

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032119\
 Data File : VD061237.D
 Acq On : 21 Mar 2019 11:20
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 22 04:28:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	670607	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1091528	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	855164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	362900	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	271092	48.57	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	6.93	113	433344	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
50) Toluene-d8	10.42	98	1042922	51.27	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.54%	
62) 4-Bromofluorobenzene	13.56	95	395337	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	316387	47.629	ug/l	99
3) Chloromethane	1.77	50	246375	44.523	ug/l	99
4) Vinyl Chloride	1.86	62	242641	47.453	ug/l	97
5) Bromomethane	2.16	94	39751	42.499	ug/l	96
6) Chloroethane	2.28	64	83832	54.774	ug/l	94
7) Trichlorofluoromethane	2.54	101	365265	49.727	ug/l	98
8) Diethyl Ether	2.89	74	118643	48.961	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.16	101	430797	52.458	ug/l	98
10) Methyl Iodide	3.32	142	589772	52.023	ug/l	99
11) Tert butyl alcohol	4.08	59	97752	275.077	ug/l	99
12) 1,1-Dichloroethene	3.14	96	333600	49.558	ug/l	96
13) Acrolein	3.05	56	120420	234.199	ug/l	99
14) Allyl chloride	3.64	41	523675	48.622	ug/l	96
15) Acrylonitrile	4.21	53	326689	260.110	ug/l	98
16) Acetone	3.23	43	463039	290.083	ug/l	99
17) Carbon Disulfide	3.39	76	1020518	44.942	ug/l	98
18) Methyl Acetate	3.65	43	180237	57.375	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	637370	54.028	ug/l	96
20) Methylene Chloride	3.83	84	398183	55.194	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	369206	50.674	ug/l	94
22) Diisopropyl ether	5.14	45	1079736	48.292	ug/l	98
23) Vinyl Acetate	5.07	43	2865398	249.653	ug/l	97
24) 1,1-Dichloroethane	4.99	63	636302	51.942	ug/l	98
25) 2-Butanone	6.09	43	492103	271.688	ug/l	98
26) 2,2-Dichloropropane	6.04	77	541618	56.636	ug/l	99
27) cis-1,2-Dichloroethene	6.06	96	417053	53.950	ug/l	94
28) Bromochloromethane	6.45	49	251144	48.427	ug/l	95
29) Tetrahydrofuran	6.46	42	236031	239.985	ug/l	94
30) Chloroform	6.68	83	672134	52.940	ug/l	99
31) Cyclohexane	6.97	56	495268	50.140	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	573815	52.277	ug/l	96
36) 1,1-Dichloropropene	7.16	75	497686	52.896	ug/l	99
37) Ethyl Acetate	6.20	43	206726	46.821	ug/l	97
38) Carbon Tetrachloride	7.13	117	612022	59.052	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	458953	47.042	ug/l	98
40) Benzene	7.47	78	1206741	51.328	ug/l	100
41) Methacrylonitrile	6.45	41	261426	51.477	ug/l #	93
42) 1,2-Dichloroethane	7.58	62	364959	53.493	ug/l	100
43) Isopropyl Acetate	9.25	43	328798	53.767	ug/l	100
44) Trichloroethene	8.56	130	421494	51.966	ug/l	99
45) 1,2-Dichloropropane	8.95	63	313558	50.765	ug/l	100
46) Dibromomethane	9.07	93	215104	54.901	ug/l	96
47) Bromodichloromethane	9.39	83	485070	54.864	ug/l	99
48) Methyl methacrylate	9.13	41	176501	51.262	ug/l	97
49) 1,4-Dioxane	9.09	88	39385	1131.233	ug/l #	95
51) 4-Methyl-2-Pentanone	10.31	43	935599	249.735	ug/l	98
52) Toluene	10.52	92	725126	49.600	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	457736	56.619	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	539272	55.517	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	266815	54.803	ug/l	97
56) Ethyl methacrylate	11.05	69	286294	56.180	ug/l	99
57) 1,3-Dichloropropane	11.41	76	390087	53.616	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	614133	227.671	ug/l	99
59) 2-Hexanone	11.54	43	673080	245.610	ug/l	96
60) Dibromochloromethane	11.69	129	411165	57.383	ug/l	99
61) 1,2-Dibromoethane	11.82	107	292451	51.637	ug/l	99
64) Tetrachloroethene	11.27	164	331321	57.394	ug/l	98
65) Chlorobenzene	12.41	112	943503	56.279	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	355591	59.504	ug/l	99
67) Ethyl Benzene	12.53	91	1414837	56.687	ug/l	98
68) m/p-Xylenes	12.67	106	1058202	108.023	ug/l	96
69) o-Xylene	13.06	106	512136	53.185	ug/l	98
70) Styrene	13.08	104	814061	51.773	ug/l	99
71) Bromoform	13.24	173	227136	58.919	ug/l	95
73) Isopropylbenzene	13.41	105	1466964	56.091	ug/l	99
74) N-amyl acetate	13.27	43	389150	52.843	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	289719	56.778	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	300741	57.602	ug/l	99
77) Bromobenzene	13.68	156	363791	54.491	ug/l	99
78) n-propylbenzene	13.78	91	1583029	51.703	ug/l	100
79) 2-Chlorotoluene	13.84	91	910101	53.992	ug/l	98
80) 1,3,5-Trimethylbenzene	14.24	105	1123681	56.595	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	94516	61.404	ug/l	94
82) 4-Chlorotoluene	13.95	91	972319	48.793	ug/l	98
83) tert-Butylbenzene	14.20	119	1285213	59.148	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1123681	56.595	ug/l	100
85) sec-Butylbenzene	14.38	105	1471571	55.475	ug/l	100
86) p-Isopropyltoluene	14.49	119	1088593	50.205	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	671746	56.348	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	597092	50.968	ug/l	99
89) n-Butylbenzene	14.80	91	1120812	53.827	ug/l	99
90) Hexachloroethane	15.02	117	378993	61.900	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	589718	59.338	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	36086	58.686	ug/l	92

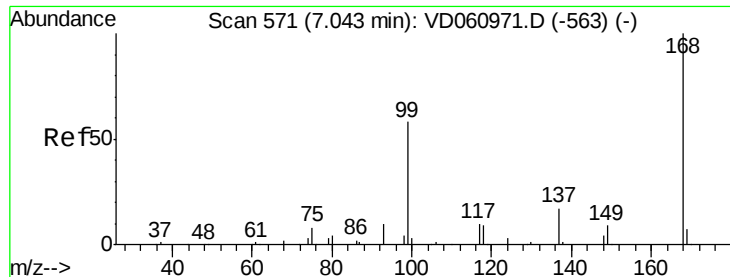
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	241853	52.458	ug/l	99
94) Hexachlorobutadiene	16.04	225	185744	53.264	ug/l	98
95) Naphthalene	16.13	128	332029	47.392	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	98258	43.151	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

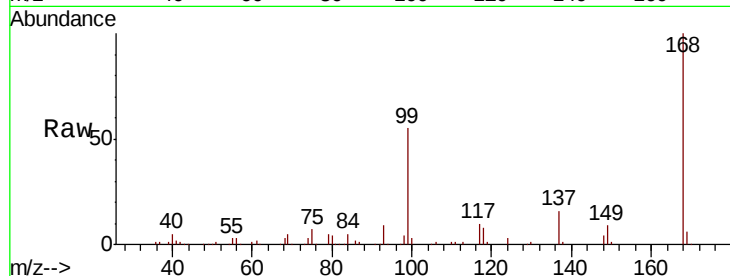
VSTDCCC050

Tot Ion:168 Resp: 670607

Ion Ratio Lower Upper

168 100

99 54.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

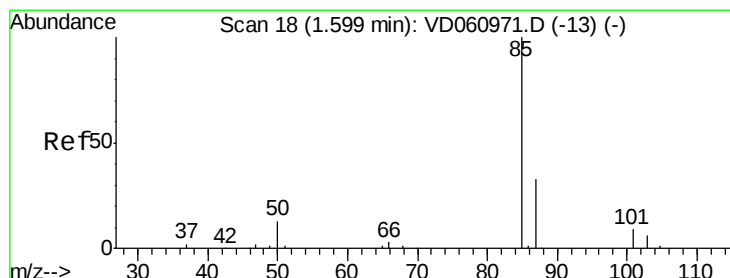
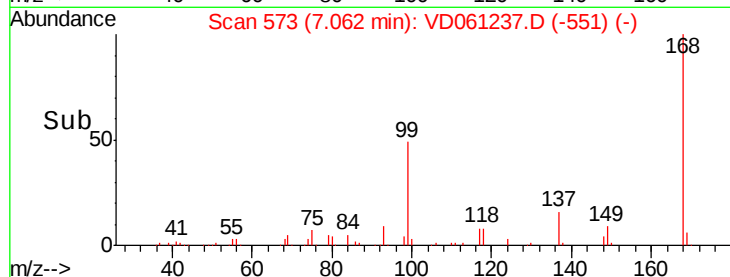
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 47.629 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061237.D

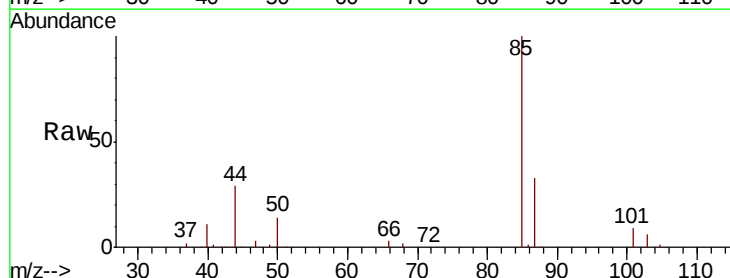
Acq: 21 Mar 2019 11:20

Tgt Ion: 85 Resp: 316387

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

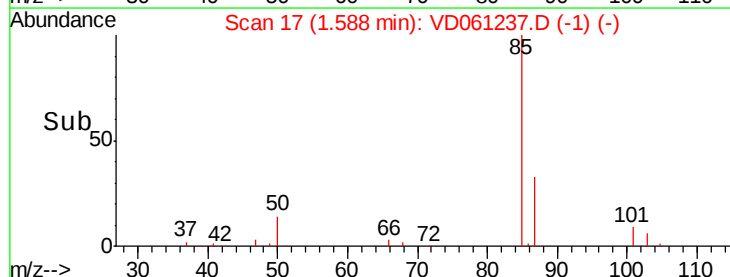
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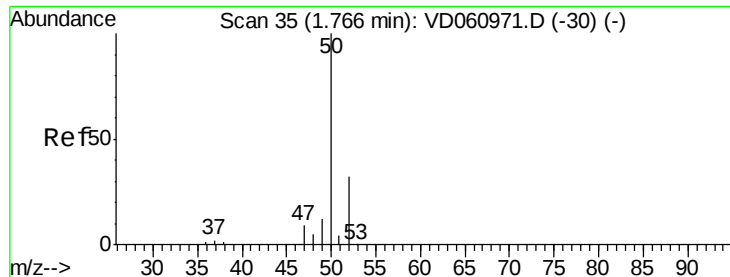
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 44.523 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

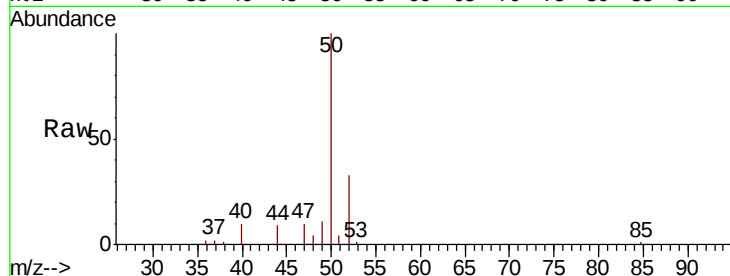
VSTDCCC050

Tot Ion: 50 Resp: 246375

Ion Ratio Lower Upper

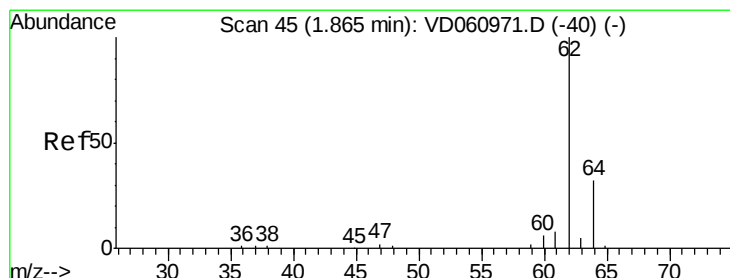
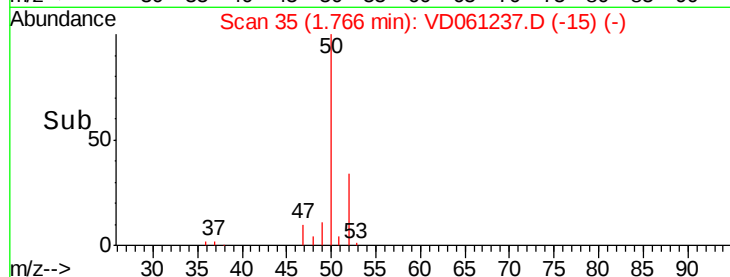
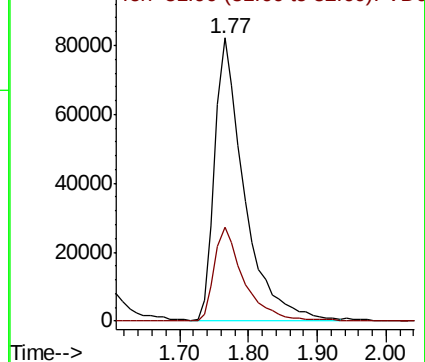
50 100

52 33.1 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.453 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061237.D

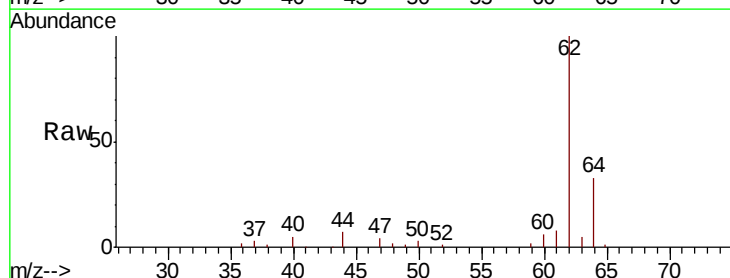
Acq: 21 Mar 2019 11:20

Tgt Ion: 62 Resp: 242641

Ion Ratio Lower Upper

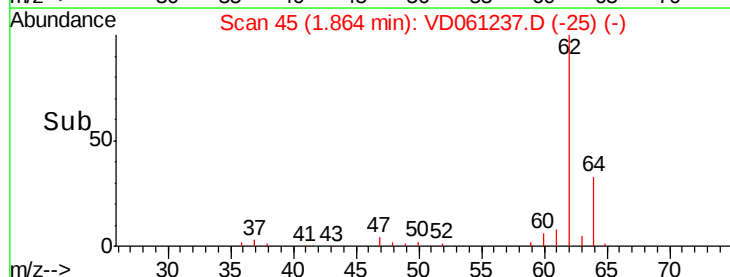
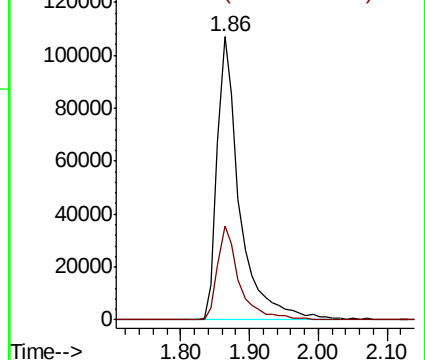
62 100

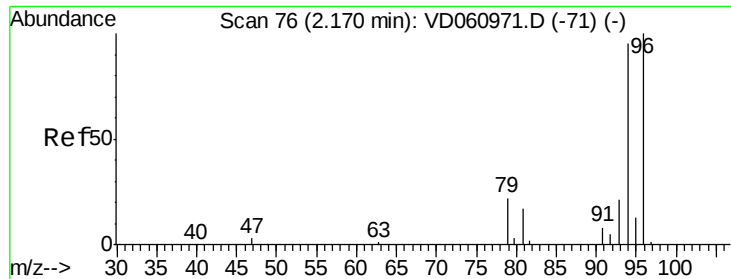
64 33.0 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 42.499 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

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ClientSampleId :

VSTDCCC050

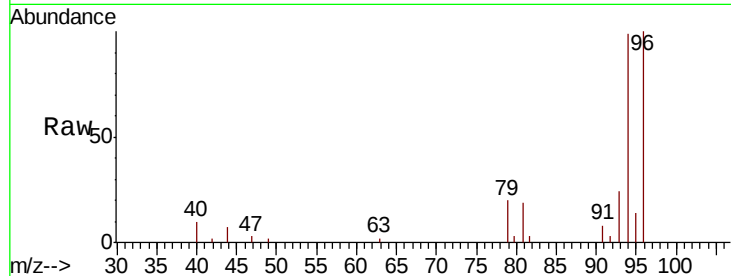
Tot Ion: 94 Resp: 39751

Ion Ratio Lower Upper

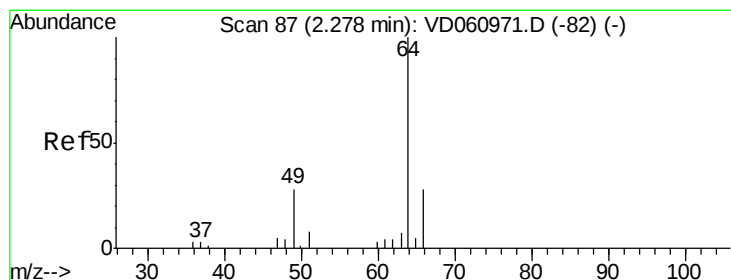
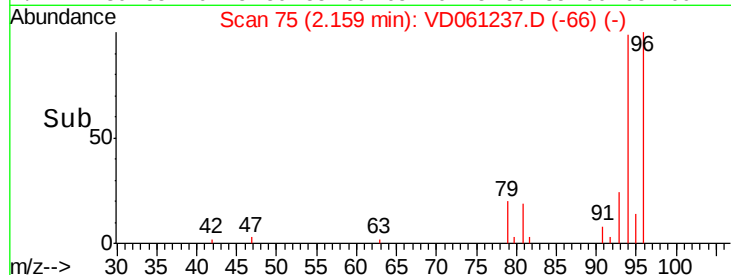
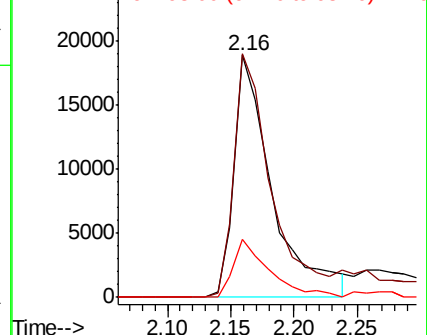
94 100

96 100.7 84.0 126.0

93 23.9 17.3 25.9



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: 54.774 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD061237.D

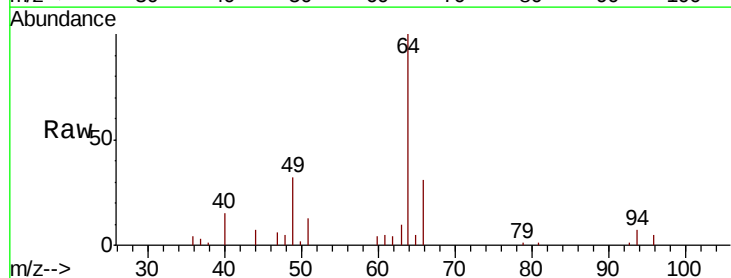
Acq: 21 Mar 2019 11:20

Tgt Ion: 64 Resp: 83832

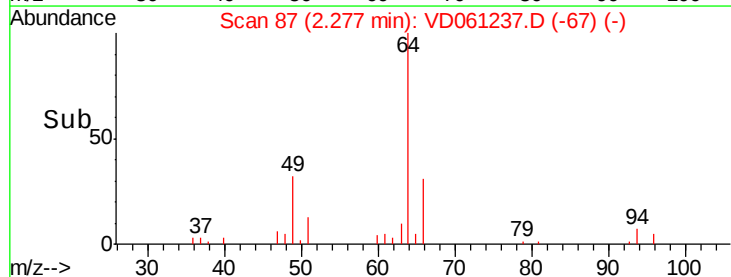
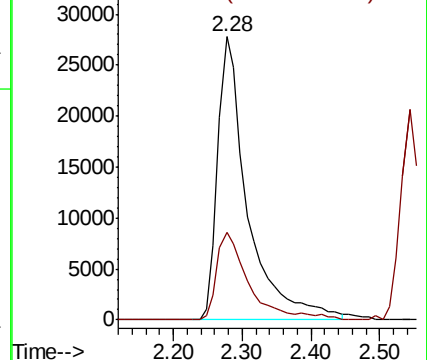
Ion Ratio Lower Upper

64 100

66 30.8 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



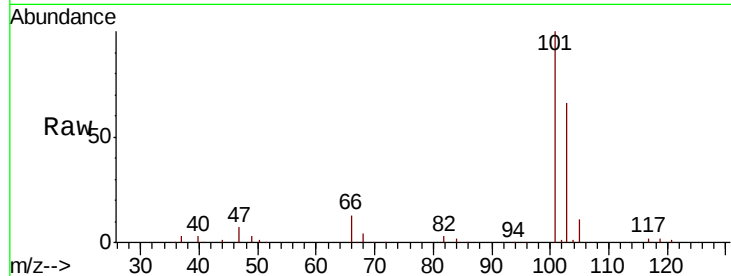


#7

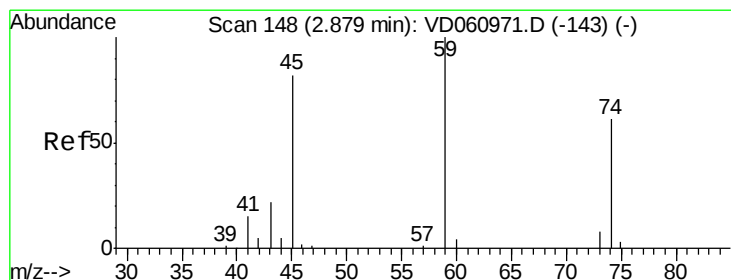
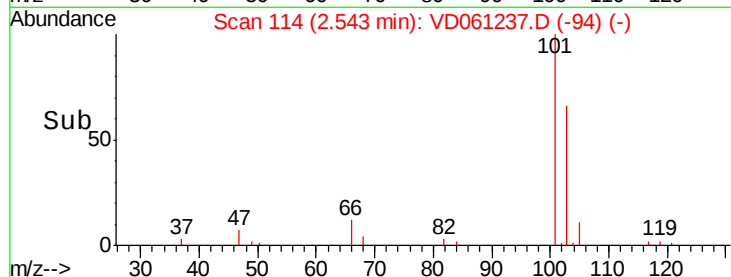
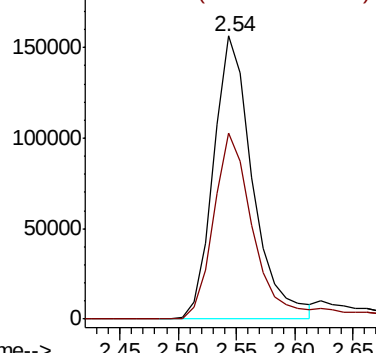
Trichlorofluoromethane
Concen: 49.727 ug/l
RT: 2.54 min Scan# 114
Delta R.T. -0.00 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 365265
Ion Ratio Lower Upper
101 100
103 65.8 51.2 76.8



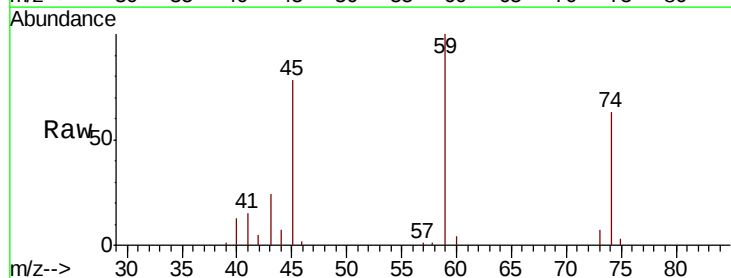
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



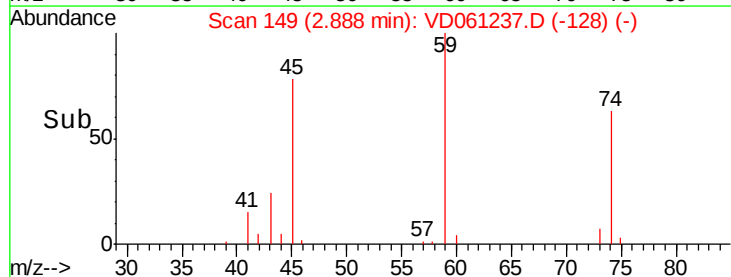
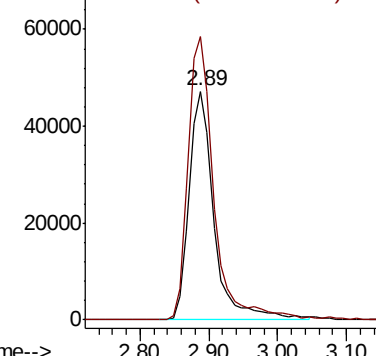
#8

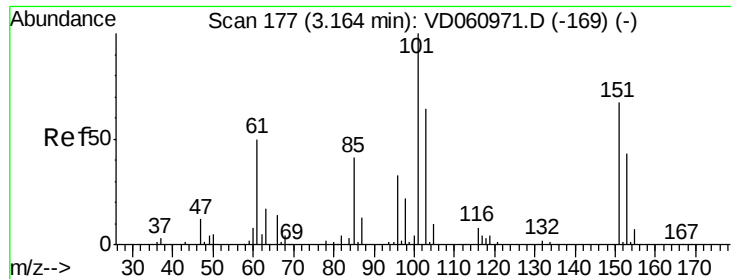
Diethyl Ether
Concen: 48.961 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Tgt Ion: 74 Resp: 118643
Ion Ratio Lower Upper
74 100
45 123.9 67.0 201.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.458 ug/l

RT: 3.16 min Scan# 177

Delta R.T. -0.00 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

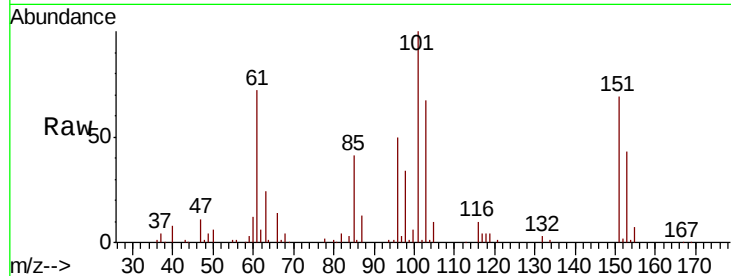
Tot Ion:101 Resp: 430797

Ion Ratio Lower Upper

101 100

85 41.4 32.5 48.7

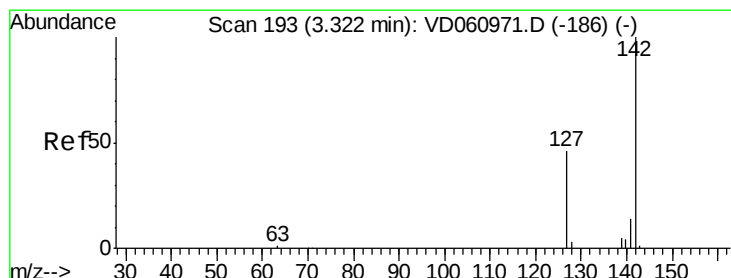
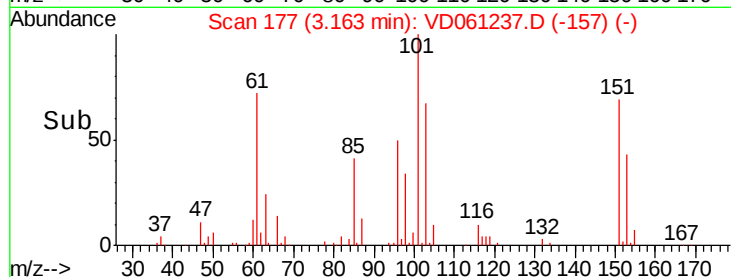
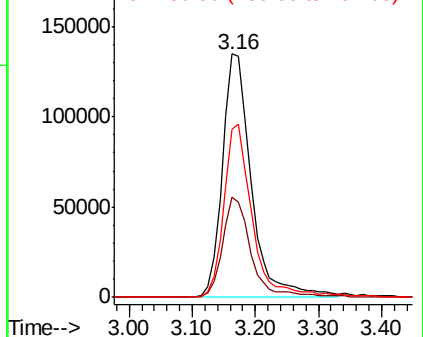
151 69.1 53.3 79.9



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: 52.023 ug/l

RT: 3.32 min Scan# 193

Delta R.T. -0.00 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

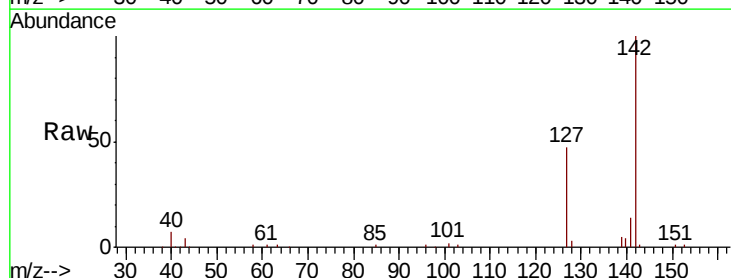
Tgt Ion:142 Resp: 589772

Ion Ratio Lower Upper

142 100

127 46.6 36.8 55.2

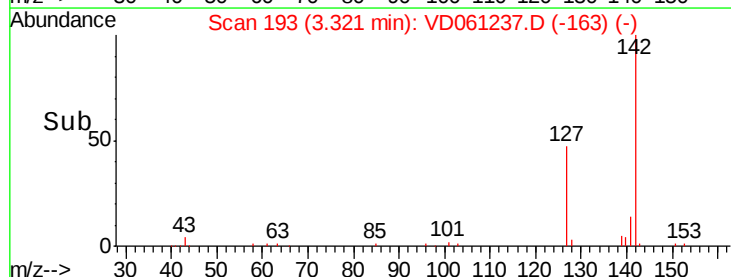
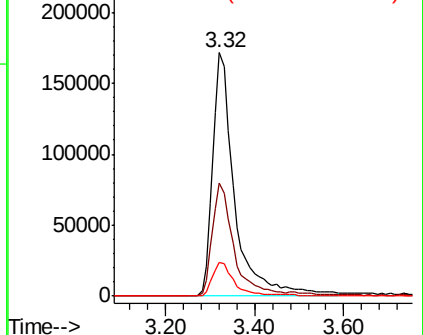
141 14.0 11.2 16.8

