

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111418\
 Data File : VD060370.D
 Acq On : 14 Nov 2018 10:20
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 14 14:30:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1679235	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	2359477	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	1893372	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	981286	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	632325	52.59	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.18%	
35) Dibromofluoromethane	6.30	113	919573	52.27	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	9.43	98	2645365	51.37	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.42	95	966034	51.77	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	677311	51.566	ug/l	98
3) Chloromethane	1.77	50	670342	42.143	ug/l	100
4) Vinyl Chloride	1.86	62	598293	46.058	ug/l	96
5) Bromomethane	2.15	94	159983	51.910	ug/l	94
6) Chloroethane	2.26	64	197489	45.819	ug/l	98
7) Trichlorofluoromethane	2.51	101	781360	51.019	ug/l	96
8) Diethyl Ether	2.82	74	136132	49.095	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.09	101	492993	48.942	ug/l	96
10) Methyl Iodide	3.24	142	597653	45.682	ug/l	99
11) Tert butyl alcohol	3.95	59	133238	269.859	ug/l #	92
12) 1,1-Dichloroethene	3.07	96	395355	48.252	ug/l	99
13) Acrolein	2.98	56	125231	214.658	ug/l	99
14) Allyl chloride	3.53	41	756869	48.277	ug/l	96
15) Acrylonitrile	4.07	53	735087	255.311	ug/l	99
16) Acetone	3.15	43	548615	263.046	ug/l	99
17) Carbon Disulfide	3.31	76	1175229	44.437	ug/l	99
18) Methyl Acetate	3.55	43	205330	46.172	ug/l	96
19) Methyl tert-butyl Ether	4.11	73	1228750	50.082	ug/l	98
20) Methylene Chloride	3.71	84	962758	52.038	ug/l	96
21) trans-1,2-Dichloroethene	4.09	96	916385	50.371	ug/l	99
22) Diisopropyl ether	4.84	45	2988150	51.017	ug/l	94
23) Vinyl Acetate	4.79	43	7365445	252.722	ug/l	99
24) 1,1-Dichloroethane	4.74	63	1552736	51.697	ug/l	99
25) 2-Butanone	5.61	43	1143145	263.696	ug/l	98
26) 2,2-Dichloropropane	5.57	77	1267348	54.273	ug/l	96
27) cis-1,2-Dichloroethene	5.58	96	981453	51.784	ug/l	97
28) Bromochloromethane	5.91	49	709293	53.521	ug/l	89
29) Tetrahydrofuran	5.93	42	569446	249.147	ug/l	98
30) Chloroform	6.09	83	1584302	52.763	ug/l	99
31) Cyclohexane	6.34	56	1357919	47.302	ug/l	97
32) 1,1,1-Trichloroethane	6.28	97	1286566	50.867	ug/l	99
36) 1,1-Dichloropropene	6.50	75	1191414	51.110	ug/l	98
37) Ethyl Acetate	5.68	43	558996	52.113	ug/l	98
38) Carbon Tetrachloride	6.48	117	1092137	50.507	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1369774	51.090	ug/l	99
40) Benzene	6.78	78	3174634	53.352	ug/l	99
41) Methacrylonitrile	5.93	41	616553	50.220	ug/l #	95
42) 1,2-Dichloroethane	6.88	62	822948	52.839	ug/l	98
43) Isopropyl Acetate	8.33	43	690018	51.211	ug/l #	99
44) Trichloroethene	7.72	130	961330	53.296	ug/l	99
45) 1,2-Dichloropropane	8.09	63	787072	52.448	ug/l	97
46) Dibromomethane	8.19	93	465485	52.961	ug/l	99
47) Bromodichloromethane	8.47	83	1097372	52.984	ug/l	99
48) Methyl methacrylate	8.22	41	420358	51.361	ug/l	96
49) 1,4-Dioxane	8.21	88	77400	1093.009	ug/l	91
51) 4-Methyl-2-Pentanone	9.33	43	2277021	259.647	ug/l	99
52) Toluene	9.53	92	1942632	51.109	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	946128	54.065	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	1205144	53.693	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	555557	50.429	ug/l	98
56) Ethyl methacrylate	10.01	69	549683	54.267	ug/l	98
57) 1,3-Dichloropropane	10.36	76	900466	53.641	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	1572419	256.739	ug/l	100
59) 2-Hexanone	10.47	43	1737356	277.956	ug/l	100
60) Dibromochloromethane	10.63	129	735519	54.924	ug/l	98
61) 1,2-Dibromoethane	10.74	107	580456	52.587	ug/l	99
64) Tetrachloroethene	10.23	164	895376	52.972	ug/l	97
65) Chlorobenzene	11.29	112	2107941	51.383	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	727569	54.204	ug/l	97
67) Ethyl Benzene	11.41	91	3500901	49.886	ug/l	100
68) m/p-Xylenes	11.55	106	2629301	101.567	ug/l	99
69) o-Xylene	11.92	106	1294979	51.779	ug/l	93
70) Styrene	11.94	104	2073142	51.293	ug/l	99
71) Bromoform	12.10	173	490351	54.365	ug/l	99
73) Isopropylbenzene	12.26	105	3483055	48.718	ug/l	99
74) N-amyl acetate	12.12	43	875985	47.791	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	576839	49.334	ug/l	97
76) 1,2,3-Trichloropropane	12.58	75	591911	50.425	ug/l	97
77) Bromobenzene	12.52	156	963505	50.736	ug/l	97
78) n-propylbenzene	12.62	91	4402663	49.336	ug/l	99
79) 2-Chlorotoluene	12.69	91	2435530	49.832	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	2647411	47.648	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	174870	52.326	ug/l	98
82) 4-Chlorotoluene	12.80	91	2659480	48.440	ug/l	89
83) tert-Butylbenzene	13.04	119	3173900	51.453	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	2721420	49.044	ug/l	95
85) sec-Butylbenzene	13.21	105	3756857	49.641	ug/l	94
86) p-Isopropyltoluene	13.33	119	2927589	48.036	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	1716791	50.812	ug/l	96
88) 1,4-Dichlorobenzene	13.38	146	1673237	50.708	ug/l	98
89) n-Butylbenzene	13.64	91	3061991	51.999	ug/l	99
90) Hexachloroethane	13.84	117	750659	51.943	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	1376109	49.586	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	71084	50.364	ug/l	89

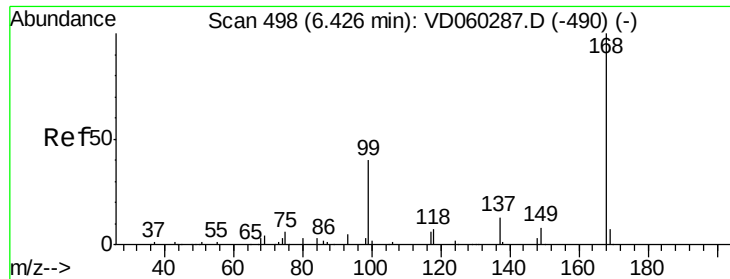
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111418\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1089166	49.500	ug/l	97
94) Hexachlorobutadiene	14.87	225	793841	48.235	ug/l	99
95) Naphthalene	14.96	128	1328075	49.430	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	873107	49.518	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

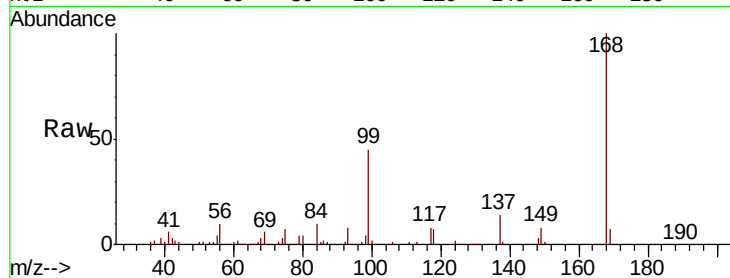
VSTDCCC050

Tot Ion:168 Resp: 1679235

Ion Ratio Lower Upper

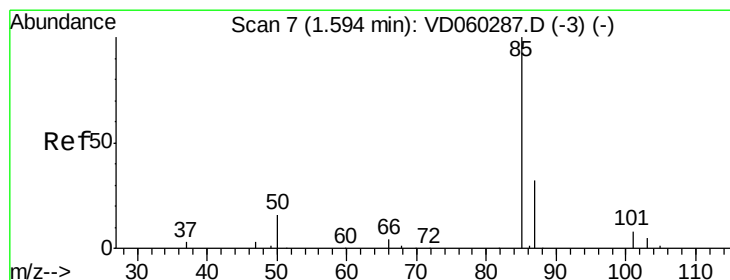
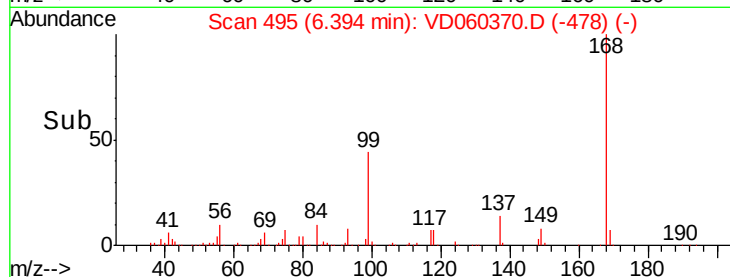
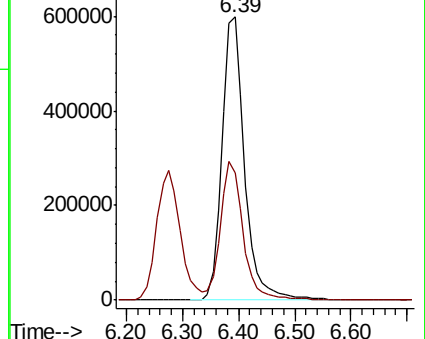
168 100

99 44.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.566 ug/l

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060370.D

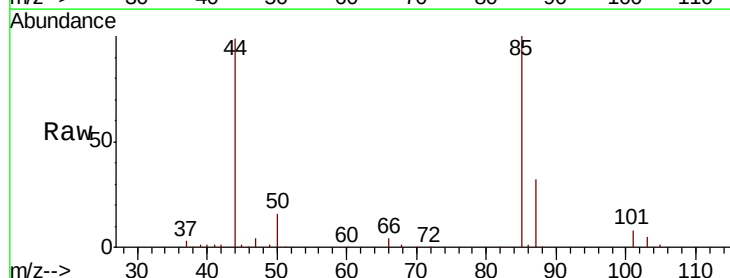
Acq: 14 Nov 2018 10:20

Tgt Ion: 85 Resp: 677311

Ion Ratio Lower Upper

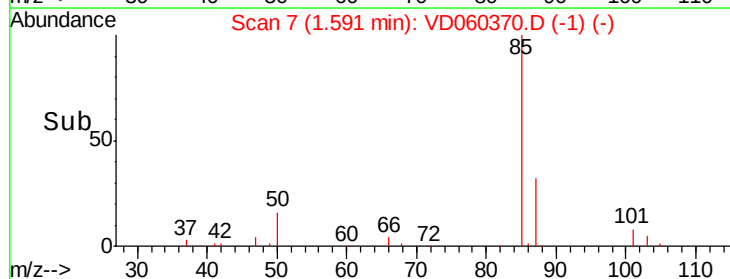
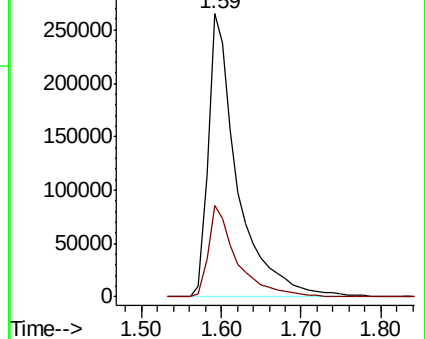
85 100

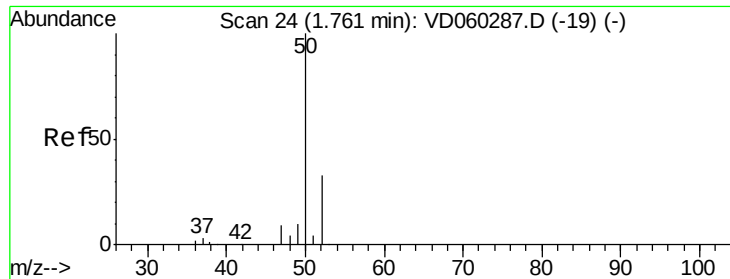
87 32.5 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.143 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

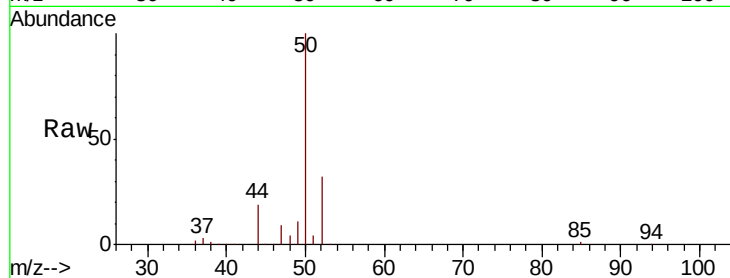
VSTDCCC050

Tot Ion: 50 Resp: 670342

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

250000

200000

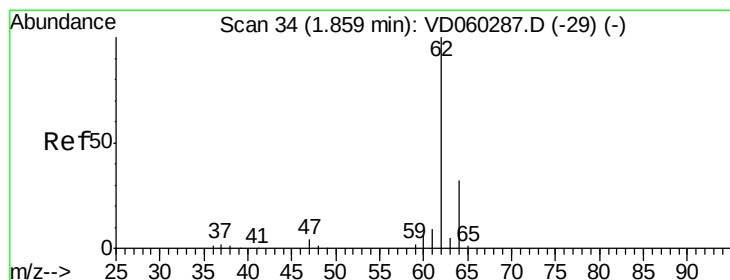
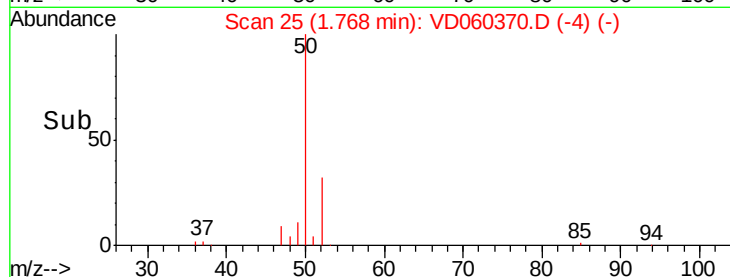
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.058 ug/l

RT: 1.86 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD060370.D

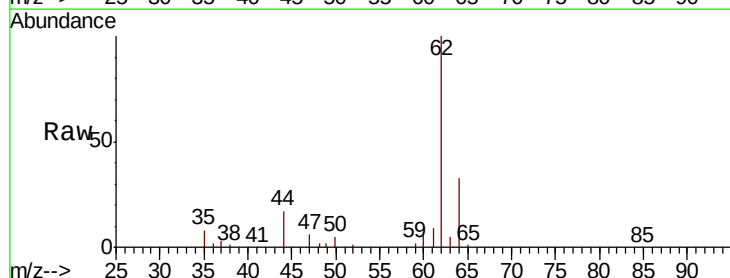
Acq: 14 Nov 2018 10:20

Tgt Ion: 62 Resp: 598293

Ion Ratio Lower Upper

62 100

64 33.3 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

300000

250000

200000

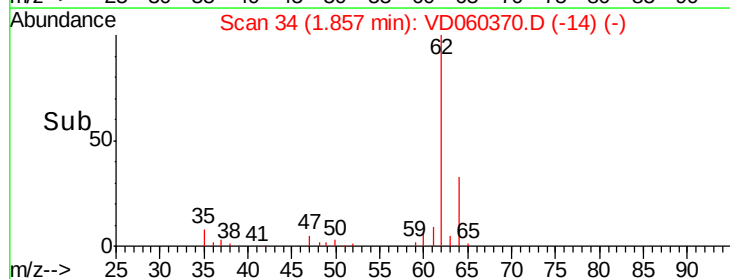
150000

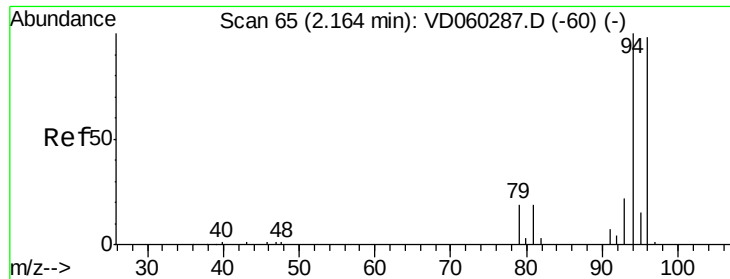
100000

50000

0

Time-->





#5

Bromomethane

Concen: 51.910 ug/l

RT: 2.15 min Scan# 64

Delta R.T. -0.01 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

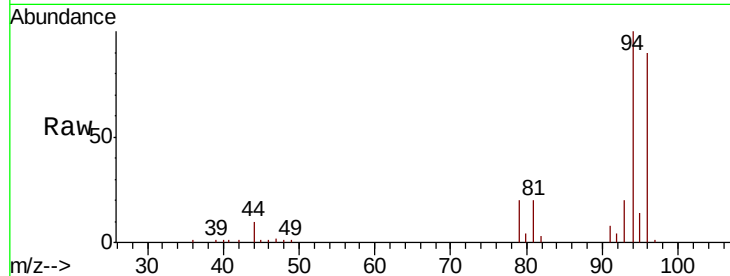
VSTDCCC050

Tot Ion: 94 Resp: 159983

Ion Ratio Lower Upper

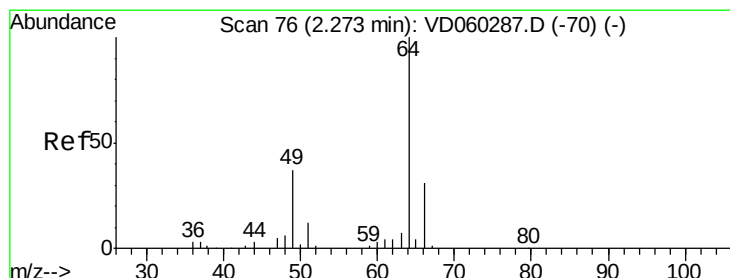
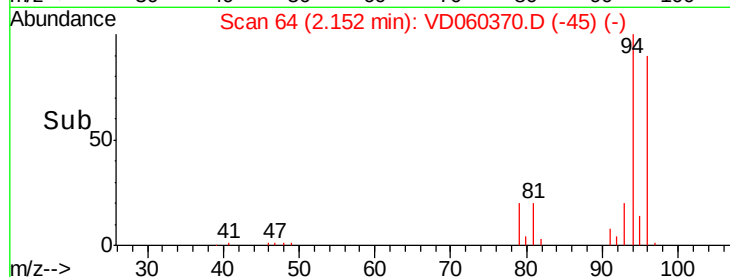
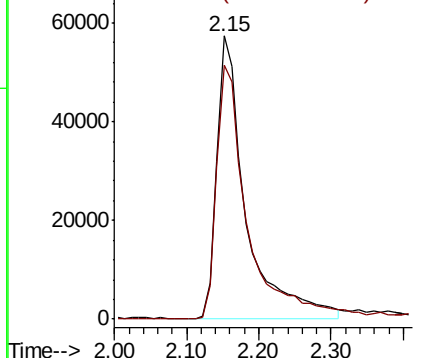
94 100

96 89.9 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.819 ug/l

RT: 2.26 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060370.D

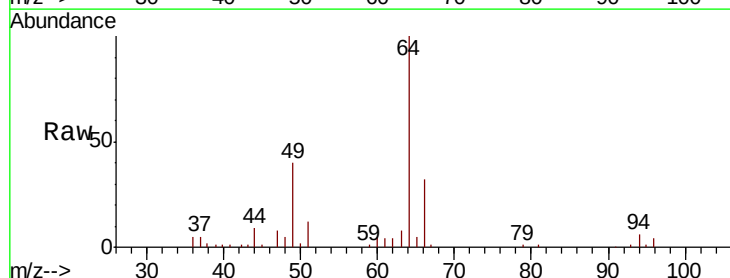
Acq: 14 Nov 2018 10:20

Tgt Ion: 64 Resp: 197489

Ion Ratio Lower Upper

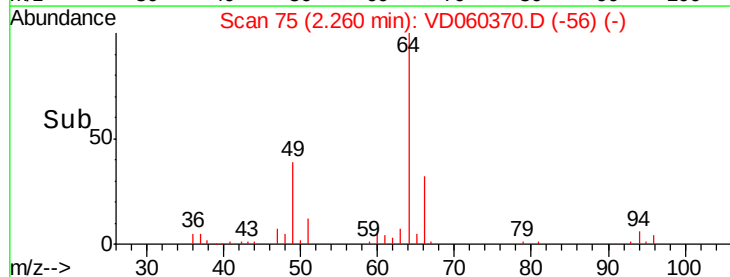
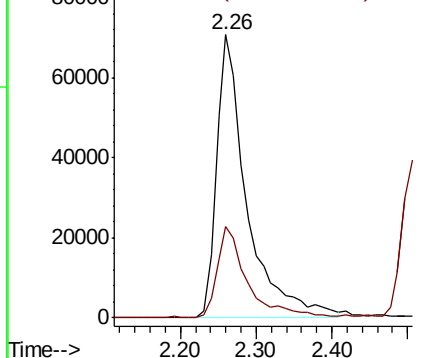
64 100

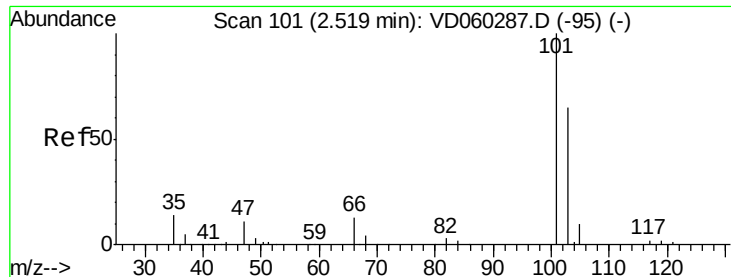
66 32.1 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



