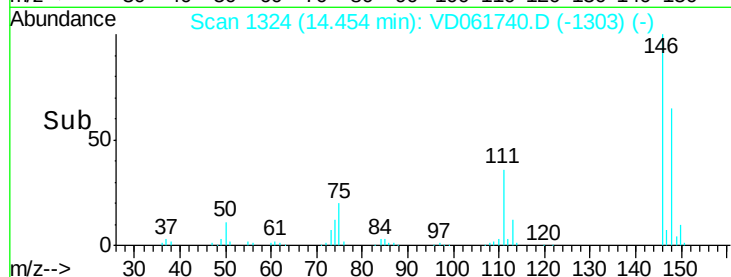
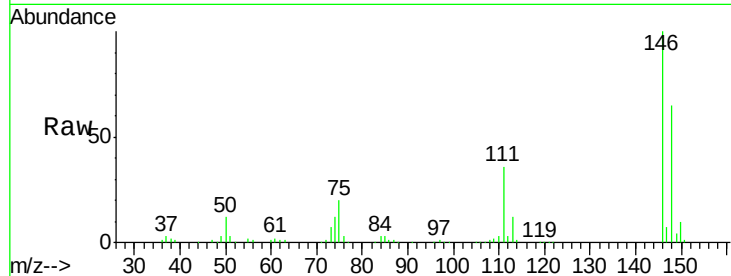




#87
 1,3-Dichlorobenzene
 Concen: 21.395 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

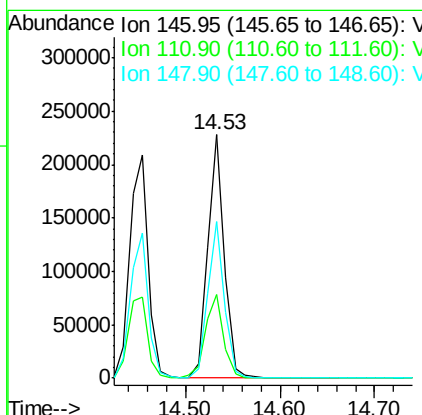
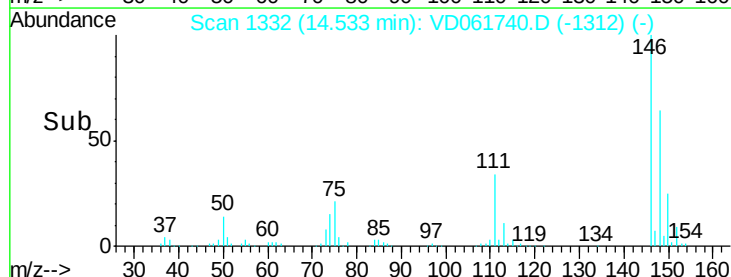
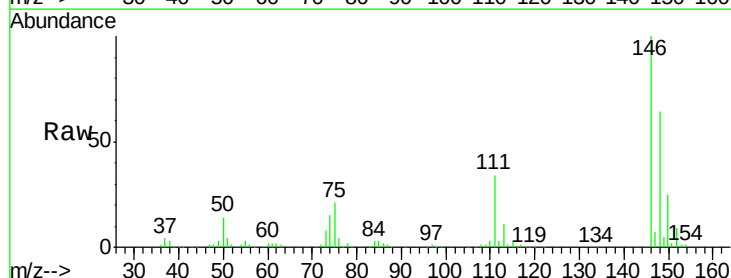
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

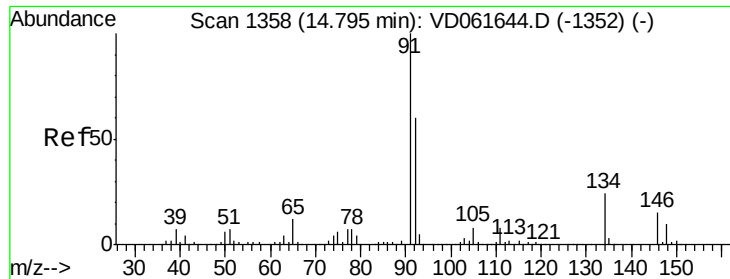
Tot Ion:146 Resp: 283602
 Ion Ratio Lower Upper
 146 100
 111 36.4 20.3 61.0
 148 65.3 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.950 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion:146 Resp: 280192
 Ion Ratio Lower Upper
 146 100
 111 34.2 17.1 51.2
 148 64.5 32.6 97.7