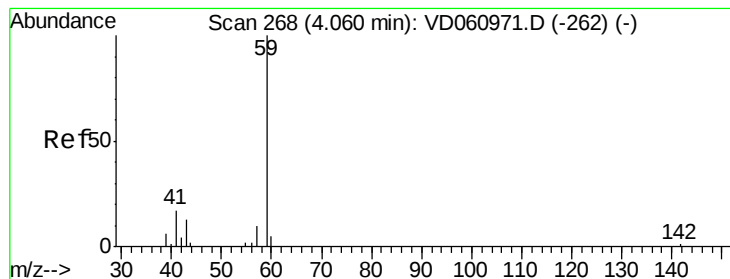


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



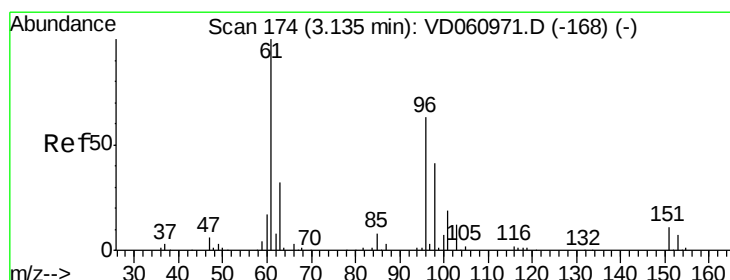
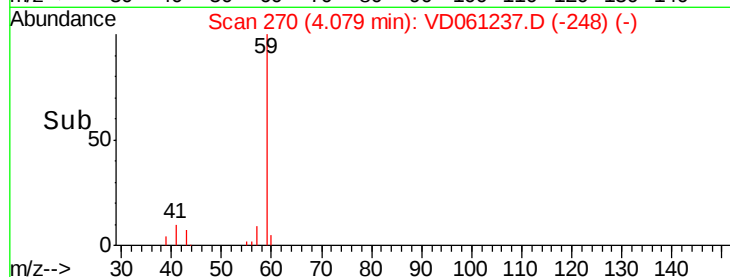
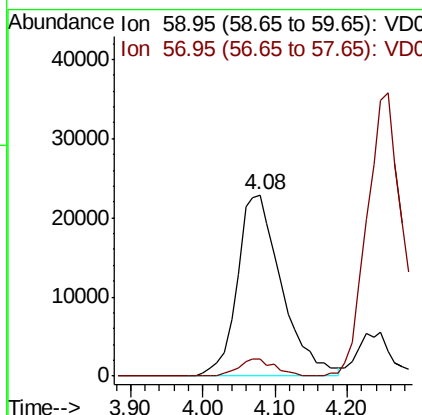
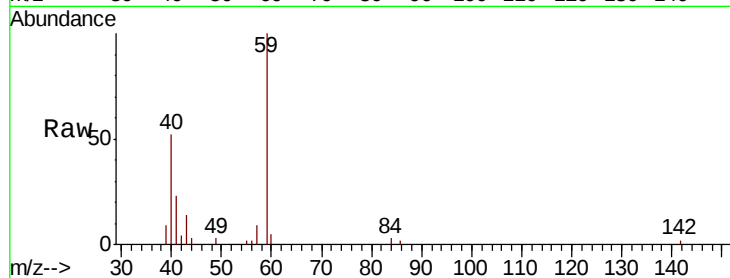


#11

Tert butyl alcohol
Concen: 275.077 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

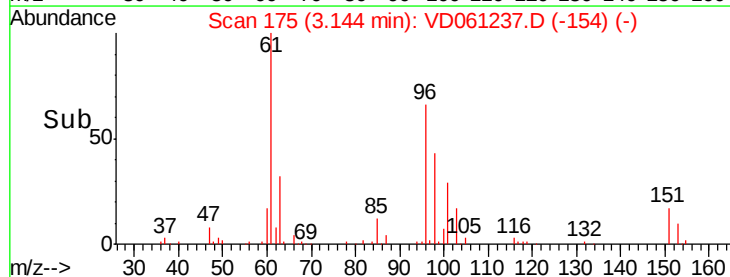
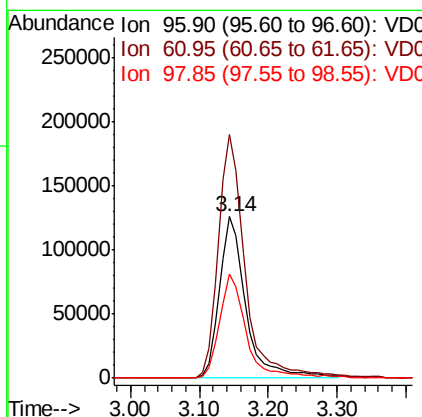
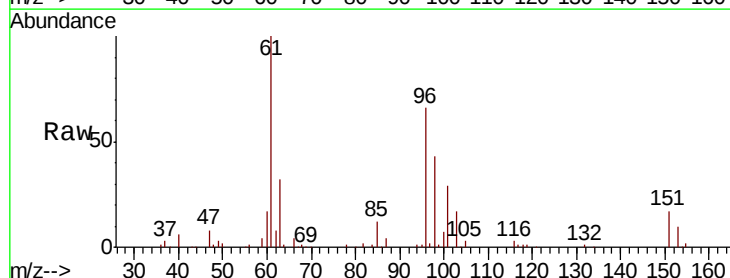
Tot Ion: 59 Resp: 97752
Ion Ratio Lower Upper
59 100
57 9.1 7.1 10.7

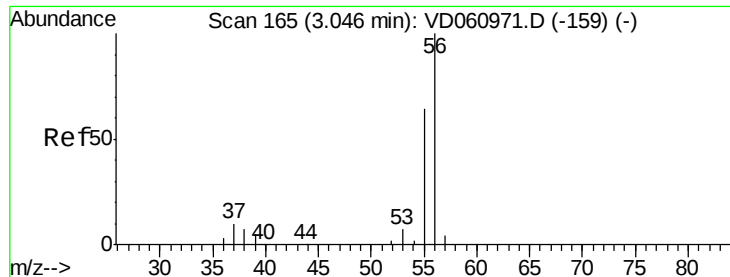


#12

1,1-Dichloroethene
Concen: 49.558 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Tgt Ion: 96 Resp: 333600
Ion Ratio Lower Upper
96 100
61 151.2 127.1 190.7
98 64.9 51.5 77.3





#13

Acrolein

Concen: 234.199 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

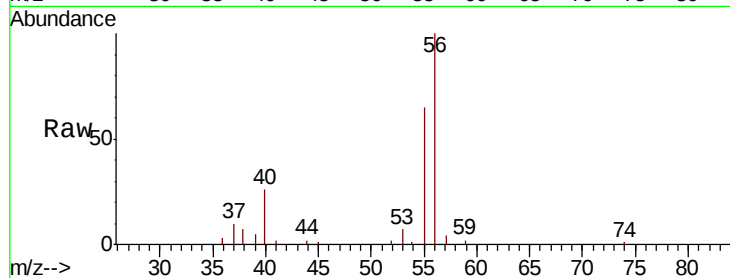
VSTDCCC050

Tot Ion: 56 Resp: 120420

Ion Ratio Lower Upper

56 100

55 65.0 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.05

40000

30000

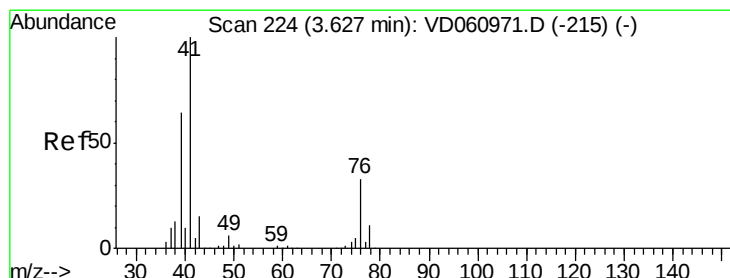
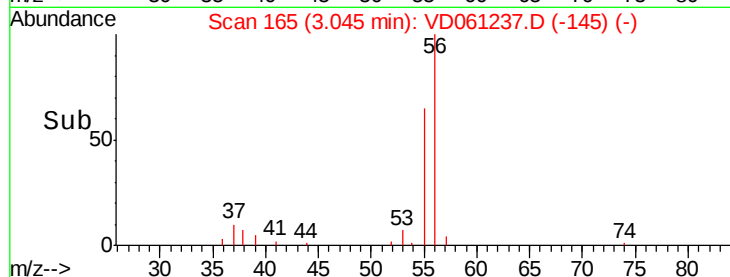
20000

10000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 48.622 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

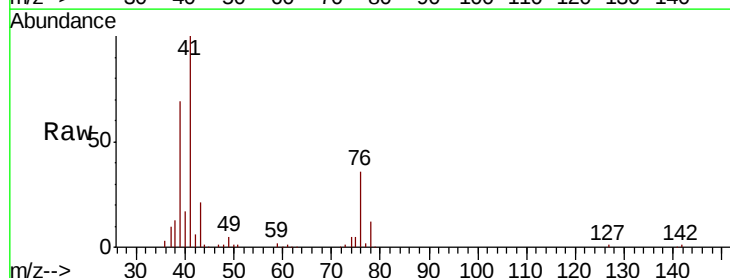
Tgt Ion: 41 Resp: 523675

Ion Ratio Lower Upper

41 100

39 68.9 51.1 76.7

76 36.2 29.1 43.7



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

250000

200000

150000

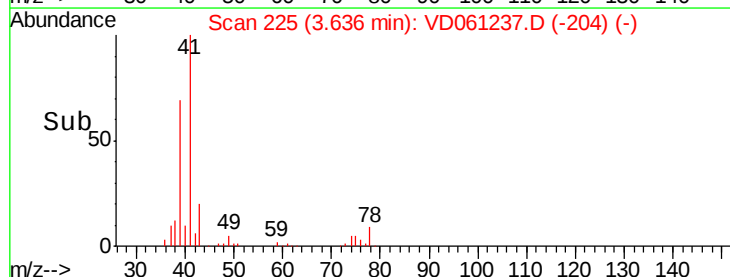
100000

50000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 260.110 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

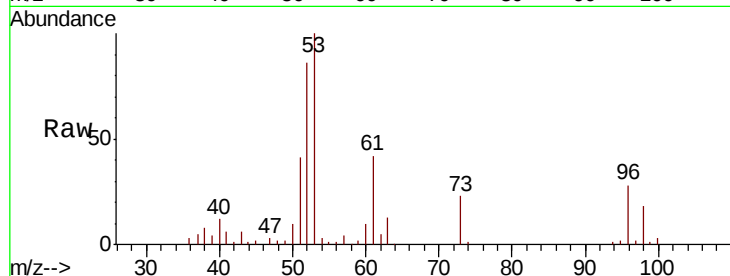
Tot Ion: 53 Resp: 326689

Ion Ratio Lower Upper

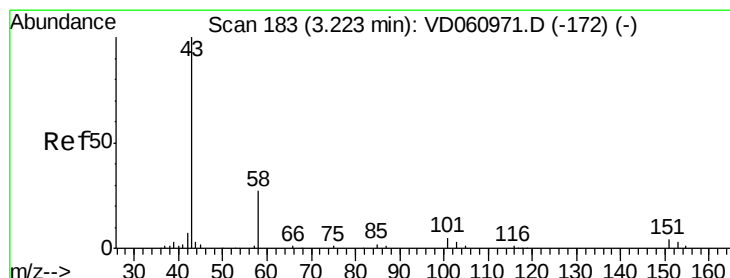
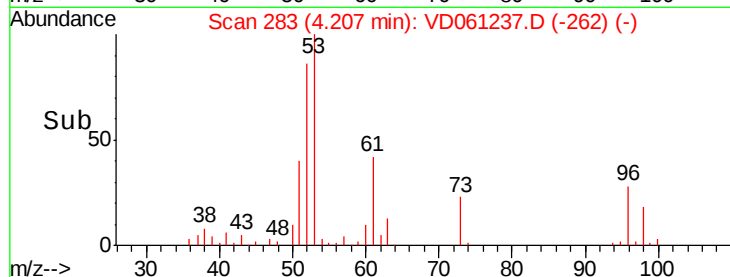
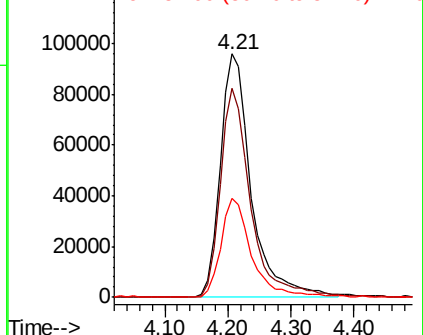
53 100

52 86.0 70.2 105.4

51 40.6 31.7 47.5



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



#16

Acetone

Concen: 290.083 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061237.D

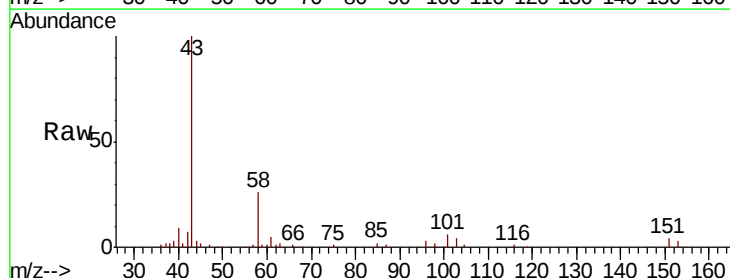
Acq: 21 Mar 2019 11:20

Tgt Ion: 43 Resp: 463039

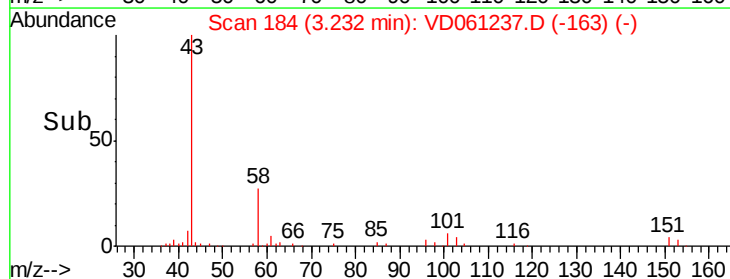
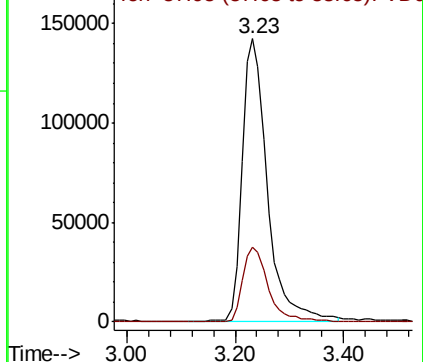
Ion Ratio Lower Upper

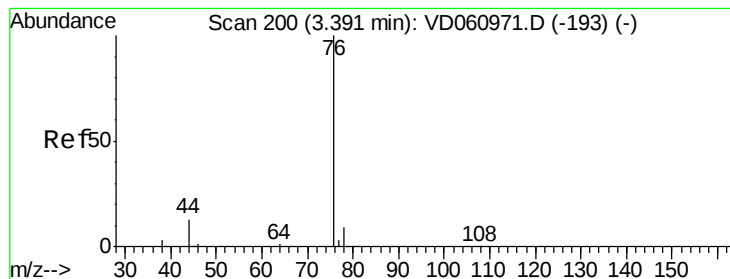
43 100

58 26.5 21.6 32.4



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





#17

Carbon Disulfide

Concen: 44.942 ug/l

RT: 3.39 min Scan# 200

Delta R.T. -0.00 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

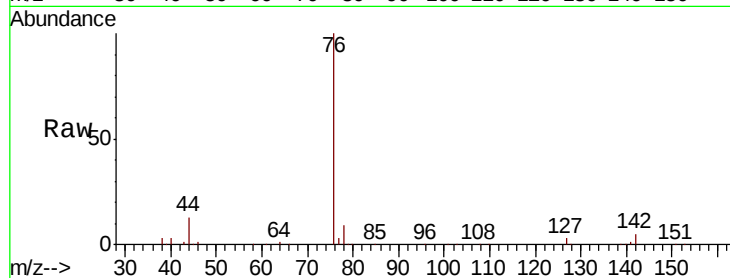
VSTDCCC050

Tot Ion: 76 Resp: 1020518

Ion Ratio Lower Upper

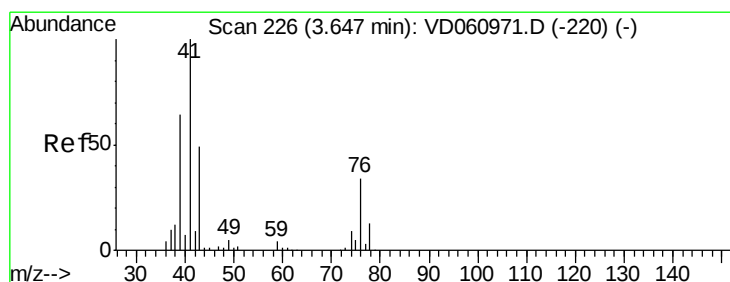
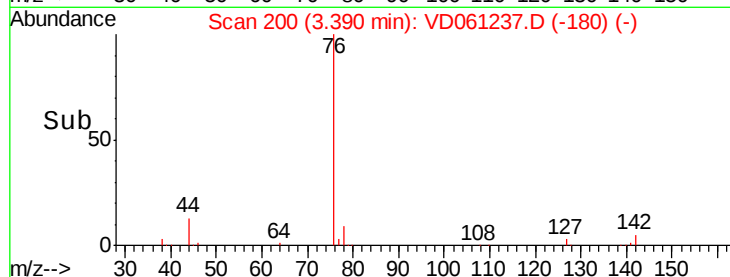
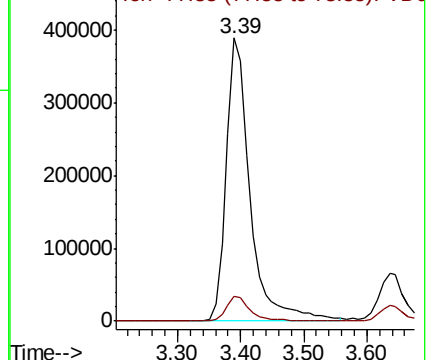
76 100

78 8.7 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: 57.375 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD061237.D

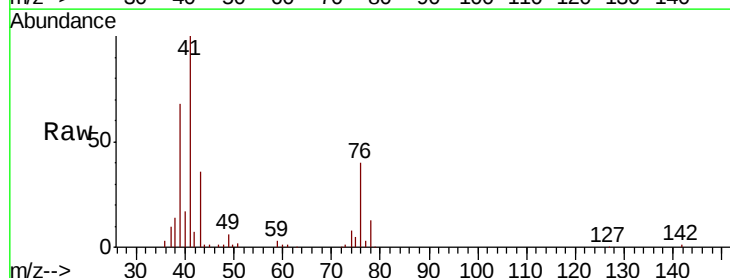
Acq: 21 Mar 2019 11:20

Tgt Ion: 43 Resp: 180237

Ion Ratio Lower Upper

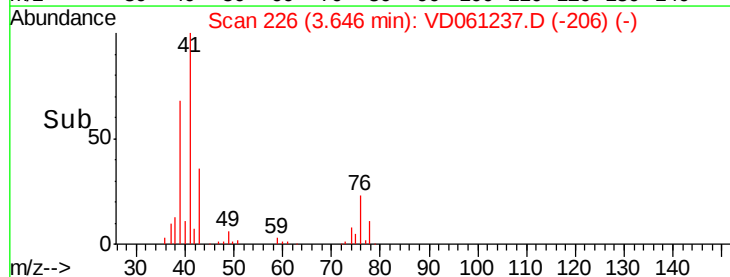
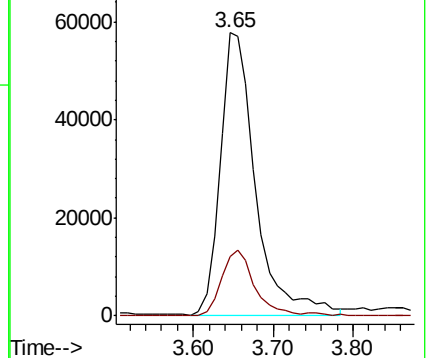
43 100

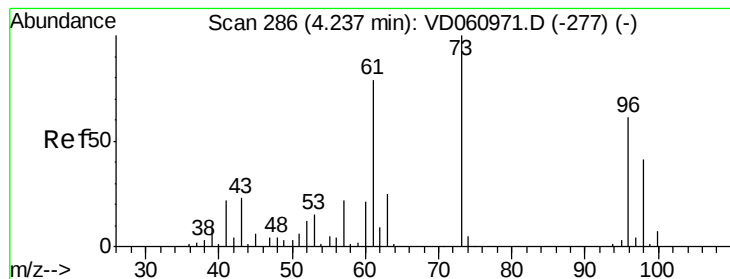
74 20.8 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



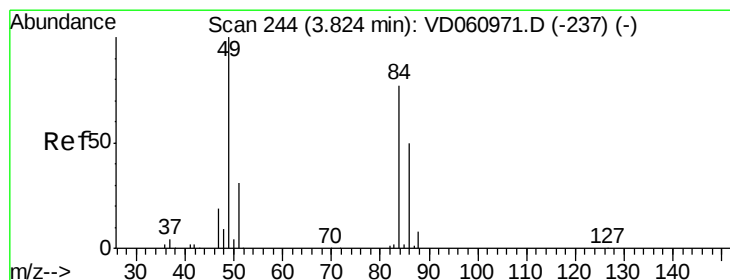
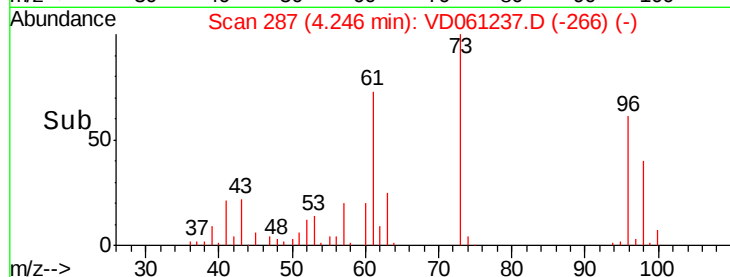
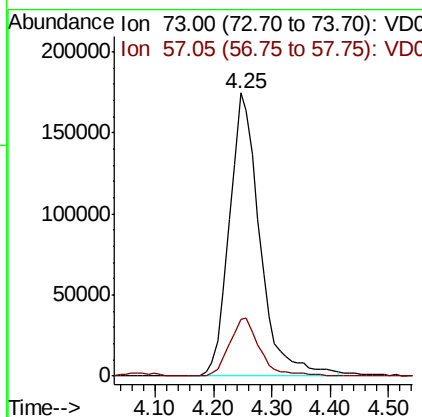
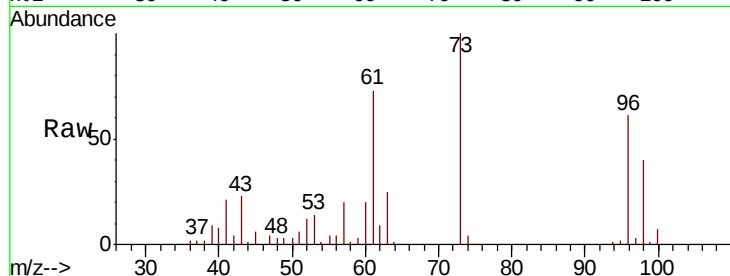


#19

Methyl tert-butyl Ether
 Concen: 54.028 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

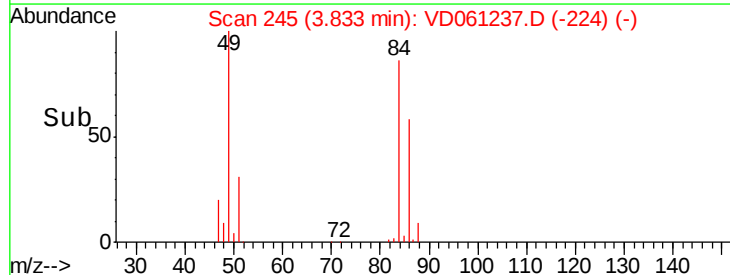
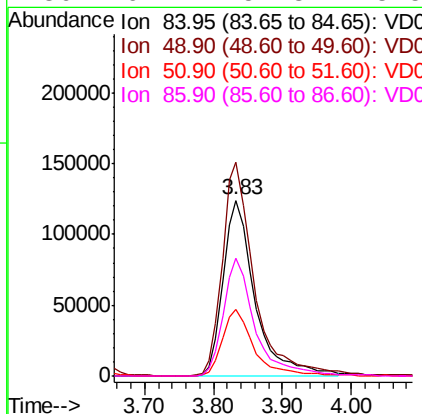
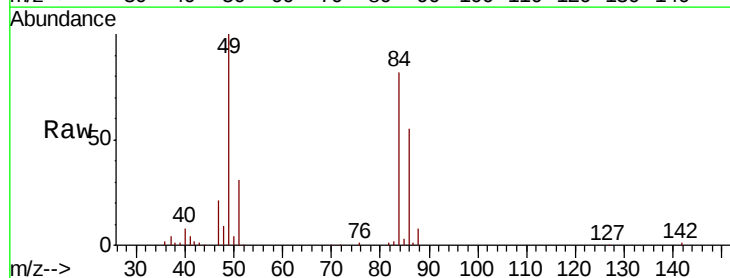
Tot Ion: 73 Resp: 637370
 Ion Ratio Lower Upper
 73 100
 57 20.0 17.7 26.5

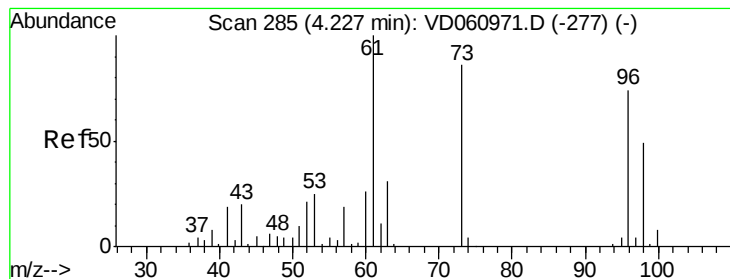


#20

Methylene Chloride
 Concen: 55.194 ug/l
 RT: 3.83 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Tgt Ion: 84 Resp: 398183
 Ion Ratio Lower Upper
 84 100
 49 121.7 104.2 156.2
 51 37.7 32.3 48.5
 86 67.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 50.674 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

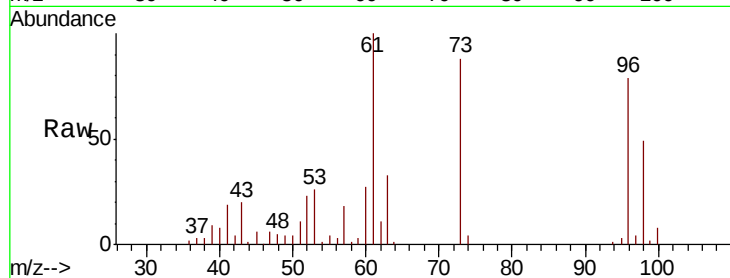
Tot Ion: 96 Resp: 369206

Ion Ratio Lower Upper

96 100

61 126.7 108.4 162.6

98 62.4 53.0 79.4



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

200000

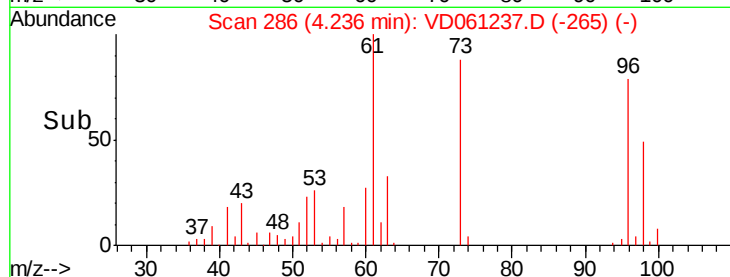
150000

100000

50000

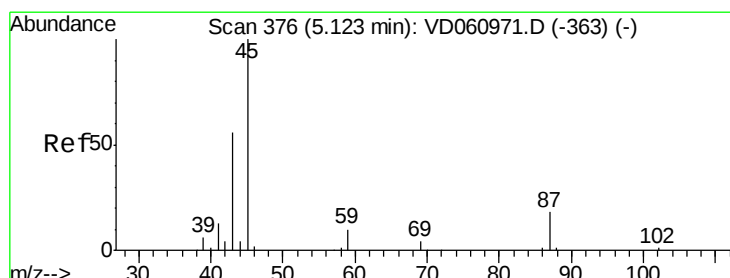
0

Time-->



4.24

4.10 4.20 4.30 4.40



#22

Diisopropyl ether

Concen: 48.292 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Tgt Ion: 45 Resp: 1079736

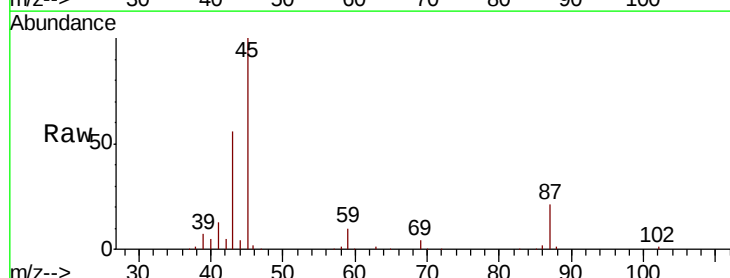
Ion Ratio Lower Upper

45 100

43 56.3 45.8 68.8

87 20.9 14.9 22.3

59 9.9 8.0 12.0



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

1000000

800000

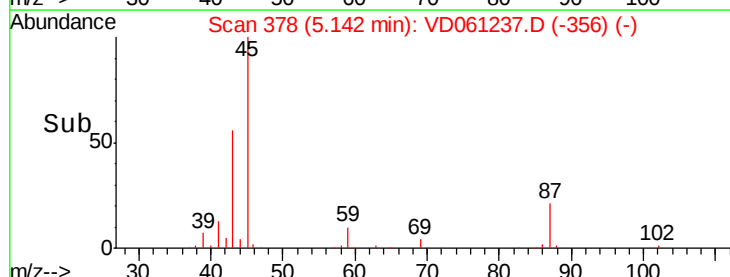
600000

400000

200000

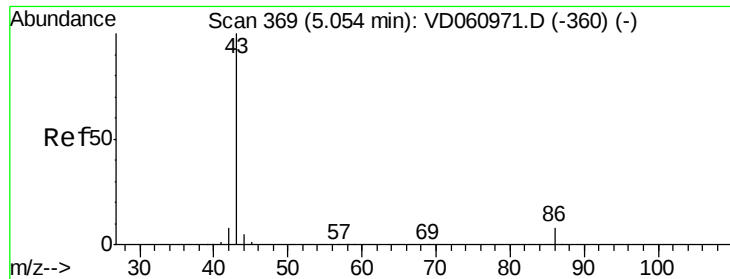
0

Time-->



5.14

5.00 5.20



#23

Vinyl Acetate

Concen: 249.653 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.02 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