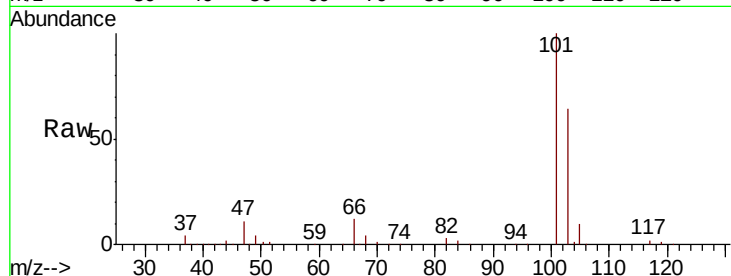


#7

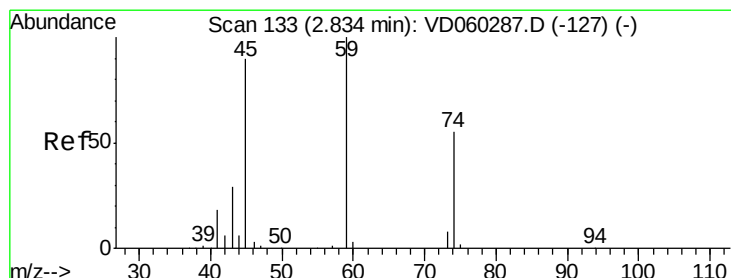
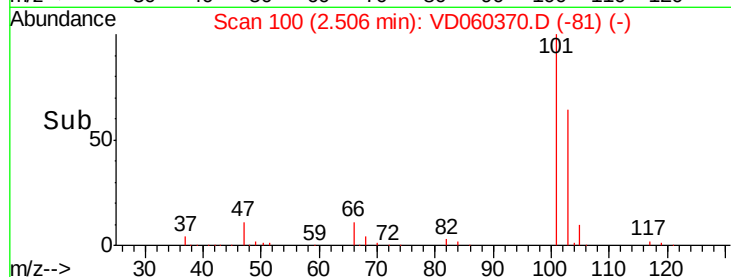
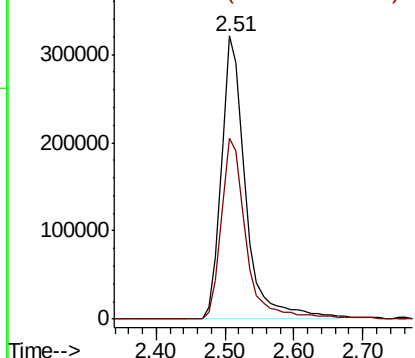
Trichlorofluoromethane
Concen: 51.019 ug/l
RT: 2.51 min Scan# 100
Delta R.T. -0.01 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 781360
Ion Ratio Lower Upper
101 100
103 63.9 53.6 80.4



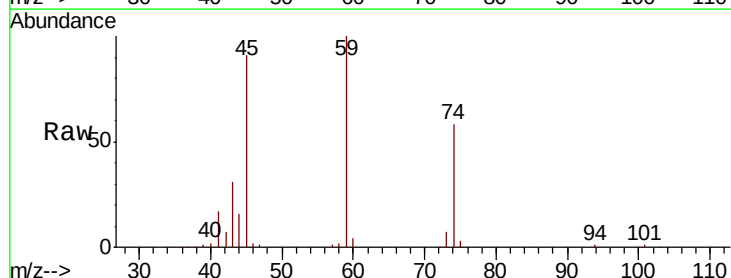
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



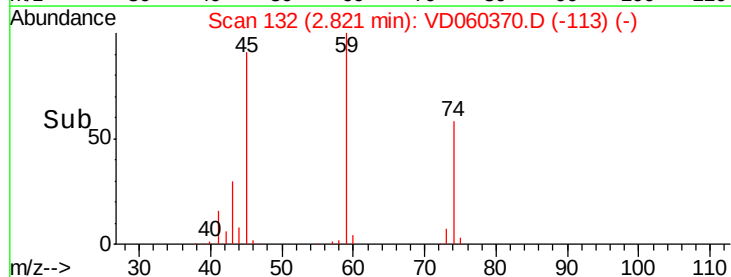
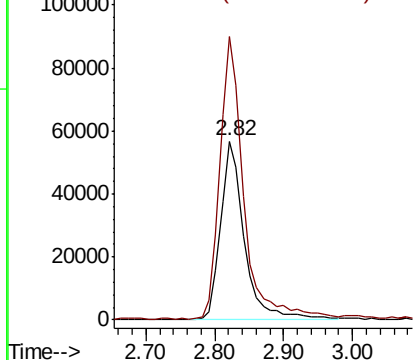
#8

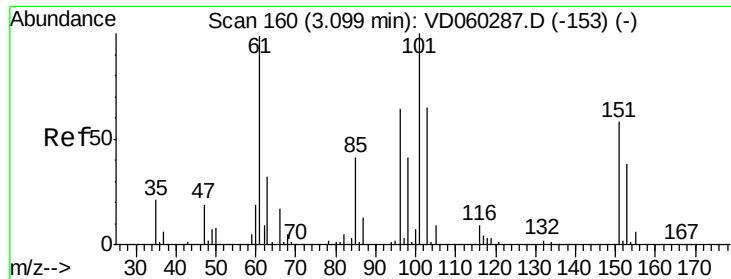
Diethyl Ether
Concen: 49.095 ug/l
RT: 2.82 min Scan# 132
Delta R.T. -0.01 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Tgt Ion: 74 Resp: 136132
Ion Ratio Lower Upper
74 100
45 158.5 84.8 254.4



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: 48.942 ug/l

RT: 3.09 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

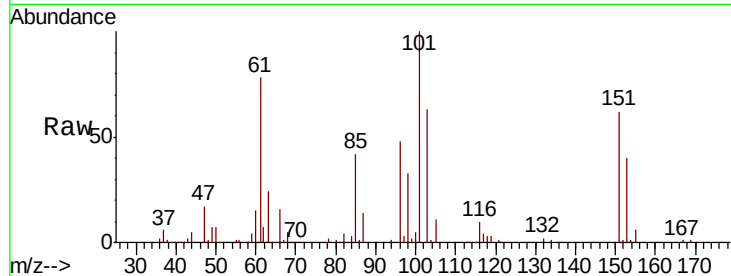
Tot Ion:101 Resp: 492993

Ion Ratio Lower Upper

101 100

85 41.5 31.4 47.0

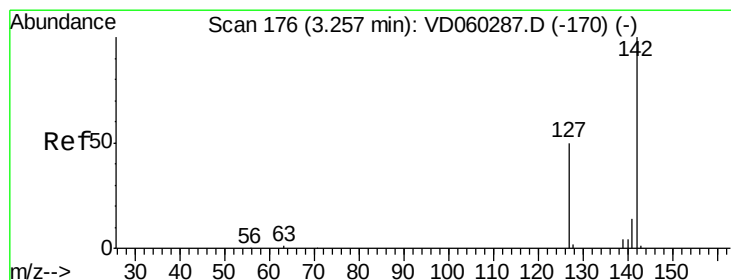
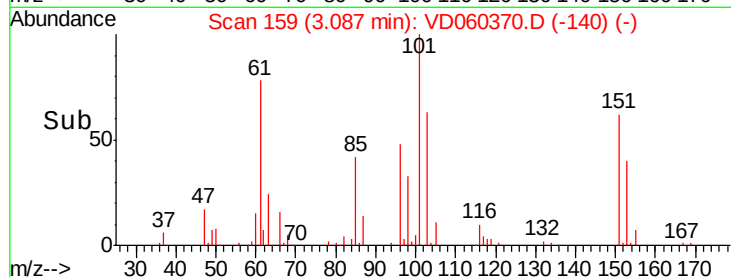
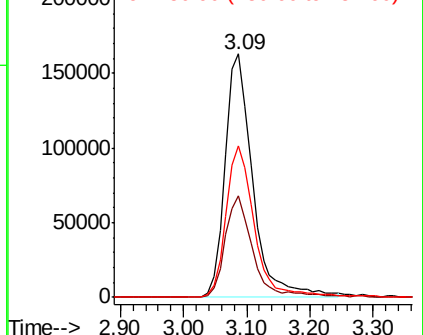
151 62.2 47.4 71.0



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: 45.682 ug/l

RT: 3.24 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

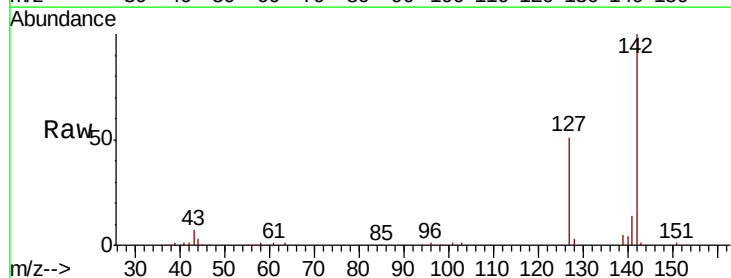
Tgt Ion:142 Resp: 597653

Ion Ratio Lower Upper

142 100

127 50.8 41.0 61.6

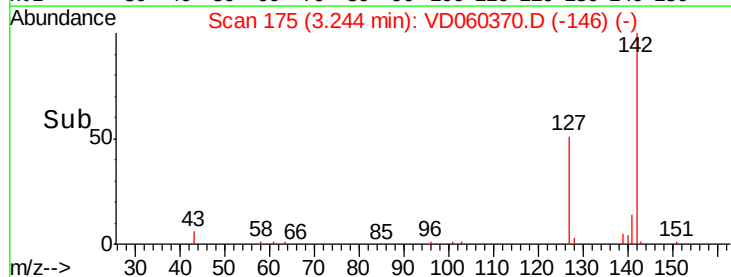
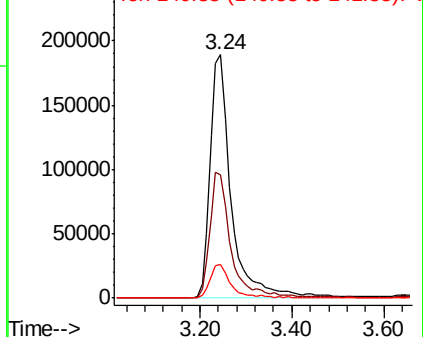
141 14.0 11.9 17.9

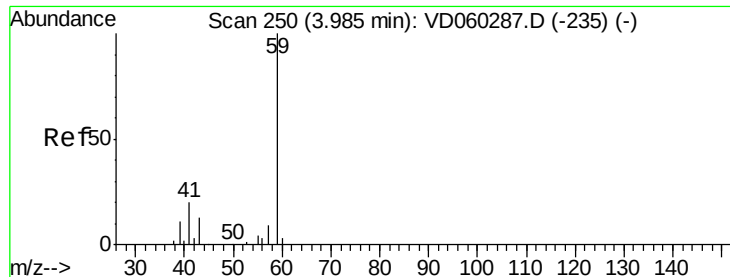


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



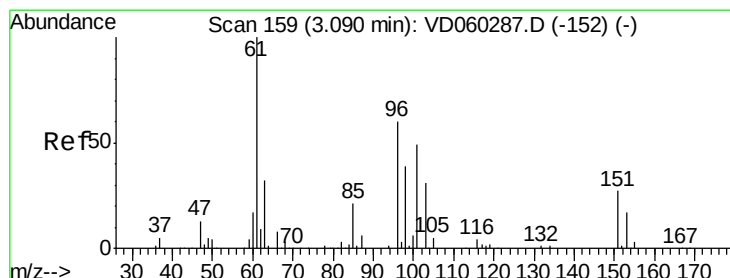
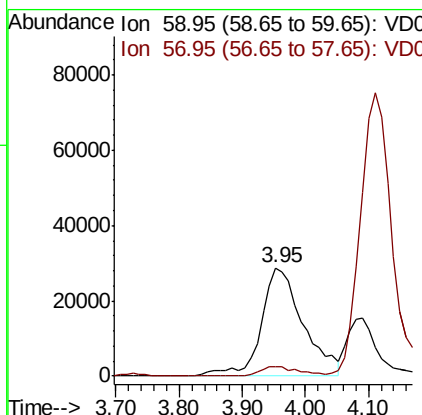
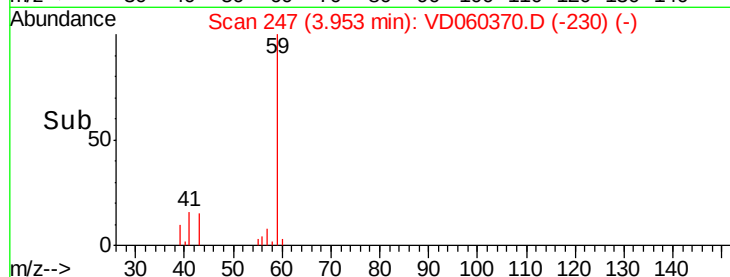
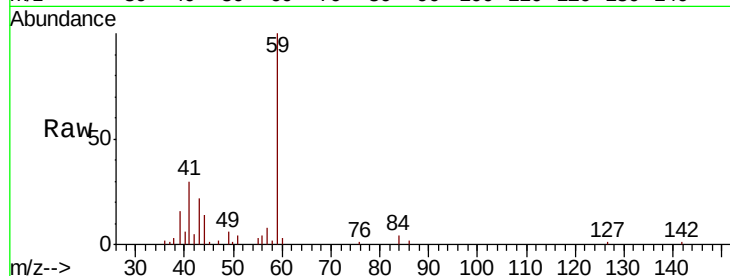


#11

Tert butyl alcohol
 Concen: 269.859 ug/l
 RT: 3.95 min Scan# 247
 Delta R.T. -0.03 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

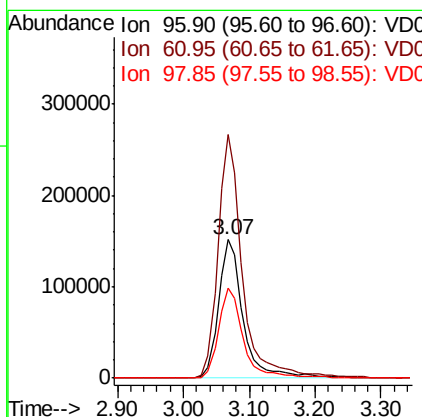
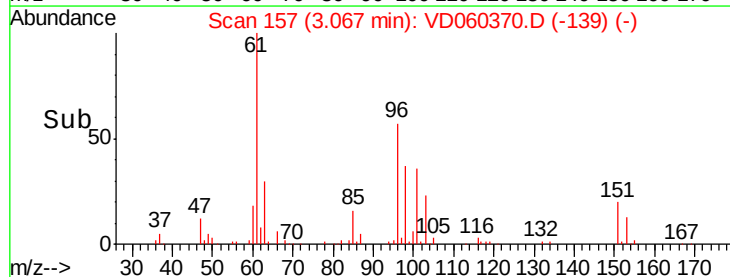
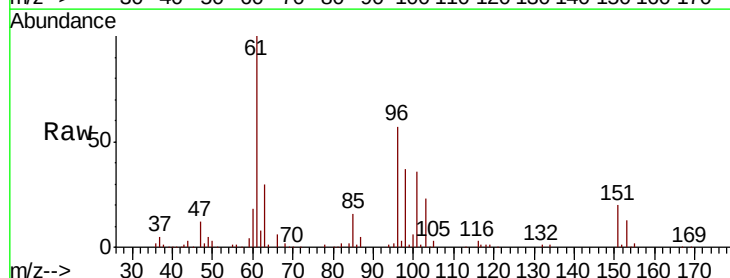
Tot Ion: 59 Resp: 133238
 Ion Ratio Lower Upper
 59 100
 57 8.3 9.3 13.9#

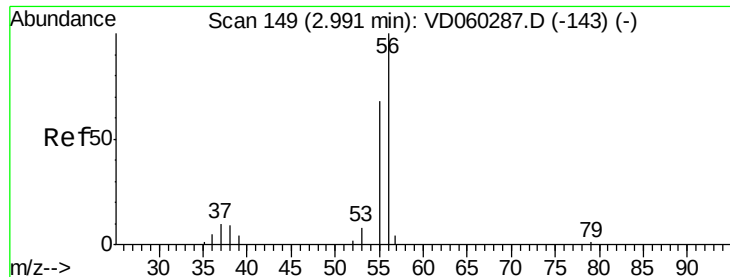


#12

1,1-Dichloroethene
 Concen: 48.252 ug/l
 RT: 3.07 min Scan# 157
 Delta R.T. -0.02 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

Tgt Ion: 96 Resp: 395355
 Ion Ratio Lower Upper
 96 100
 61 176.3 142.2 213.4
 98 65.3 52.6 79.0





#13

Acrolein

Concen: 214.658 ug/l

RT: 2.98 min Scan# 148

Delta R.T. -0.01 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

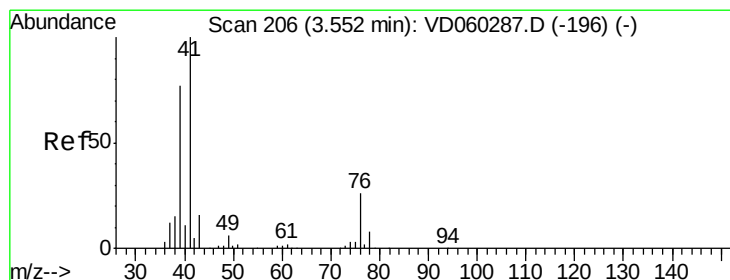
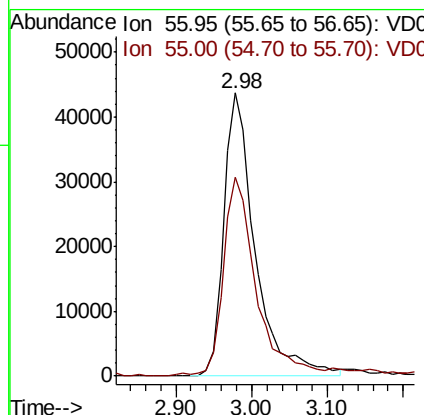
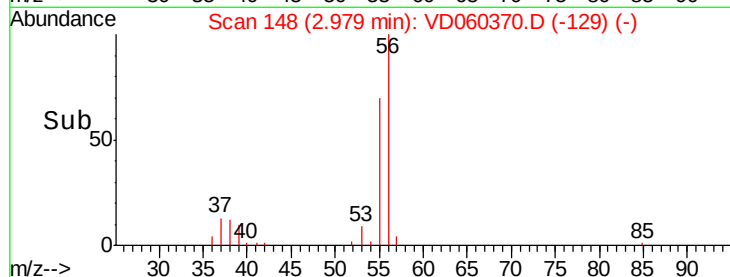
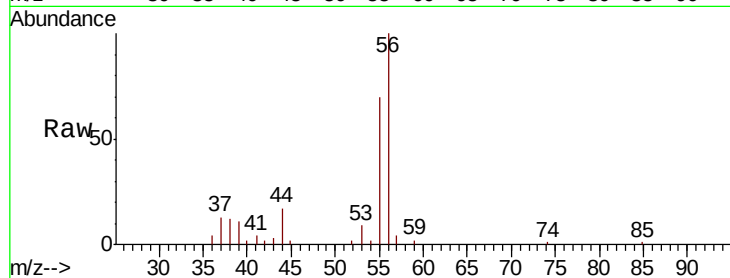
VSTDCCC050

Tot Ion: 56 Resp: 125231

Ion Ratio Lower Upper

56 100

55 70.5 57.0 85.6



#14

Allyl chloride

Concen: 48.277 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

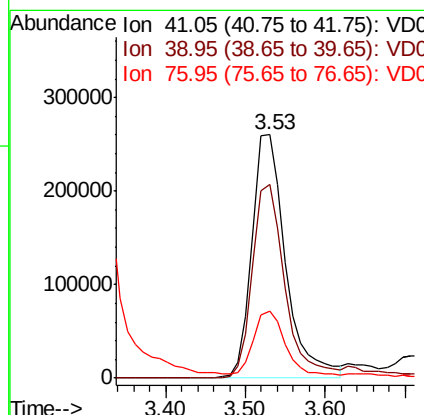
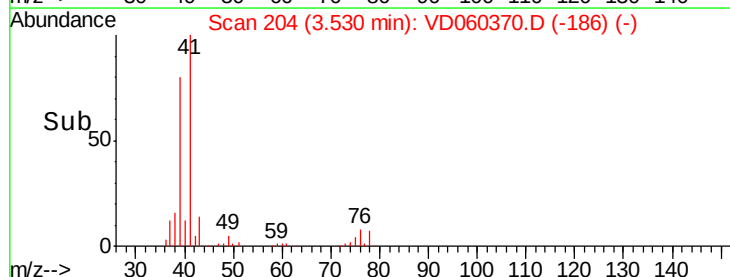
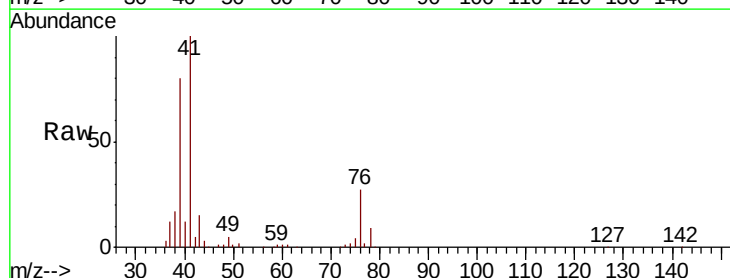
Tgt Ion: 41 Resp: 756869