#89

n-Butylbenzene

Concen: 22.331 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBS01

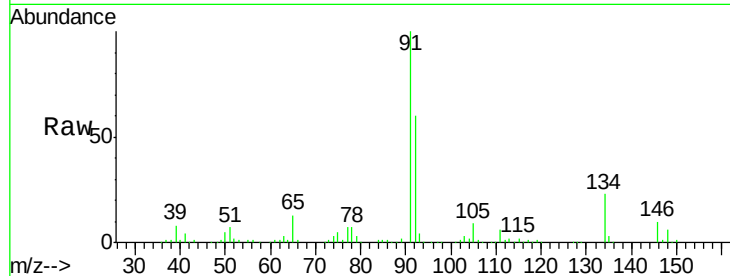
Tot Ion: 91 Resp: 461954

Ion Ratio Lower Upper

91 100

92 60.5 29.8 89.4

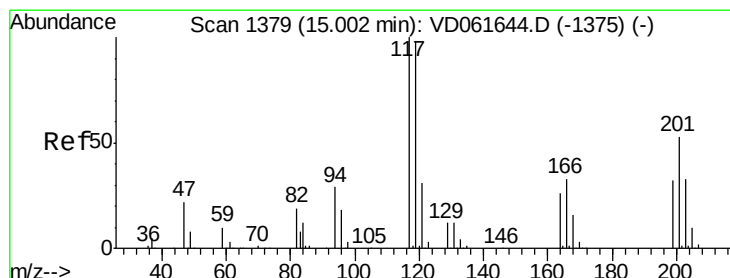
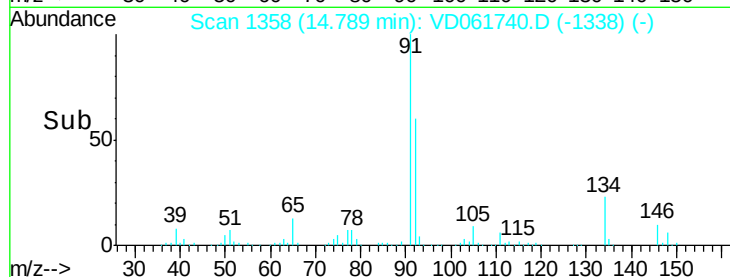
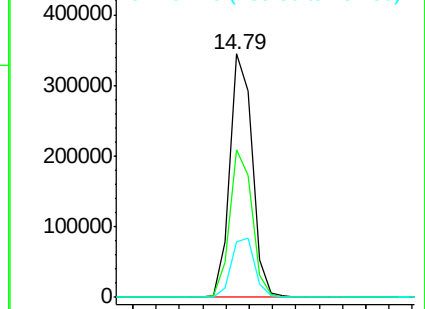
134 22.9 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 23.465 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061740.D