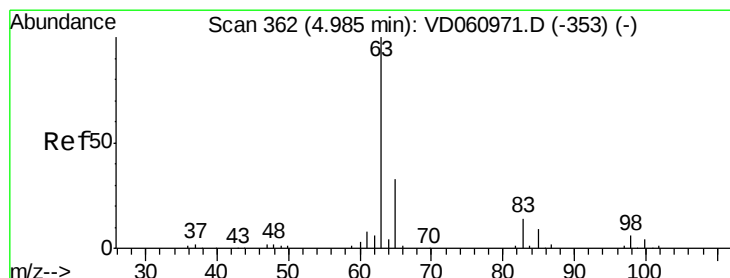
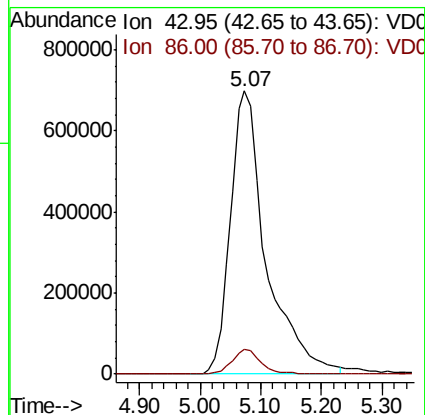
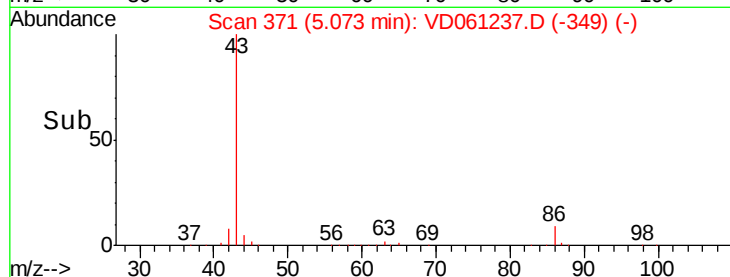
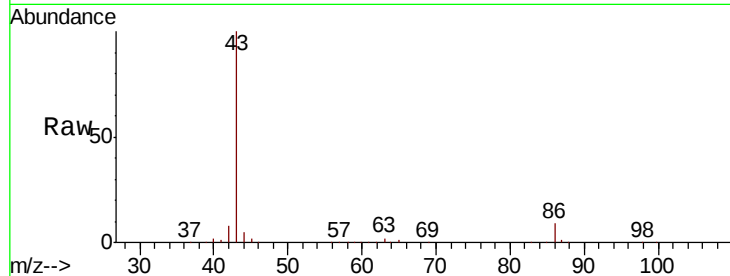
VSTDCCC050

Tot Ion: 43 Resp: 2865398

Ion Ratio Lower Upper

43 100

86 8.7 6.2 9.2



#24

1,1-Dichloroethane

Concen: 51.942 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

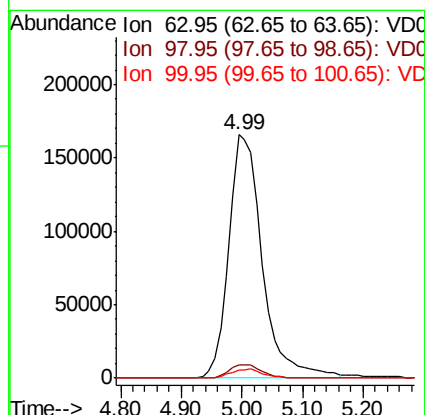
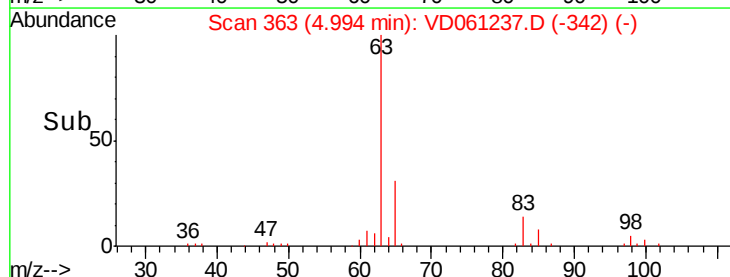
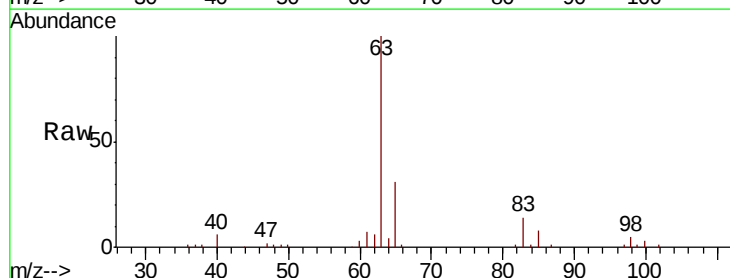
Tgt Ion: 63 Resp: 636302

Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.2

100 3.2 2.0 5.8





#25

2-Butanone

Concen: 271.688 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

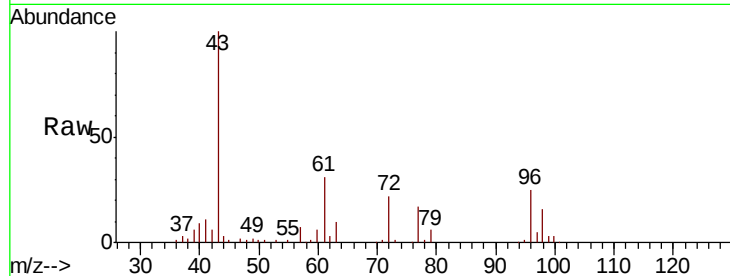
VSTDCCC050

Tot Ion: 43 Resp: 492103

Ion Ratio Lower Upper

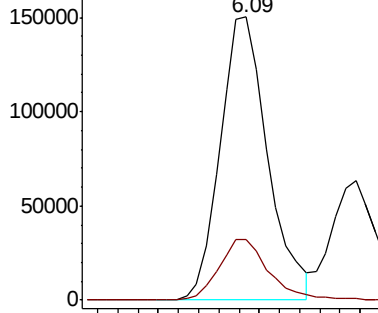
43 100

72 21.6 16.7 25.1

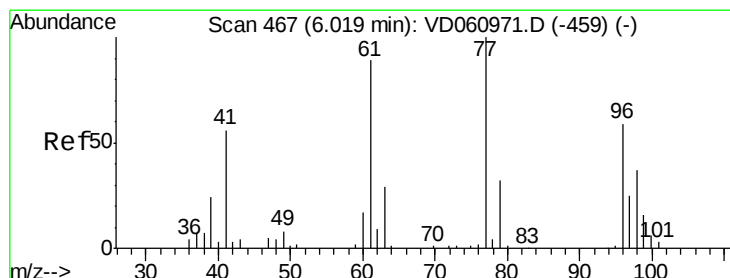
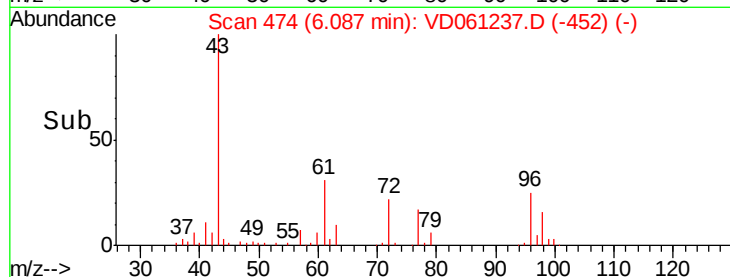


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 56.636 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD061237.D

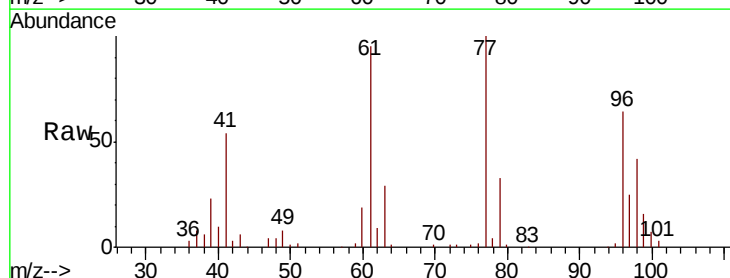
Acq: 21 Mar 2019 11:20

Tgt Ion: 77 Resp: 541618

Ion Ratio Lower Upper

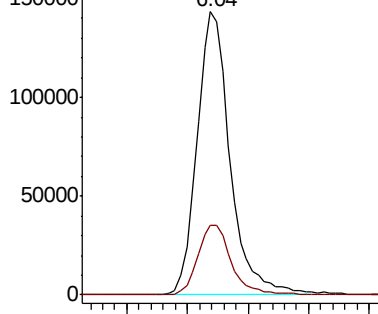
77 100

97 24.8 12.6 37.6

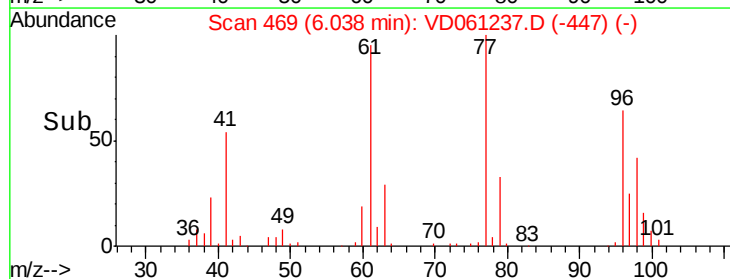


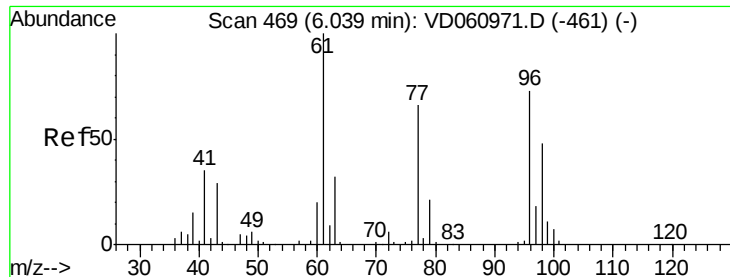
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



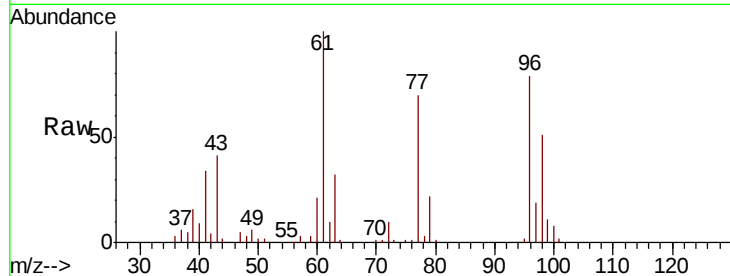


#27

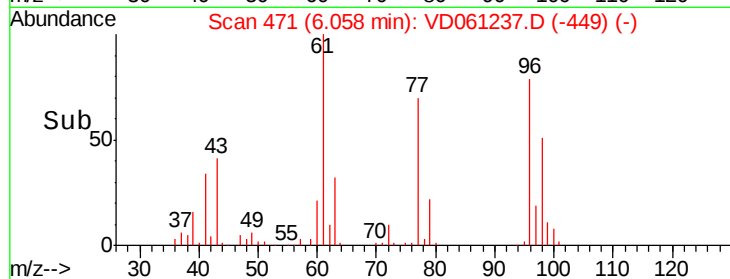
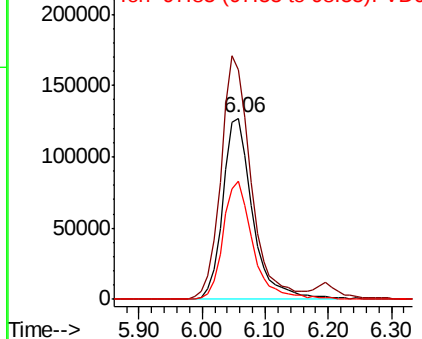
cis-1,2-Dichloroethene
 Concen: 53.950 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.02 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 417053
 Ion Ratio Lower Upper
 96 100
 61 127.0 0.0 273.6
 98 65.4 0.0 132.6



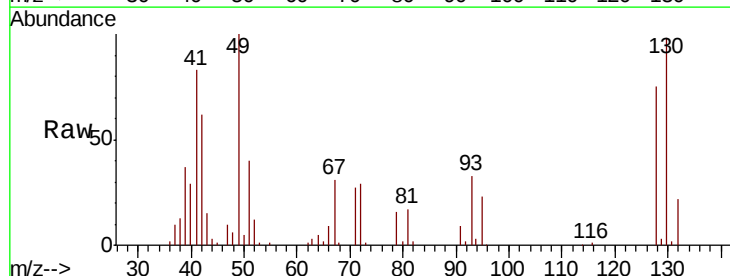
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



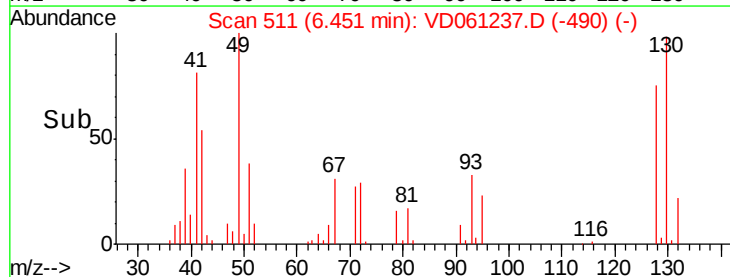
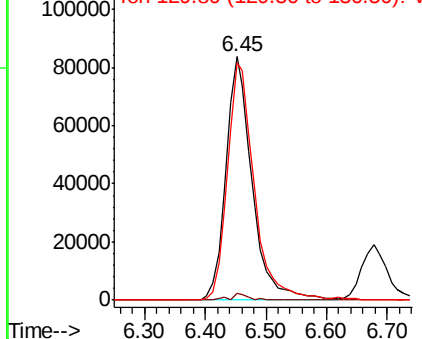
#28

Bromochloromethane
 Concen: 48.427 ug/l
 RT: 6.45 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Tgt Ion: 49 Resp: 251144
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 4.0
 130 97.6 73.8 110.8



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





#29

Tetrahydrofuran

Concen: 239.985 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

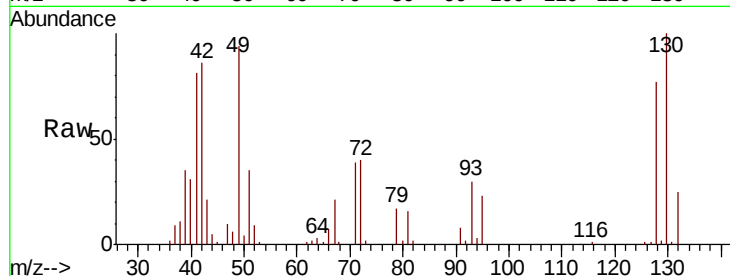
Tot Ion: 42 Resp: 236031

Ion Ratio Lower Upper

42 100

72 47.1 34.5 51.7

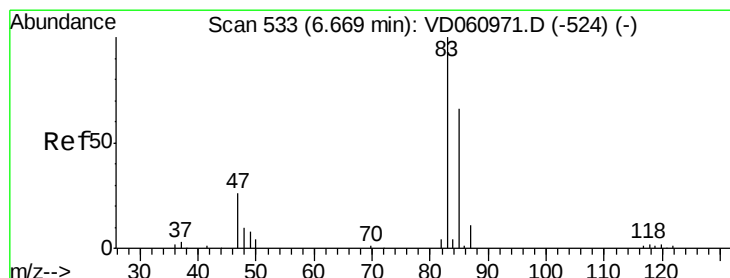
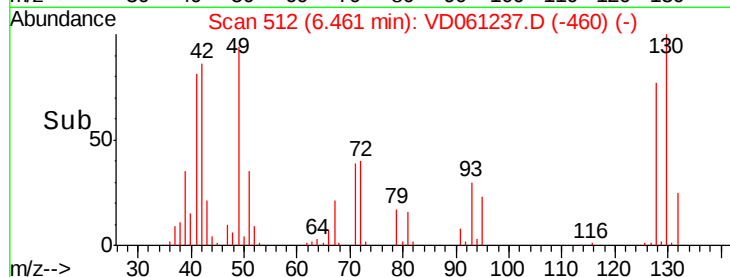
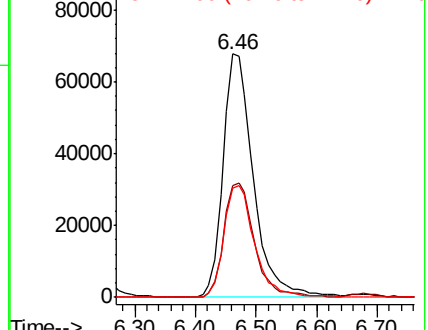
71 46.3 33.8 50.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 52.940 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD061237.D

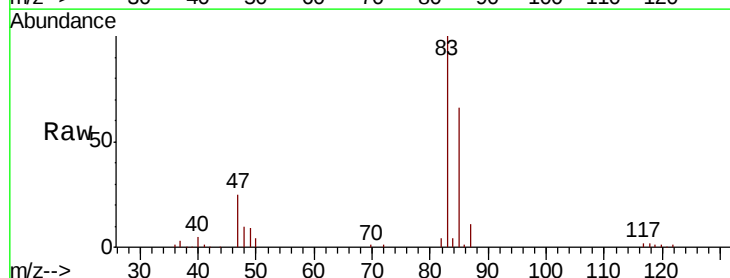
Acq: 21 Mar 2019 11:20

Tgt Ion: 83 Resp: 672134

Ion Ratio Lower Upper

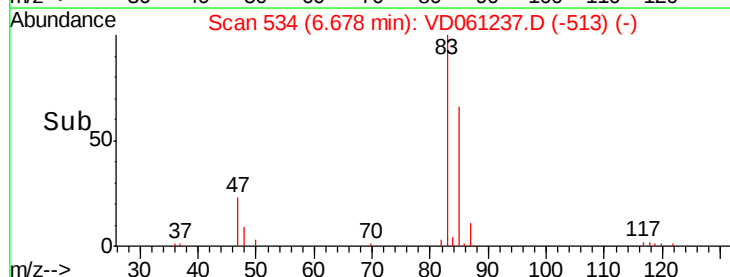
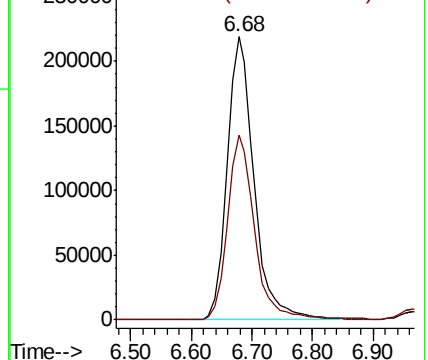
83 100

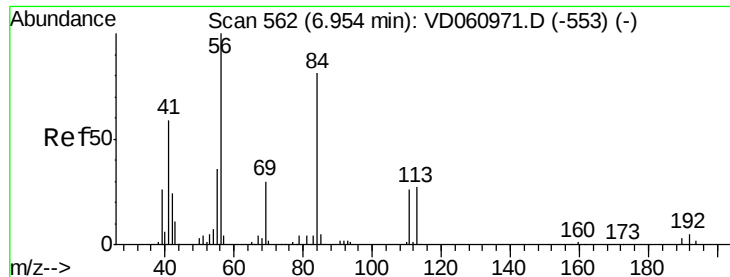
85 65.5 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

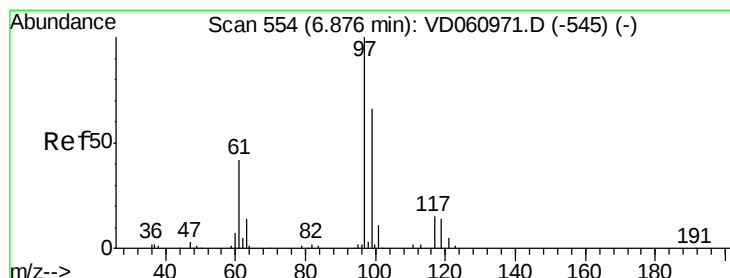
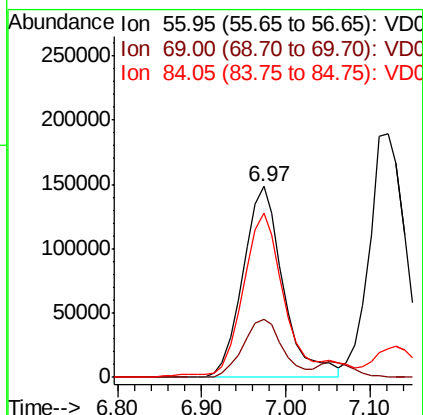
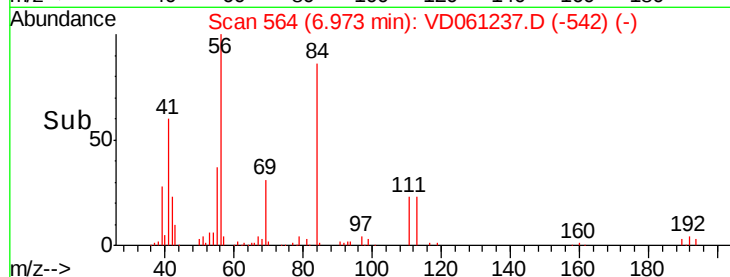
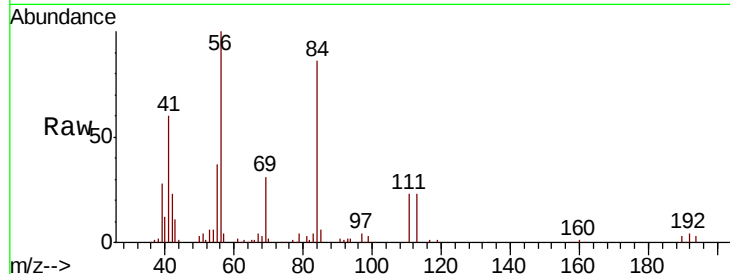




#31
Cyclohexane
Concen: 50.140 ug/l
RT: 6.97 min Scan# 564
Delta R.T. 0.02 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

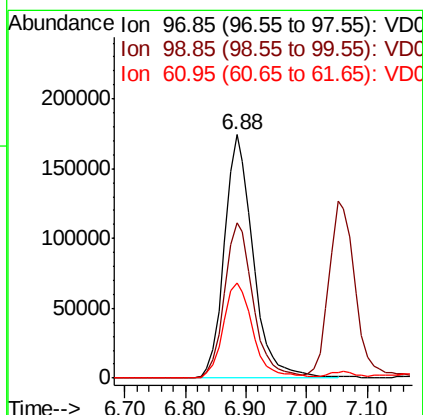
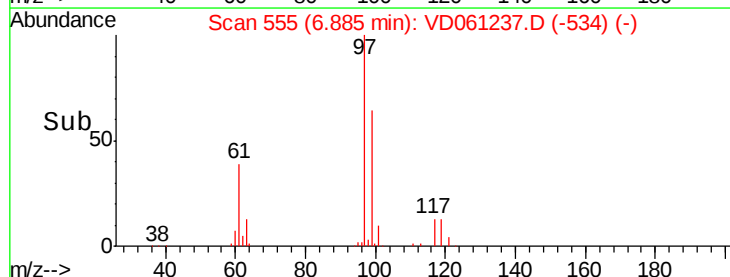
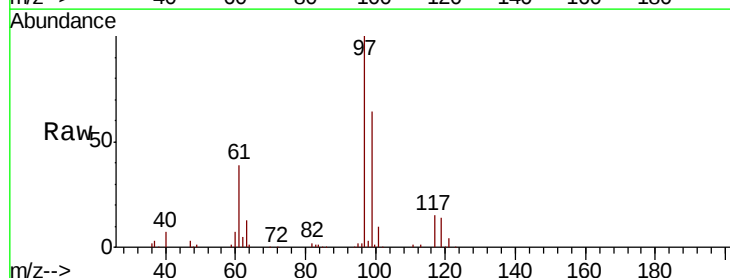
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

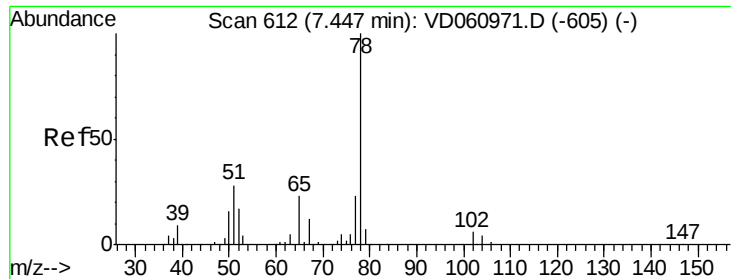
Tot Ion: 56 Resp: 495268
Ion Ratio Lower Upper
56 100
69 30.5 24.0 36.0
84 86.4 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 52.277 ug/l
RT: 6.88 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Tgt Ion: 97 Resp: 573815
Ion Ratio Lower Upper
97 100
99 63.9 53.2 79.8
61 39.1 33.8 50.8

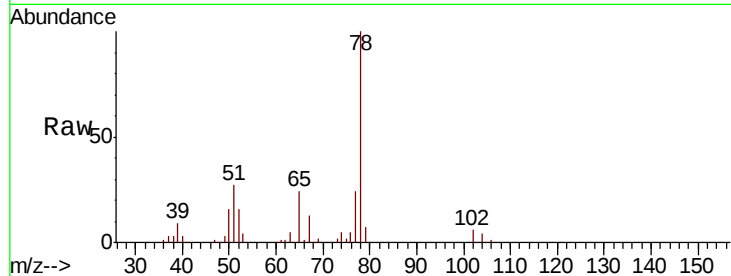




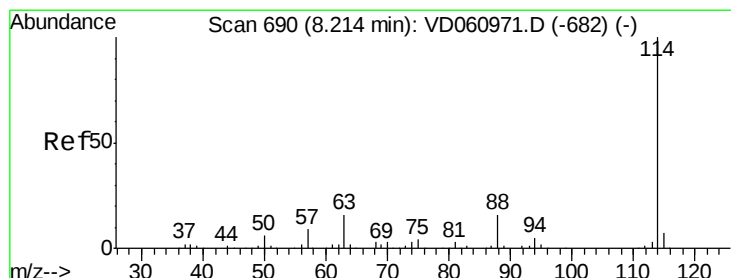
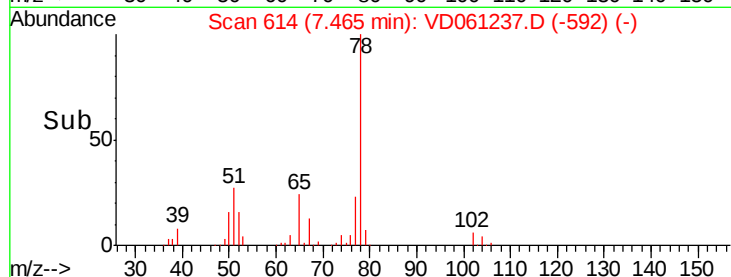
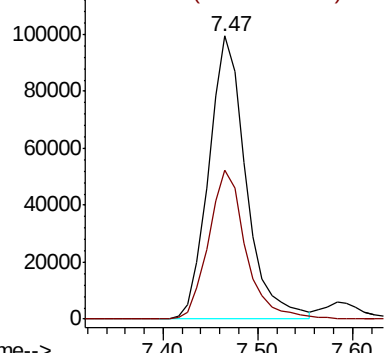
#33
 1,2-Dichloroethane-d4
 Concen: 52.277 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 271092
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.2

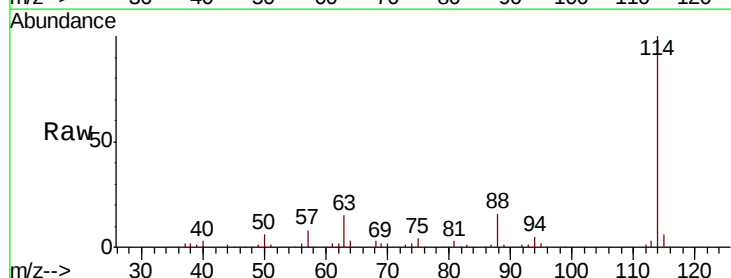


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

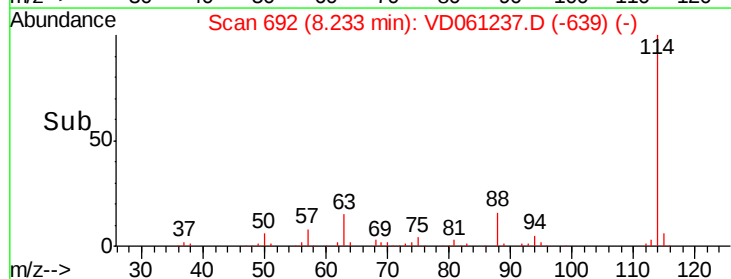
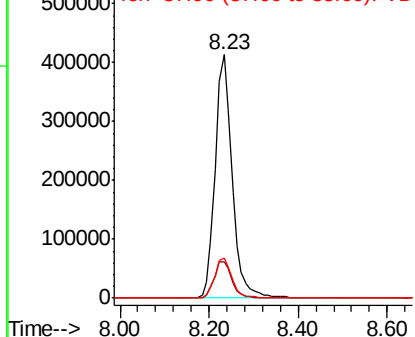


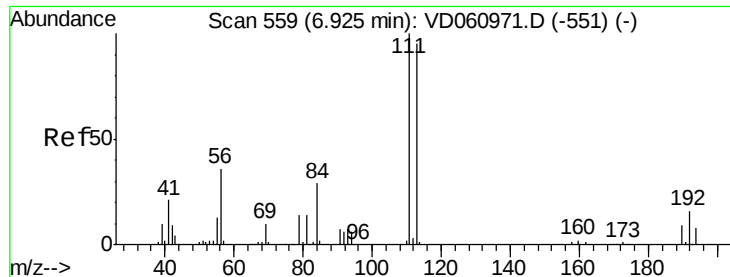
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Tgt Ion: 114 Resp: 1091528
 Ion Ratio Lower Upper
 114 100
 63 15.1 0.0 31.4
 88 16.4 0.0 33.0