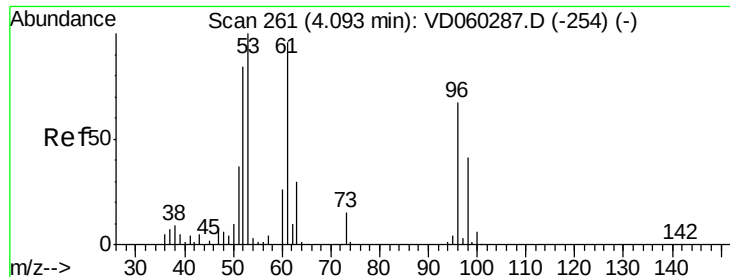
Ion Ratio Lower Upper

41 100

39 79.7 60.4 90.6

76 27.5 21.8 32.8





#15

Acrylonitrile

Concen: 255.311 ug/l

RT: 4.07 min Scan# 259

Delta R.T. -0.02 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

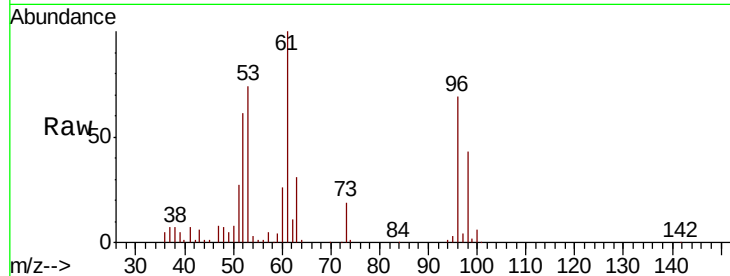
Tot Ion: 53 Resp: 735087

Ion Ratio Lower Upper

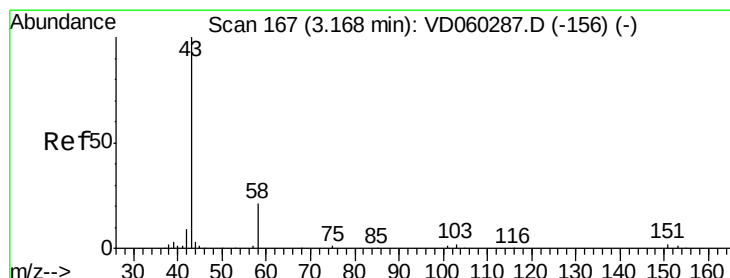
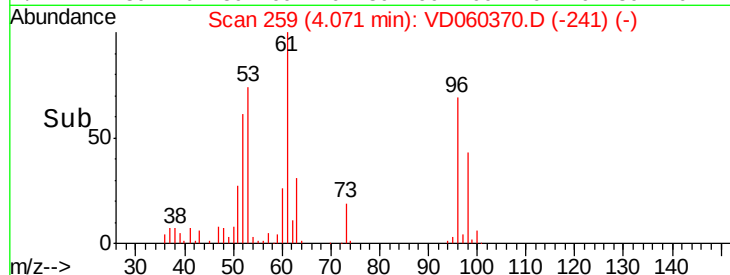
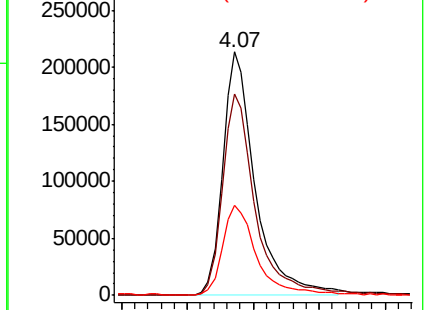
53 100

52 82.9 67.0 100.4

51 36.9 29.9 44.9



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: 263.046 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060370.D

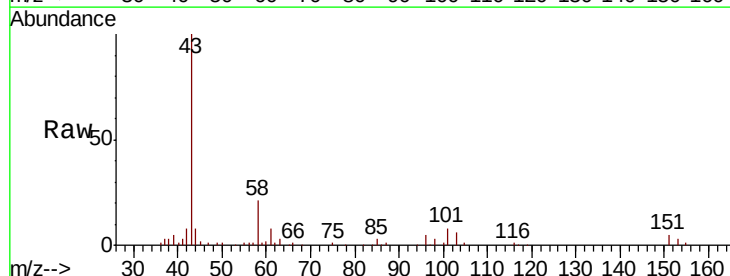
Acq: 14 Nov 2018 10:20

Tgt Ion: 43 Resp: 548615

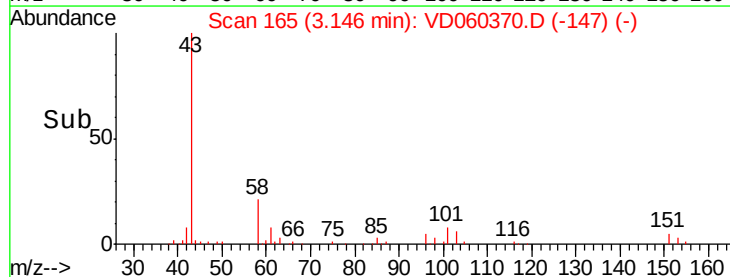
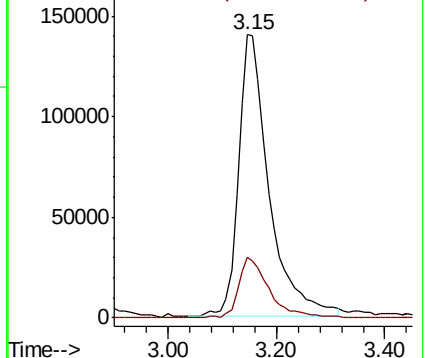
Ion Ratio Lower Upper

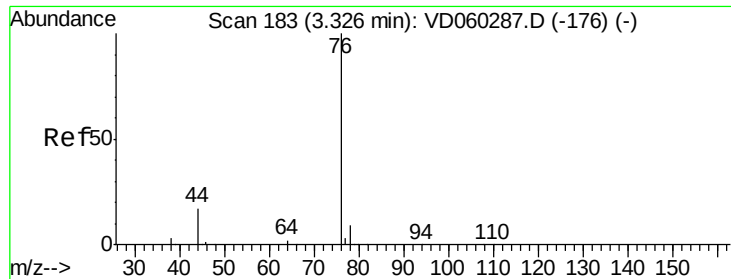
43 100

58 21.4 16.9 25.3



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

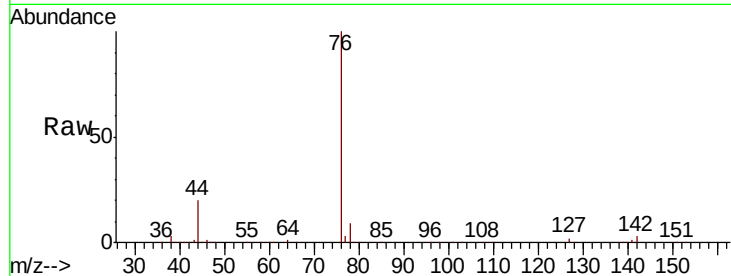




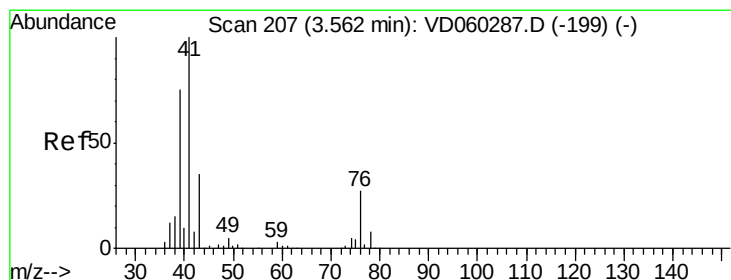
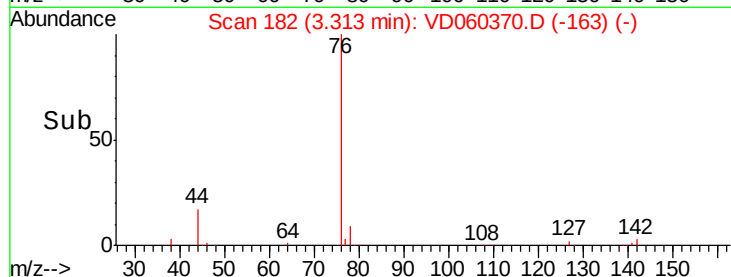
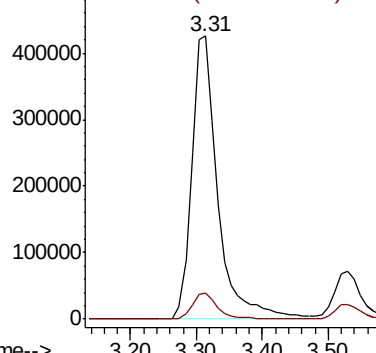
#17
Carbon Disulfide
Concen: 44.437 ug/l
RT: 3.31 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1175229
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4

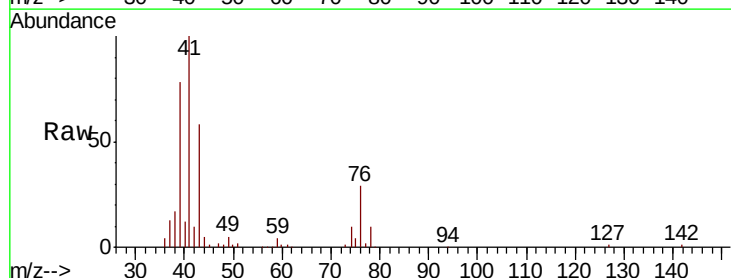


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

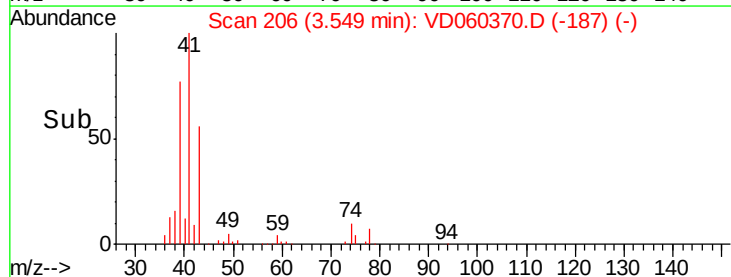
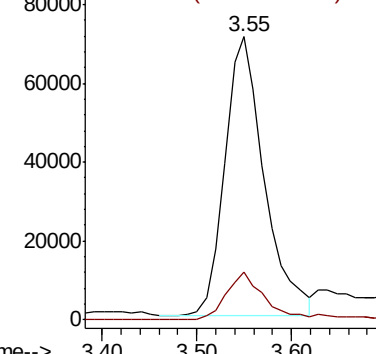


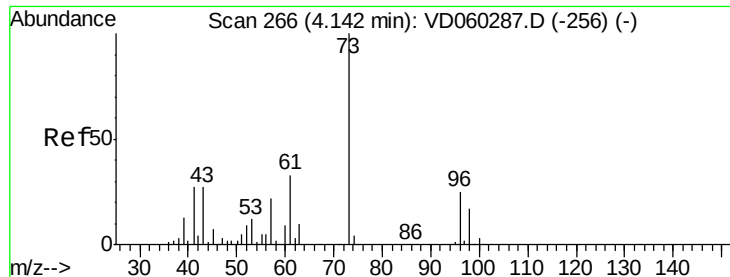
#18
Methyl Acetate
Concen: 46.172 ug/l
RT: 3.55 min Scan# 206
Delta R.T. -0.01 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Tgt Ion: 43 Resp: 205330
Ion Ratio Lower Upper
43 100
74 17.1 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

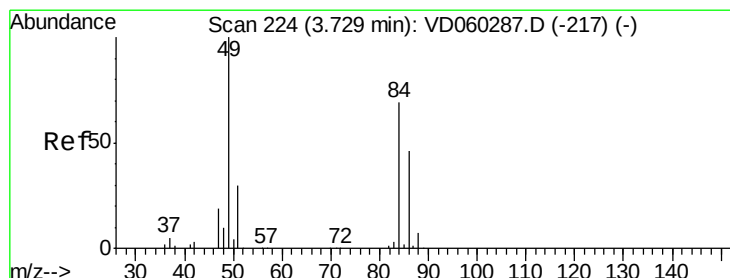
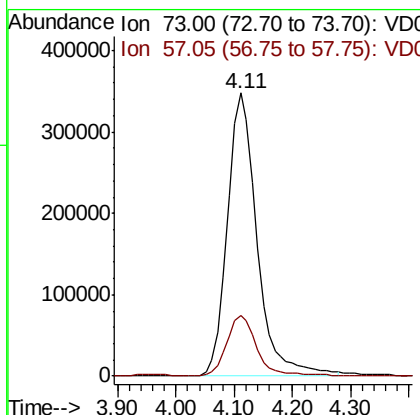
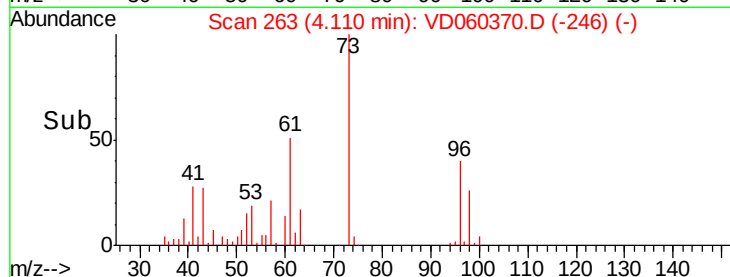
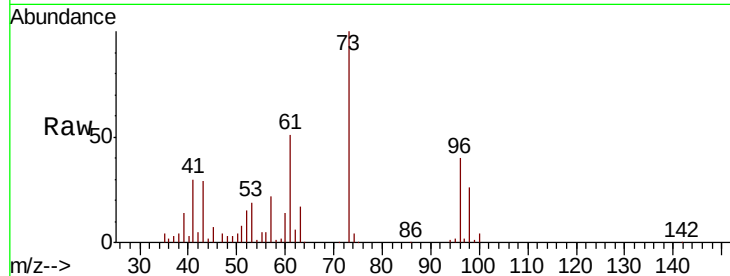




#19
Methyl tert-butyl Ether
Concen: 50.082 ug/l
RT: 4.11 min Scan# 263
Delta R.T. -0.03 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

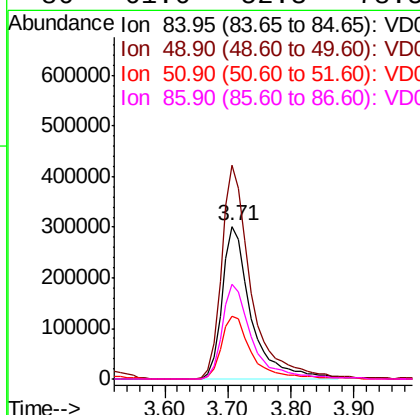
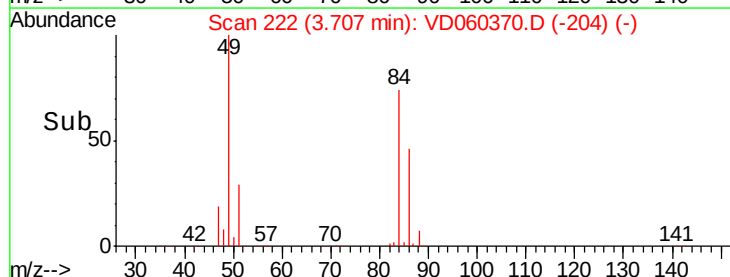
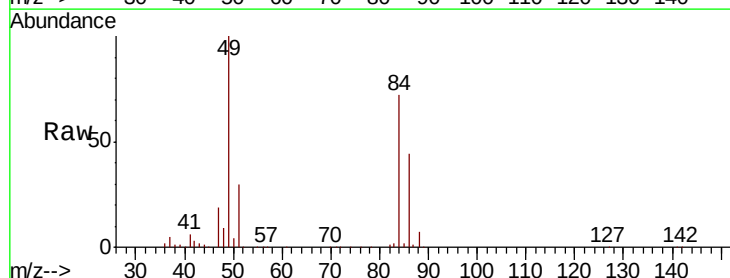
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

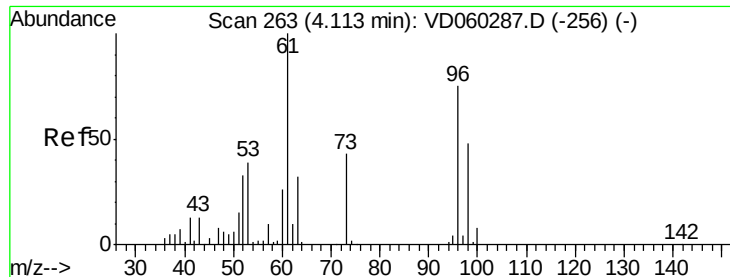
Tot Ion: 73 Resp: 1228750
Ion Ratio Lower Upper
73 100
57 21.6 18.1 27.1



#20
Methylene Chloride
Concen: 52.038 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Tgt Ion: 84 Resp: 962758
Ion Ratio Lower Upper
84 100
49 139.8 115.6 173.4
51 41.4 35.6 53.4
86 61.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 50.371 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.02 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

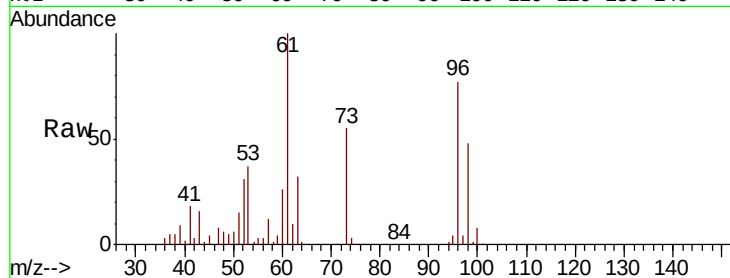
Tot Ion: 96 Resp: 916385

Ion Ratio Lower Upper

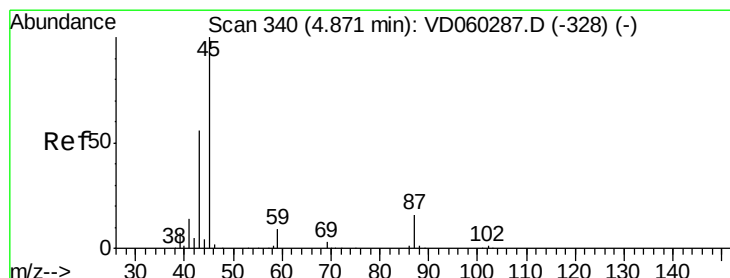
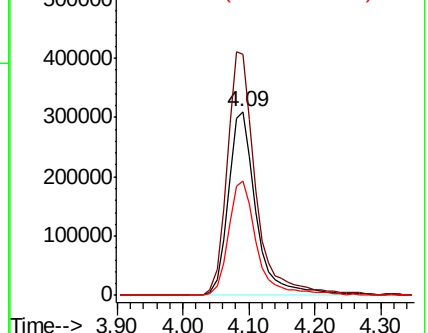
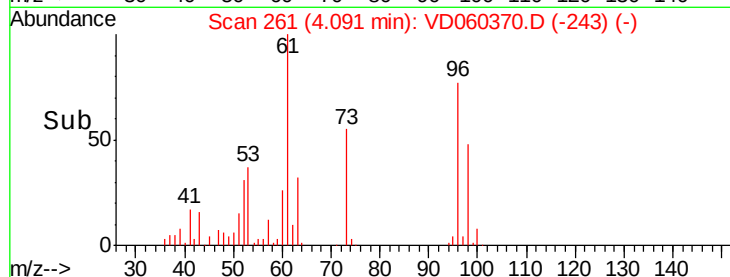
96 100

61 130.7 105.8 158.6

98 62.2 50.8 76.2



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



#22

Diisopropyl ether

Concen: 51.017 ug/l

RT: 4.84 min Scan# 337

Delta R.T. -0.03 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Tgt Ion: 45 Resp: 2988150

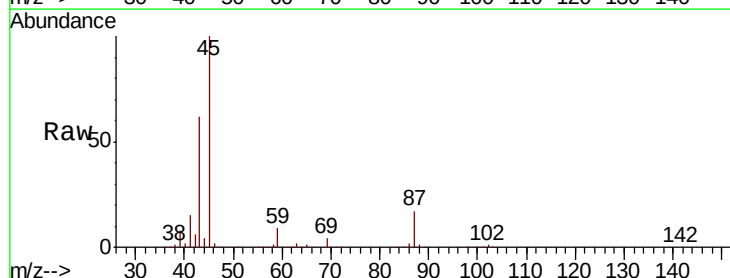
Ion Ratio Lower Upper

45 100

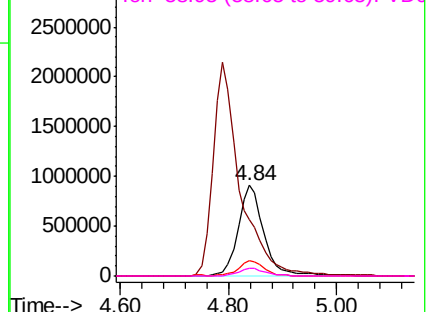
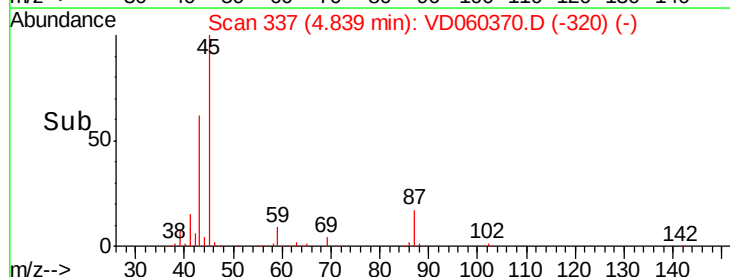
43 62.0 44.9 67.3