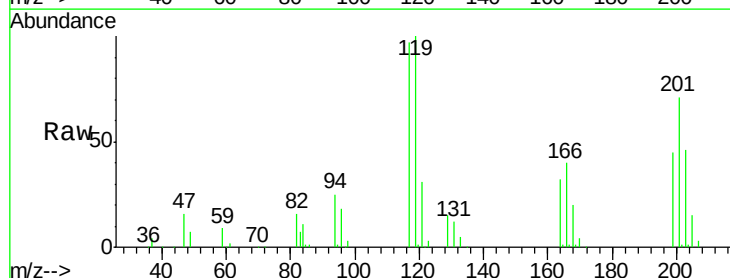
Acq: 11 Apr 2019 14:53

Tgt Ion: 117 Resp: 151536

Ion Ratio Lower Upper

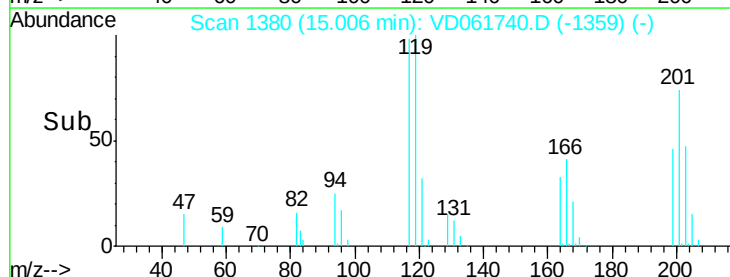
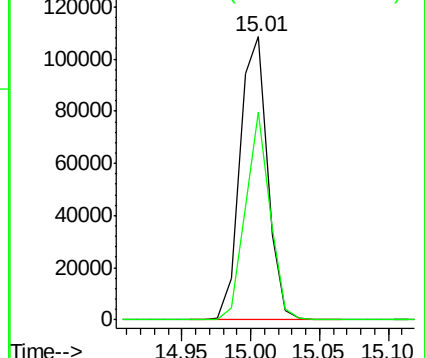
117 100

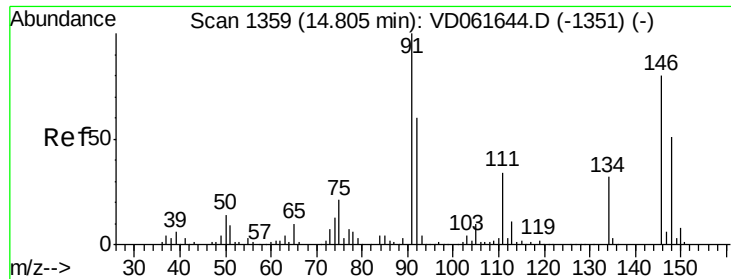
201 73.2 26.3 78.8



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

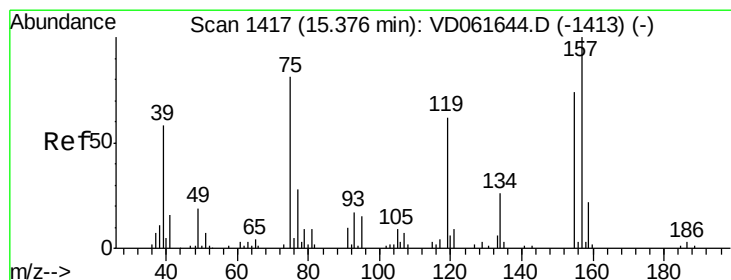
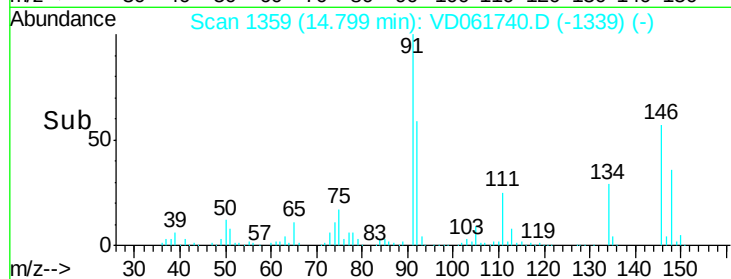
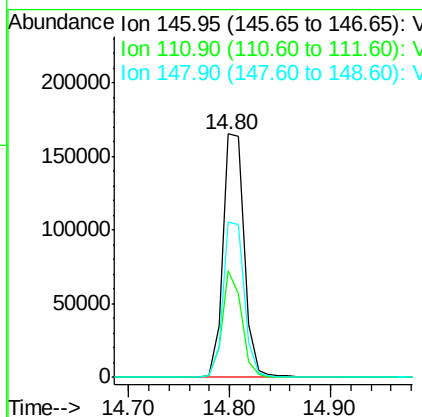
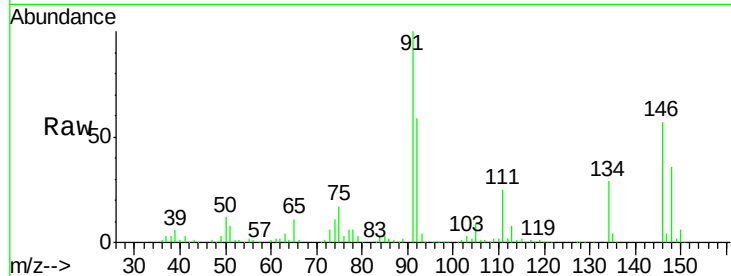