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





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

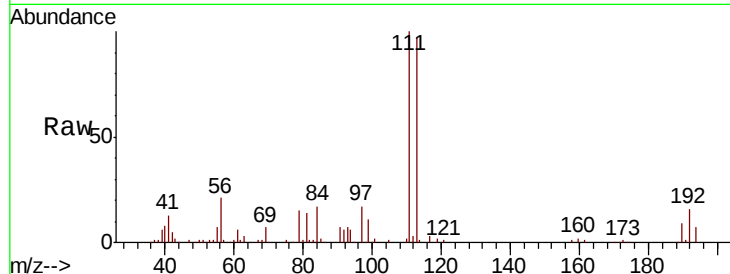
Tot Ion:113 Resp: 433344

Ion Ratio Lower Upper

113 100

111 103.0 84.2 126.4

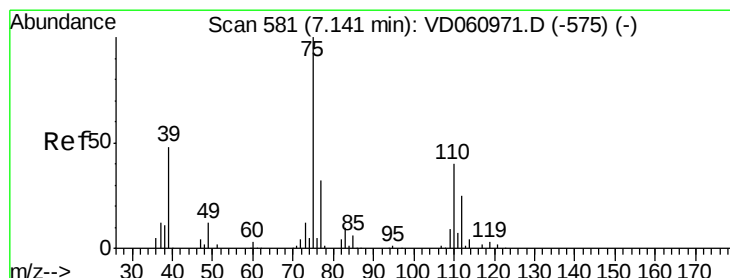
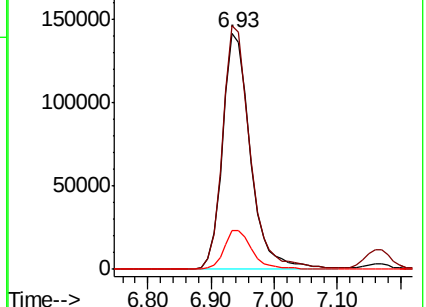
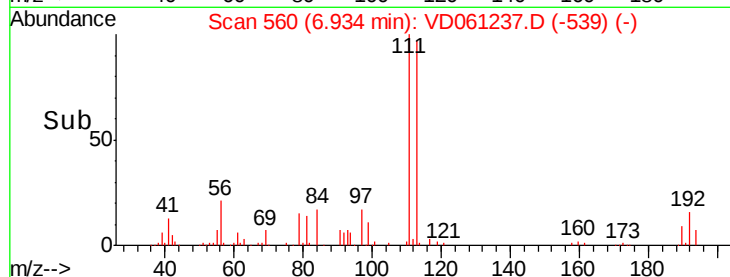
192 16.7 13.1 19.7



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: 52.896 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.02 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

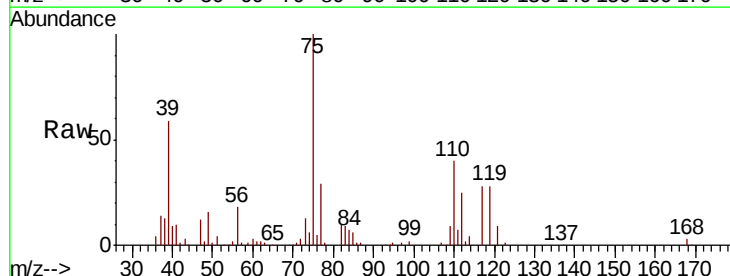
Tgt Ion: 75 Resp: 497686

Ion Ratio Lower Upper

75 100

110 39.7 19.7 59.1

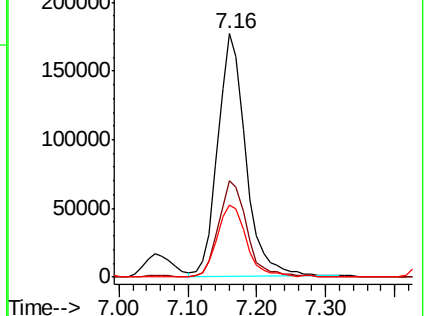
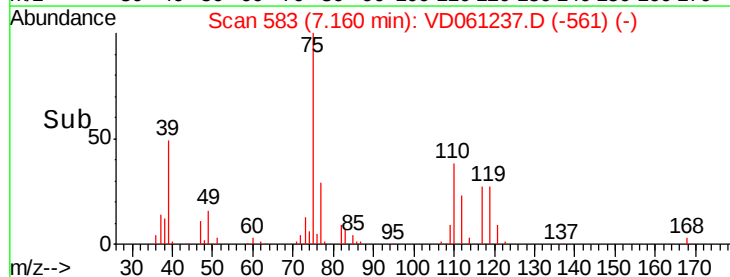
77 29.4 24.7 37.1

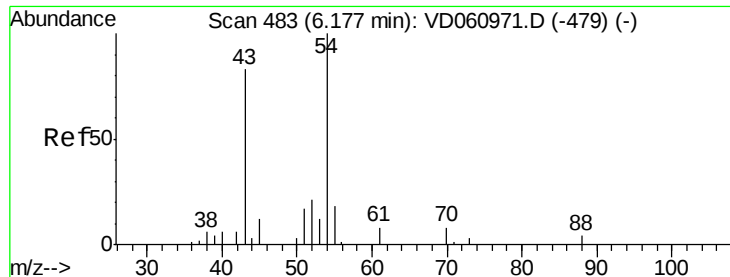


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

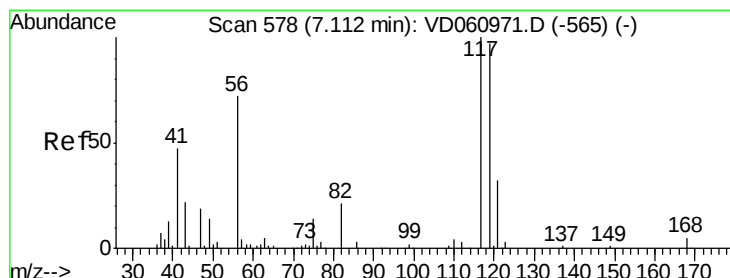
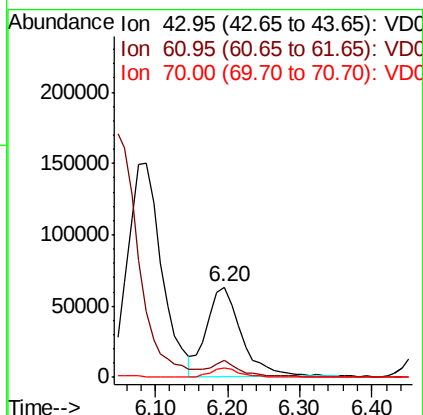
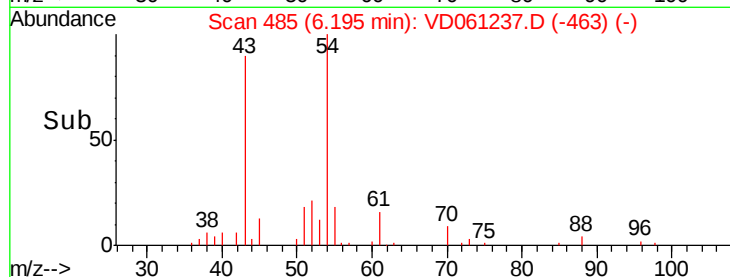
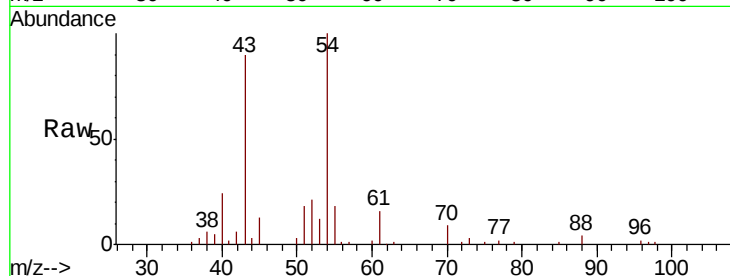




#37
Ethyl Acetate
Concen: 46.821 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.02 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

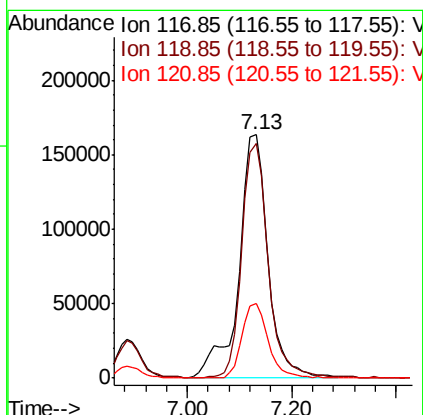
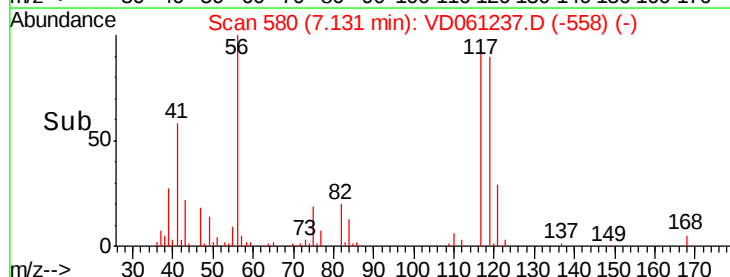
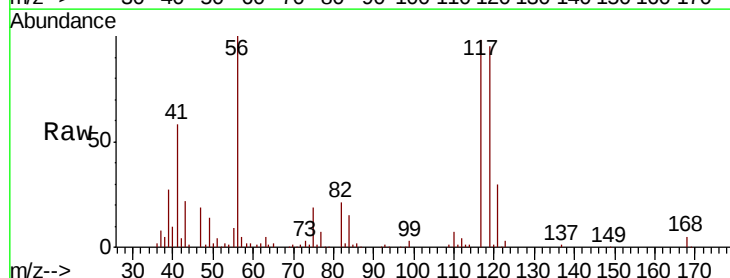
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 206726
Ion Ratio Lower Upper
43 100
61 18.2 13.7 20.5
70 10.4 7.1 10.7



#38
Carbon Tetrachloride
Concen: 59.052 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.02 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Tgt Ion: 117 Resp: 612022
Ion Ratio Lower Upper
117 100
119 96.5 77.8 116.8
121 30.9 25.3 37.9





#39

Methvlcvclohexane

Concen: 47.042 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

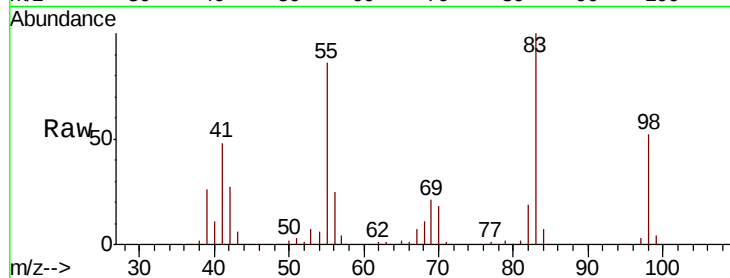
Tot Ion: 83 Resp: 458953

Ion Ratio Lower Upper

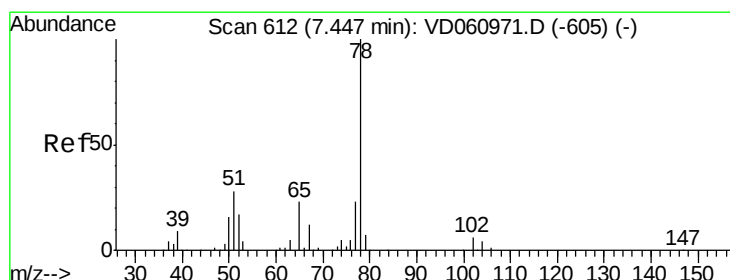
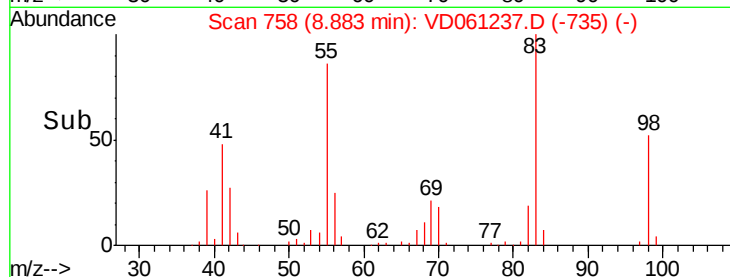
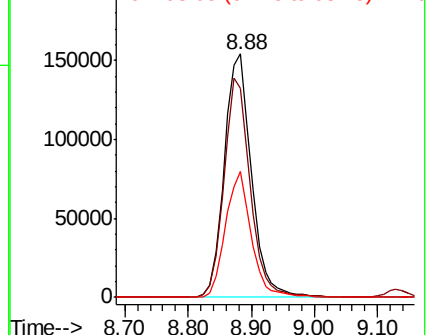
83 100

55 85.9 69.6 104.4

98 51.6 40.0 60.0



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: 51.328 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061237.D

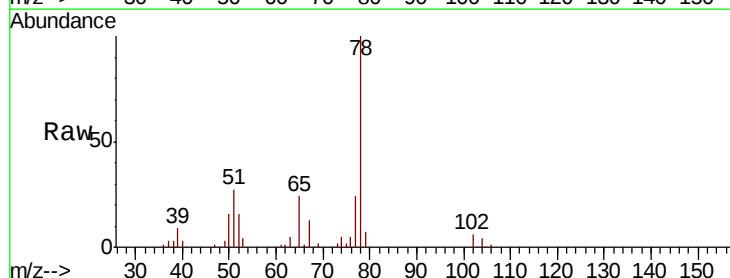
Acq: 21 Mar 2019 11:20

Tgt Ion: 78 Resp: 1206741

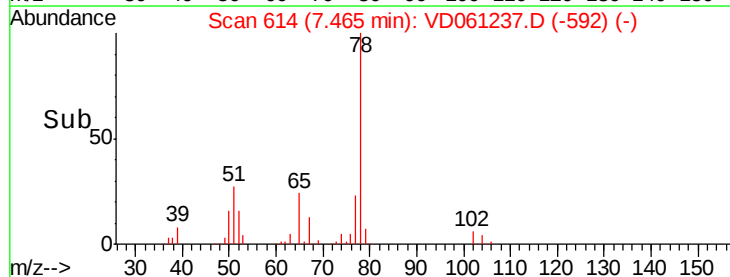
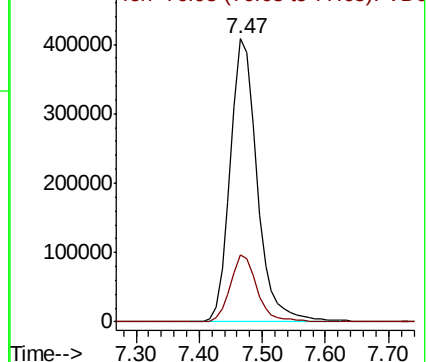
Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2



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





#41

Methacrylonitrile

Concen: 51.477 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 261426

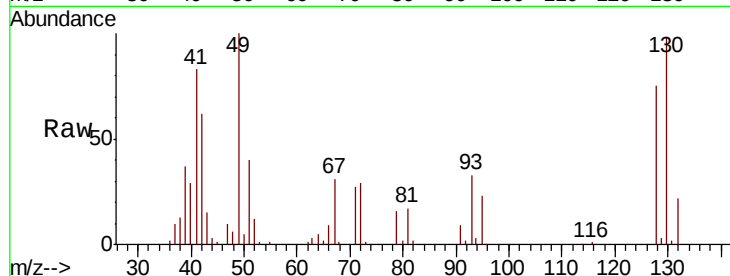
Ion Ratio Lower Upper

41 100

39 45.0 35.7 53.5

67 37.2 23.0 34.6#

52 15.0 9.2 13.8#



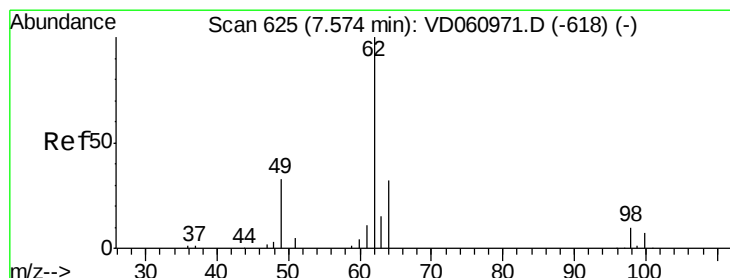
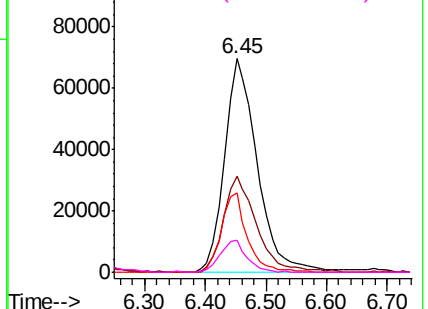
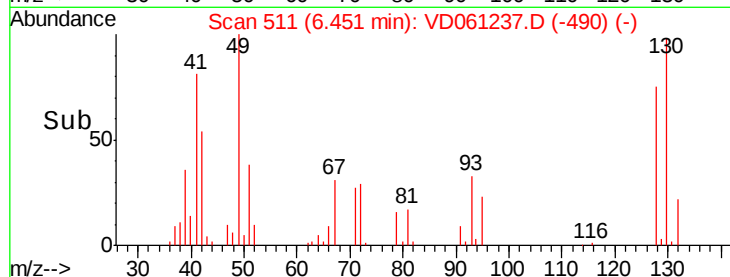
Abundance

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: 53.493 ug/l

RT: 7.58 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD061237.D

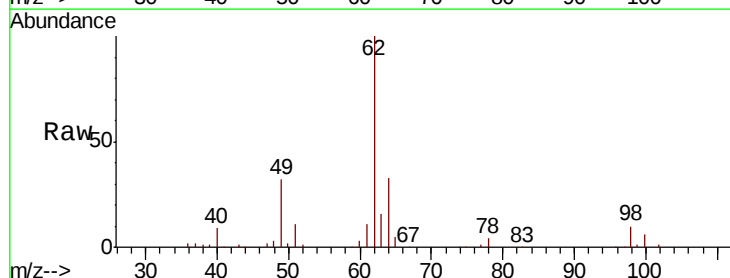
Acq: 21 Mar 2019 11:20

Tgt Ion: 62 Resp: 364959

Ion Ratio Lower Upper

62 100

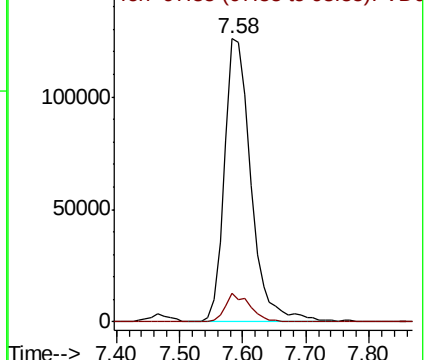
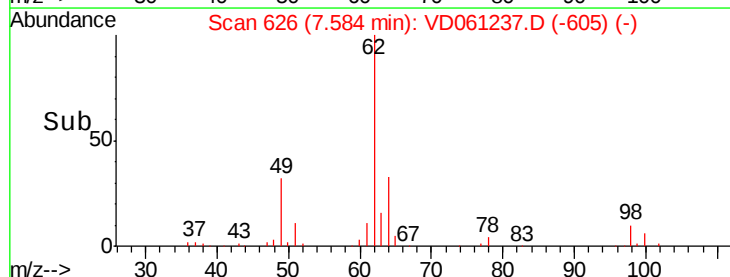
98 10.1 0.0 20.4

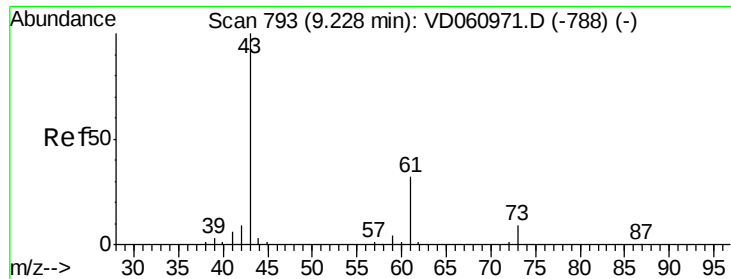


Abundance

Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



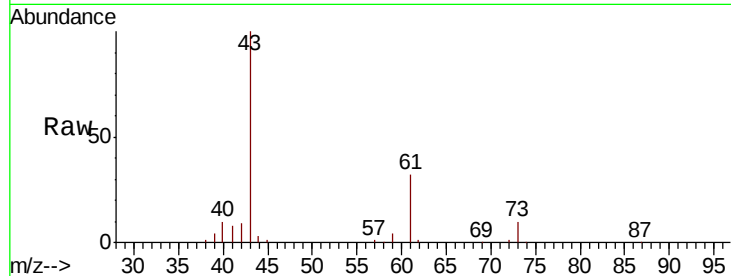


#43

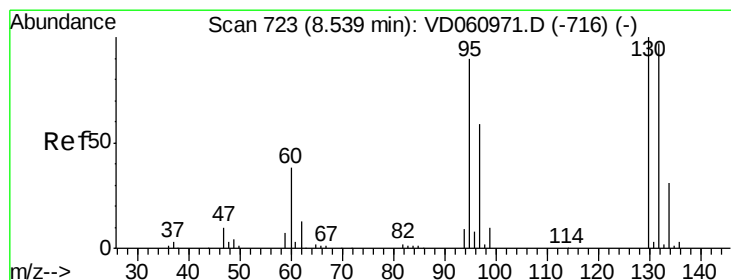
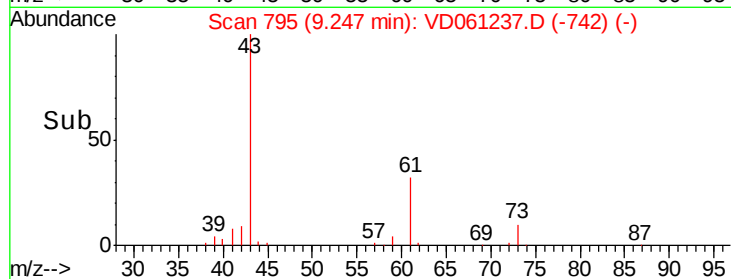
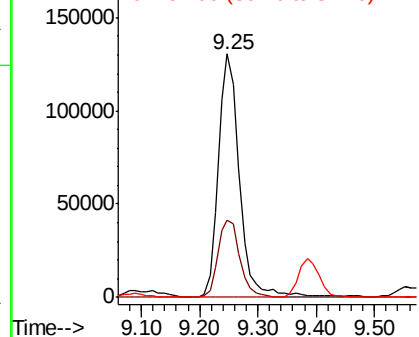
Isopropyl Acetate
 Concen: 53.767 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 328798
 Ion Ratio Lower Upper
 43 100
 61 31.8 25.6 38.4
 87 0.3 0.2 0.4



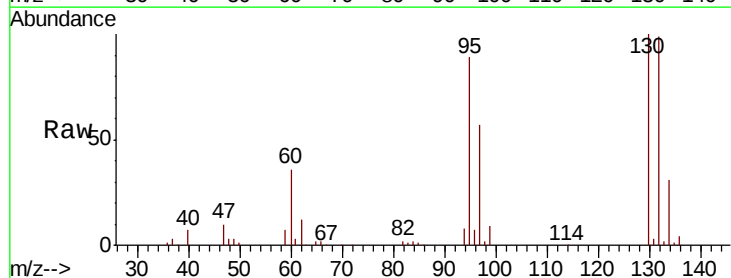
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



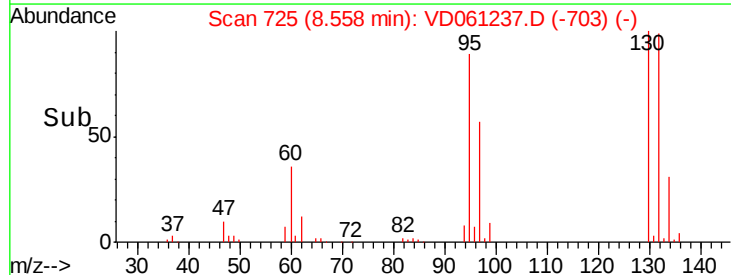
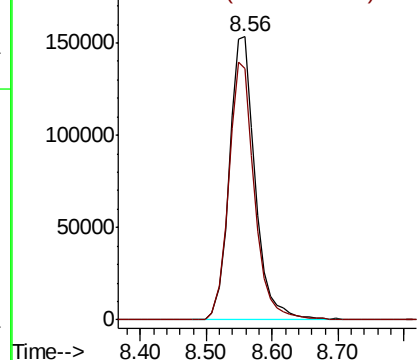
#44

Trichloroethene
 Concen: 51.966 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.02 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Tgt Ion: 130 Resp: 421494
 Ion Ratio Lower Upper
 130 100
 95 88.9 0.0 179.4



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





#45

1,2-Dichloropropane

Concen: 50.765 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.02 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

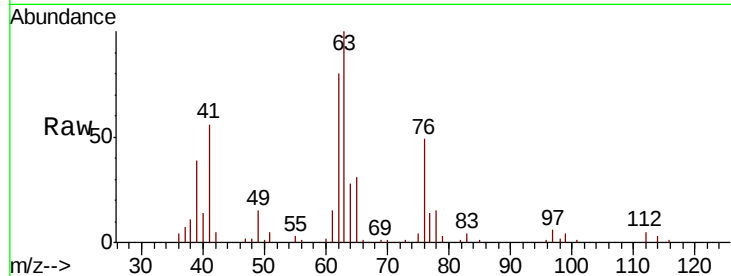
VSTDCCC050

Tot Ion: 63 Resp: 313558

Ion Ratio Lower Upper

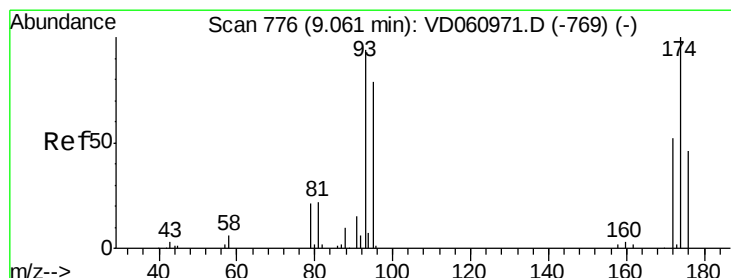
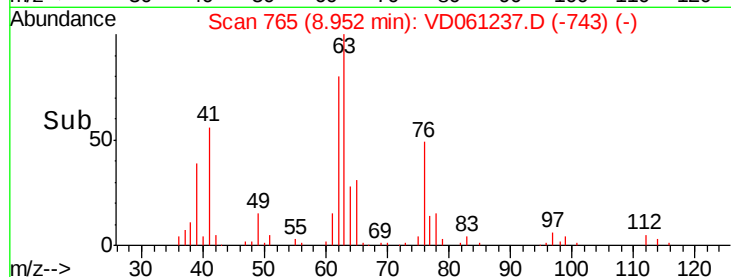
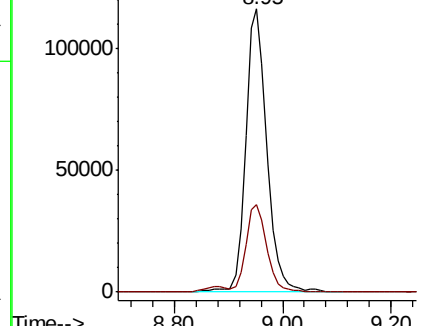
63 100

65 31.0 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 54.901 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

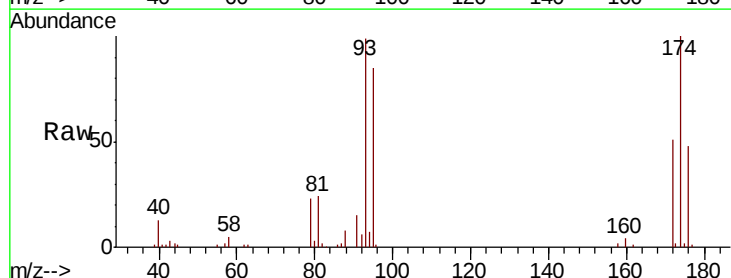
Tgt Ion: 93 Resp: 215104

Ion Ratio Lower Upper

93 100

95 85.9 67.4 101.0

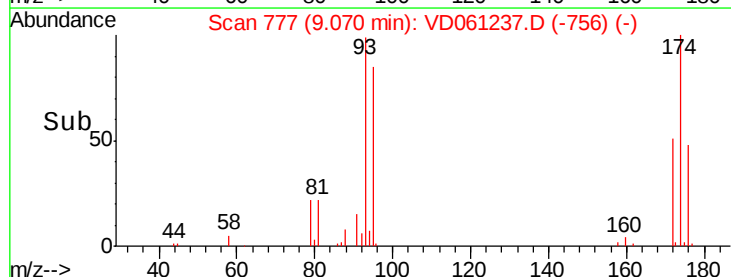
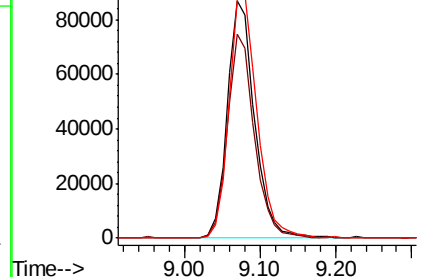
174 100.5 85.4 128.0

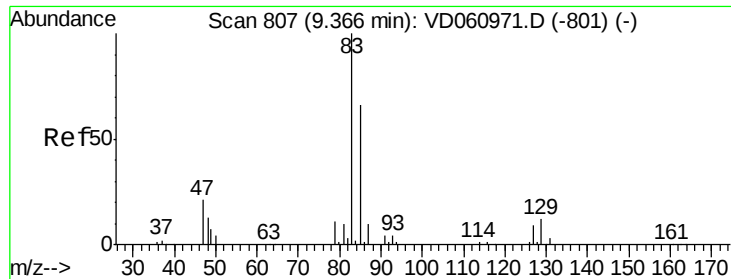


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 54.864 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