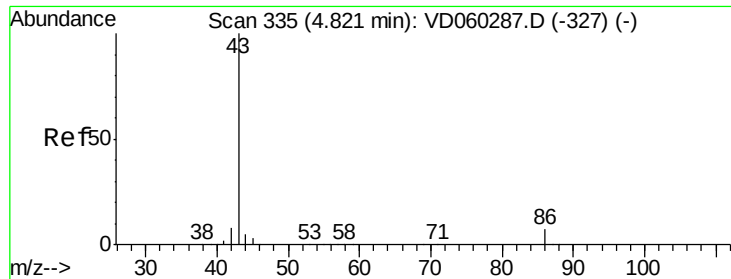
87 17.4 13.9 20.9

59 9.1 7.0 10.6



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

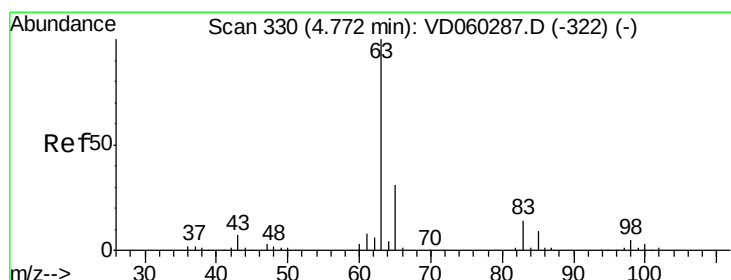
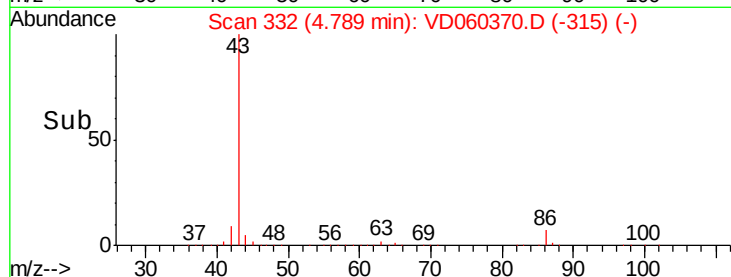
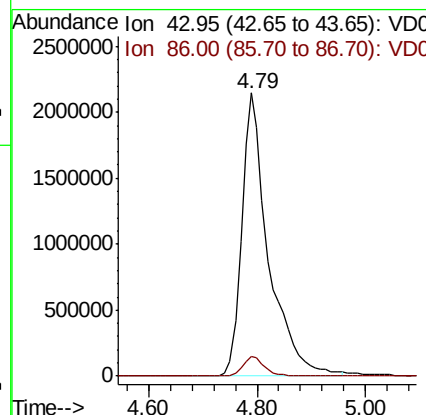
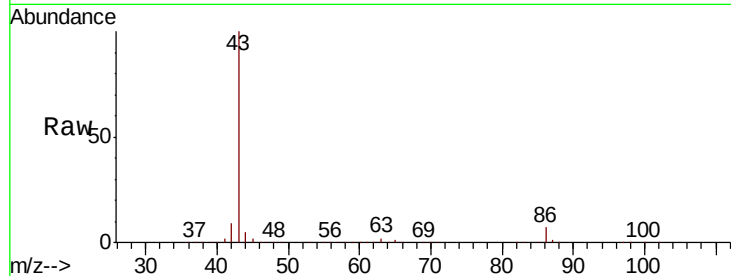




#23
 Vinyl Acetate
 Concen: 252.722 ug/l
 RT: 4.79 min Scan# 332
 Delta R.T. -0.03 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

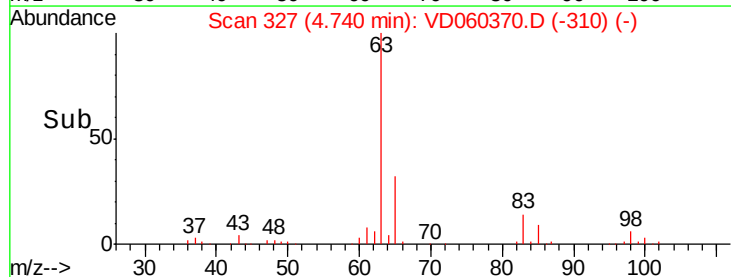
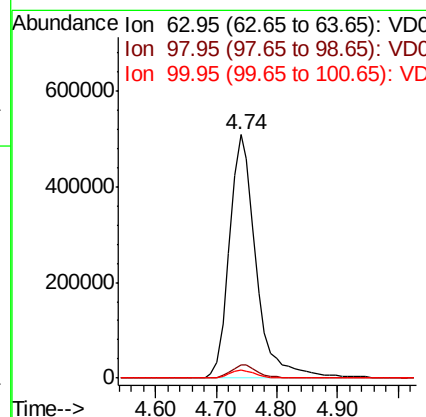
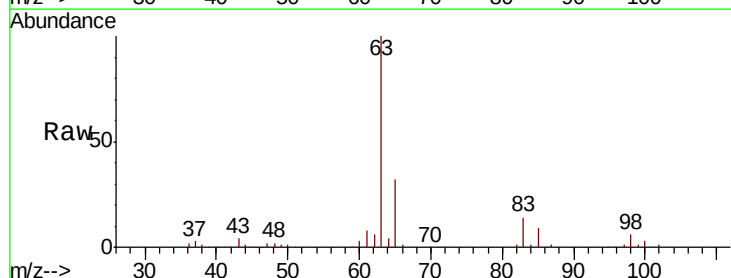
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

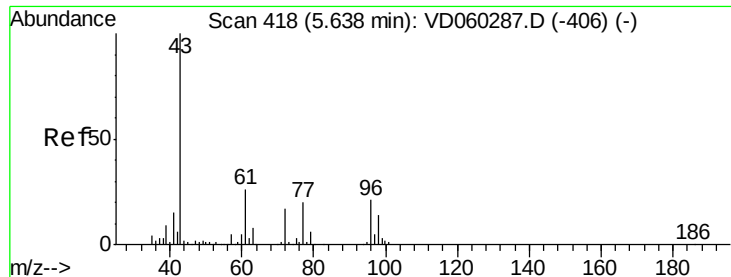
Tot Ion: 43 Resp: 7365445
 Ion Ratio Lower Upper
 43 100
 86 6.9 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 51.697 ug/l
 RT: 4.74 min Scan# 327
 Delta R.T. -0.03 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

Tgt Ion: 63 Resp: 1552736
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.4
 100 3.4 1.8 5.5





#25

2-Butanone

Concen: 263.696 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.03 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

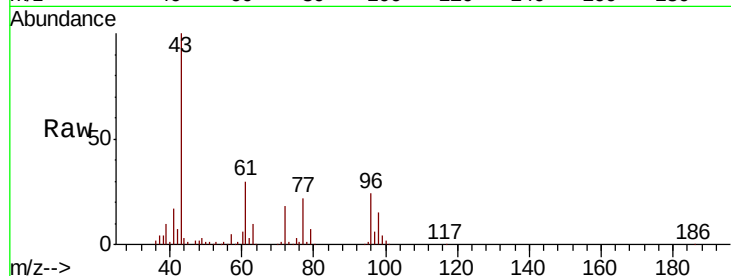
VSTDCCC050

Tot Ion: 43 Resp: 1143145

Ion Ratio Lower Upper

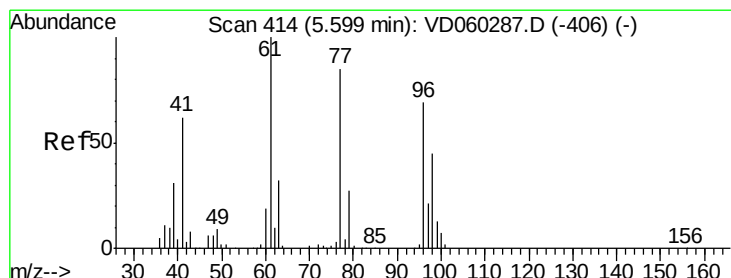
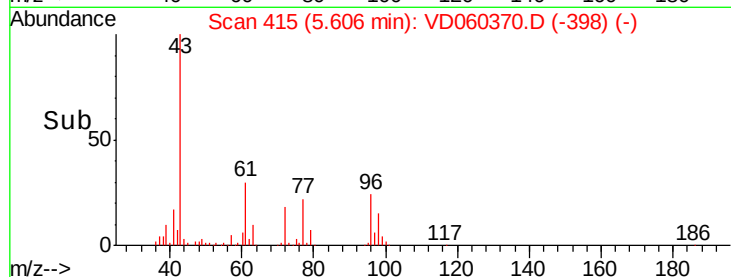
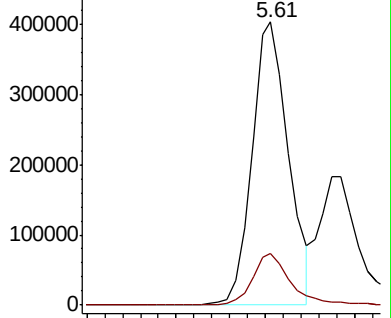
43 100

72 18.1 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.273 ug/l

RT: 5.57 min Scan# 411

Delta R.T. -0.03 min

Lab File: VD060370.D

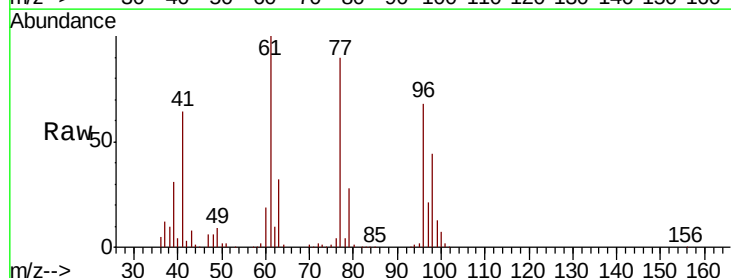
Acq: 14 Nov 2018 10:20

Tgt Ion: 77 Resp: 1267348

Ion Ratio Lower Upper

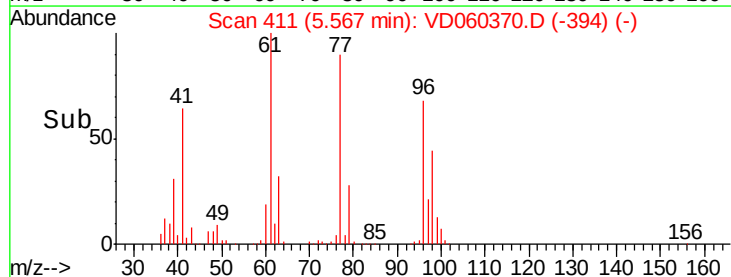
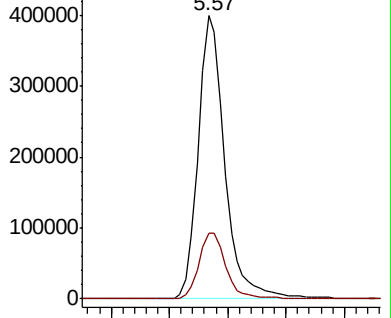
77 100

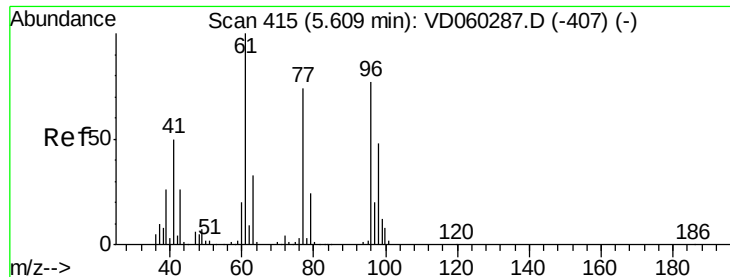
97 23.2 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



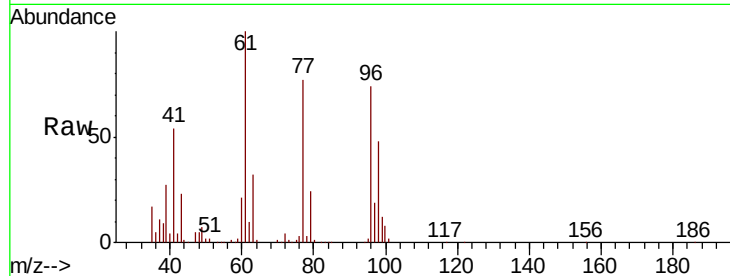


#27

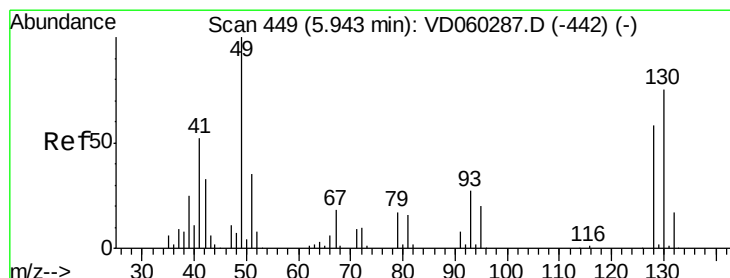
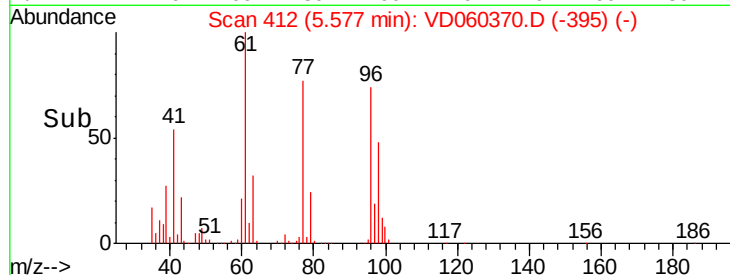
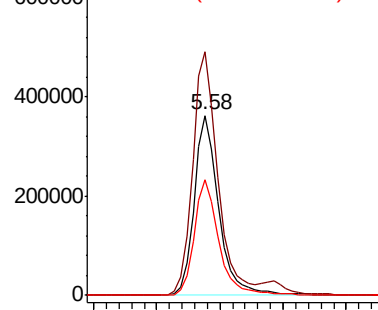
cis-1,2-Dichloroethene
Concen: 51.784 ug/l
RT: 5.58 min Scan# 412
Delta R.T. -0.03 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 981453
Ion Ratio Lower Upper
96 100
61 135.4 0.0 259.0
98 64.4 0.0 128.8



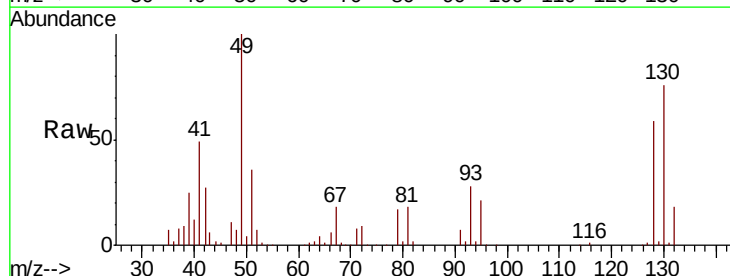
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



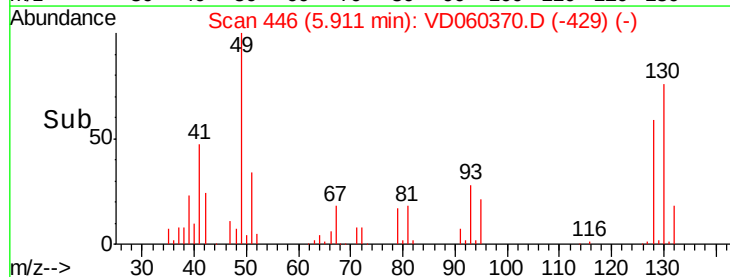
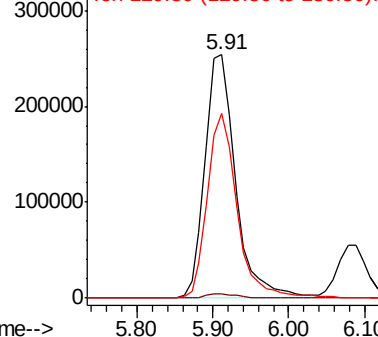
#28

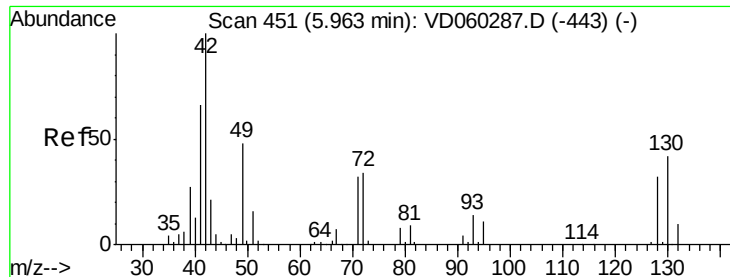
Bromochloromethane
Concen: 53.521 ug/l
RT: 5.91 min Scan# 446
Delta R.T. -0.03 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Tgt Ion: 49 Resp: 709293
Ion Ratio Lower Upper
49 100
129 1.7 0.0 2.8
130 75.9 53.6 80.4



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: 249.147 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.03 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

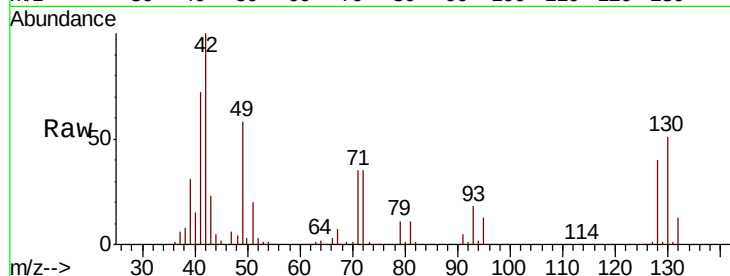
Tot Ion: 42 Resp: 569446

Ion Ratio Lower Upper

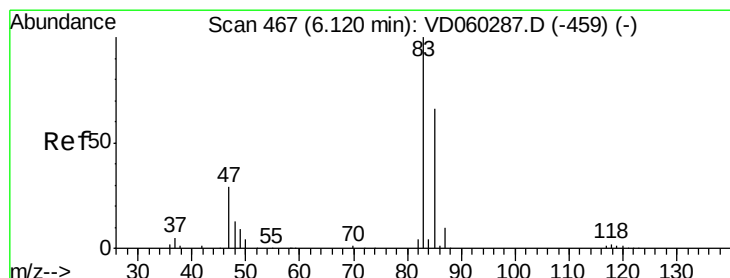
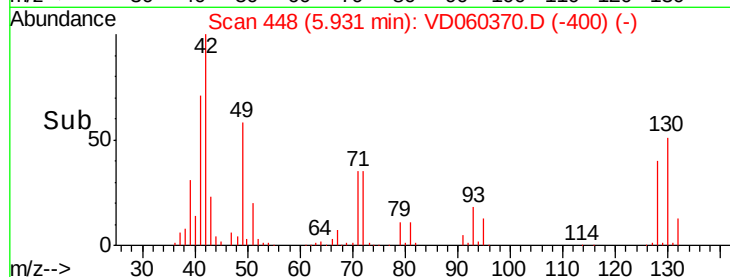
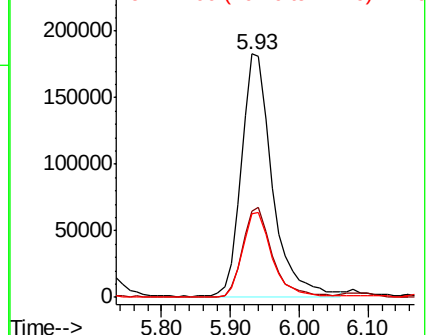
42 100

72 35.8 27.6 41.4

71 34.2 26.5 39.7



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



#30

Chloroform

Concen: 52.763 ug/l

RT: 6.09 min Scan# 464

Delta R.T. -0.03 min

Lab File: VD060370.D

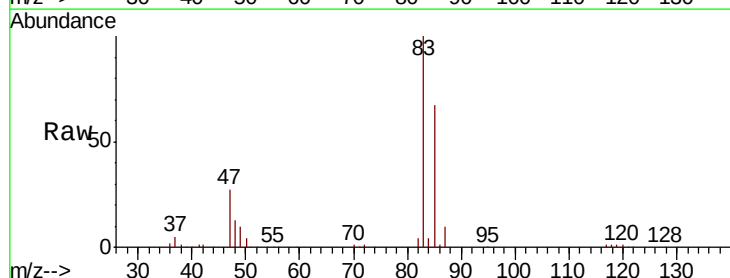
Acq: 14 Nov 2018 10:20

Tgt Ion: 83 Resp: 1584302

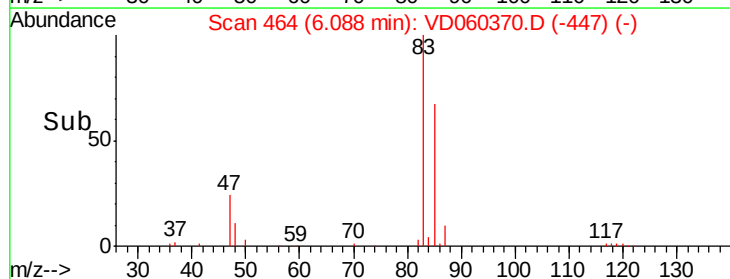
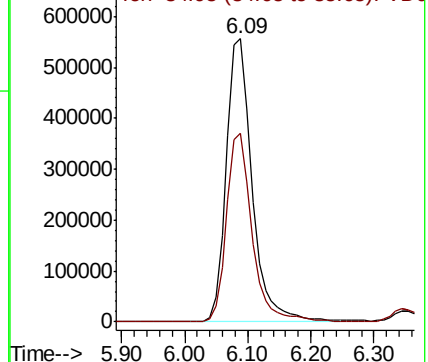
Ion Ratio Lower Upper