#91
 1,2-Dichlorobenzene
 Concen: 22.230 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

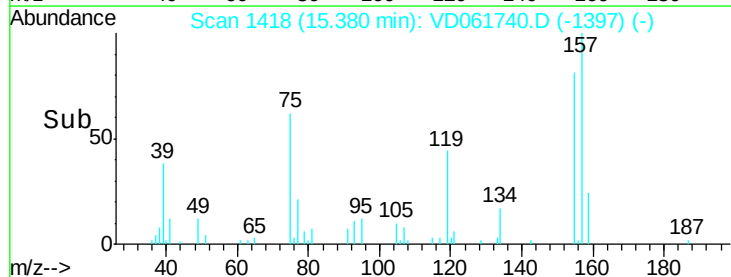
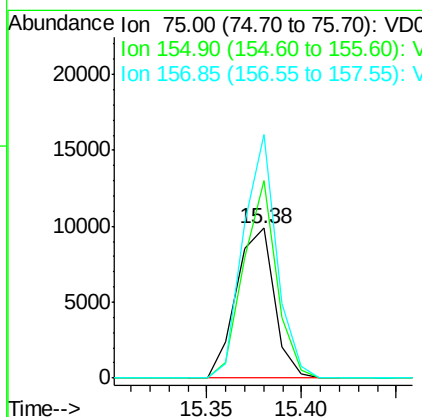
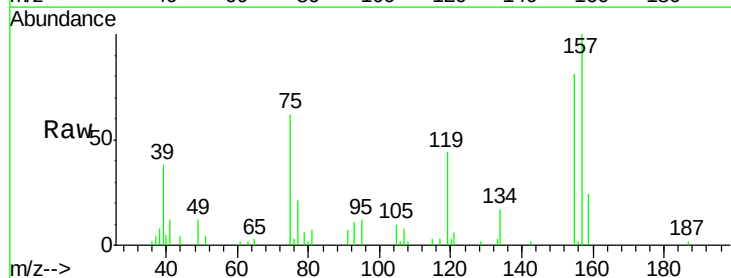
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBSD01

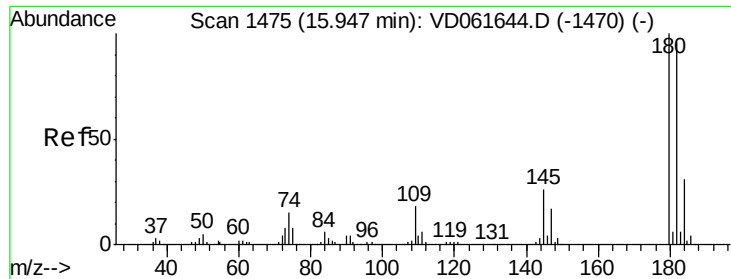
Tot Ion:146 Resp: 242861
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.1 63.3
 148 63.5 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.657 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion: 75 Resp: 13677
 Ion Ratio Lower Upper
 75 100
 155 131.5 45.6 136.7
 157 162.4 61.4 184.2