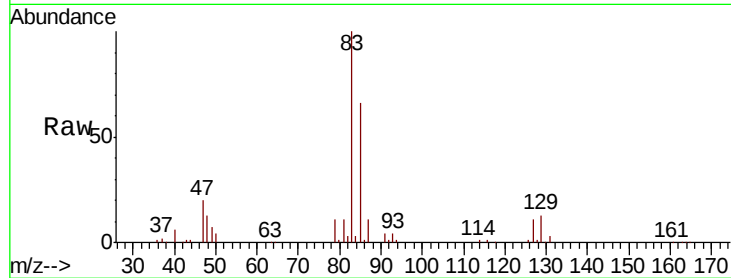
Tot Ion: 83 Resp: 485070

Ion Ratio Lower Upper

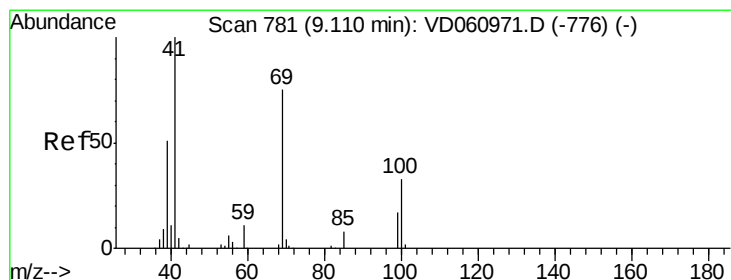
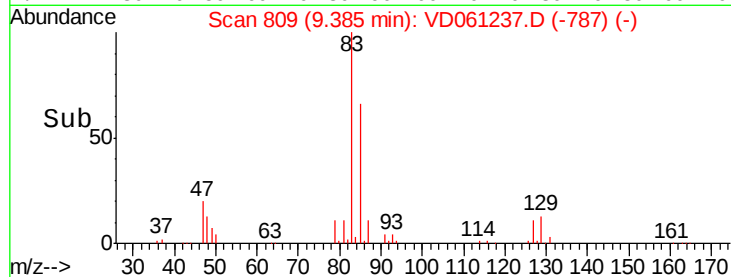
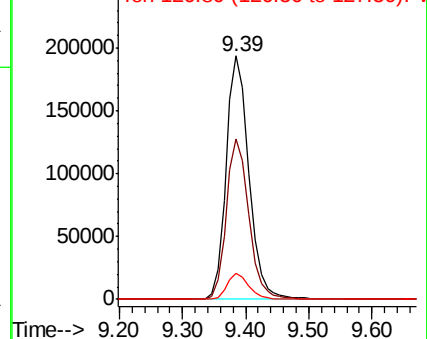
83 100

85 66.0 52.5 78.7

127 10.6 7.5 11.3



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: 51.262 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

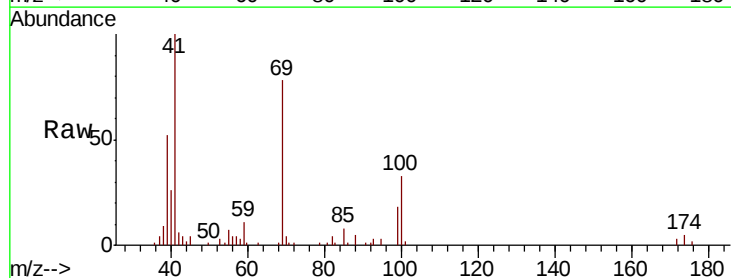
Tgt Ion: 41 Resp: 176501

Ion Ratio Lower Upper

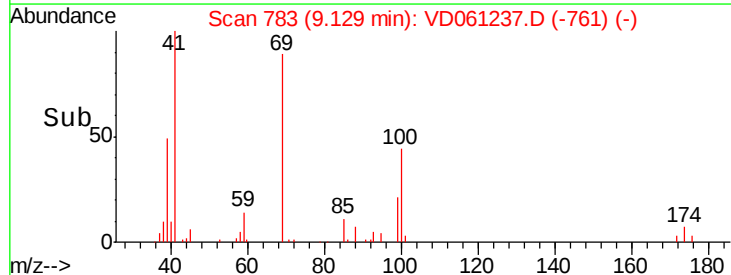
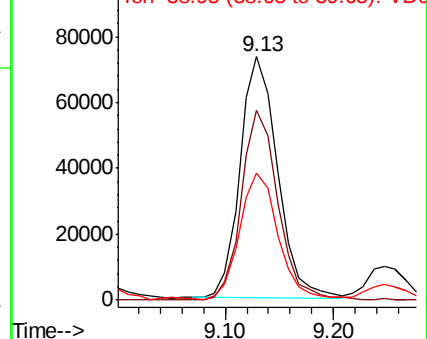
41 100

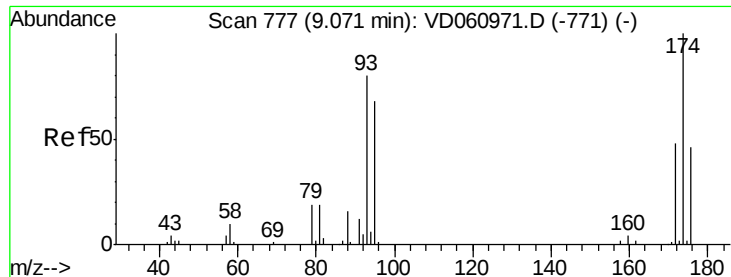
69 77.9 59.9 89.9

39 52.3 40.9 61.3



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

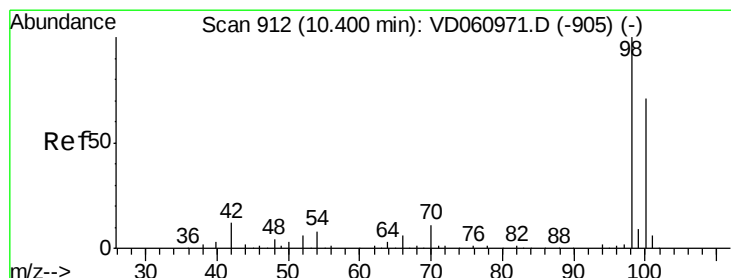
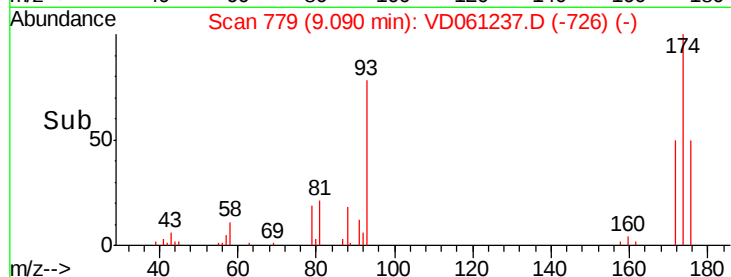
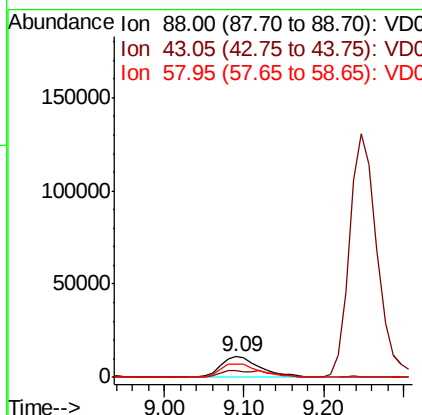
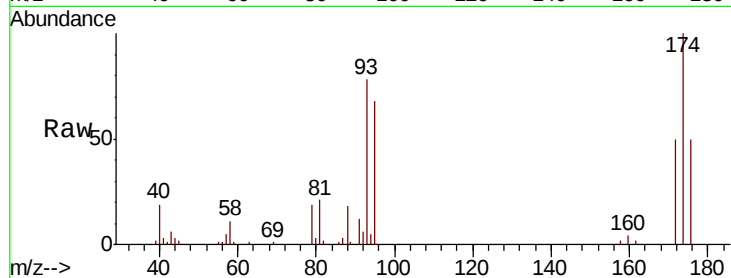




#49
 1,4-Dioxane
 Concen: 1131.233 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. 0.02 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

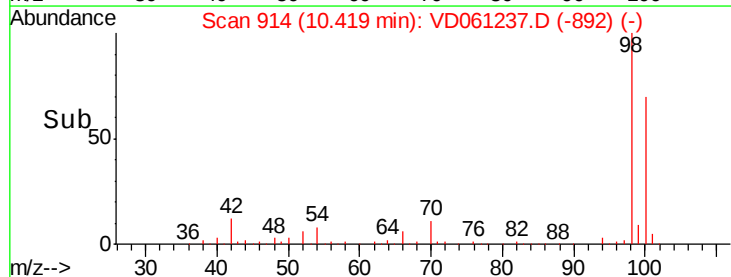
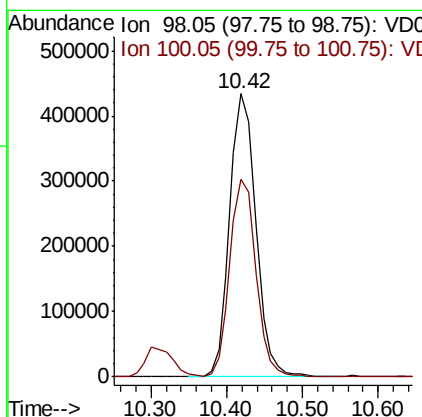
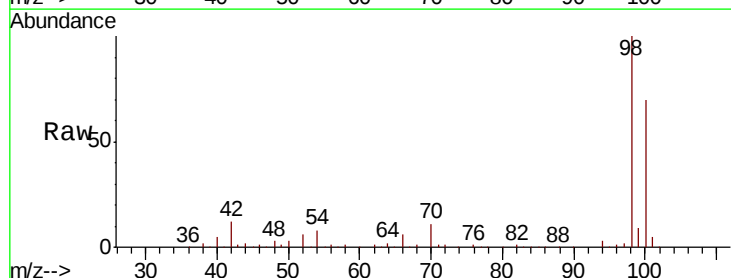
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

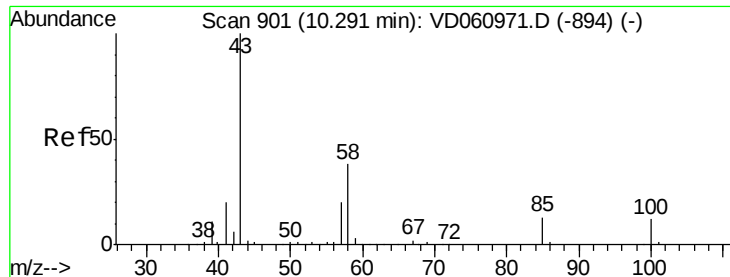
Tot Ion: 88 Resp: 39385
 Ion Ratio Lower Upper
 88 100
 43 33.6 21.0 31.6#
 58 61.8 48.6 72.8



#50
 Toluene-d8
 Concen: 1131.233 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Tgt Ion: 98 Resp: 1042922
 Ion Ratio Lower Upper
 98 100
 100 69.9 57.4 86.2





#51

4-Methyl-2-Pentanone

Concen: 249.735 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

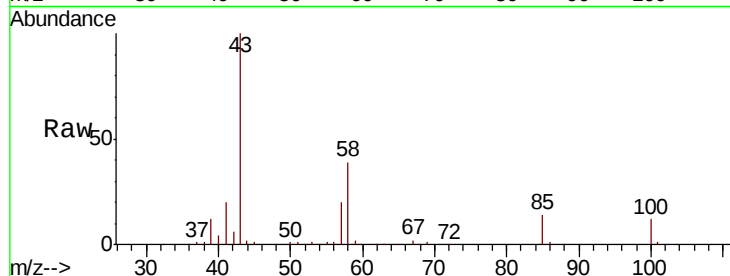
VSTDCCC050

Tot Ion: 43 Resp: 935599

Ion Ratio Lower Upper

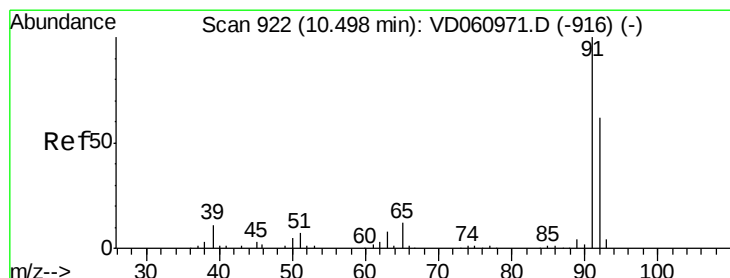
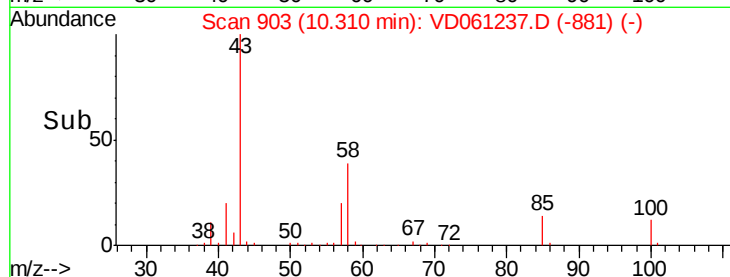
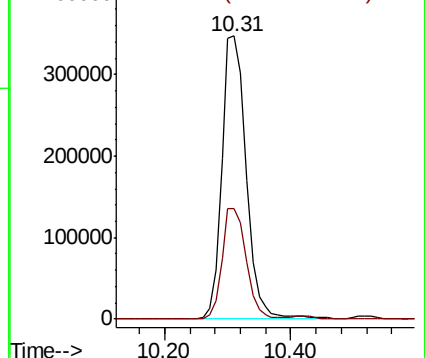
43 100

58 39.0 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.600 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD061237.D

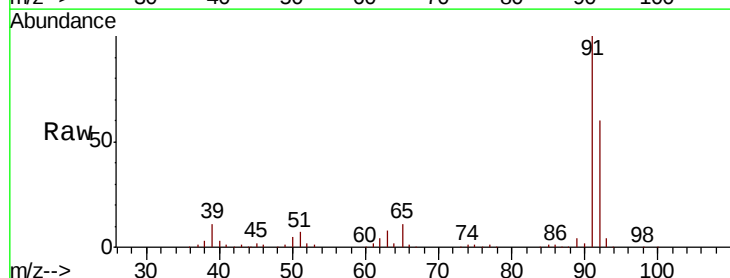
Acq: 21 Mar 2019 11:20

Tgt Ion: 92 Resp: 725126

Ion Ratio Lower Upper

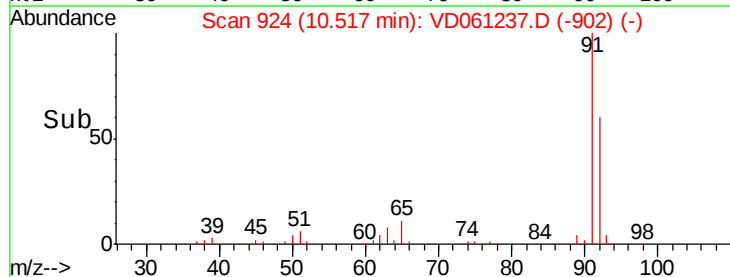
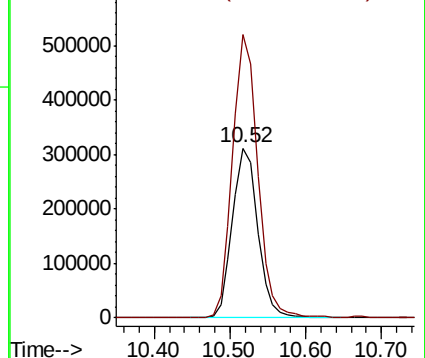
92 100

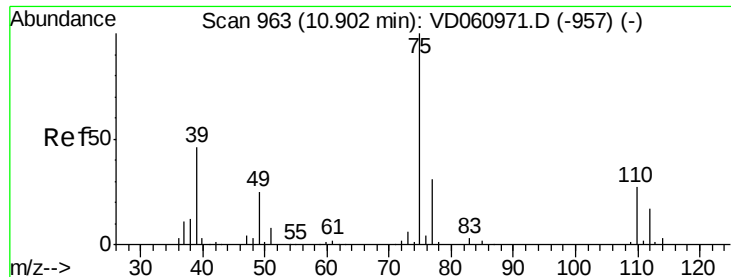
91 166.5 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

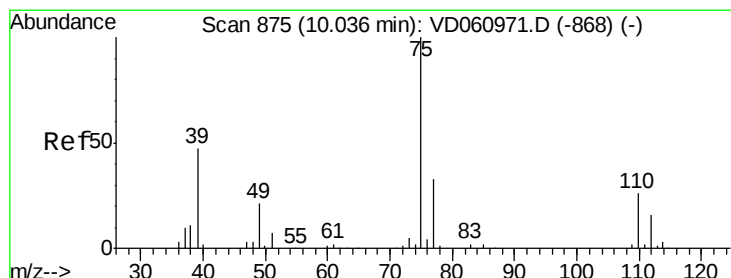
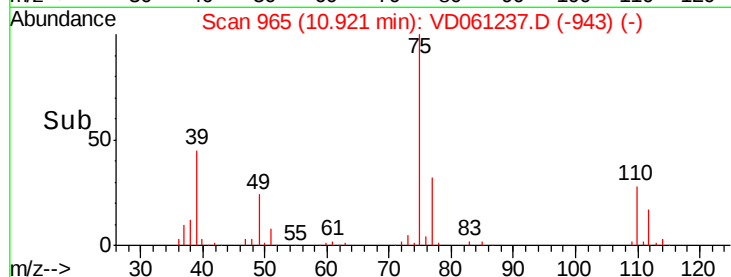
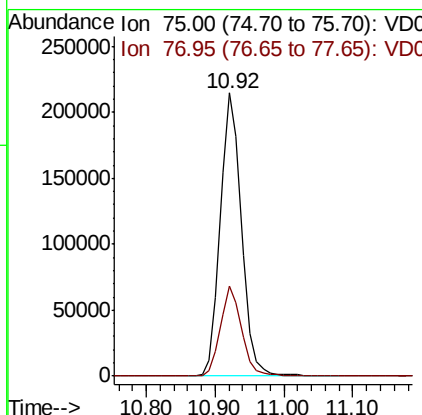
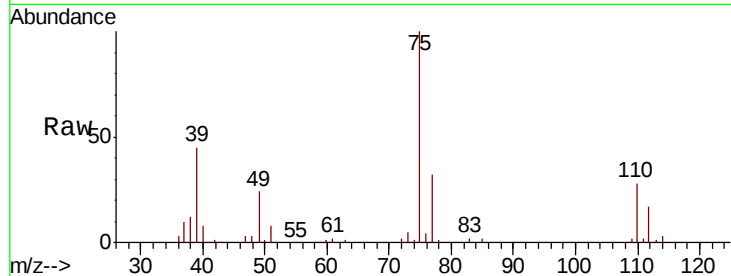




#53
 t-1,3-Dichloropropene
 Concen: 56.619 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

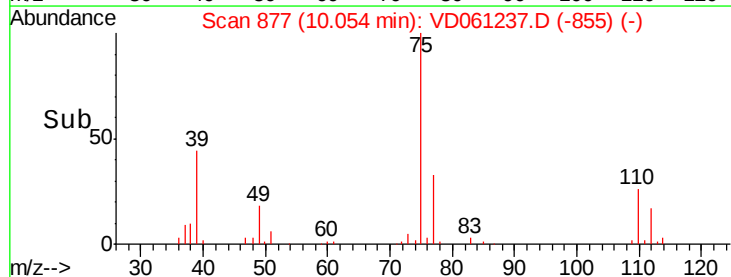
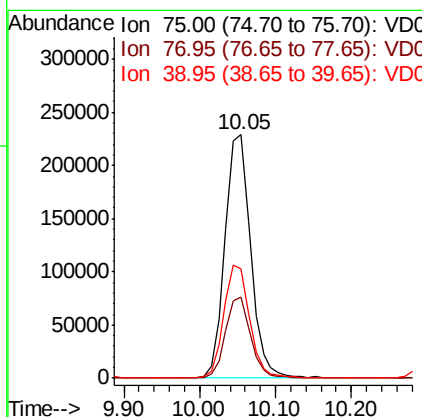
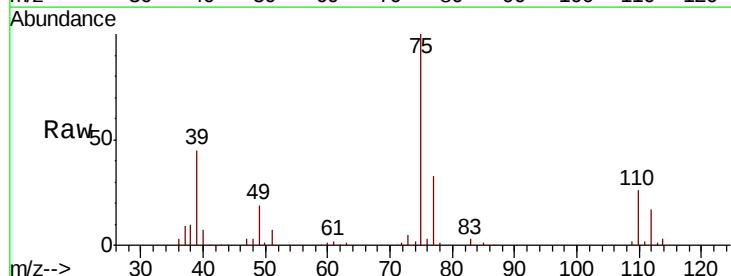
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 457736
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 55.517 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.02 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Tgt Ion: 75 Resp: 539272
 Ion Ratio Lower Upper
 75 100
 77 33.3 26.2 39.4
 39 44.7 37.8 56.8

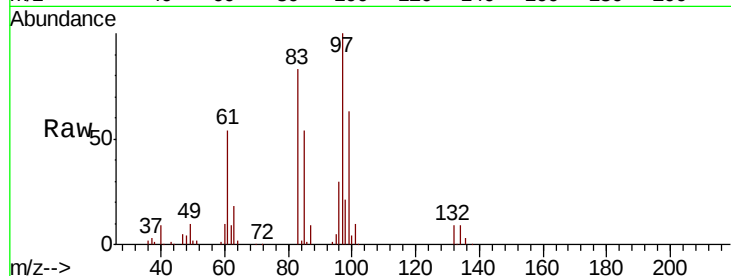




#55
 1,1,2-Trichloroethane
 Concen: 54.803 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.5	66.6	100.0
85	54.1	46.4	69.6
99	63.1	52.4	78.6



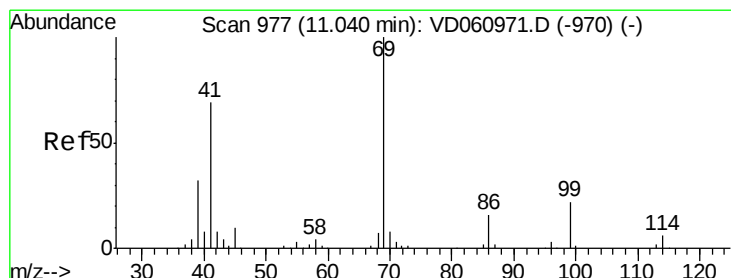
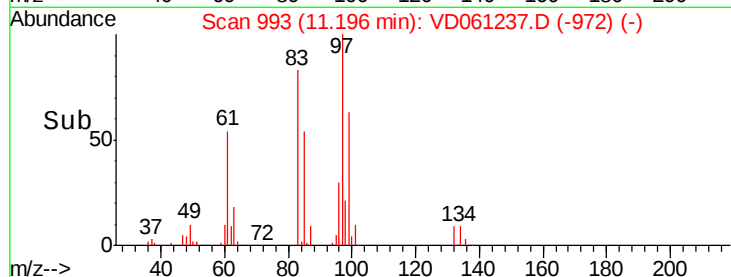
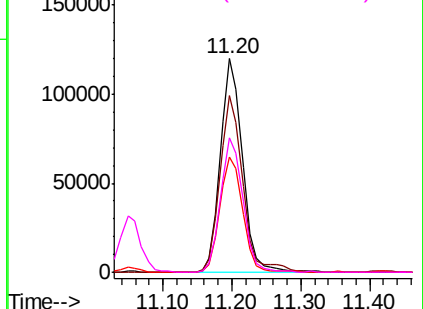
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

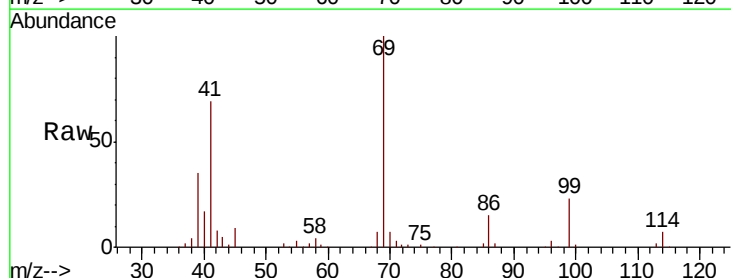
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56
 Ethyl methacrylate
 Concen: 56.180 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.5	83.3
39	34.9	26.2	39.2

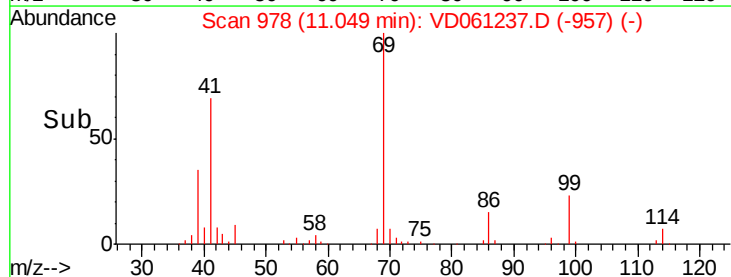
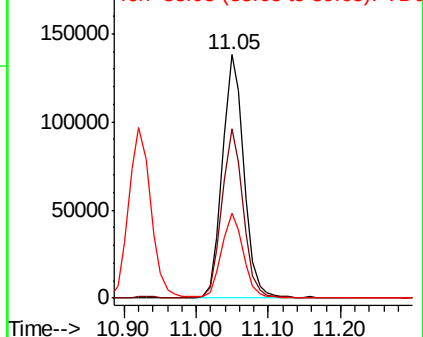


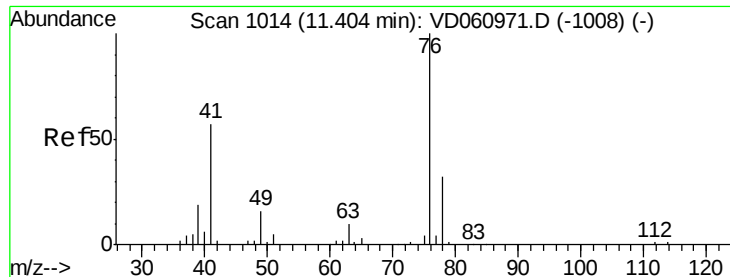
Abundance

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: 53.616 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

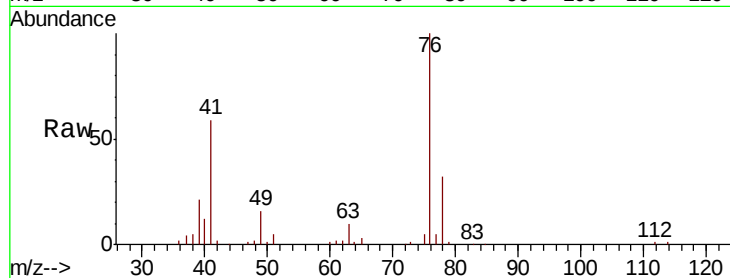
VSTDCCC050

Tot Ion: 76 Resp: 390087

Ion Ratio Lower Upper

76 100

78 31.6 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

200000

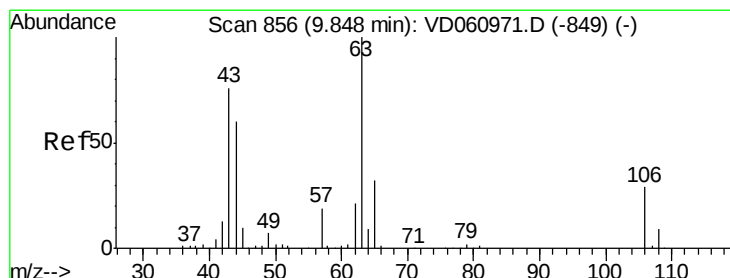
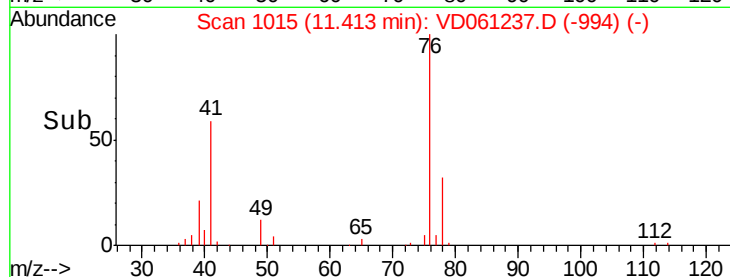
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 227.671 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD061237.D

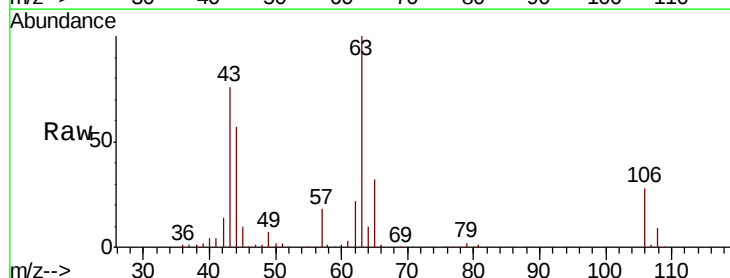
Acq: 21 Mar 2019 11:20

Tgt Ion: 63 Resp: 614133

Ion Ratio Lower Upper

63 100

106 27.9 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

300000

250000

200000

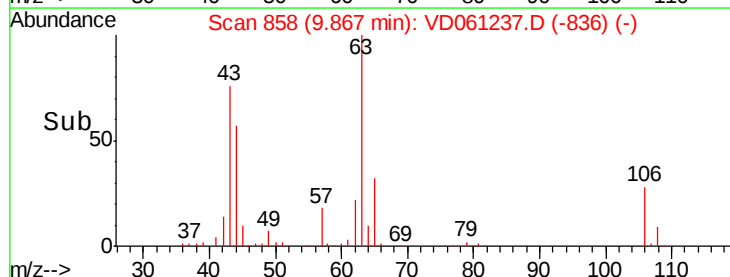
150000

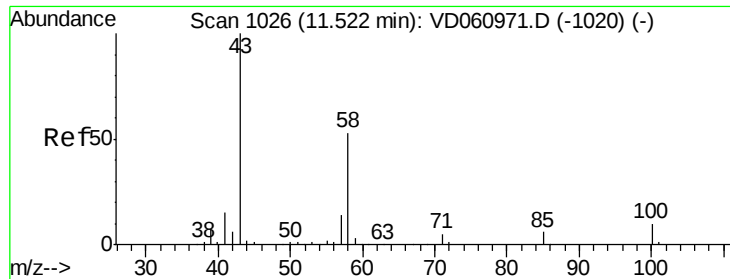
100000

50000

0

Time-->

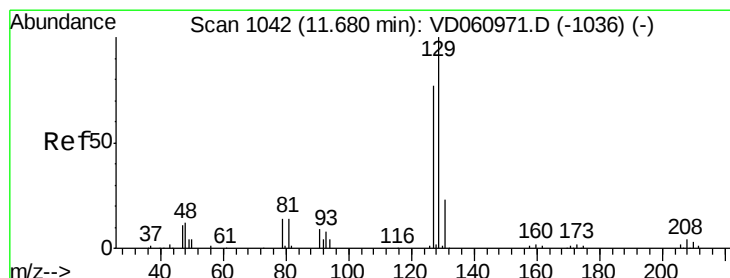
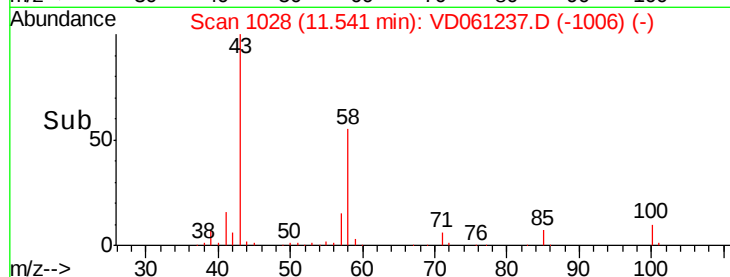
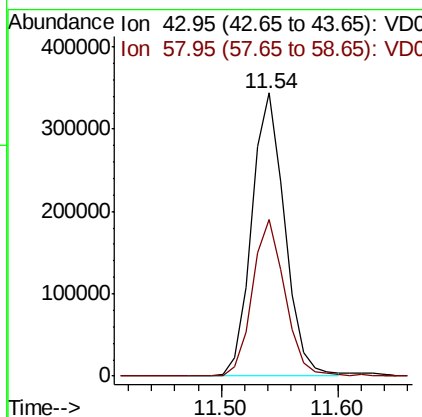
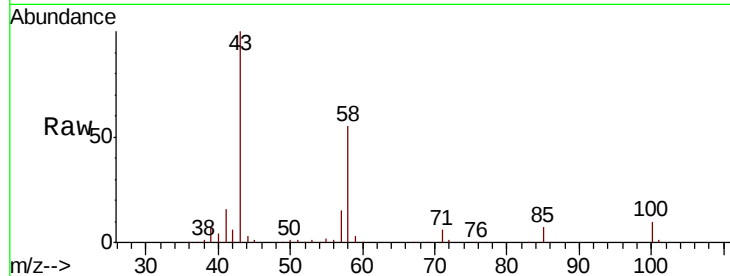