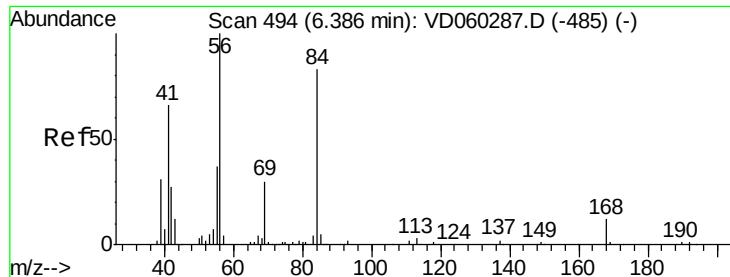
83 100

85 66.6 52.5 78.7



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

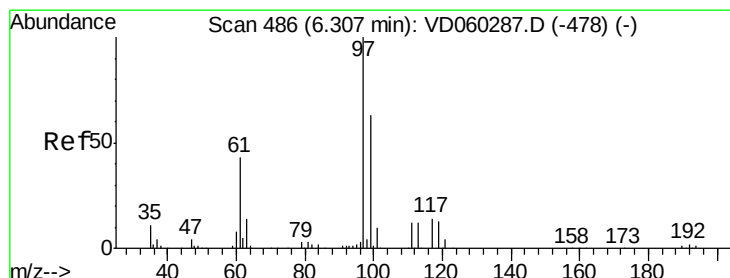
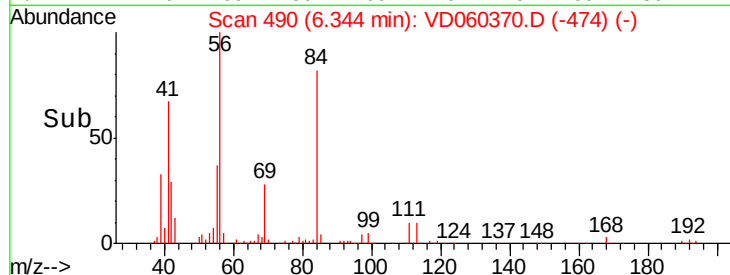
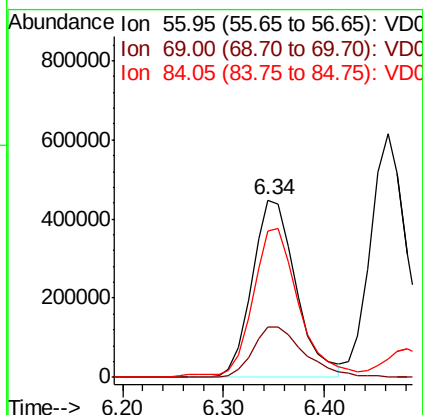
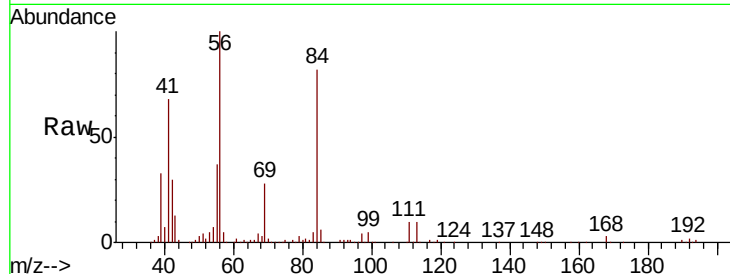




#31
Cyclohexane
Concen: 47.302 ug/l
RT: 6.34 min Scan# 490
Delta R.T. -0.04 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

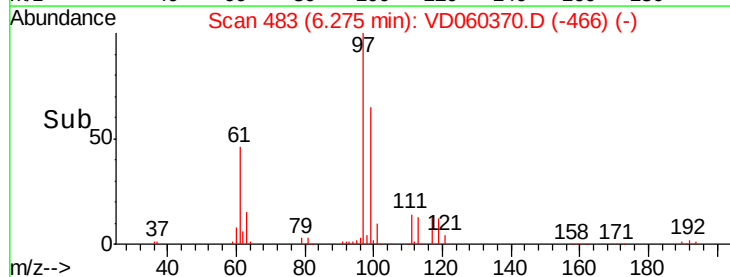
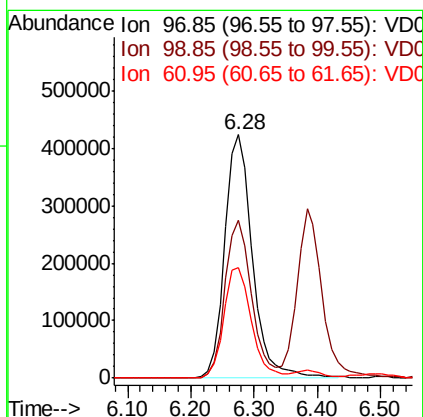
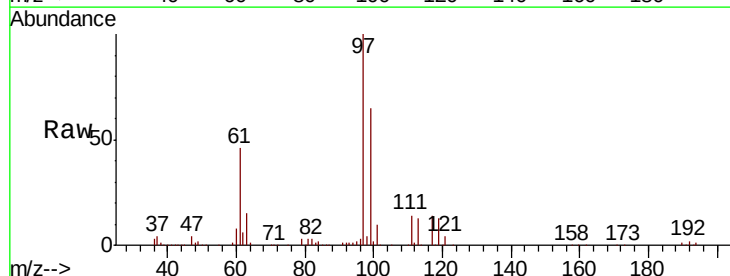
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

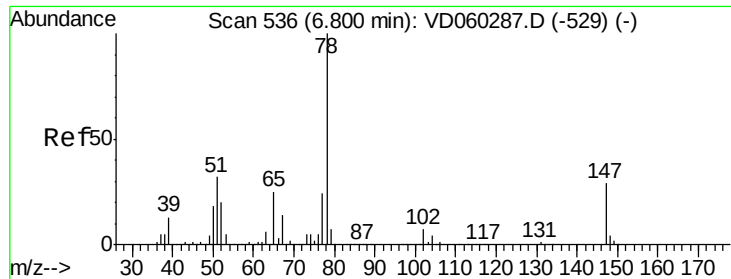
Tot Ion: 56 Resp: 1357919
Ion Ratio Lower Upper
56 100
69 28.2 22.2 33.2
84 82.4 63.0 94.4



#32
1,1,1-Trichloroethane
Concen: 50.867 ug/l
RT: 6.28 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Tgt Ion: 97 Resp: 1286566
Ion Ratio Lower Upper
97 100
99 64.6 51.5 77.3
61 45.6 35.8 53.8

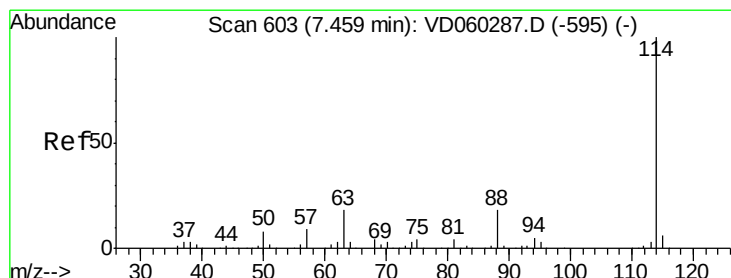
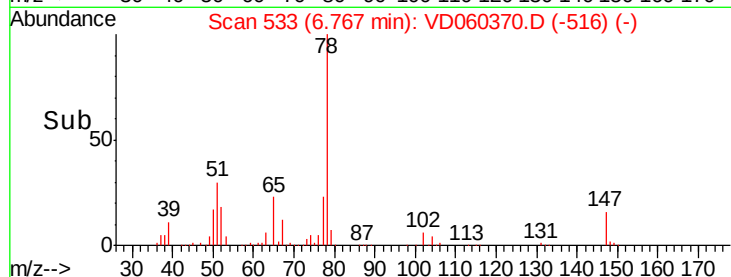
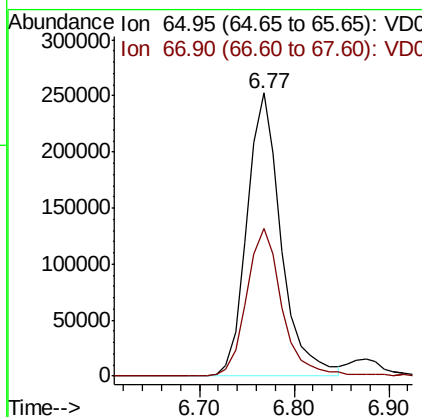
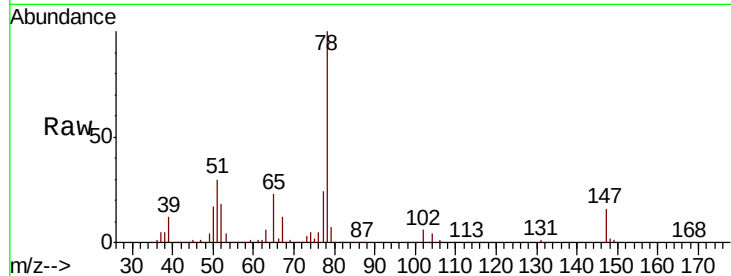




#33
 1,2-Dichloroethane-d4
 Concen: 50.867 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. -0.03 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

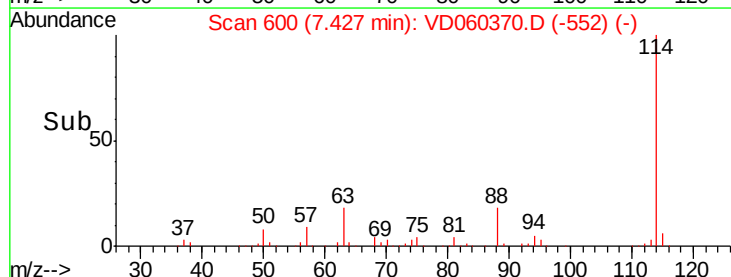
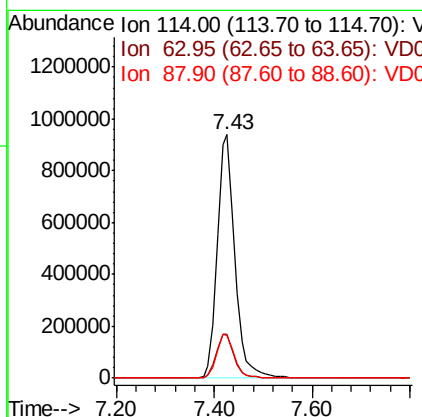
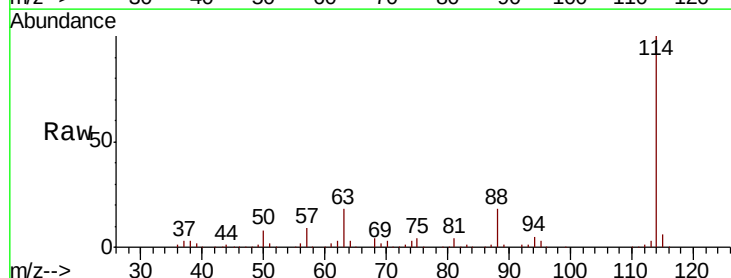
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

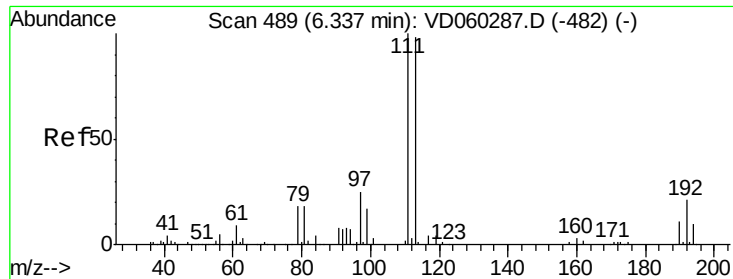
Tot Ion: 65 Resp: 632325
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

Tgt Ion: 114 Resp: 2359477
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 34.0
 88 17.7 0.0 35.4

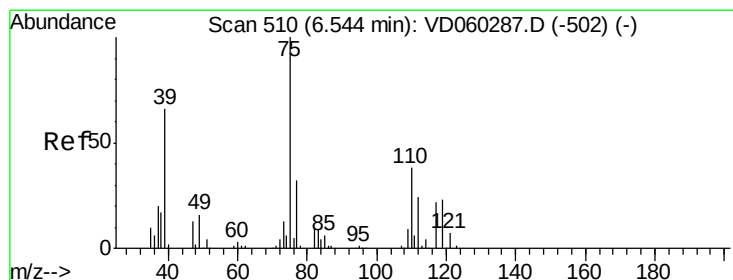
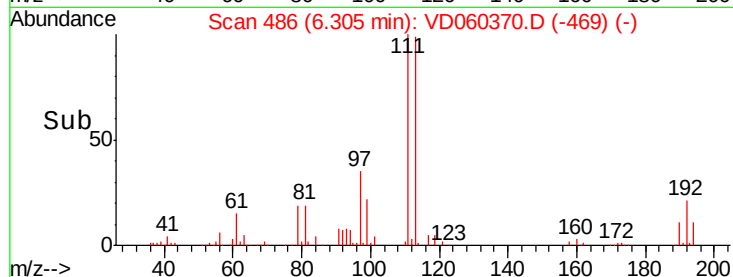
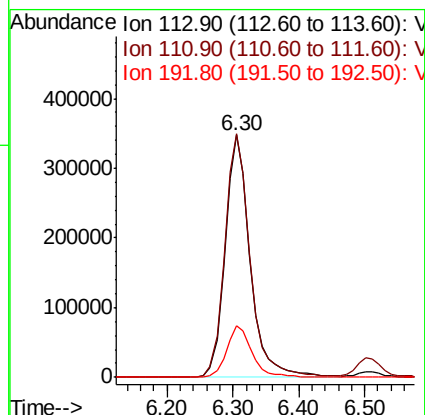
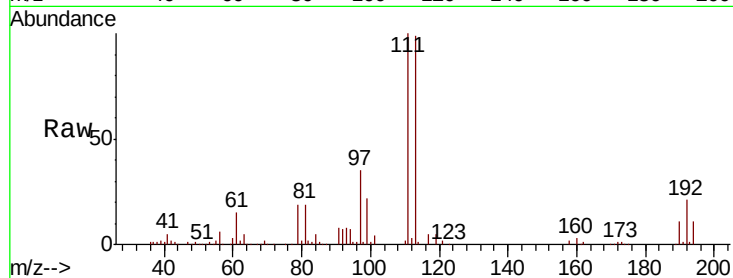




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

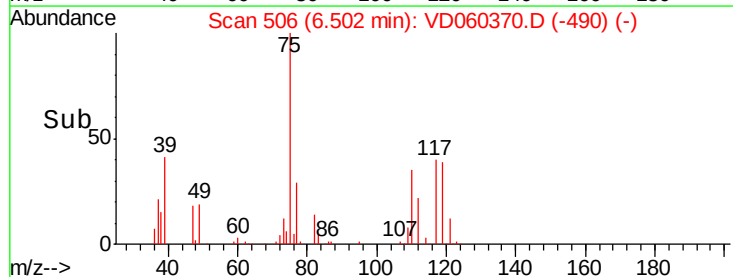
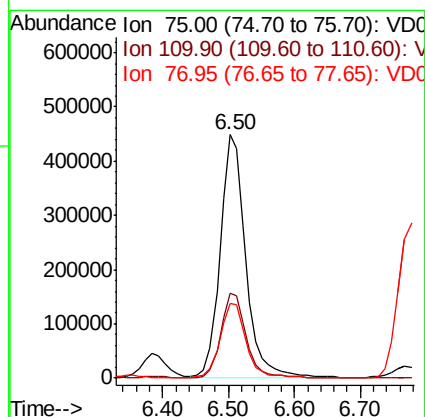
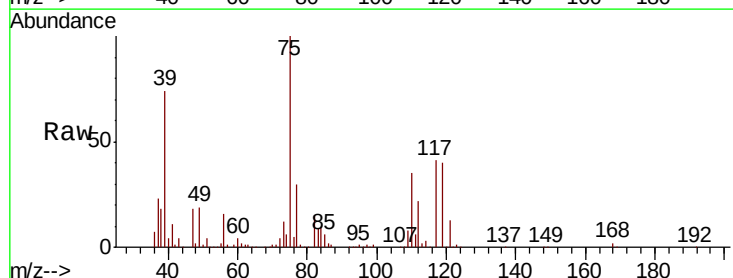
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

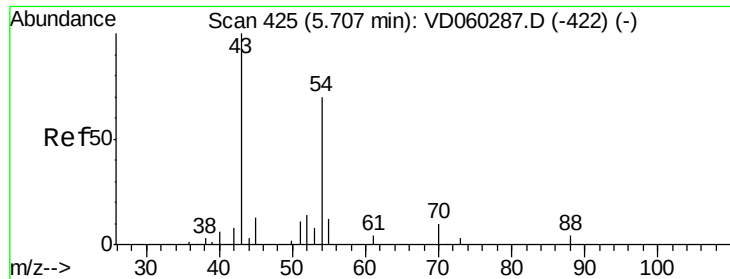
Tot Ion:113 Resp: 919573
 Ion Ratio Lower Upper
 113 100
 111 100.6 81.6 122.4
 192 21.6 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 51.110 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. -0.04 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

Tgt Ion: 75 Resp: 1191414
 Ion Ratio Lower Upper
 75 100
 110 34.7 18.0 54.0
 77 30.5 25.6 38.4

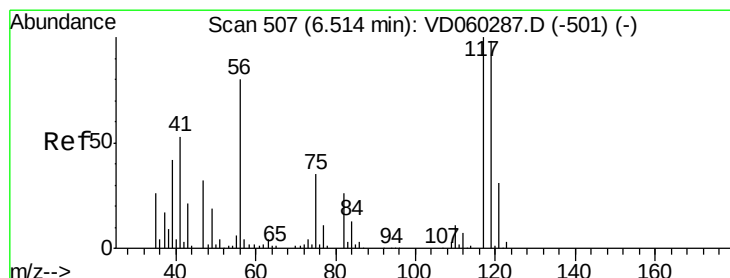
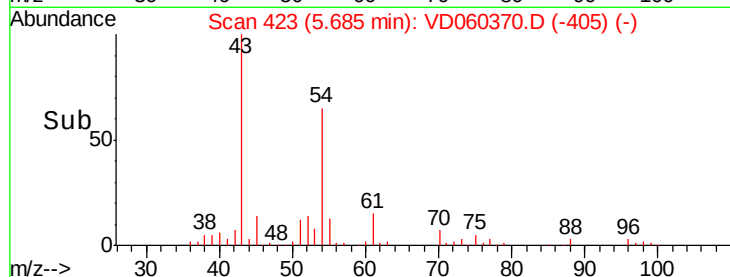
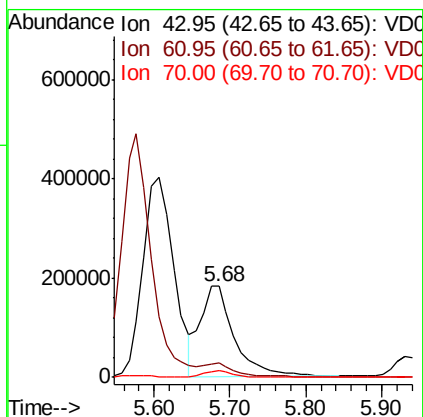
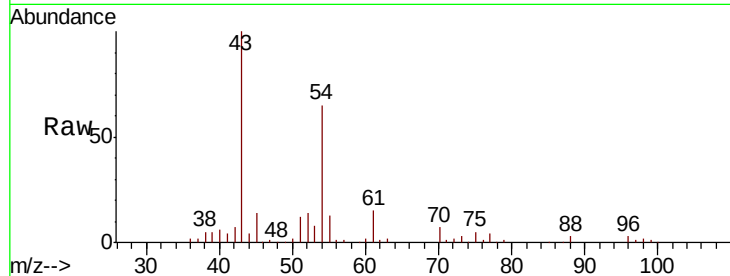




#37
Ethyl Acetate
Concen: 52.113 ug/l
RT: 5.68 min Scan# 423
Delta R.T. -0.02 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

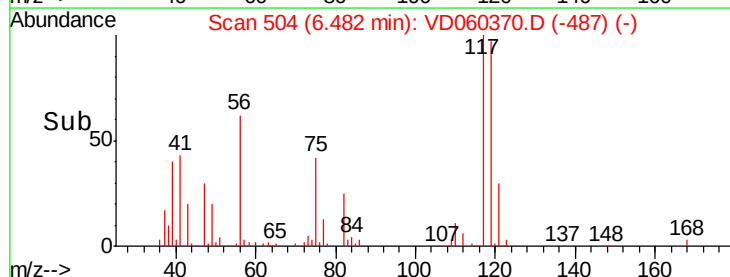
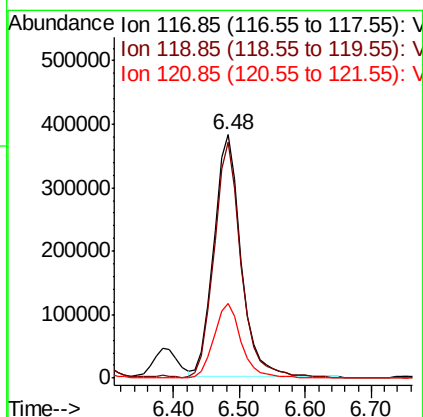
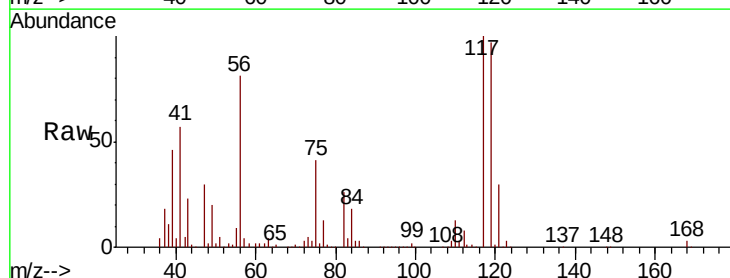
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

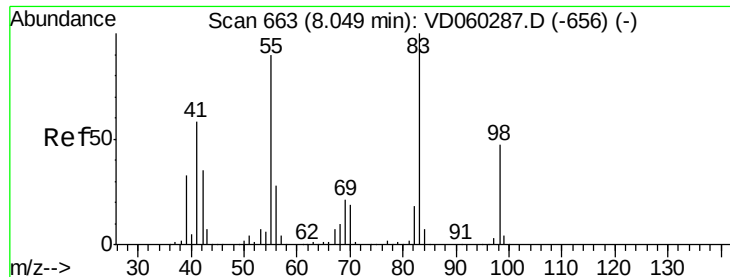
Tot Ion: 43 Resp: 558996
Ion Ratio Lower Upper
43 100
61 15.4 11.8 17.6
70 7.4 6.2 9.4



#38
Carbon Tetrachloride
Concen: 50.507 ug/l
RT: 6.48 min Scan# 504
Delta R.T. -0.03 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Tgt Ion: 117 Resp: 1092137
Ion Ratio Lower Upper
117 100
119 97.0 76.6 115.0
121 30.4 24.3 36.5