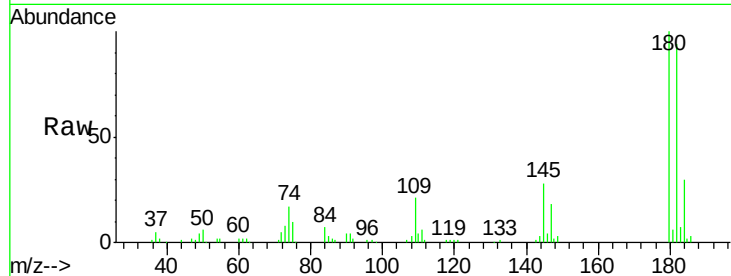




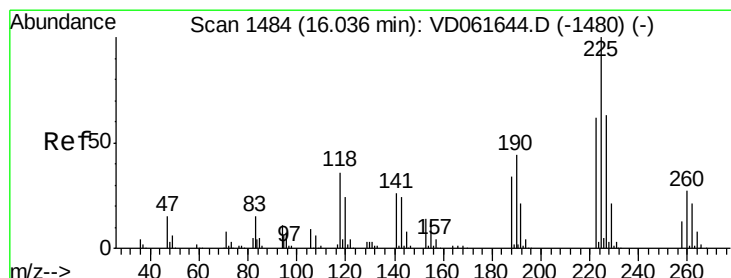
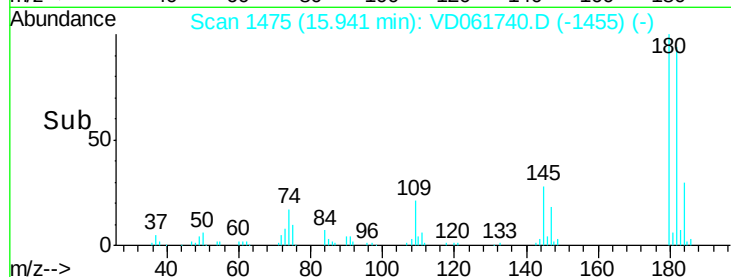
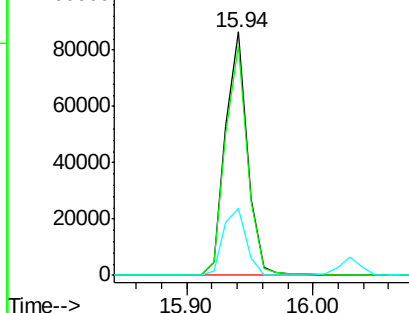
#93
 1,2,4-Trichlorobenzene
 Concen: 18.709 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS01

Tot Ion:180 Resp: 104130
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.8 143.3
 145 27.5 13.3 39.8

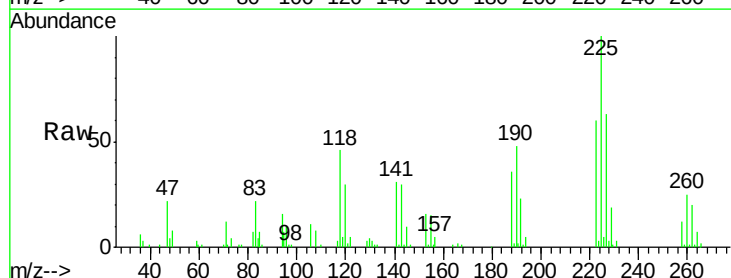


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

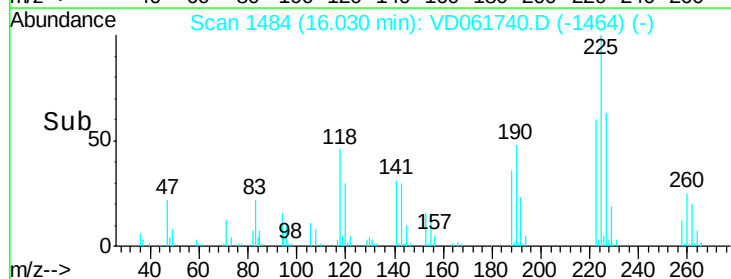
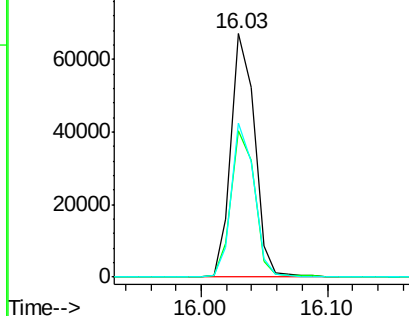


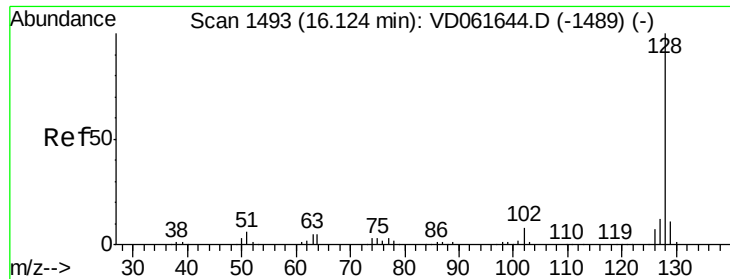
#94
 Hexachlorobutadiene
 Concen: 20.263 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD061740.D
 Acq: 11 Apr 2019 14:53