#59
2-Hexanone
Concen: 245.610 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

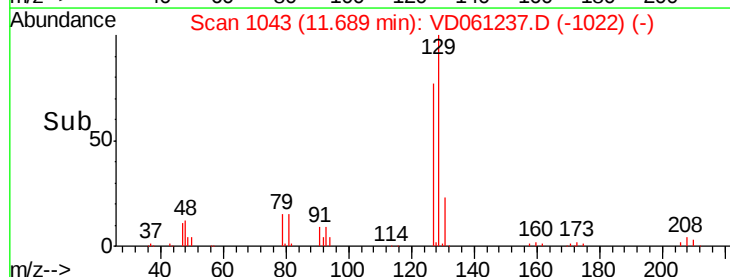
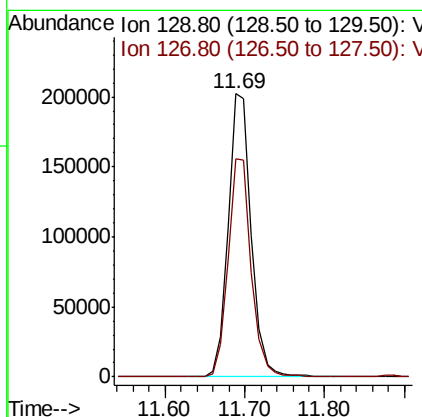
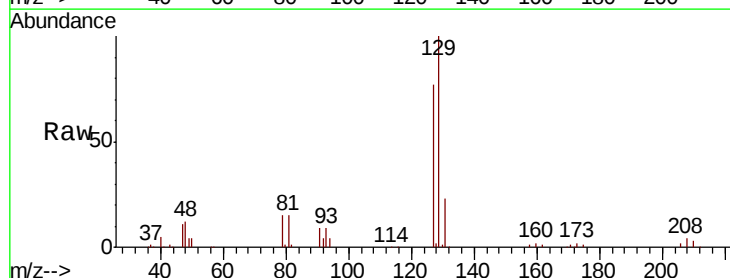
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 673080
Ion Ratio Lower Upper
43 100
58 55.5 26.5 79.5



#60
Dibromochloromethane
Concen: 57.383 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Tgt Ion:129 Resp: 411165
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.9

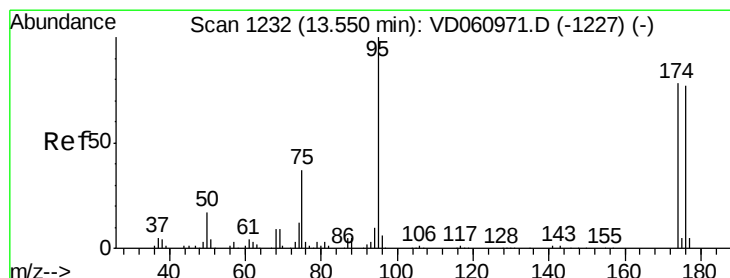
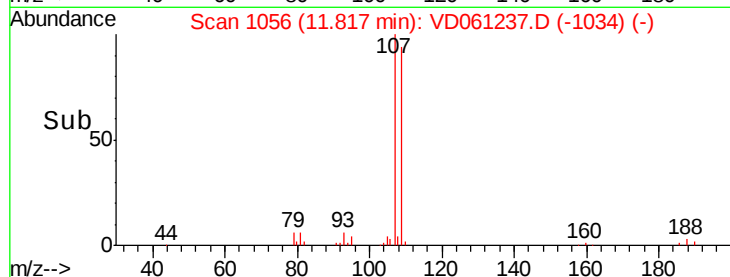
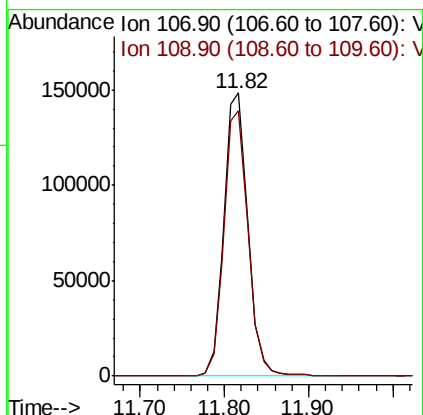
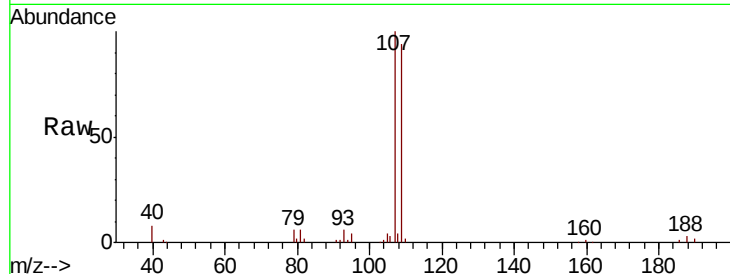




#61
 1,2-Dibromoethane
 Concen: 51.637 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

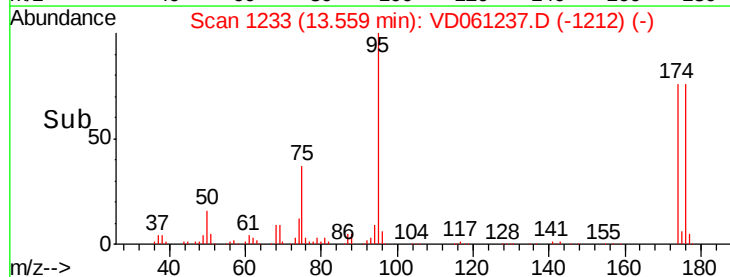
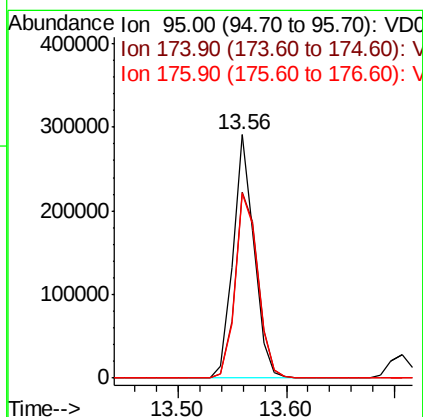
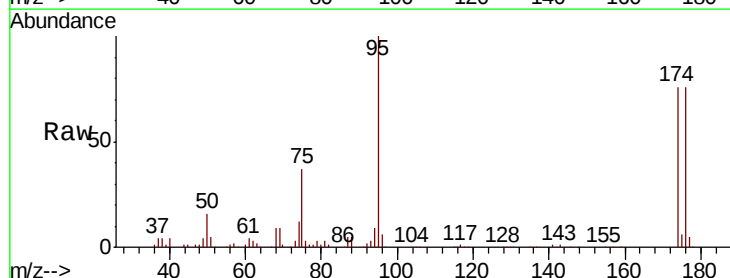
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

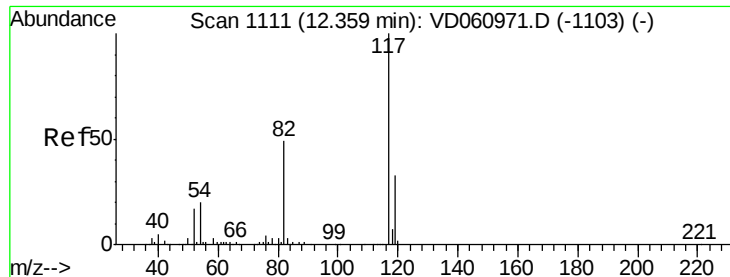
Tot Ion:107 Resp: 292451
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.637 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Tgt Ion: 95 Resp: 395337
 Ion Ratio Lower Upper
 95 100
 174 76.3 0.0 155.6
 176 75.6 0.0 153.8

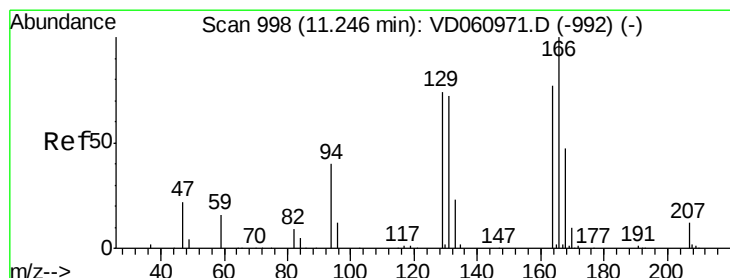
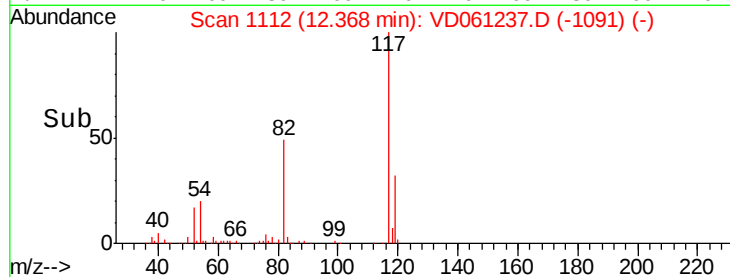
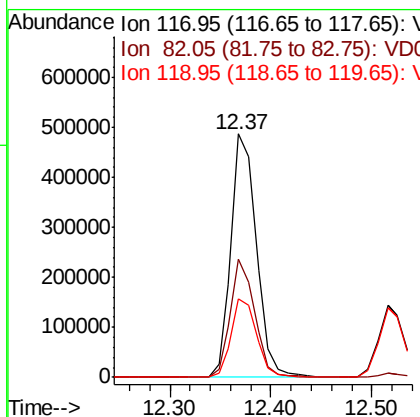
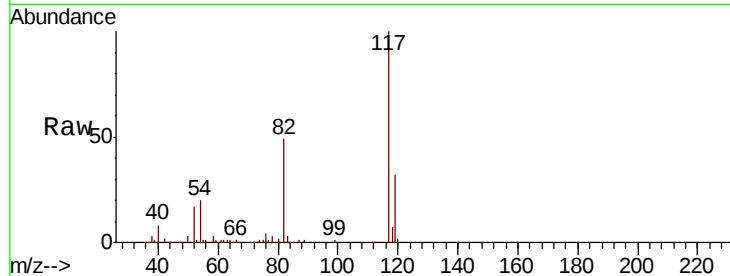




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

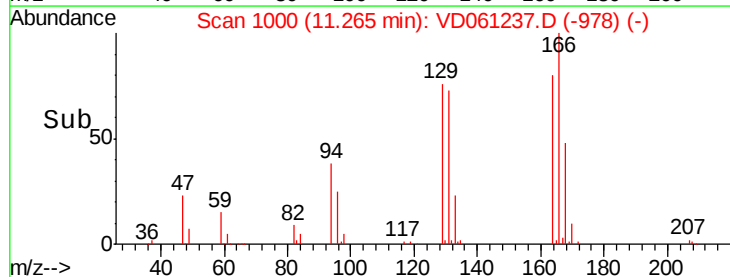
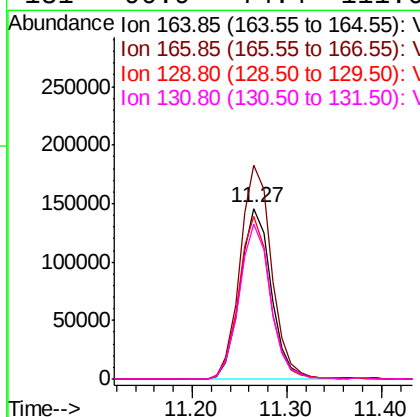
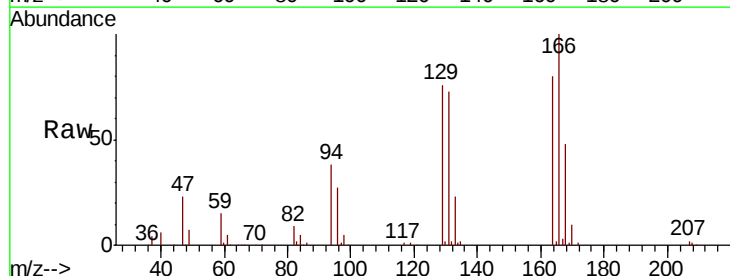
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

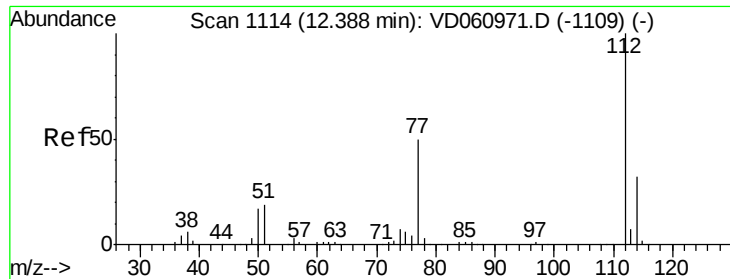
Tot Ion:117 Resp: 855164
Ion Ratio Lower Upper
117 100
82 48.8 38.9 58.3
119 32.3 26.6 39.8



#64
Tetrachloroethene
Concen: 57.394 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Tgt Ion:164 Resp: 331321
Ion Ratio Lower Upper
164 100
166 125.2 103.4 155.0
129 95.6 76.9 115.3
131 90.9 74.4 111.6

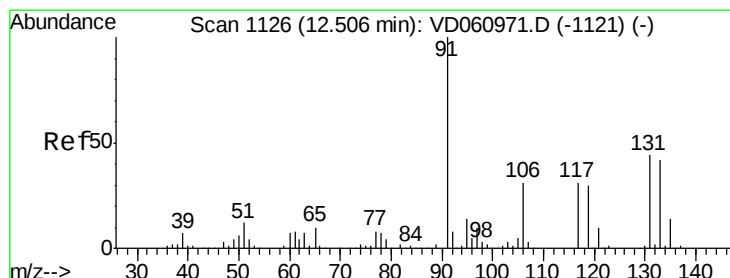
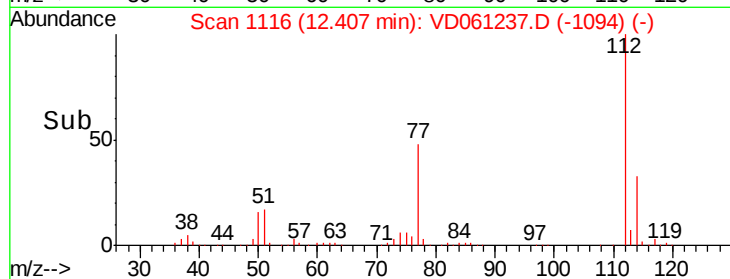
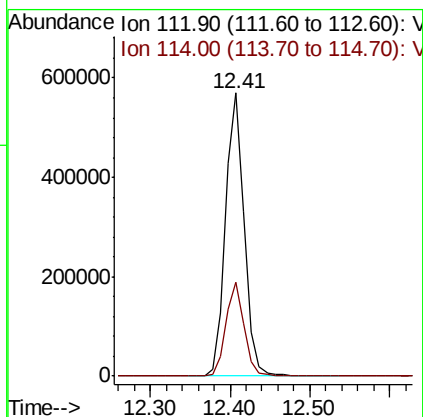
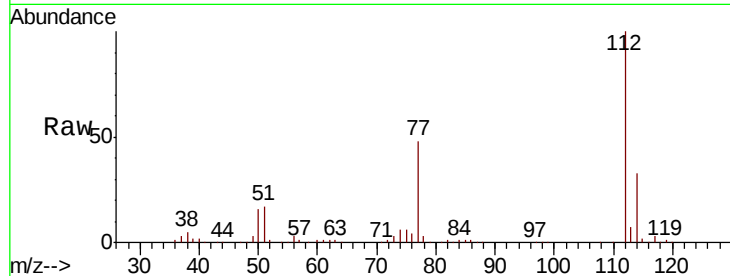




#65
Chlorobenzene
Concen: 56.279 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

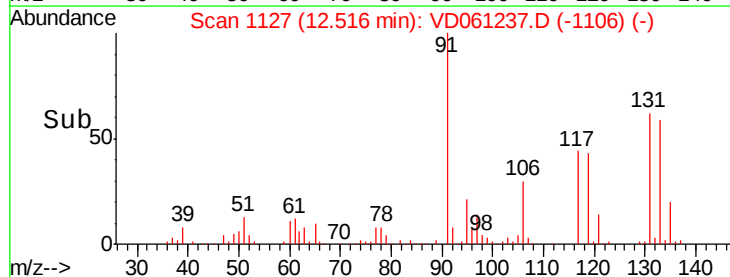
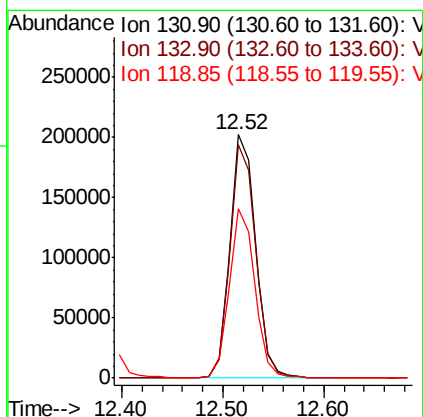
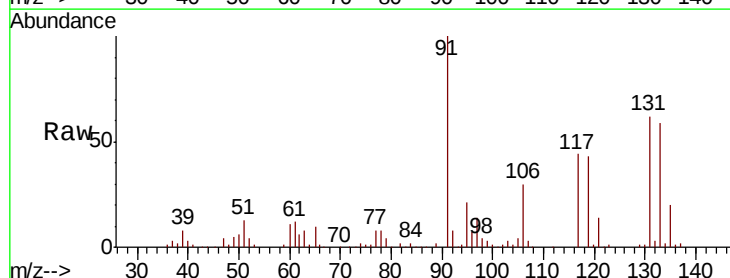
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

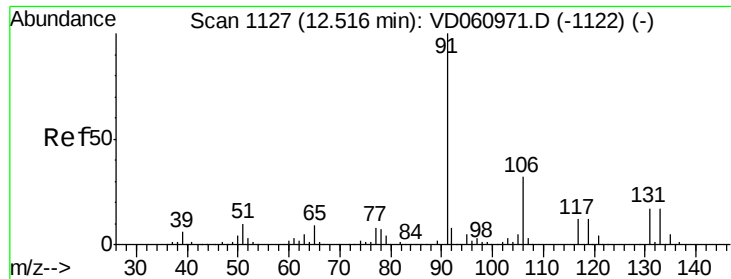
Tot Ion:112 Resp: 943503
Ion Ratio Lower Upper
112 100
114 33.0 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 59.504 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Tgt Ion:131 Resp: 355591
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.3
119 69.4 34.3 102.9

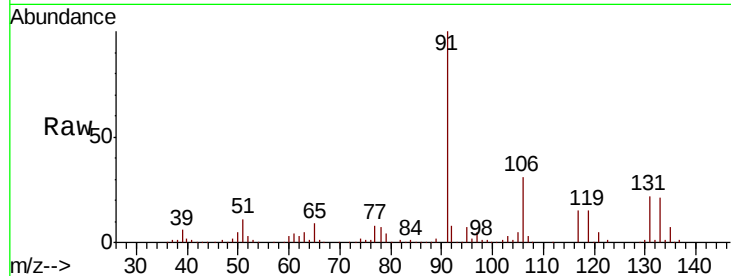




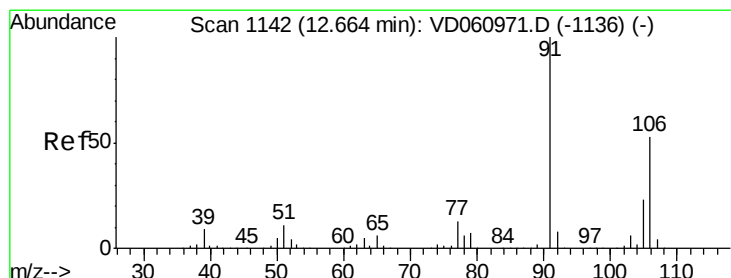
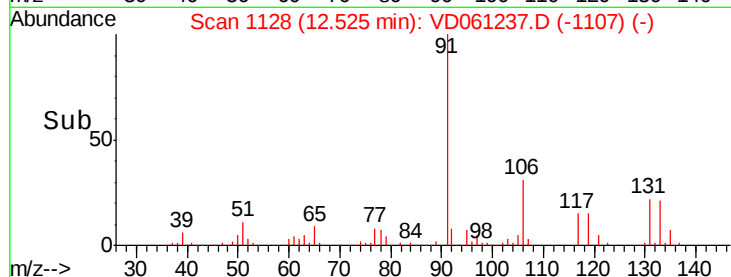
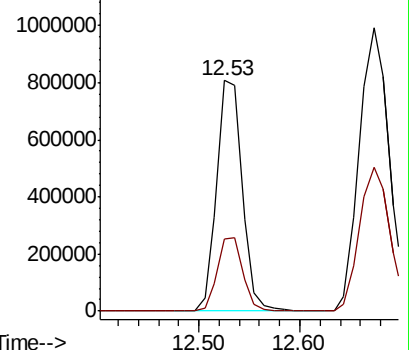
#67
Ethyl Benzene
Concen: 56.687 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1414837
Ion Ratio Lower Upper
91 100
106 31.2 25.7 38.5

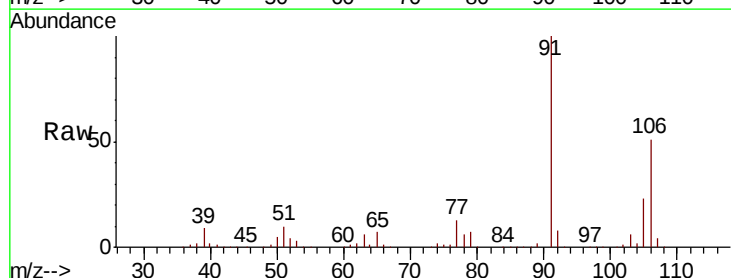


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

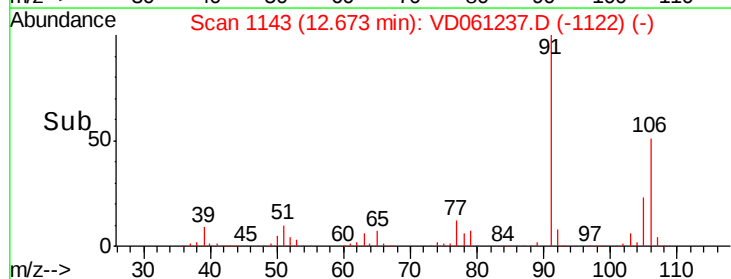
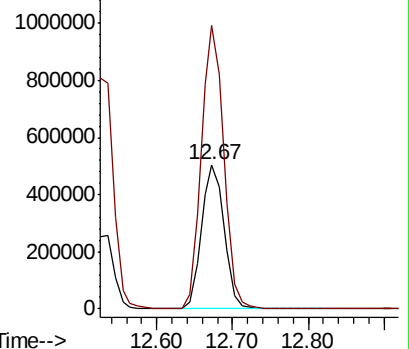


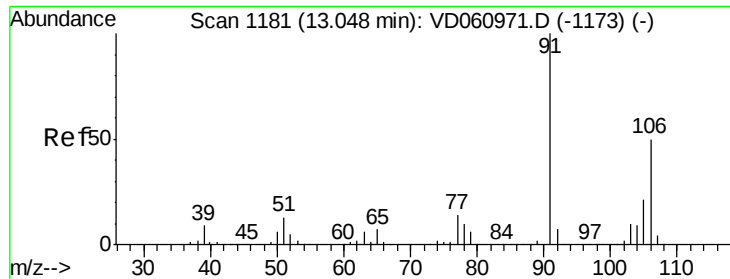
#68
m/p-Xylenes
Concen: 108.023 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Tgt Ion: 106 Resp: 1058202
Ion Ratio Lower Upper
106 100
91 196.1 152.0 228.0



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

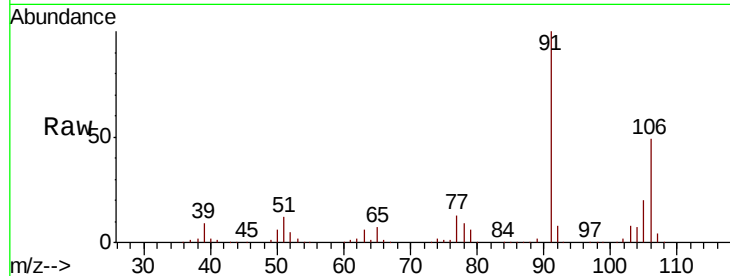




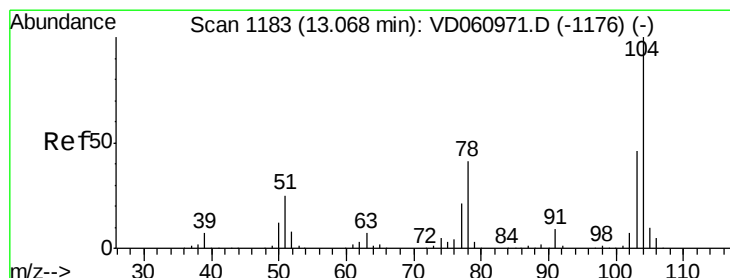
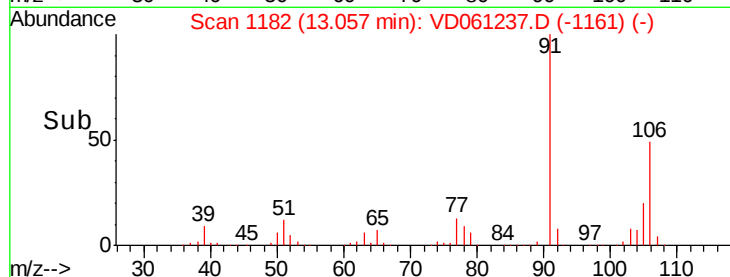
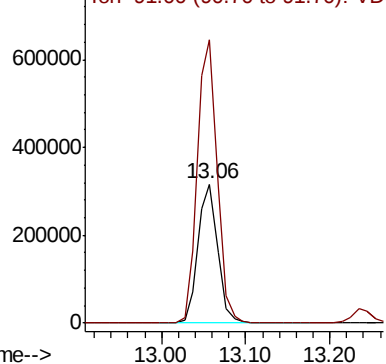
#69
o-Xylene
Concen: 53.185 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 512136
Ion Ratio Lower Upper
106 100
91 203.1 99.8 299.3

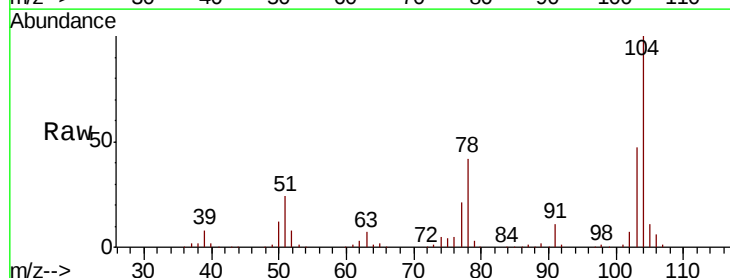


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

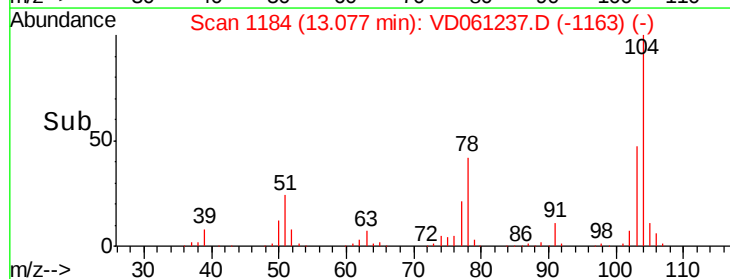
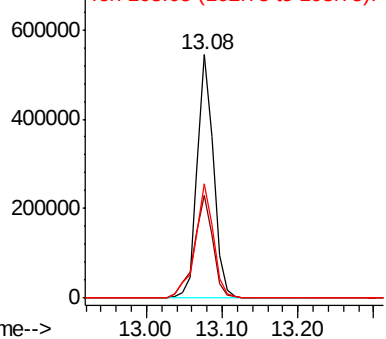


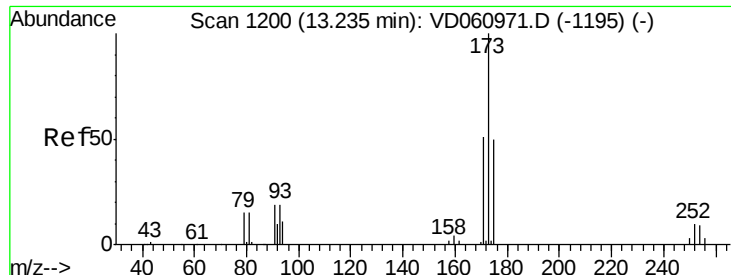
#70
Styrene
Concen: 51.773 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Tgt Ion:104 Resp: 814061
Ion Ratio Lower Upper
104 100
78 42.2 33.0 49.4
103 46.9 37.1 55.7