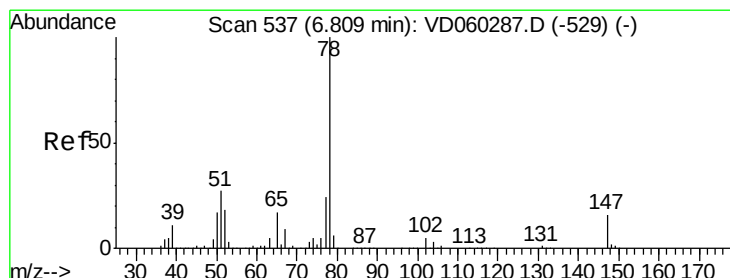
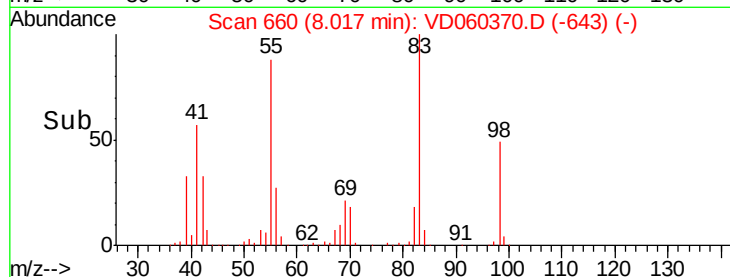
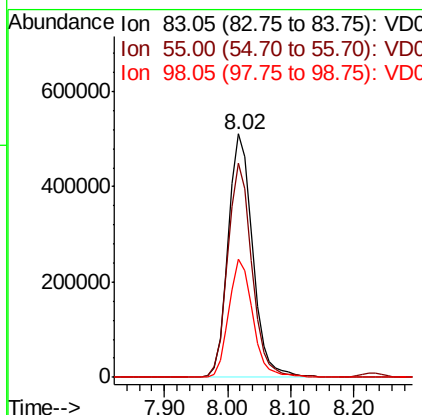
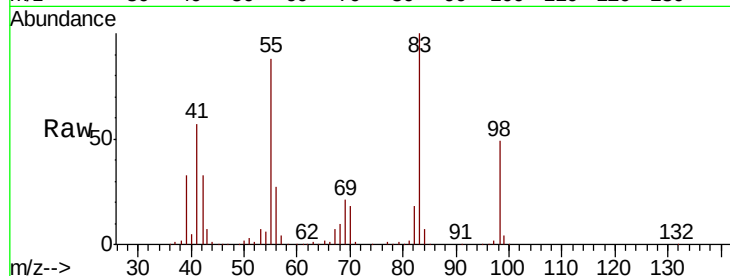




#39
Methylvlcyclohexane
Concen: 51.090 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.03 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

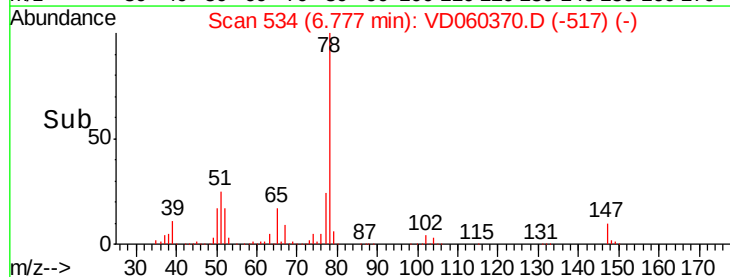
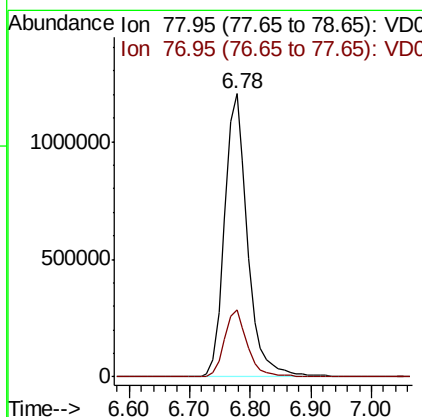
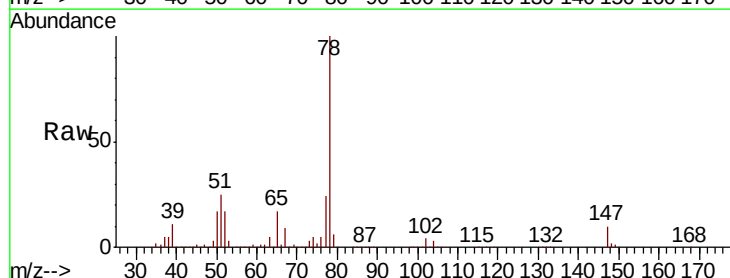
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

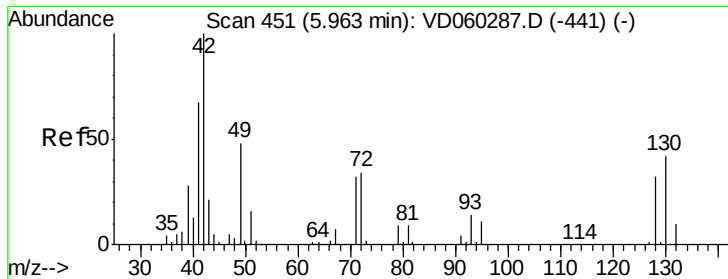
Tot Ion: 83 Resp: 1369774
Ion Ratio Lower Upper
83 100
55 88.0 71.2 106.8
98 48.6 38.4 57.6



#40
Benzene
Concen: 53.352 ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.03 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Tgt Ion: 78 Resp: 3174634
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2





#41

Methacrylonitrile

Concen: 50.220 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.03 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 616553

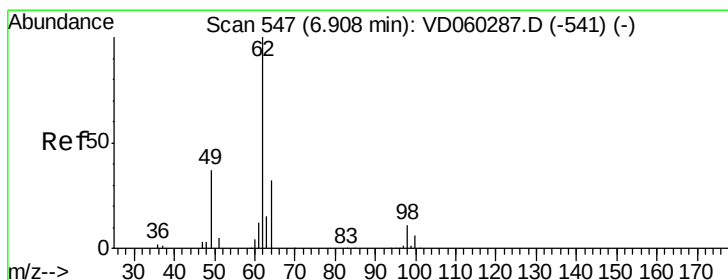
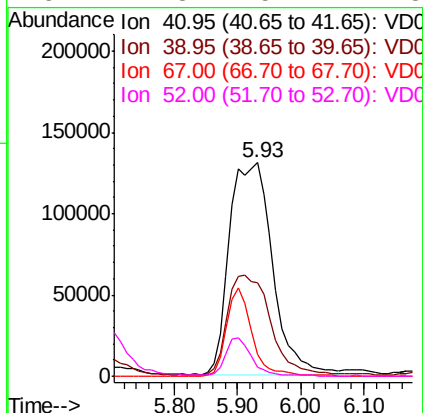
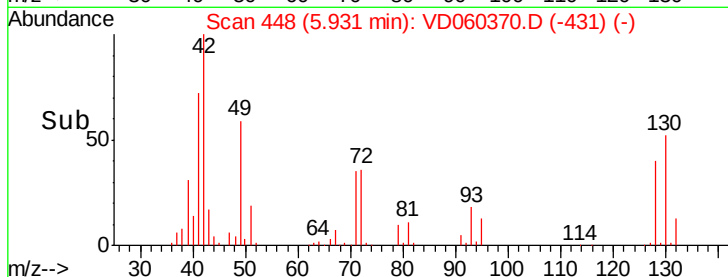
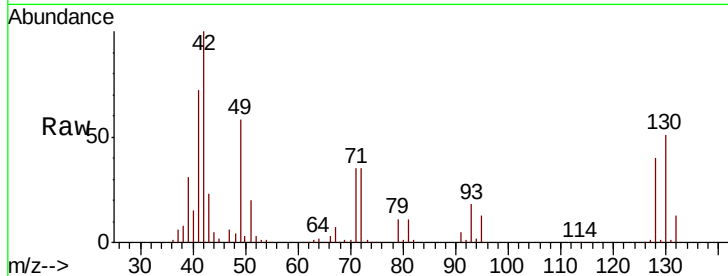
Ion Ratio Lower Upper

41 100

39 43.6 36.2 54.2

67 10.1 11.9 17.9#

52 4.3 5.2 7.8#



#42

1,2-Dichloroethane

Concen: 52.839 ug/l

RT: 6.88 min Scan# 544

Delta R.T. -0.03 min

Lab File: VD060370.D

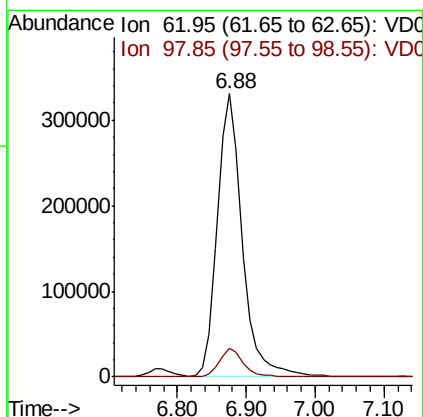
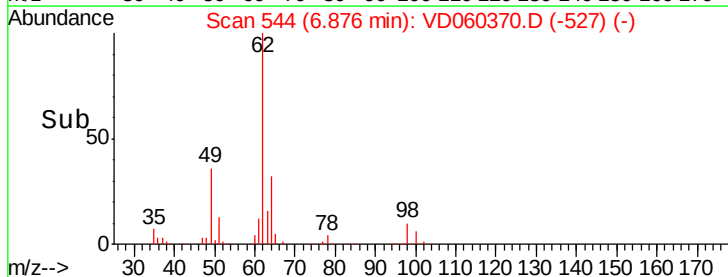
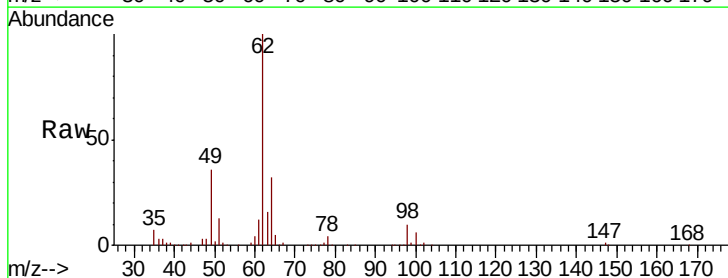
Acq: 14 Nov 2018 10:20

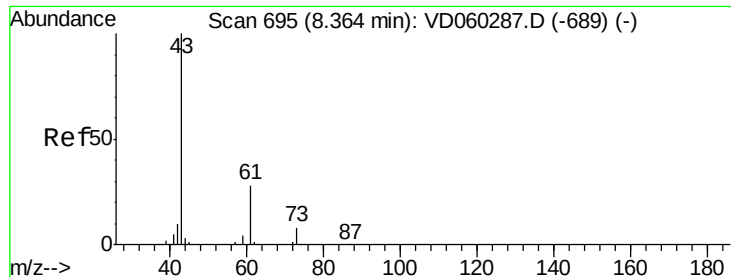
Tgt Ion: 62 Resp: 822948

Ion Ratio Lower Upper

62 100

98 10.1 0.0 22.0





#43

Isopropyl Acetate

Concen: 51.211 ug/l

RT: 8.33 min Scan# 692

Delta R.T. -0.03 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

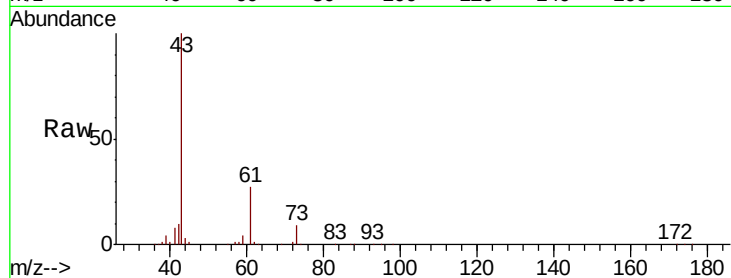
Tot Ion: 43 Resp: 690018

Ion Ratio Lower Upper

43 100

61 27.4 22.3 33.5

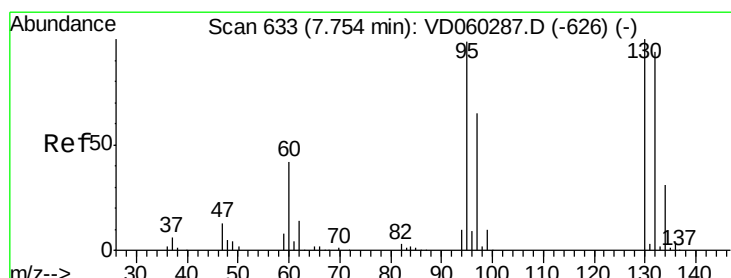
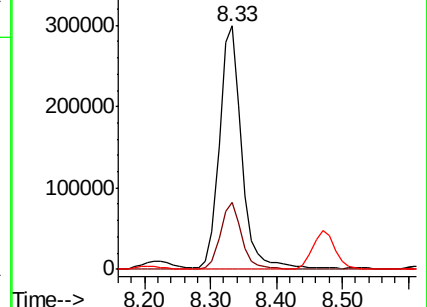
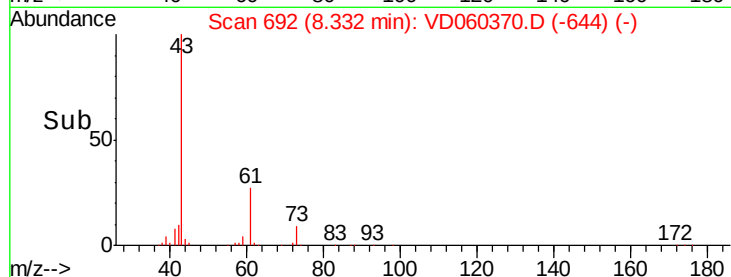
87 0.4 0.2 0.2#



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: 53.296 ug/l

RT: 7.72 min Scan# 630

Delta R.T. -0.03 min

Lab File: VD060370.D

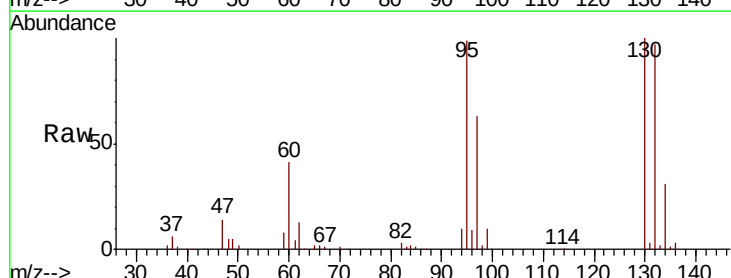
Acq: 14 Nov 2018 10:20

Tgt Ion: 130 Resp: 961330

Ion Ratio Lower Upper

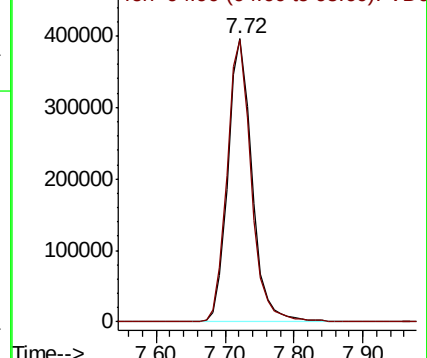
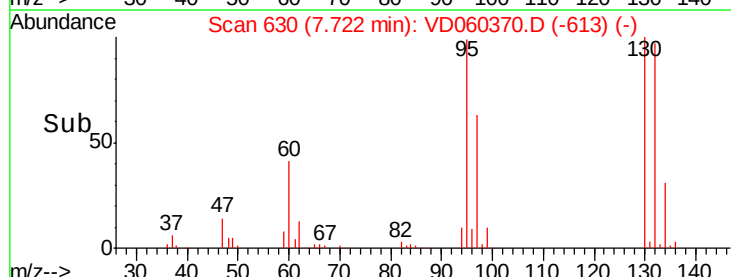
130 100

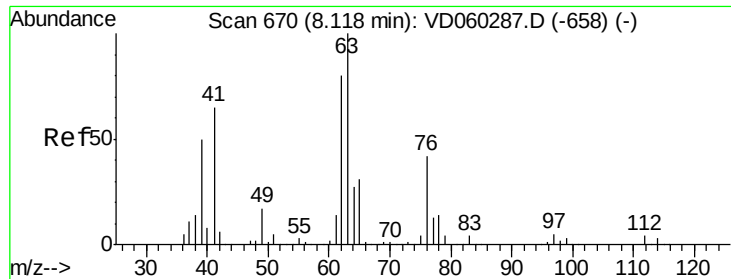
95 99.5 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

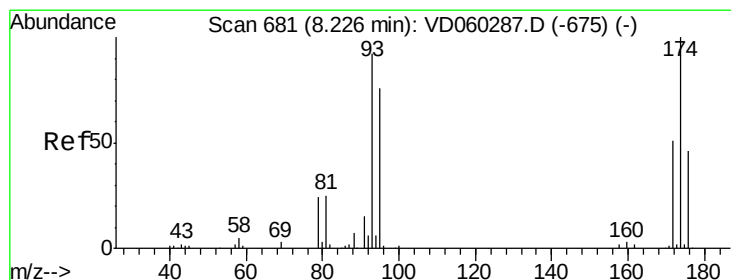
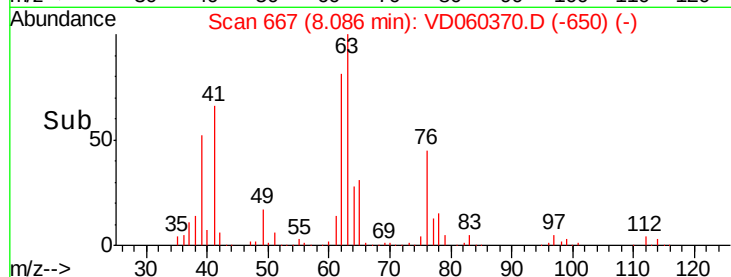
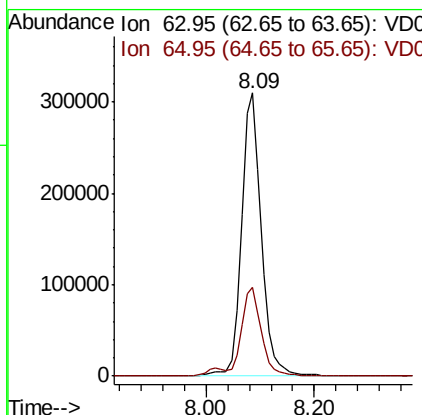
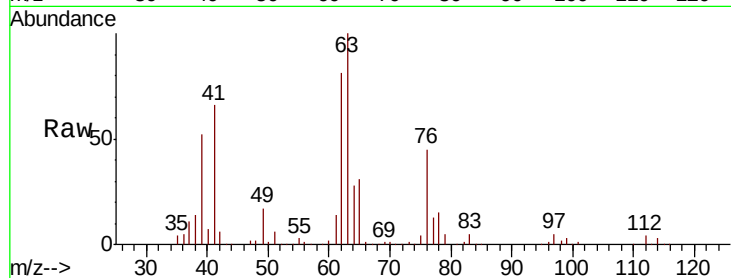




#45
 1,2-Dichloropropane
 Concen: 52.448 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. -0.03 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

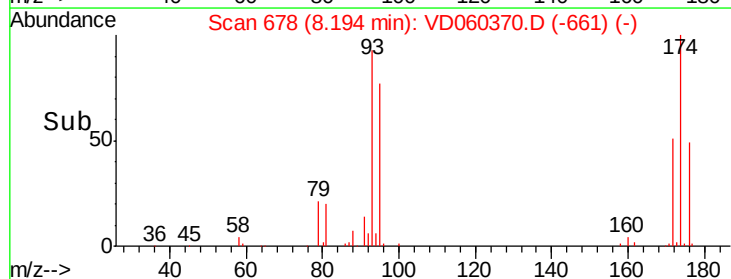
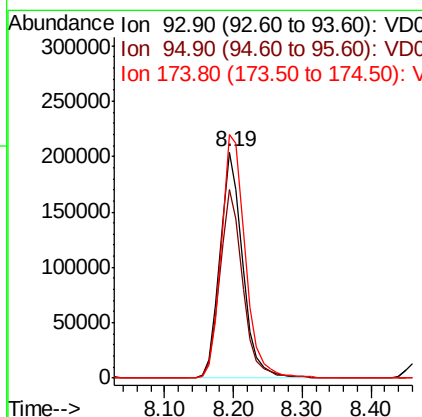
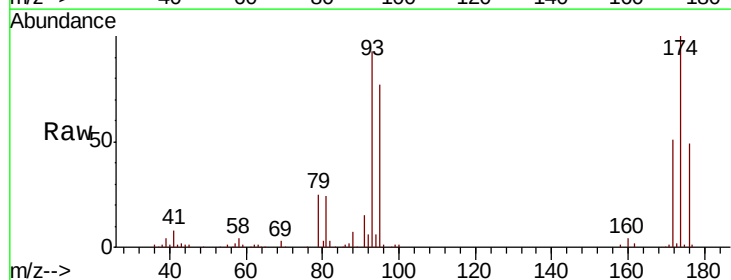
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

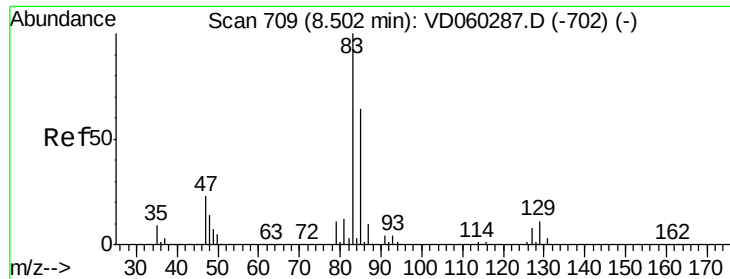
Tot Ion: 63 Resp: 787072
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.4 35.2



#46
 Dibromomethane
 Concen: 52.961 ug/l
 RT: 8.19 min Scan# 678
 Delta R.T. -0.03 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

Tgt Ion: 93 Resp: 465485
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.4 99.6
 174 107.7 87.8 131.8





#47

Bromodichloromethane

Concen: 52.984 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.03 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