Tgt Ion:225 Resp: 87087
 Ion Ratio Lower Upper
 225 100
 223 60.0 30.8 92.3
 227 63.4 31.5 94.5



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





#95

Naphthalene

Concen: 20.393 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD0411SBSD01

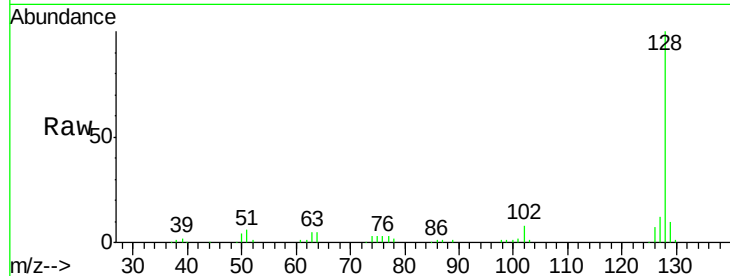
Tot Ion:128 Resp: 179598

Ion Ratio Lower Upper

128 100

127 12.4 9.4 14.2

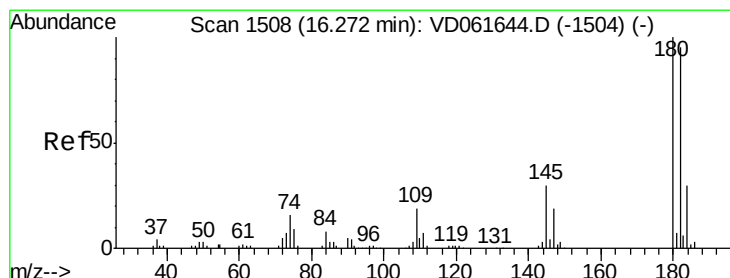
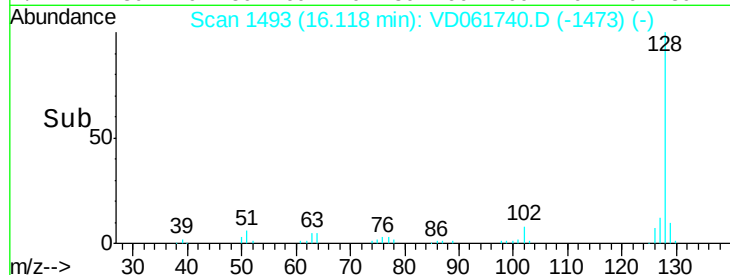
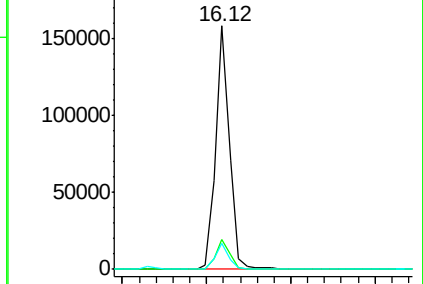
129 10.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.555 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD061740.D

Acq: 11 Apr 2019 14:53

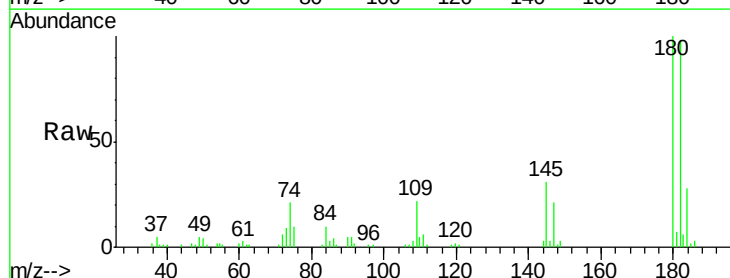
Tgt Ion:180 Resp: 48765

Ion Ratio Lower Upper

180 100

182 98.0 47.3 142.0

145 30.6 15.1 45.3



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