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





#71

Bromoform

Concen: 58.919 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

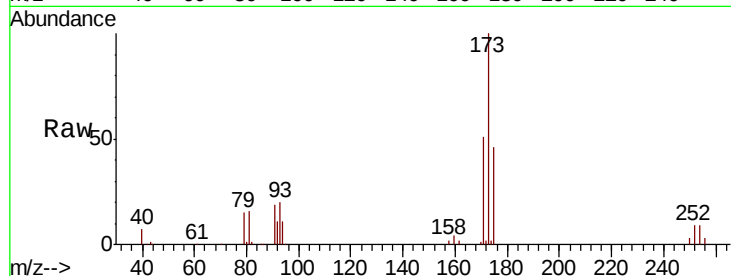
Tot Ion:173 Resp: 227136

Ion Ratio Lower Upper

173 100

175 45.9 24.9 74.8

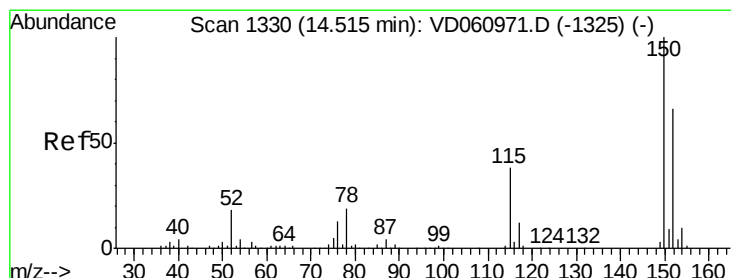
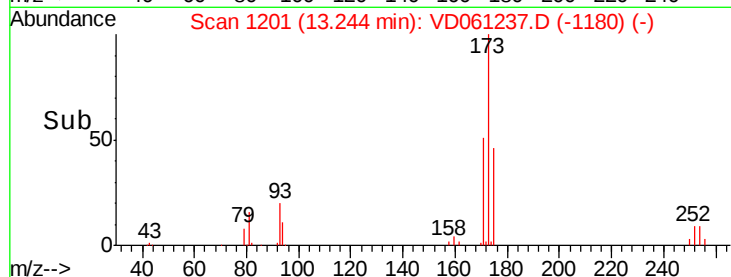
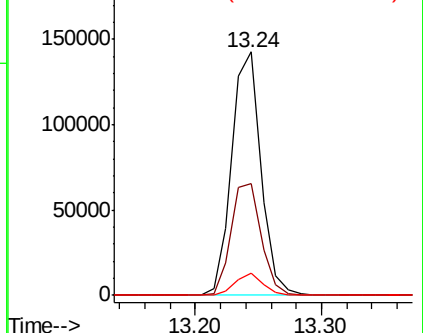
254 9.2 7.3 10.9



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

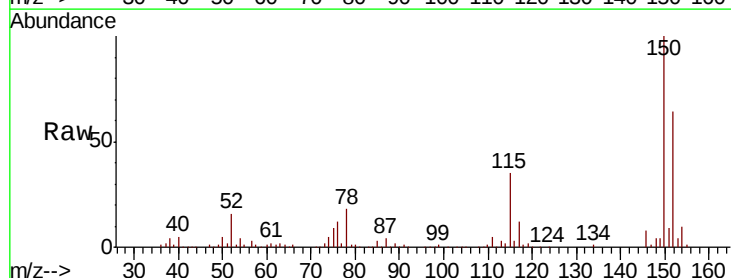
Tgt Ion:152 Resp: 362900

Ion Ratio Lower Upper

152 100

115 54.9 28.6 85.9

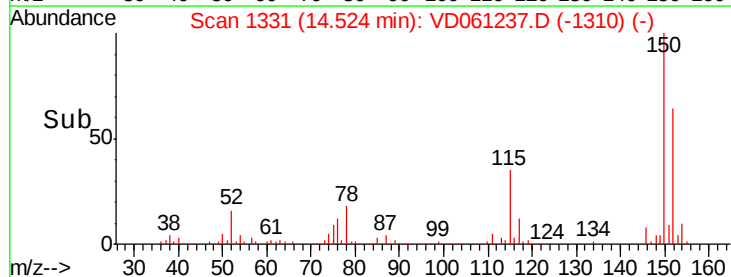
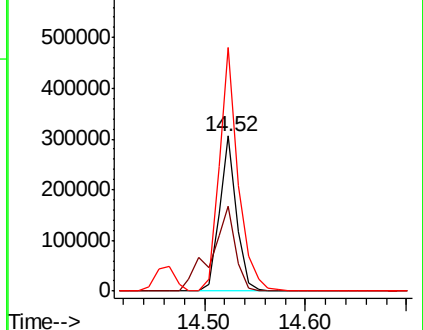
150 157.2 0.0 310.6

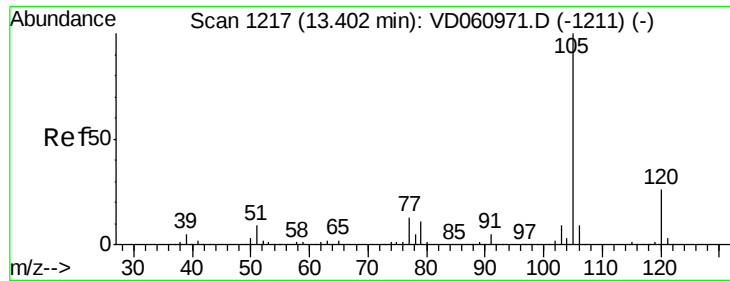


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.091 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

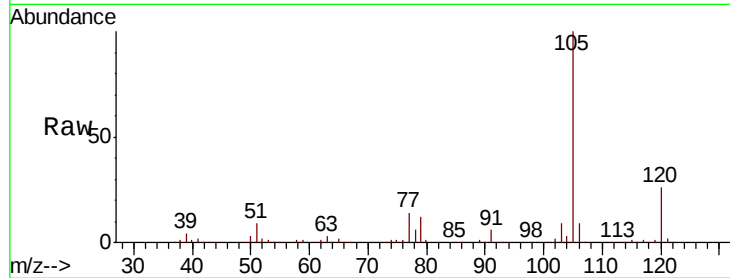
VSTDCCC050

Tot Ion:105 Resp: 1466964

Ion Ratio Lower Upper

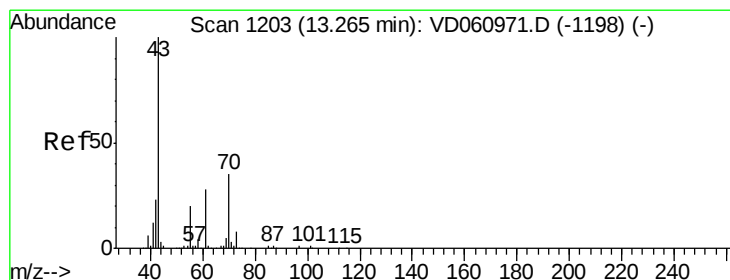
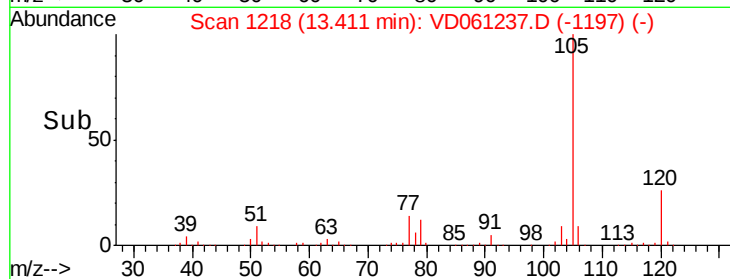
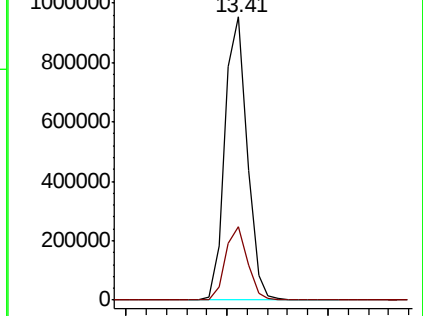
105 100

120 26.0 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.843 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Tgt Ion: 43 Resp: 389150

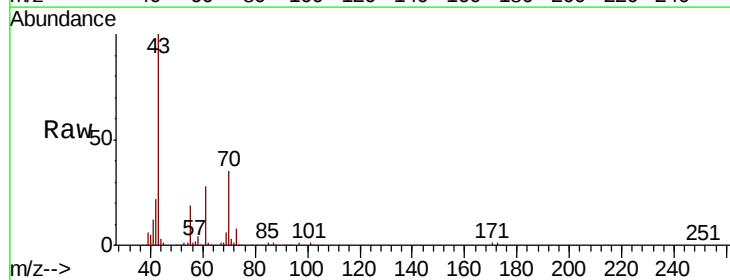
Ion Ratio Lower Upper

43 100

70 34.9 27.7 41.5

55 19.4 16.2 24.2

61 28.5 22.3 33.5

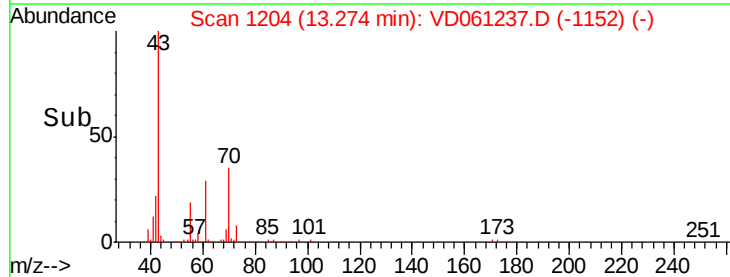
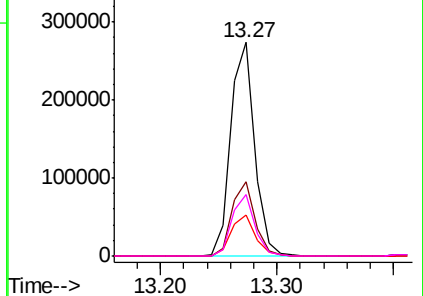


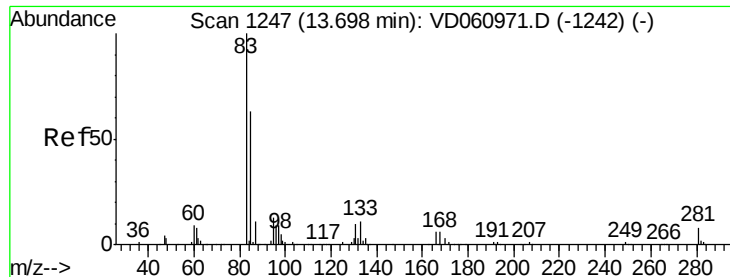
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 56.778 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

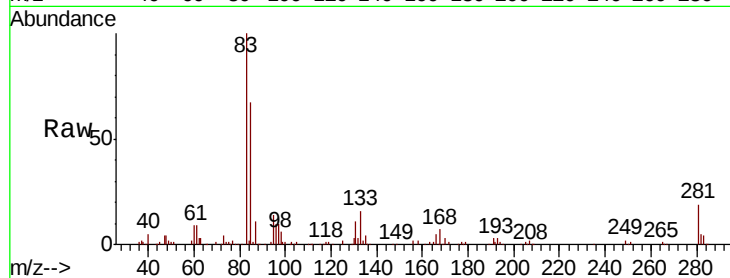
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 289719

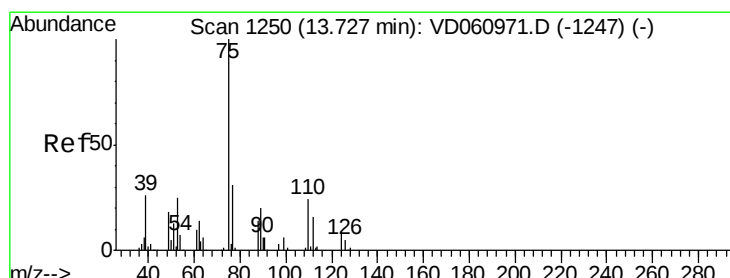
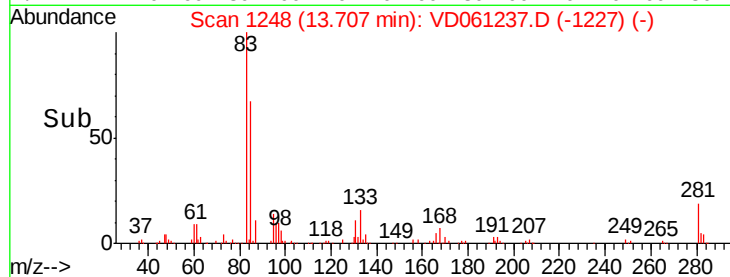
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	66.8	31.5	94.5



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: 57.602 ug/l

RT: 13.74 min Scan# 1251

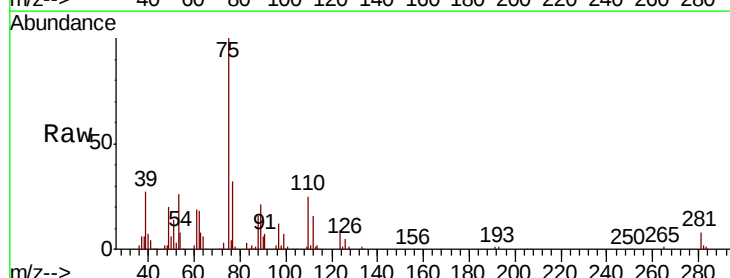
Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

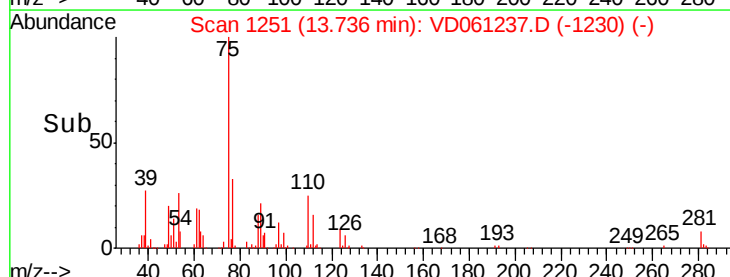
Tgt Ion: 75 Resp: 300741

Ion	Ratio	Lower	Upper
75	100		
77	32.5	16.6	49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

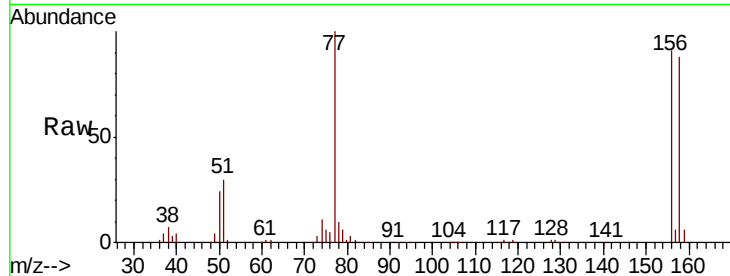




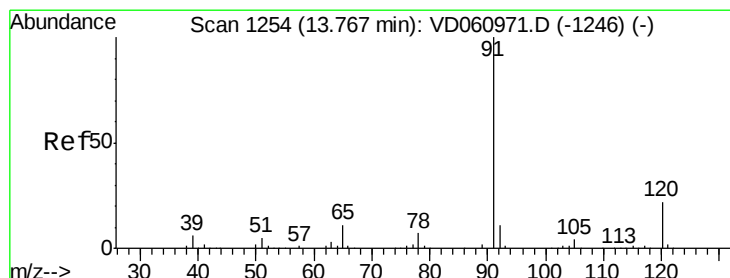
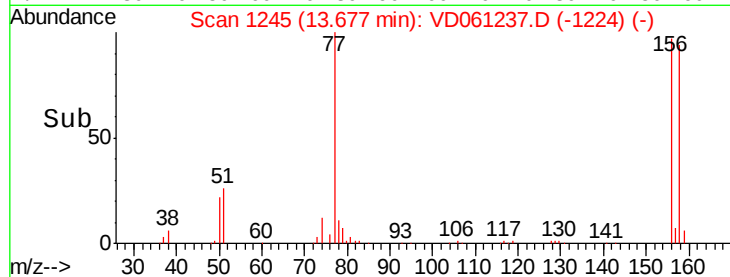
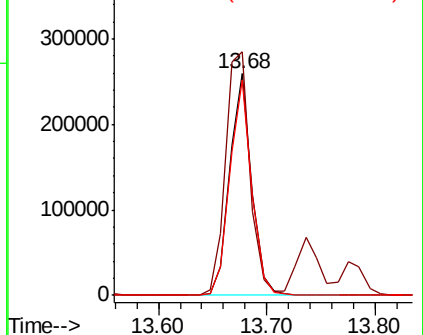
#77
Bromobenzene
Concen: 54.491 ug/l
RT: 13.68 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 363791
Ion Ratio Lower Upper
156 100
77 109.9 55.5 166.7
158 97.2 49.0 147.0

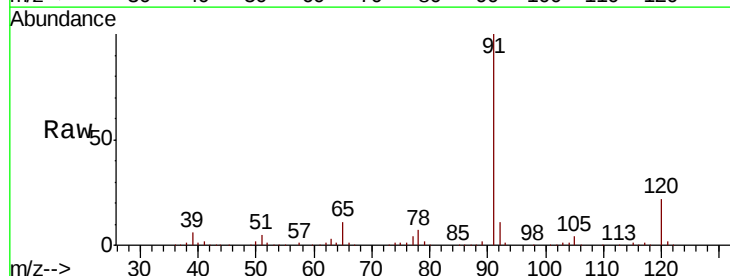


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

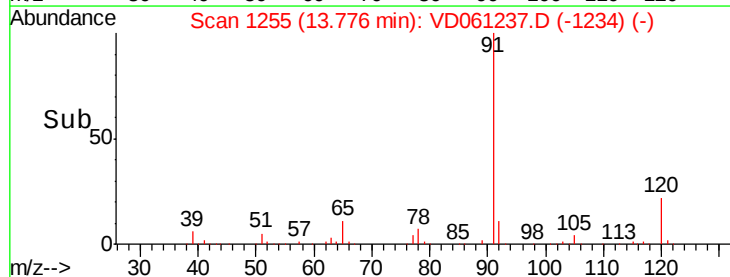
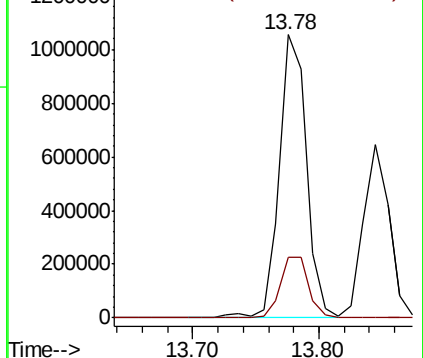


#78
n-propylbenzene
Concen: 51.703 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Tgt Ion: 91 Resp: 1583029
Ion Ratio Lower Upper
91 100
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

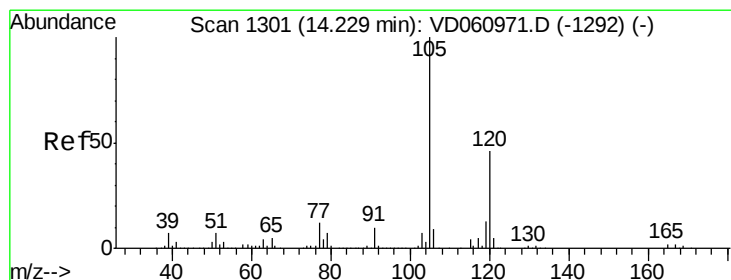
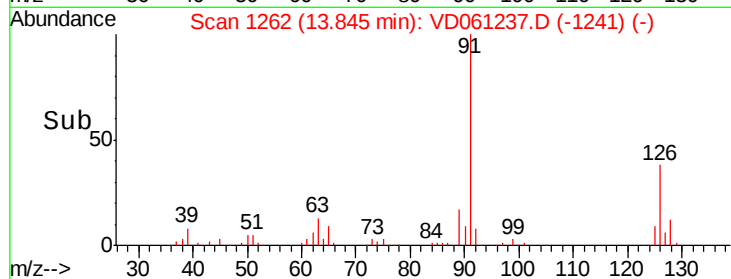
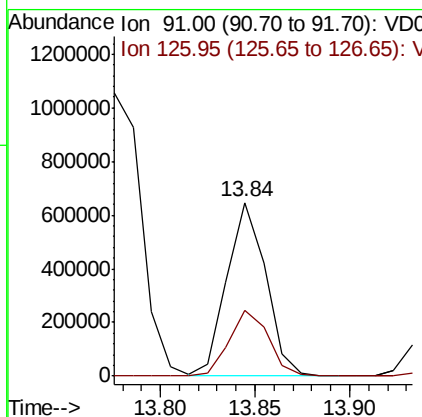
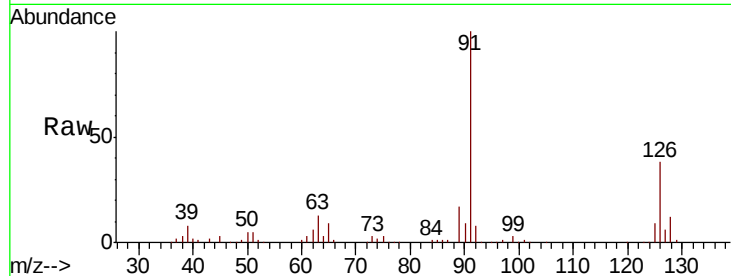




#79
2-Chlorotoluene
Concen: 53.992 ug/l
RT: 13.84 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

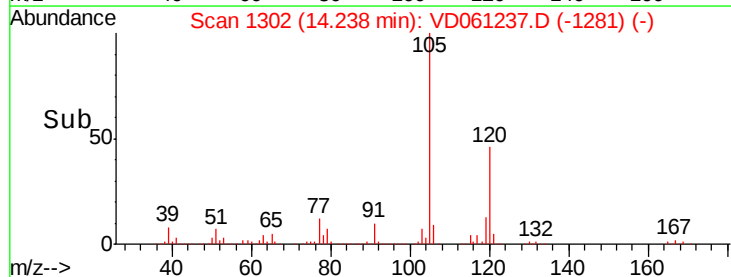
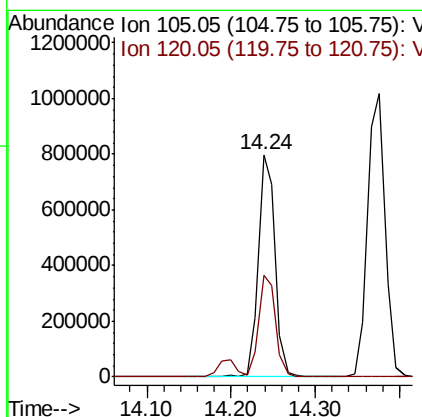
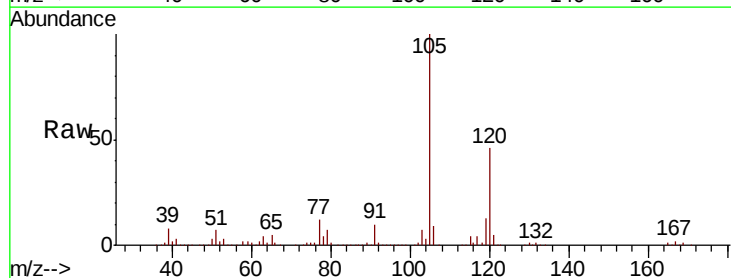
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 910101
Ion Ratio Lower Upper
91 100
126 38.1 18.6 55.6



#80
1,3,5-Trimethylbenzene
Concen: 56.595 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Tgt Ion:105 Resp: 1123681
Ion Ratio Lower Upper
105 100
120 45.9 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 61.404 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

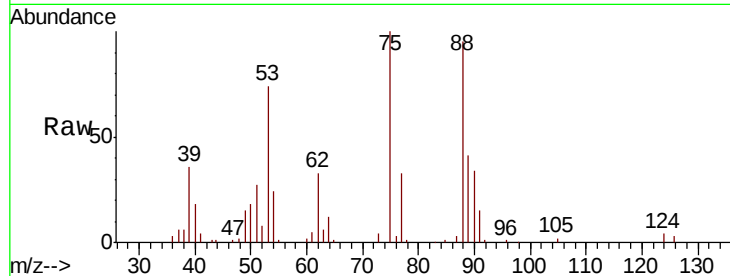
Tot Ion: 75 Resp: 94516

Ion Ratio Lower Upper

75 100

53 74.4 64.4 96.6

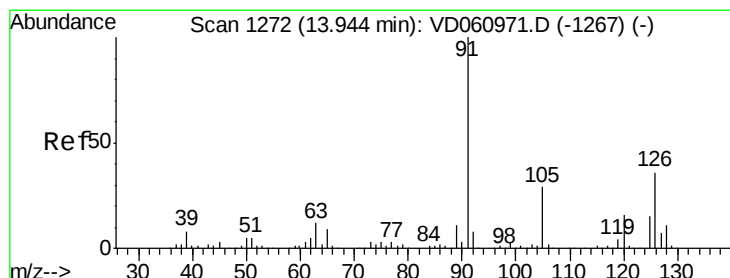
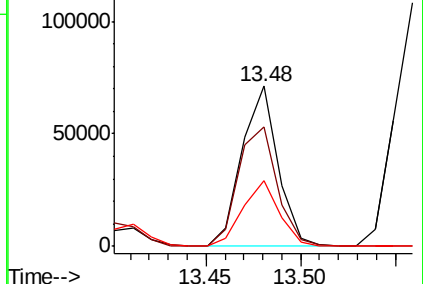
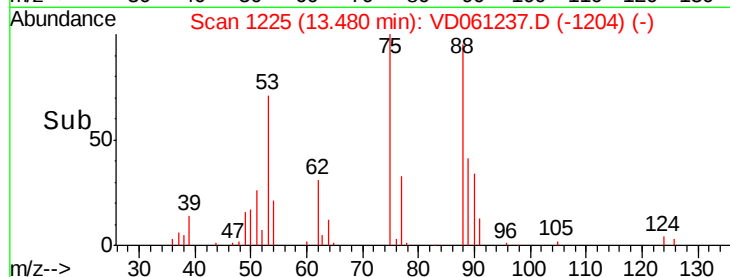
89 40.7 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 48.793 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061237.D

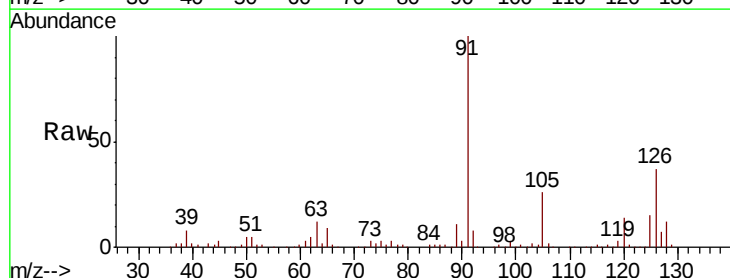
Acq: 21 Mar 2019 11:20

Tgt Ion: 91 Resp: 972319

Ion Ratio Lower Upper

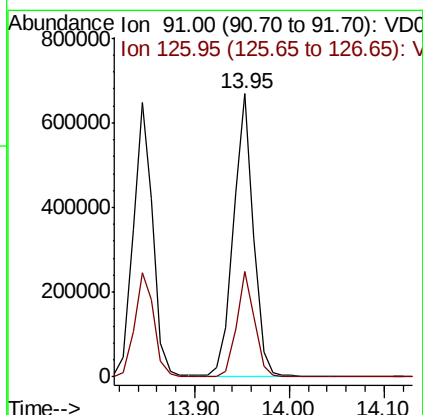
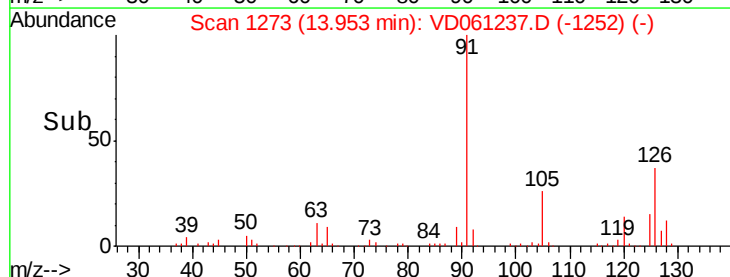
91 100

126 37.1 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

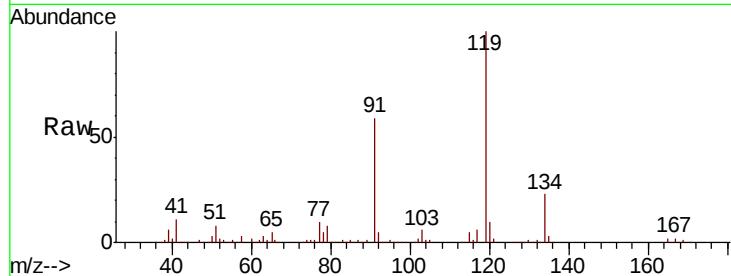




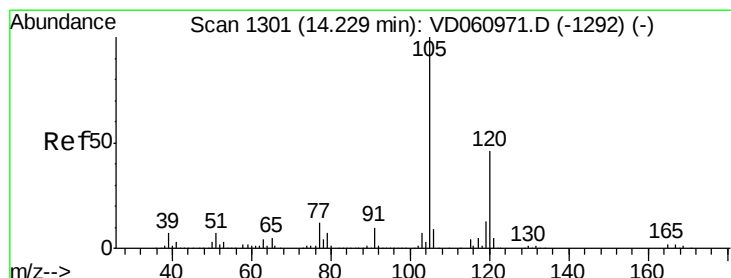
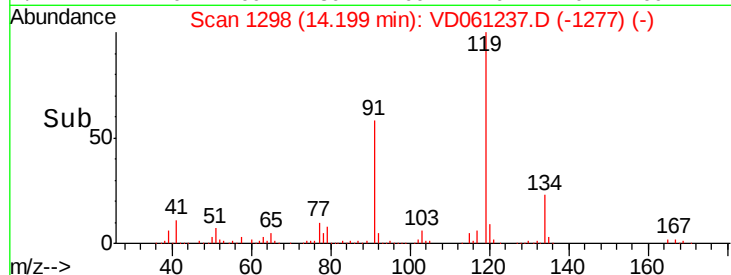
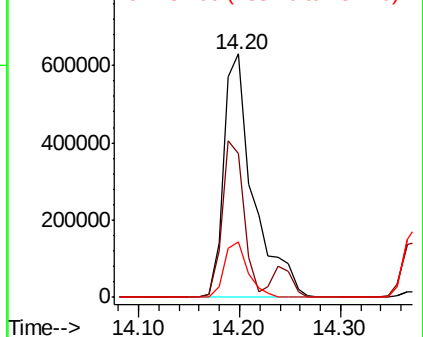
#83
tert-Butylbenzene
Concen: 59.148 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1285213
Ion Ratio Lower Upper
119 100
91 58.9 30.1 90.3
134 23.0 11.6 34.7