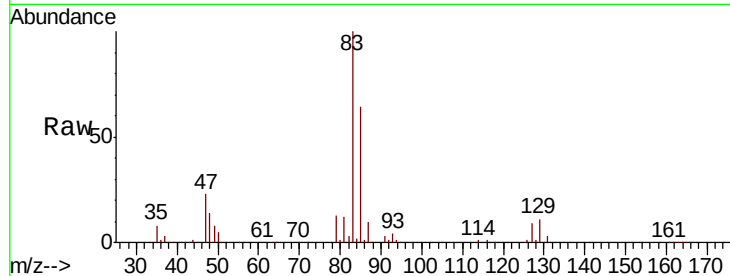
Tot Ion: 83 Resp: 1097372

Ion Ratio Lower Upper

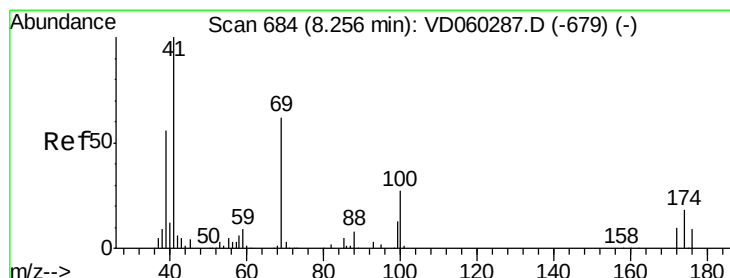
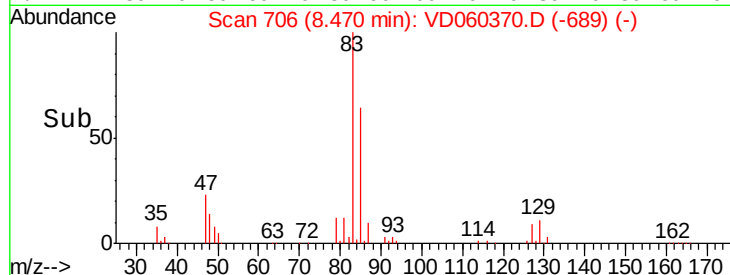
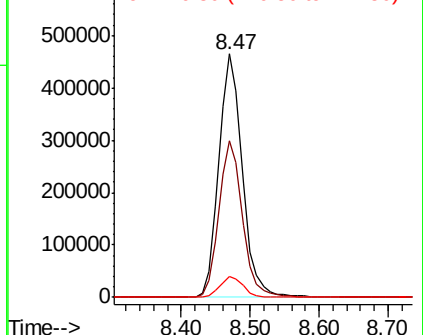
83 100

85 64.1 51.0 76.6

127 8.7 6.2 9.4



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: 51.361 ug/l

RT: 8.22 min Scan# 681

Delta R.T. -0.03 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

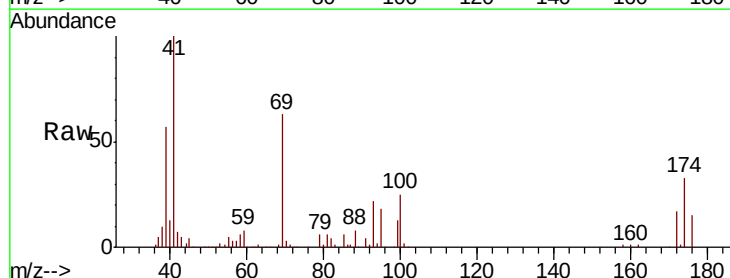
Tgt Ion: 41 Resp: 420358

Ion Ratio Lower Upper

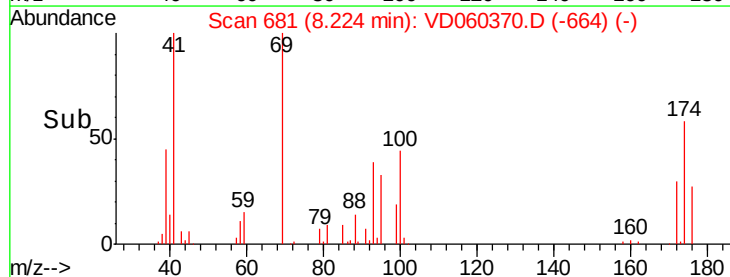
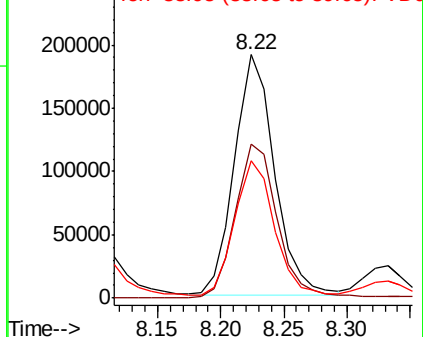
41 100

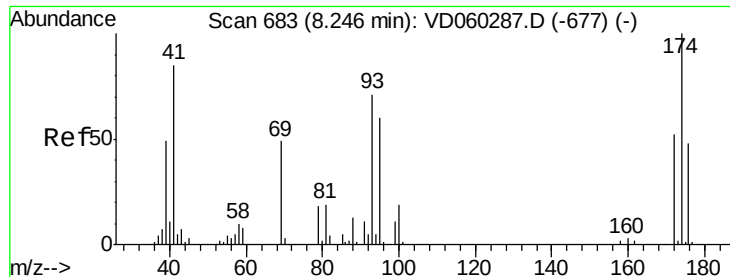
69 63.4 47.0 70.4

39 56.6 46.2 69.4



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: 1093.009 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.03 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

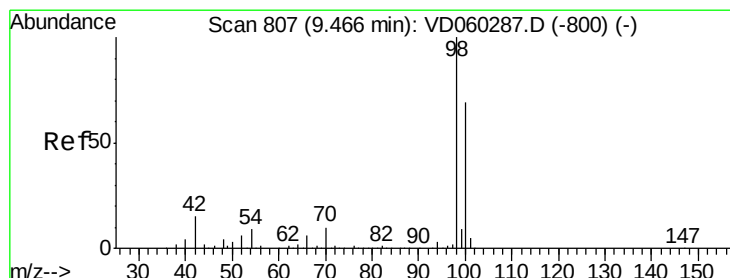
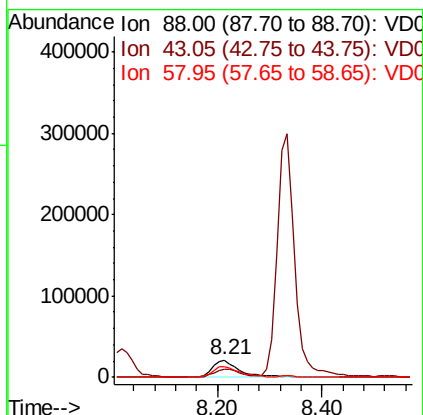
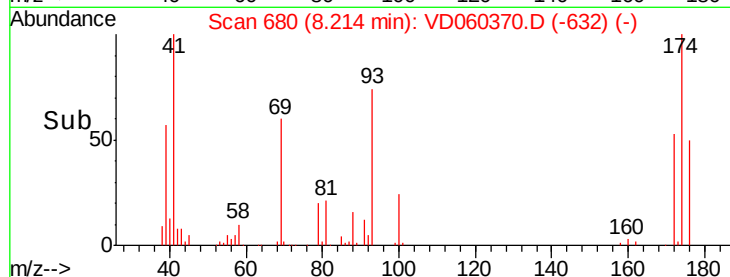
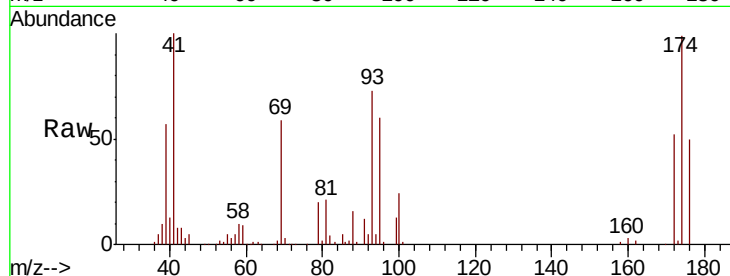
Tot Ion: 88 Resp: 77400

Ion Ratio Lower Upper

88 100

43 47.7 39.7 59.5

58 63.4 60.2 90.2



#50

Toluene-d8

Concen: 1093.009 ug/l

RT: 9.43 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060370.D

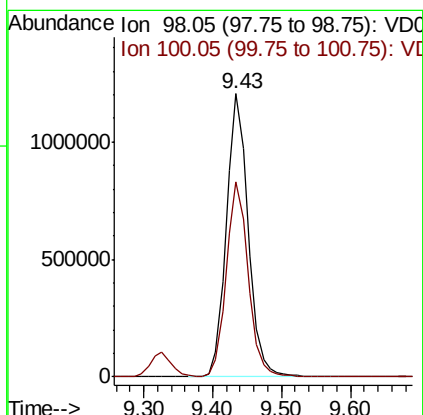
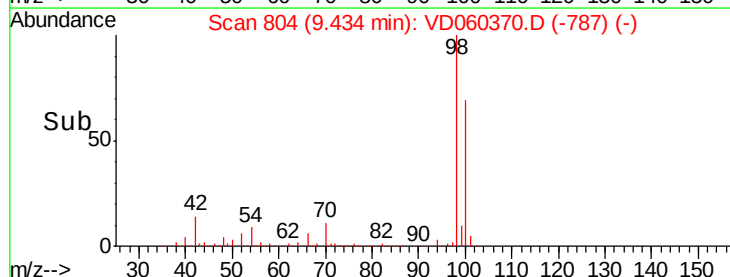
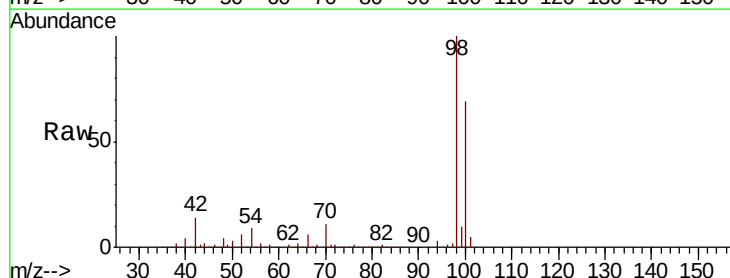
Acq: 14 Nov 2018 10:20

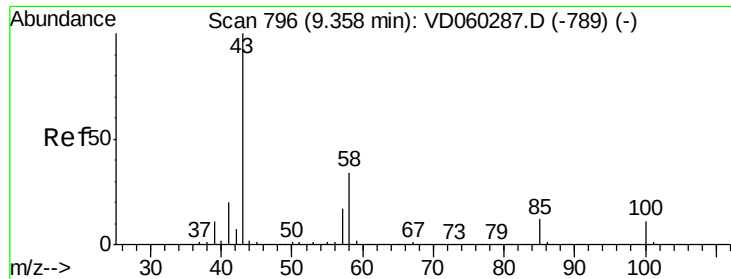
Tgt Ion: 98 Resp: 2645365

Ion Ratio Lower Upper

98 100

100 69.0 55.2 82.8





#51

4-Methyl-2-Pentanone

Concen: 259.647 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

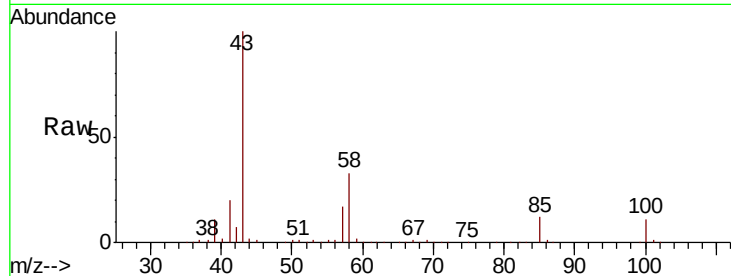
VSTDCCC050

Tot Ion: 43 Resp: 2277021

Ion Ratio Lower Upper

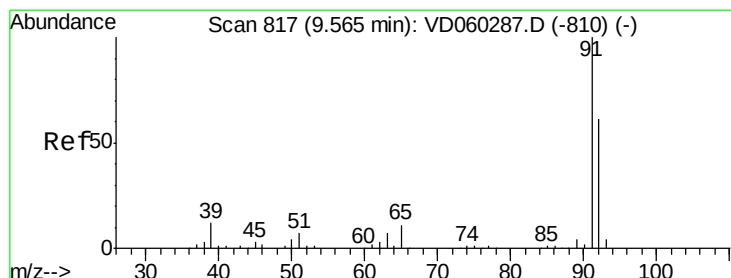
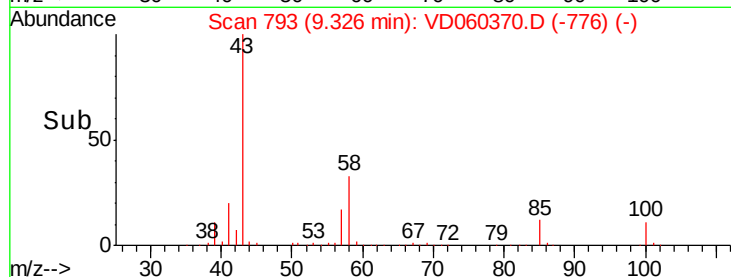
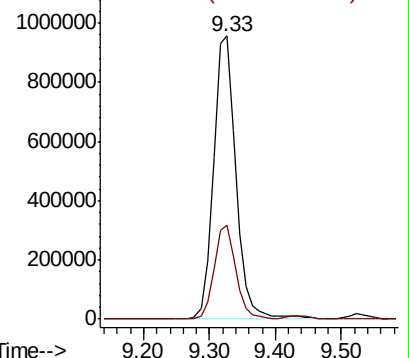
43 100

58 33.1 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.109 ug/l

RT: 9.53 min Scan# 814

Delta R.T. -0.03 min

Lab File: VD060370.D

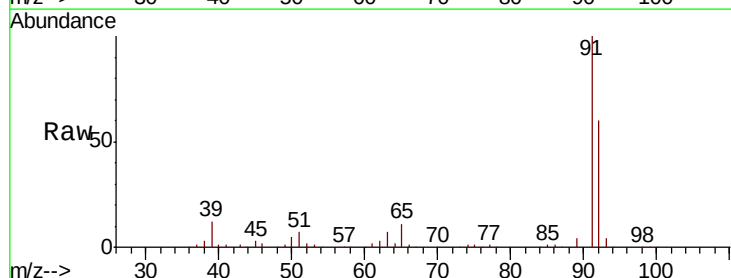
Acq: 14 Nov 2018 10:20

Tgt Ion: 92 Resp: 1942632

Ion Ratio Lower Upper

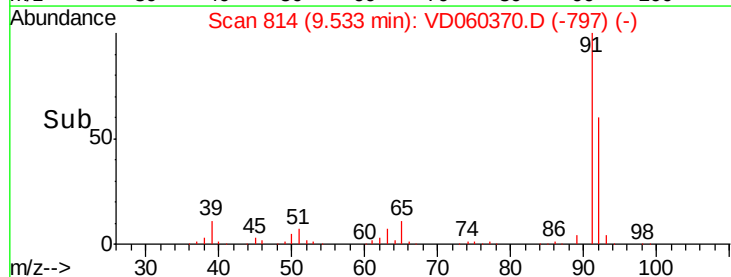
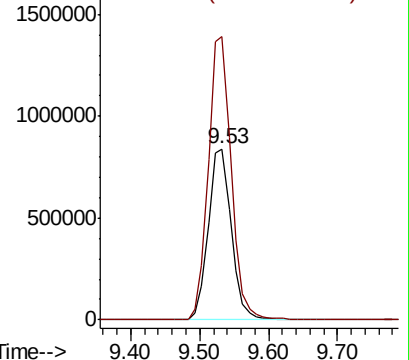
92 100

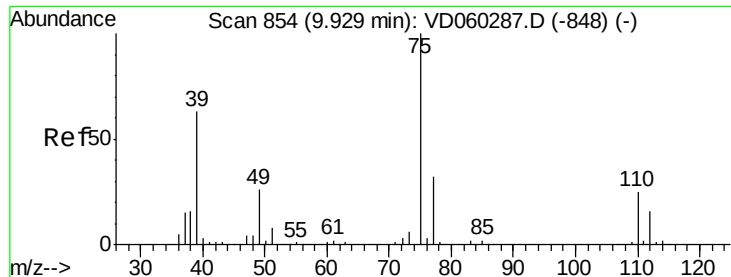
91 165.4 131.9 197.9



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: 54.065 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.03 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

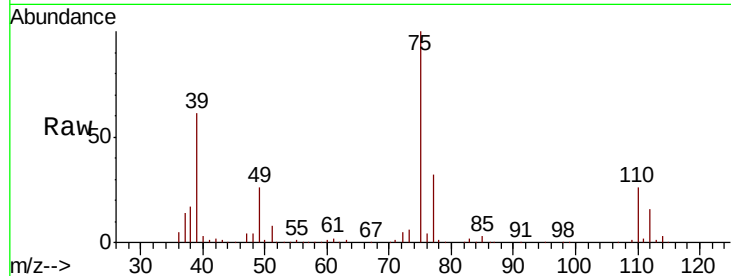
VSTDCCC050

Tot Ion: 75 Resp: 946128

Ion Ratio Lower Upper

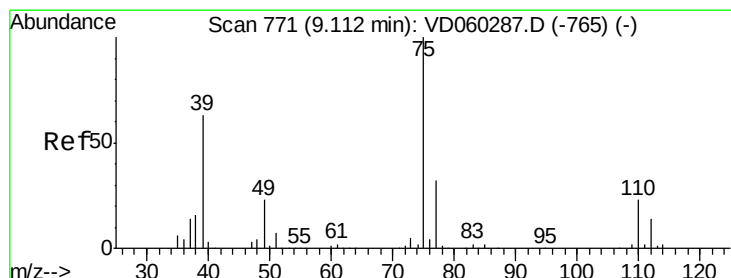
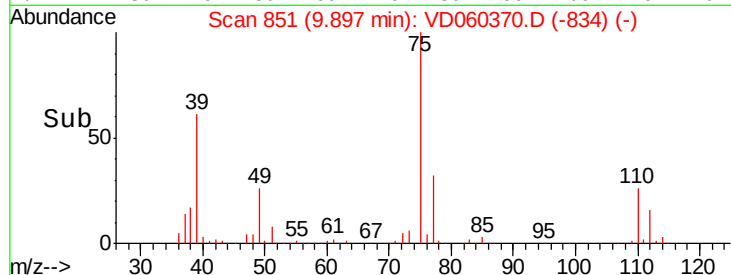
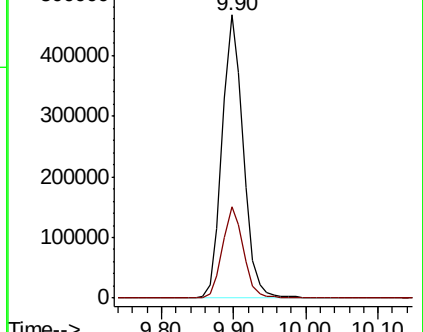
75 100

77 32.5 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 53.693 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.03 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

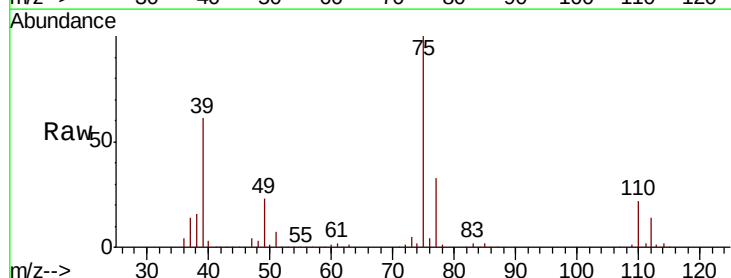
Tgt Ion: 75 Resp: 1205144

Ion Ratio Lower Upper

75 100

77 33.0 26.3 39.5

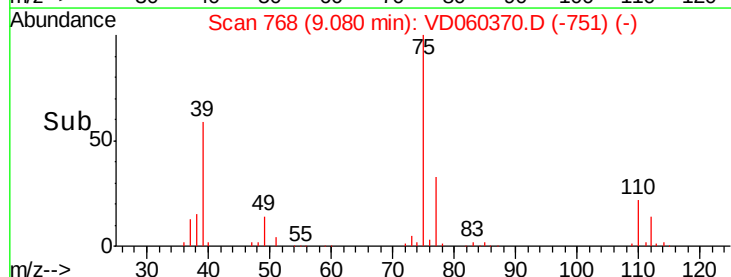
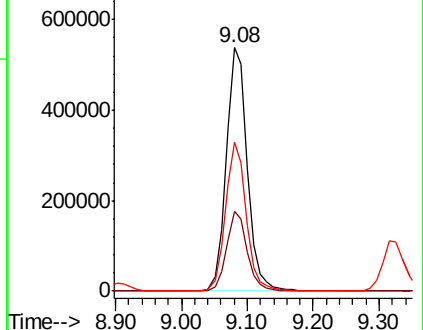
39 61.4 50.8 76.2