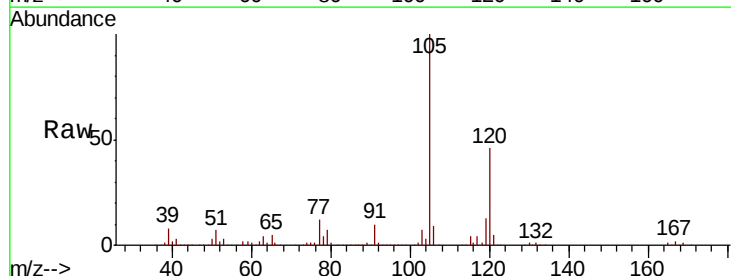


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

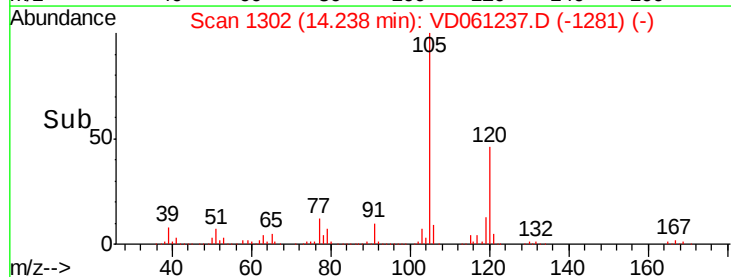
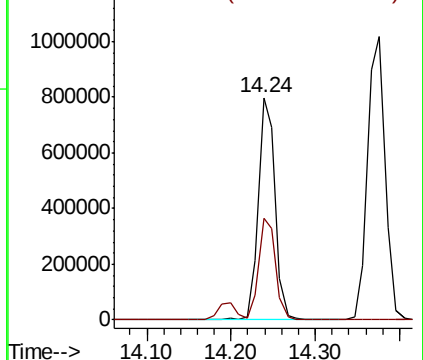


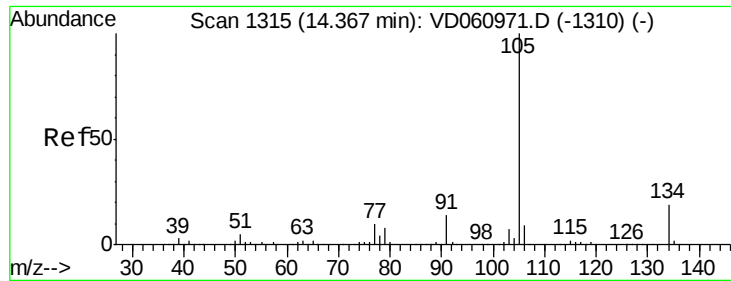
#84
1,2,4-Trimethylbenzene
Concen: 56.595 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Tgt Ion:105 Resp: 1123681
Ion Ratio Lower Upper
105 100
120 45.9 22.9 68.5



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

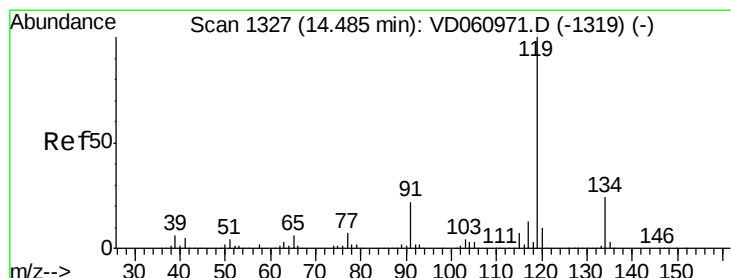
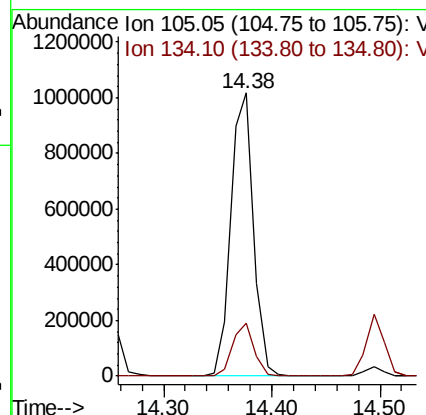
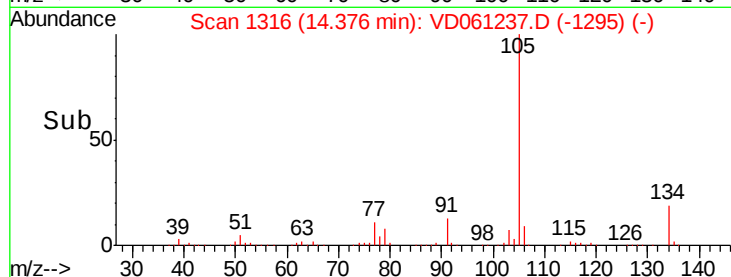
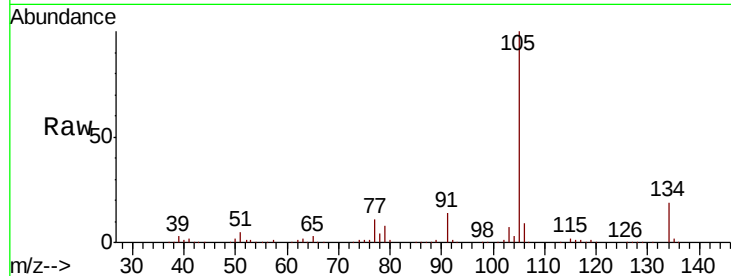




#85
 sec-Butylbenzene
 Concen: 55.475 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

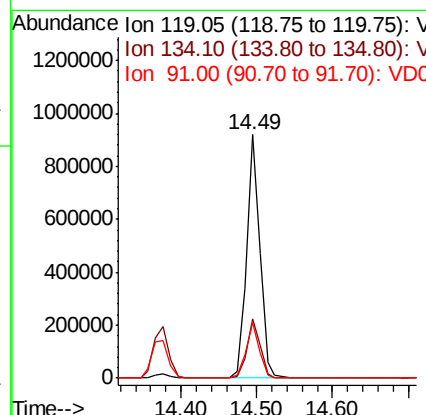
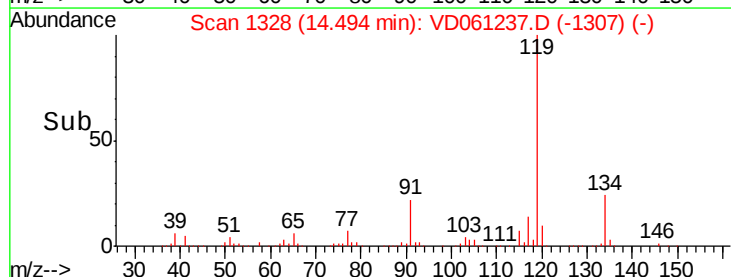
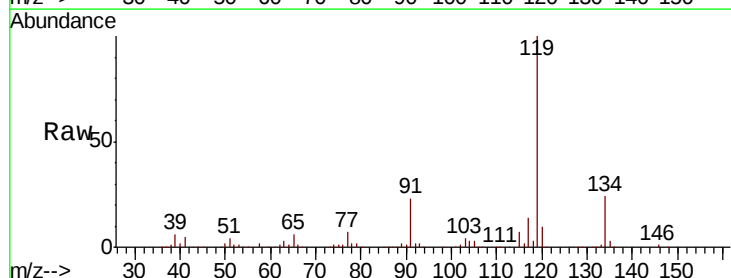
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:105 Resp: 1471571
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 50.205 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Tgt Ion:119 Resp: 1088593
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.0 36.1
 91 22.6 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 56.348 ug/l

RT: 14.46 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

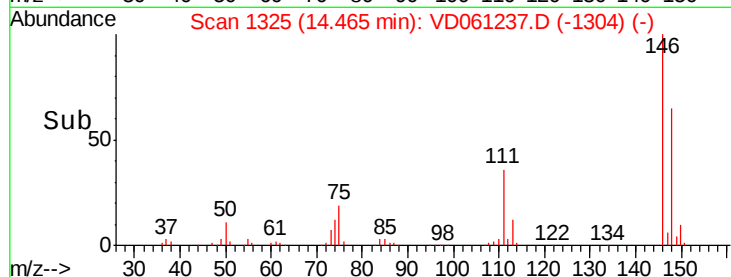
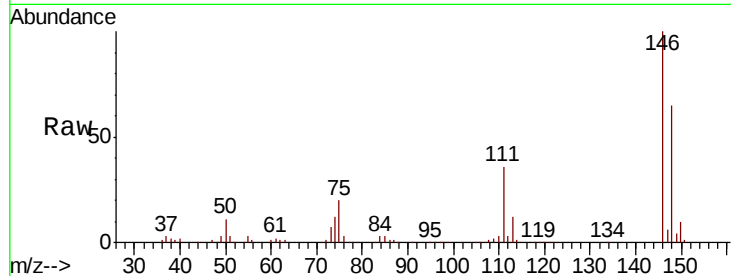
Tot Ion:146 Resp: 671746

Ion Ratio Lower Upper

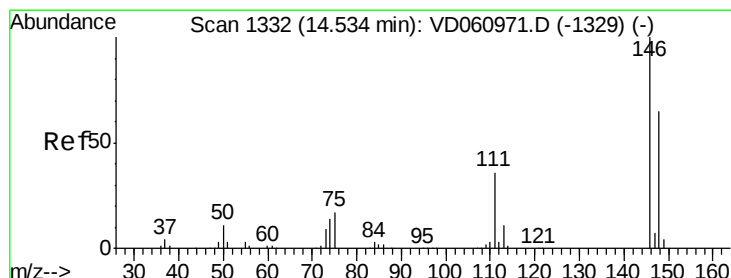
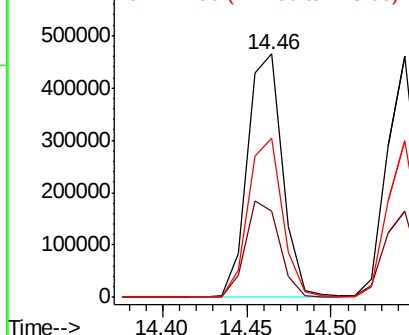
146 100

111 35.6 18.4 55.4

148 65.4 32.5 97.4



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



#88

1,4-Dichlorobenzene

Concen: 50.968 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

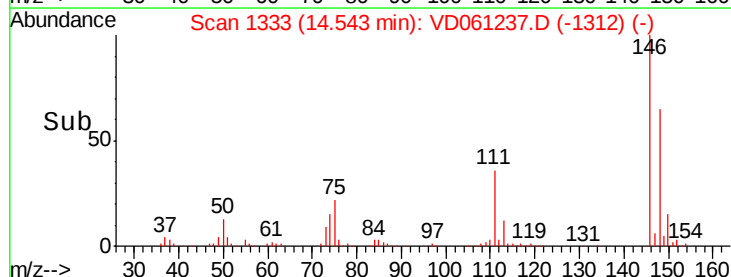
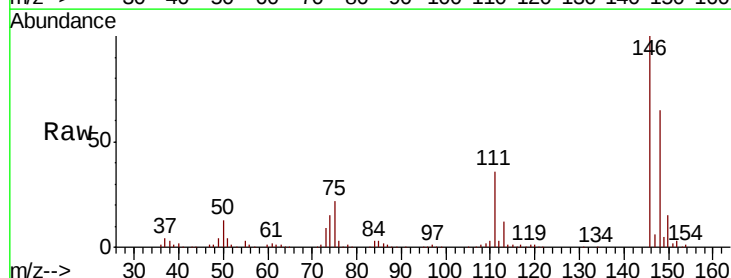
Tgt Ion:146 Resp: 597092

Ion Ratio Lower Upper

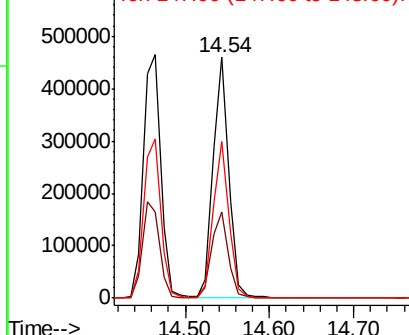
146 100

111 35.8 18.4 55.2

148 65.1 32.5 97.5



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





#89

n-Butylbenzene

Concen: 53.827 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061237.D

Acq: 21 Mar 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

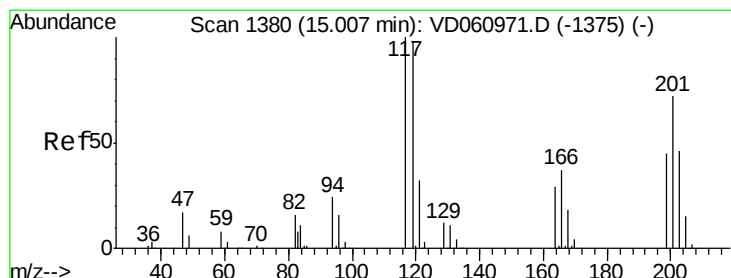
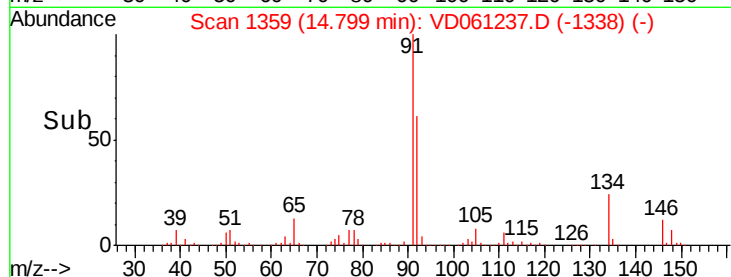
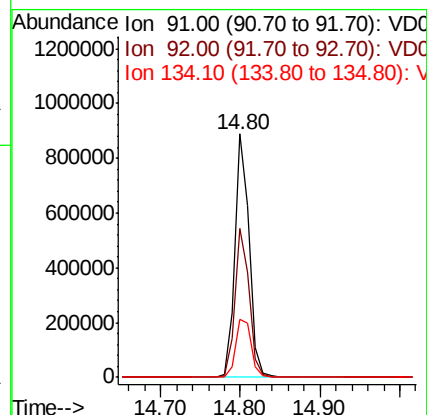
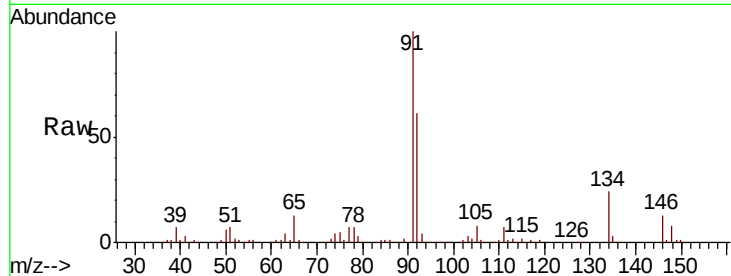
Tot Ion: 91 Resp: 1120812

Ion Ratio Lower Upper

91 100

92 61.3 30.6 91.8

134 24.0 11.0 33.0



#90

Hexachloroethane

Concen: 61.900 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD061237.D

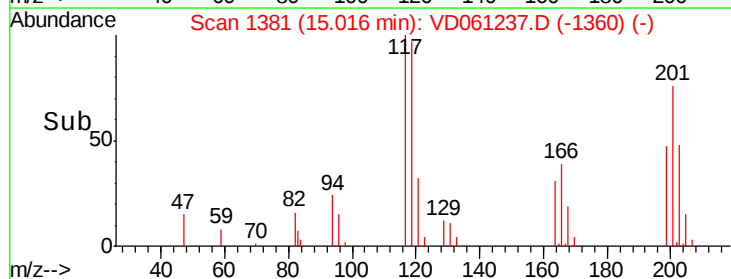
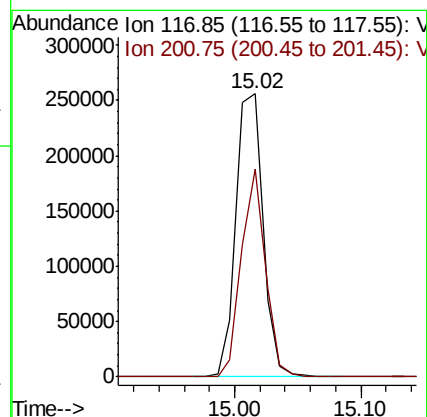
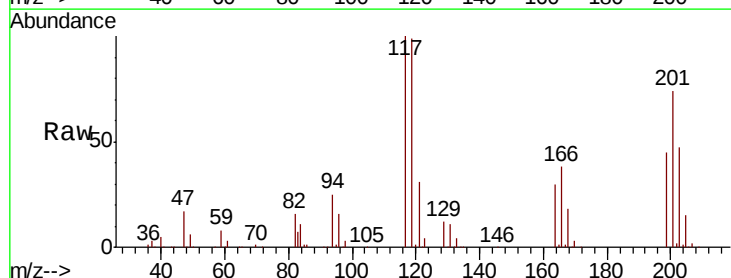
Acq: 21 Mar 2019 11:20

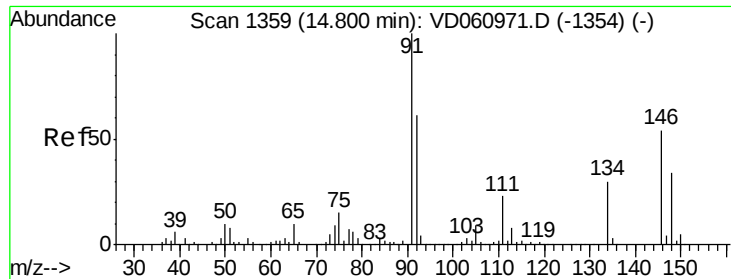
Tgt Ion: 117 Resp: 378993

Ion Ratio Lower Upper

117 100

201 73.6 36.2 108.6

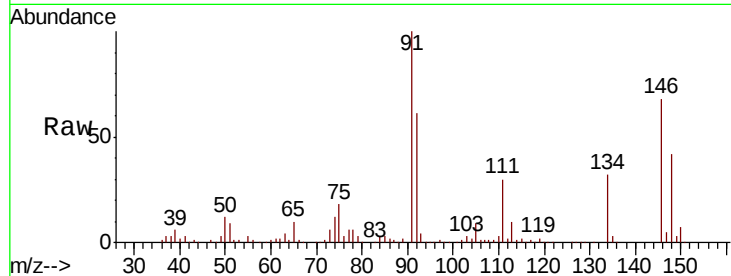




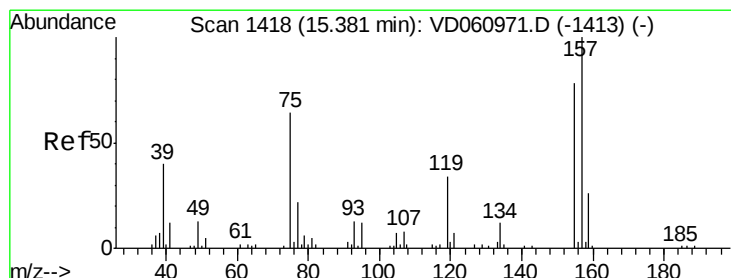
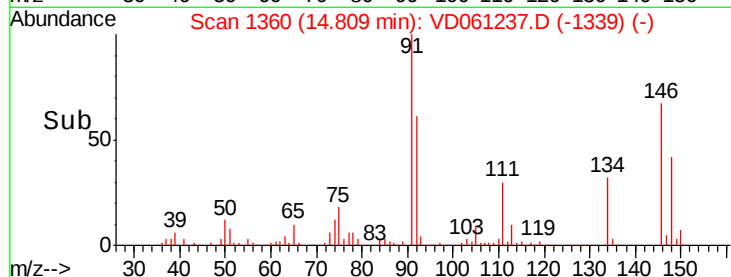
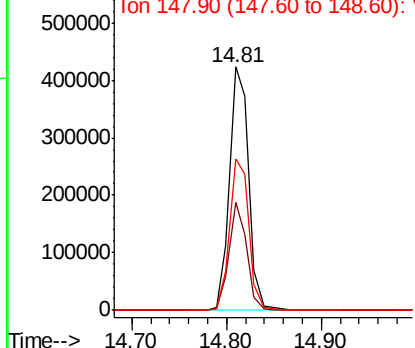
#91
 1,2-Dichlorobenzene
 Concen: 59.338 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 589718
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.5 64.5
 148 62.2 30.9 92.8

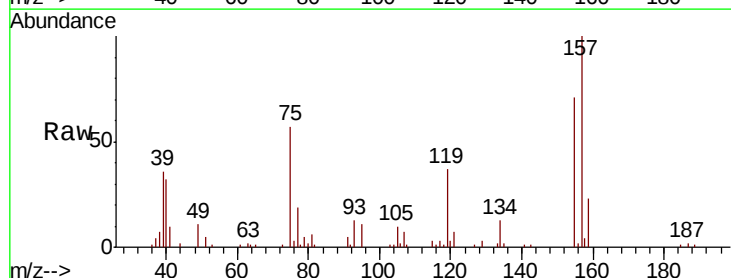


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

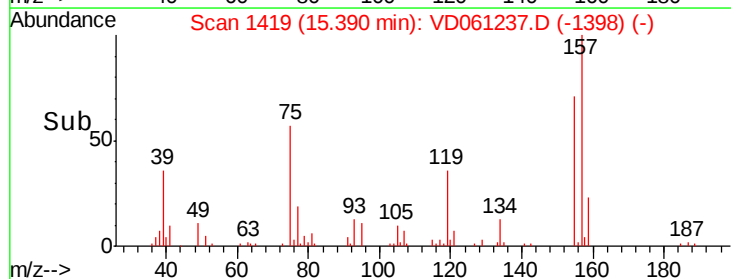
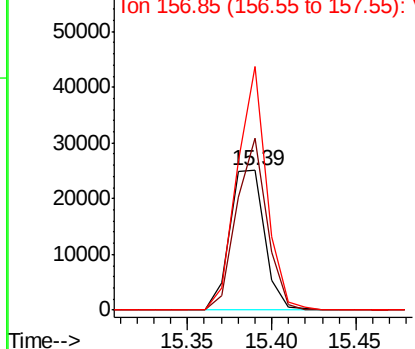


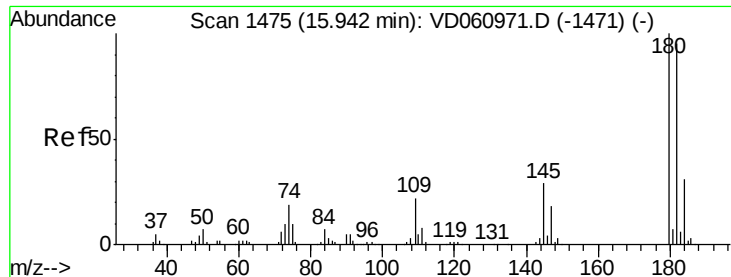
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.686 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Tgt Ion: 75 Resp: 36086
 Ion Ratio Lower Upper
 75 100
 155 123.3 61.2 183.5
 157 174.6 78.3 234.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

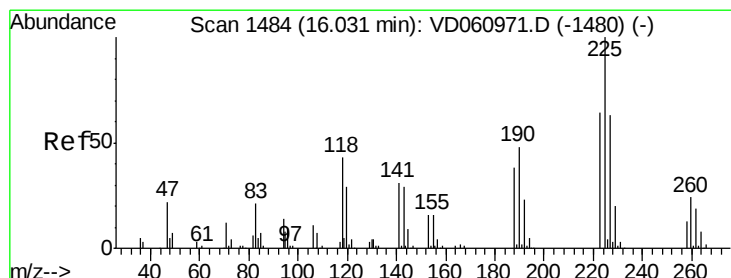
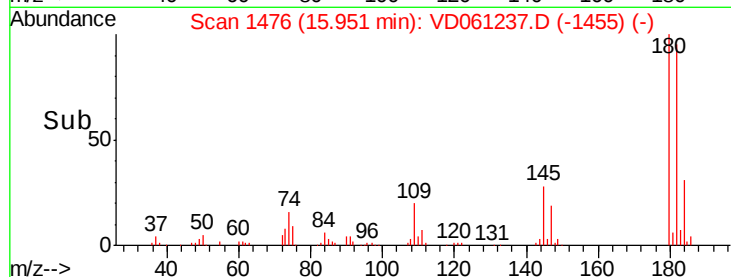
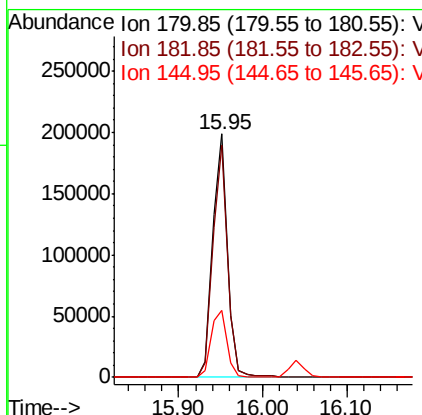
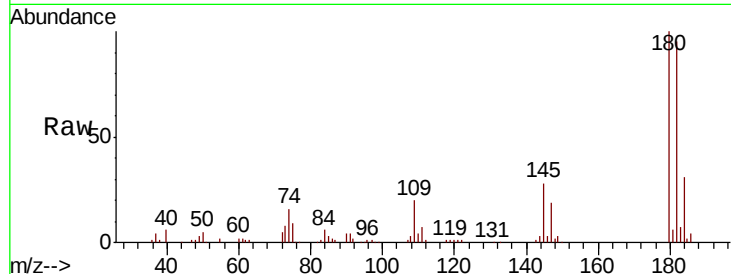




#93
 1,2,4-Trichlorobenzene
 Concen: 52.458 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

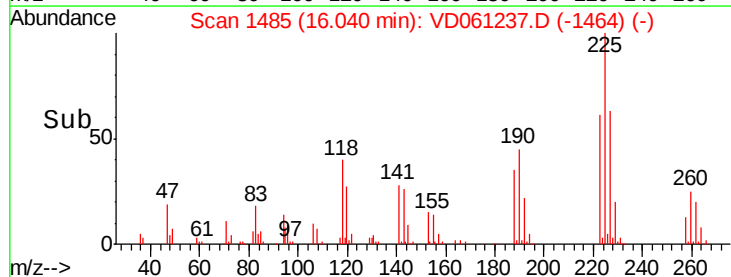
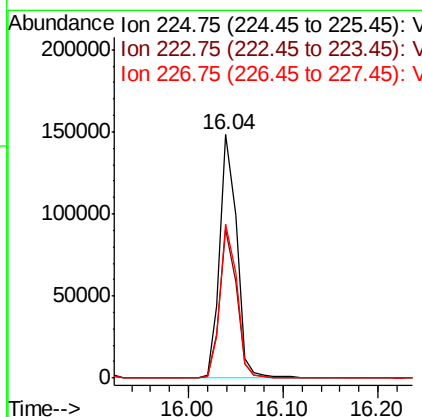
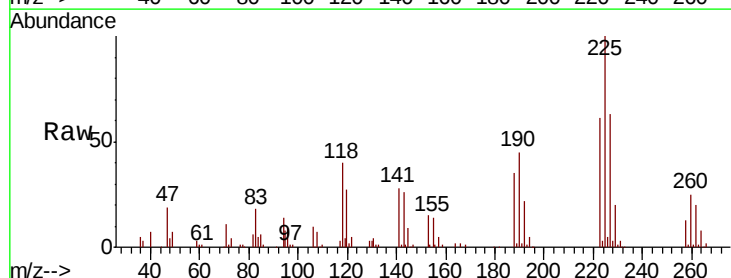
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

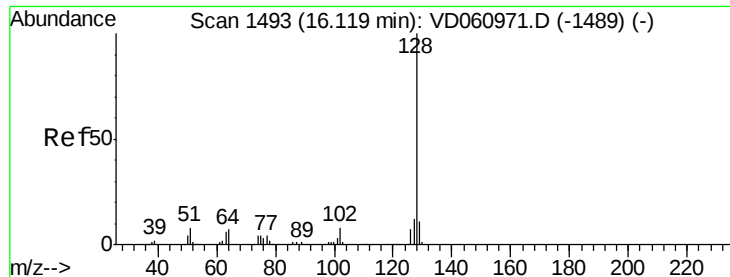
Tot Ion:180 Resp: 241853
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.3 142.0
 145 27.6 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 53.264 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061237.D
 Acq: 21 Mar 2019 11:20

Tgt Ion:225 Resp: 185744
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.8 95.3
 227 63.4 31.4 94.0

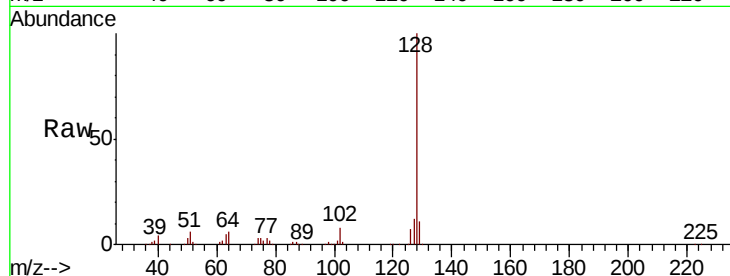




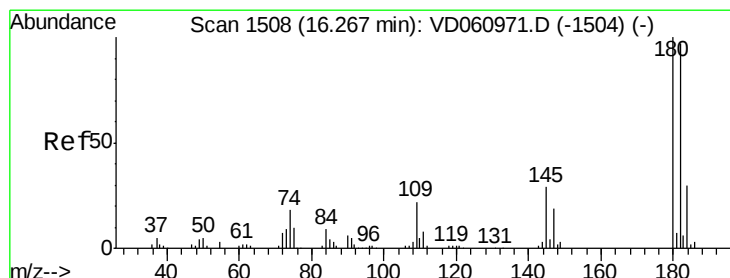
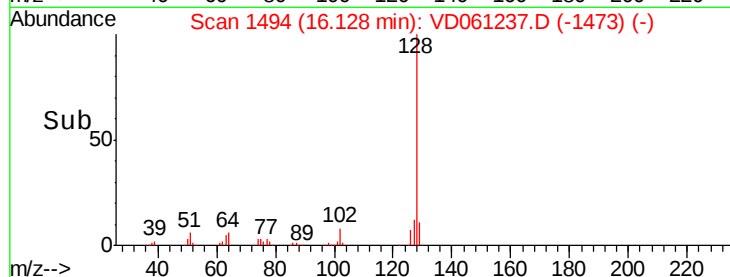
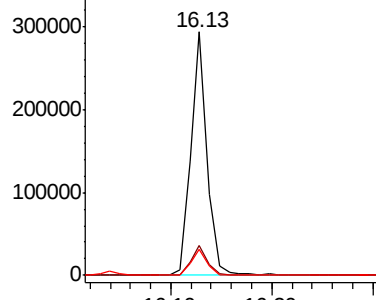
#95
Naphthalene
Concen: 47.392 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 332029
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.8
129 10.7 8.5 12.7

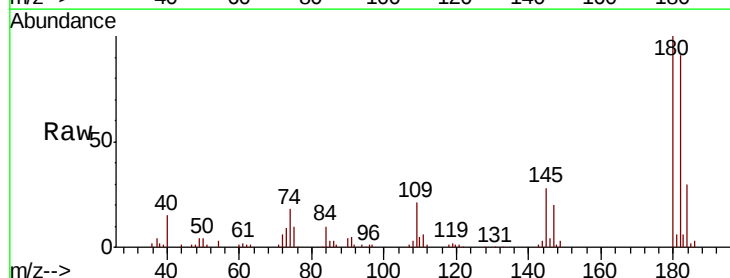


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 43.151 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061237.D
Acq: 21 Mar 2019 11:20

Tgt Ion:180 Resp: 98258
Ion Ratio Lower Upper
180 100
182 90.5 48.6 145.8
145 28.3 14.3 42.9



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