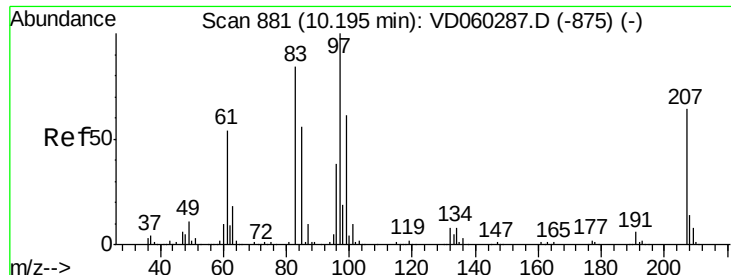


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

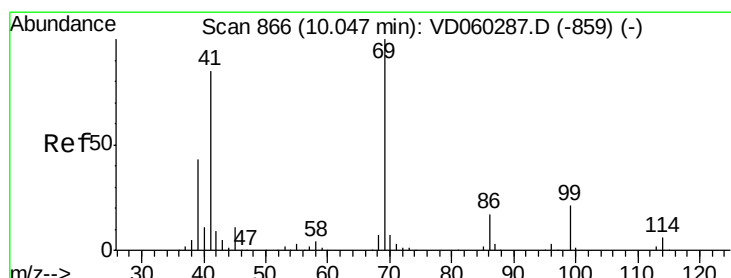
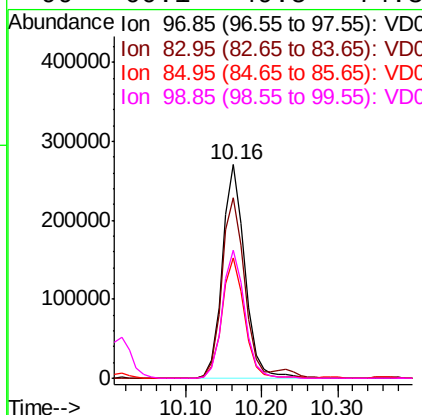
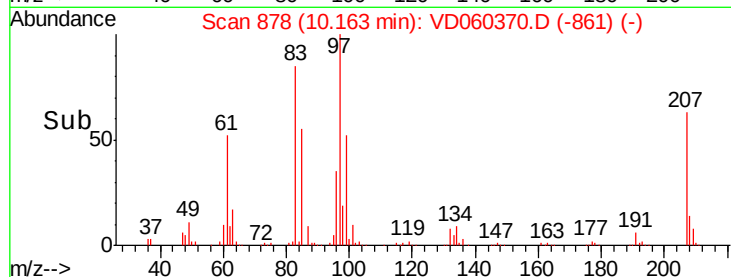
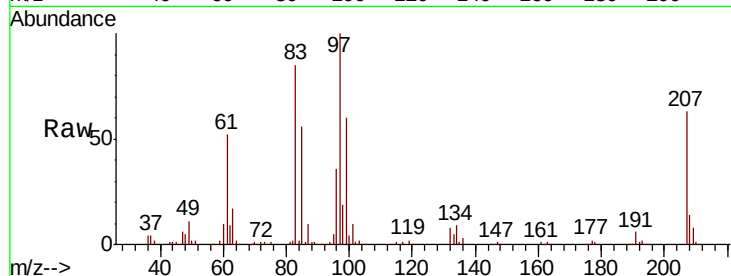




#55
 1,1,2-Trichloroethane
 Concen: 50.429 ug/l
 RT: 10.16 min Scan# 878
 Delta R.T. -0.03 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

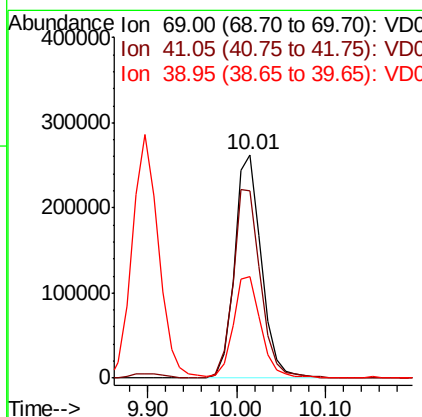
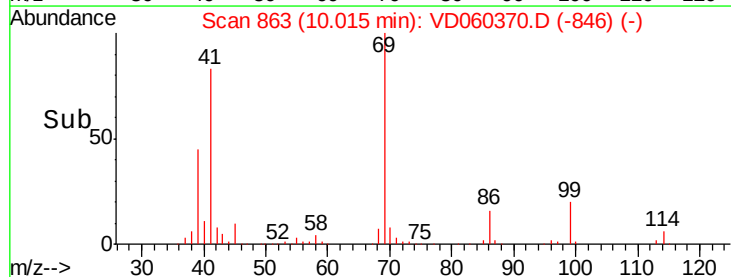
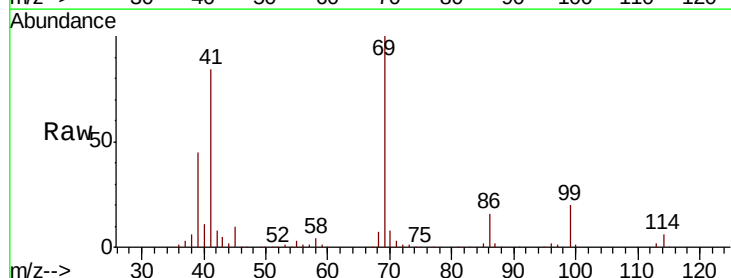
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

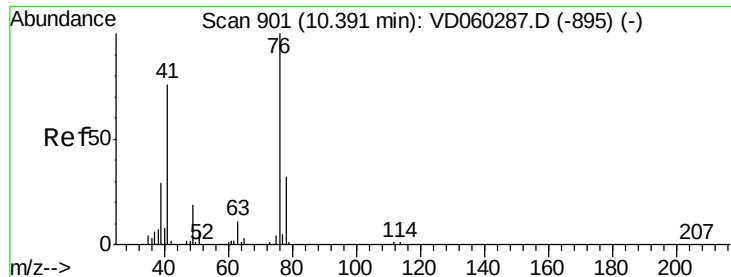
Tot Ion:	97	Resp:	555557
Ion	Ratio	Lower	Upper
97	100		
83	84.6	68.4	102.6
85	56.1	46.8	70.2
99	60.1	49.5	74.3



#56
 Ethyl methacrylate
 Concen: 54.267 ug/l
 RT: 10.01 min Scan# 863
 Delta R.T. -0.03 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

Tgt Ion:	69	Resp:	549683
Ion	Ratio	Lower	Upper
69	100		
41	83.6	69.0	103.4
39	45.3	36.6	54.8

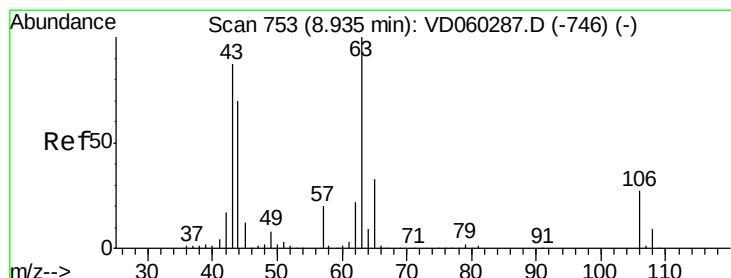
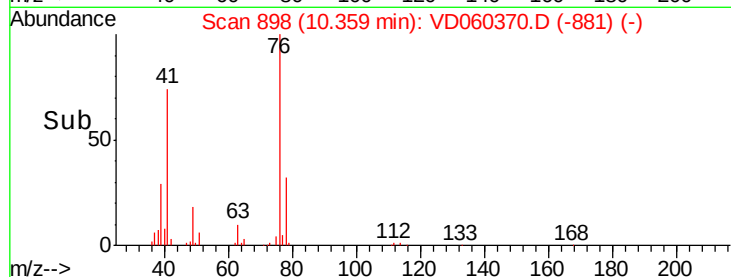
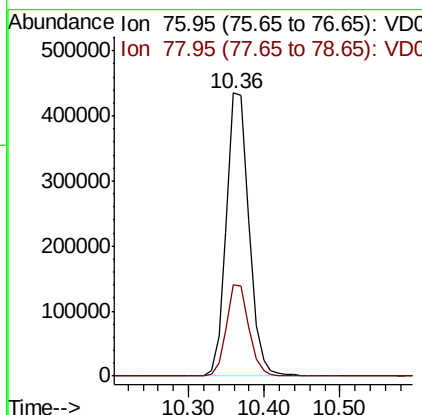
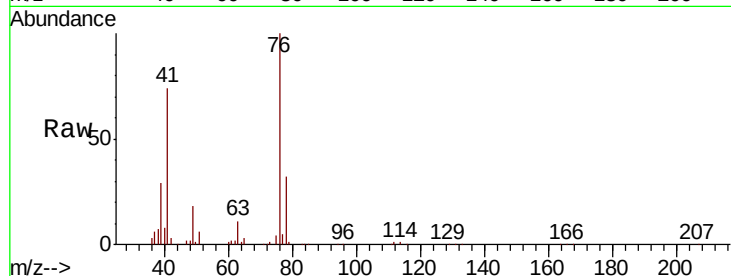




#57
 1,3-Dichloropropane
 Concen: 53.641 ug/l
 RT: 10.36 min Scan# 898
 Delta R.T. -0.03 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

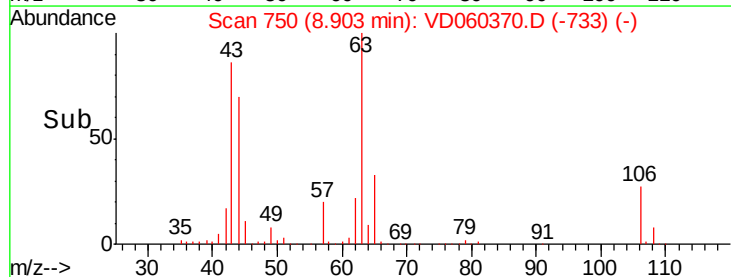
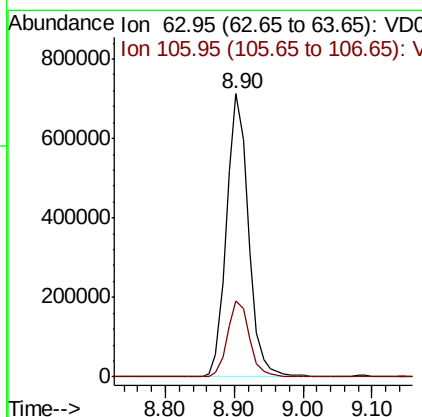
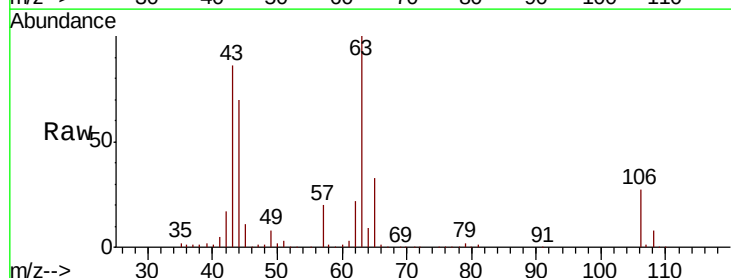
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

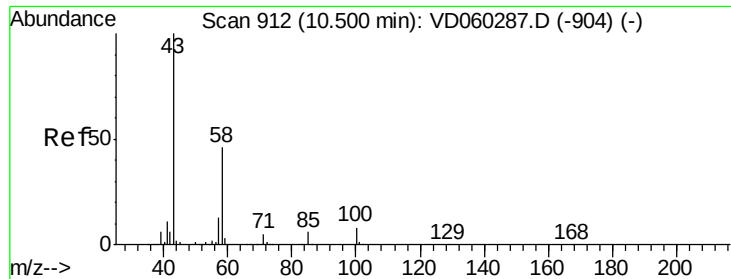
Tot Ion: 76 Resp: 900466
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.739 ug/l
 RT: 8.90 min Scan# 750
 Delta R.T. -0.03 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

Tgt Ion: 63 Resp: 1572419
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.5 32.3

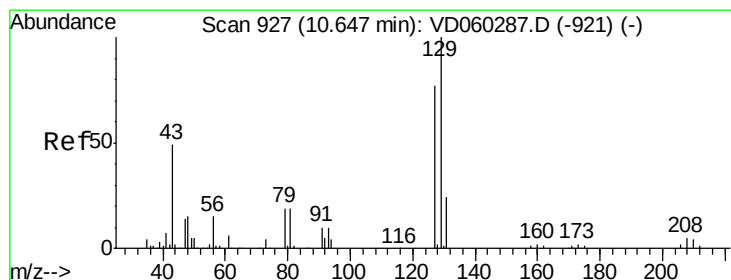
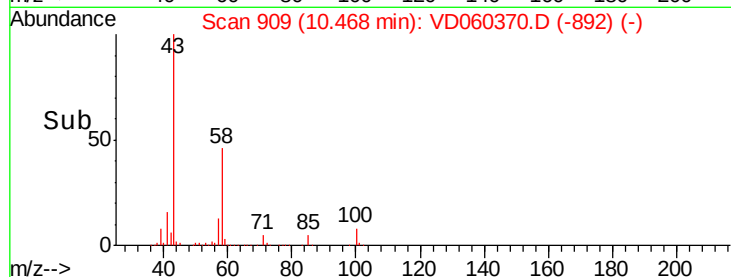
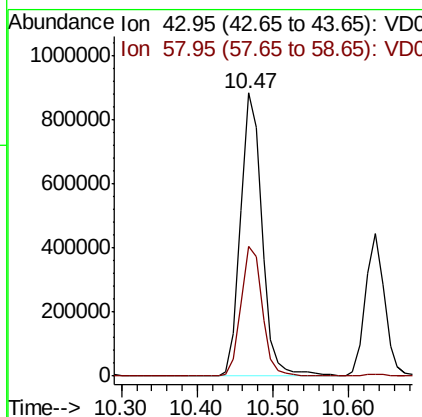
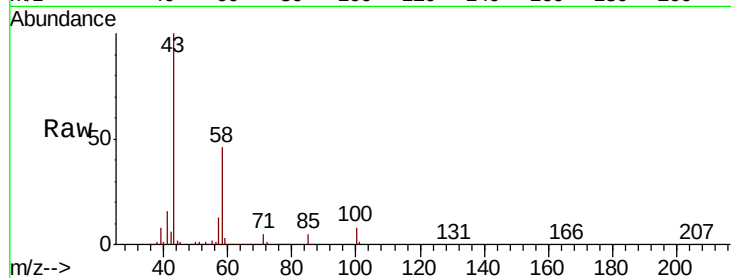




#59
2-Hexanone
Concen: 277.956 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.03 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

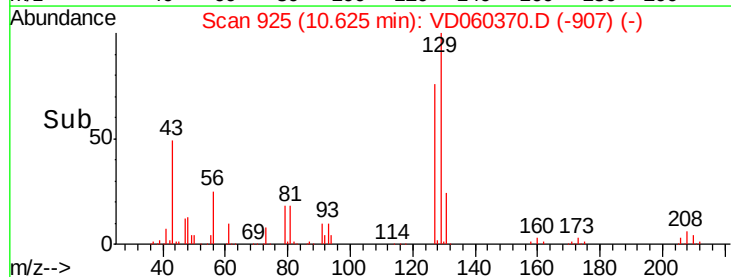
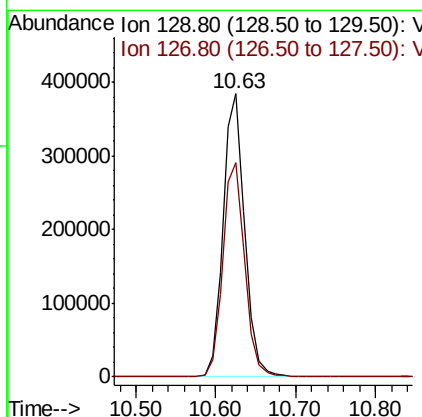
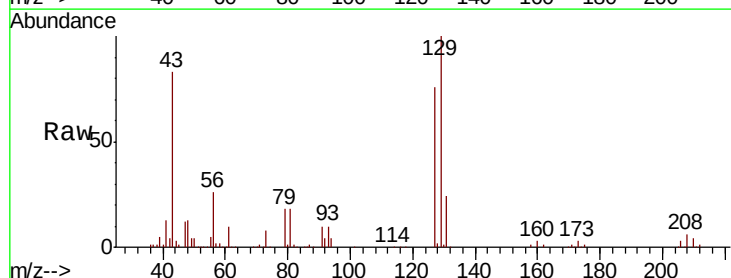
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

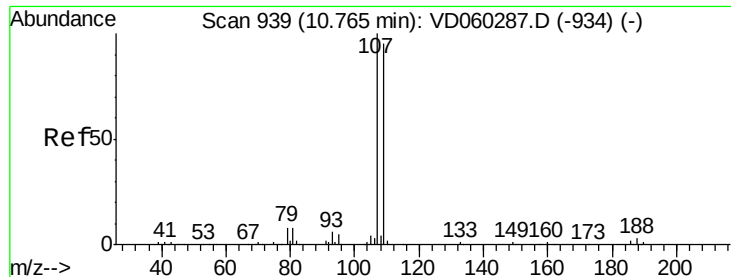
Tot Ion: 43 Resp: 1737356
Ion Ratio Lower Upper
43 100
58 45.8 22.9 68.5



#60
Dibromochloromethane
Concen: 54.924 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.02 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Tgt Ion: 129 Resp: 735519
Ion Ratio Lower Upper
129 100
127 75.8 38.9 116.6

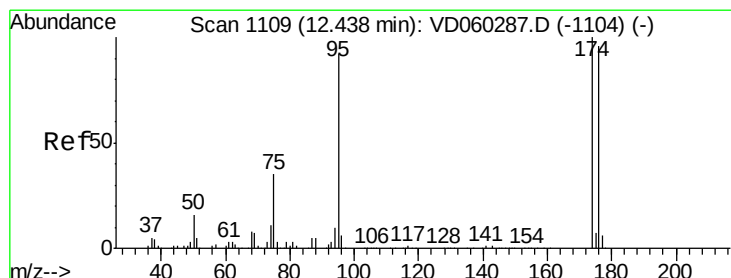
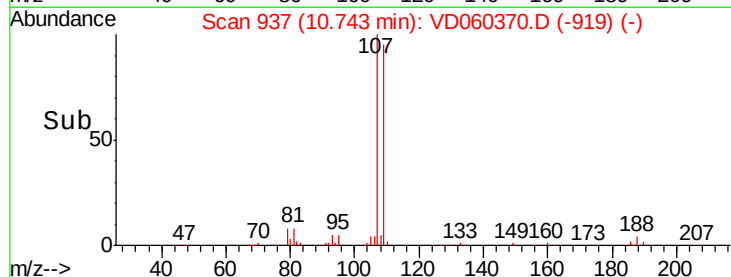
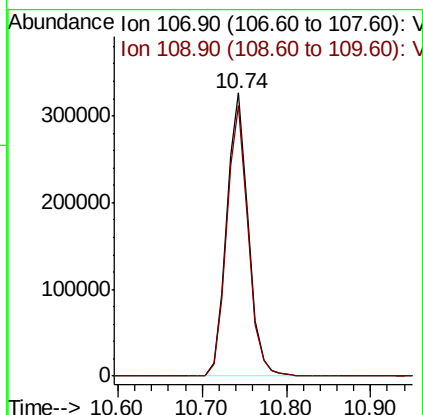
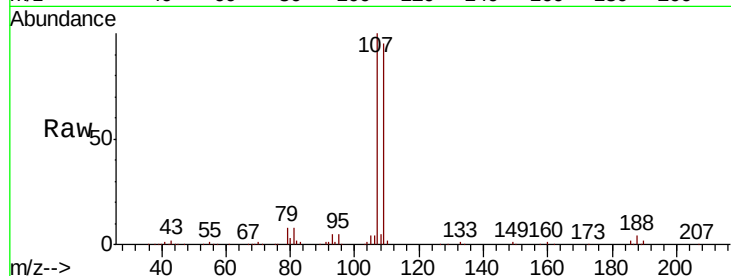




#61
 1,2-Dibromoethane
 Concen: 52.587 ug/l
 RT: 10.74 min Scan# 937
 Delta R.T. -0.02 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

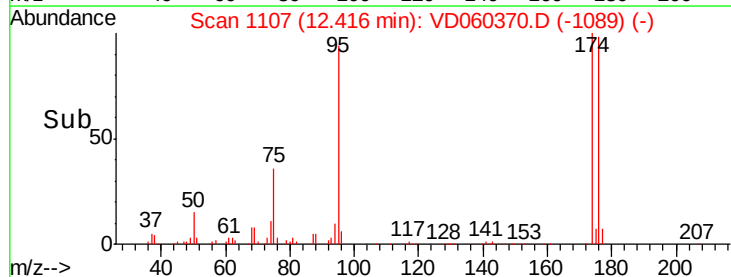
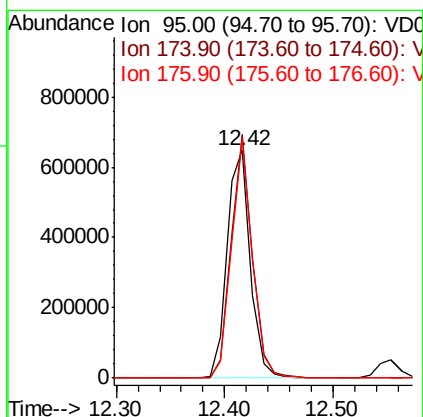
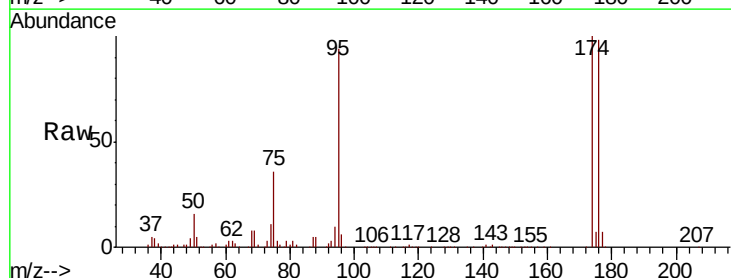
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

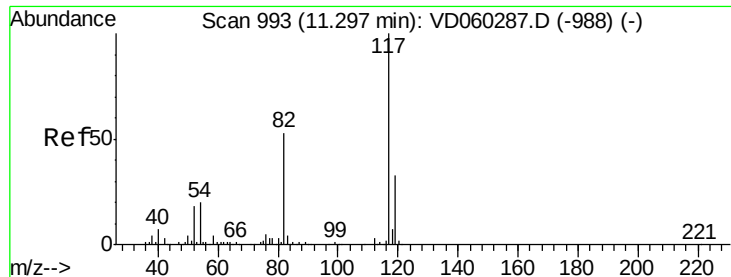
Tot Ion:107 Resp: 580456
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 52.587 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.02 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

Tgt Ion: 95 Resp: 966034
 Ion Ratio Lower Upper
 95 100
 174 106.8 0.0 160.8
 176 105.1 0.0 154.6

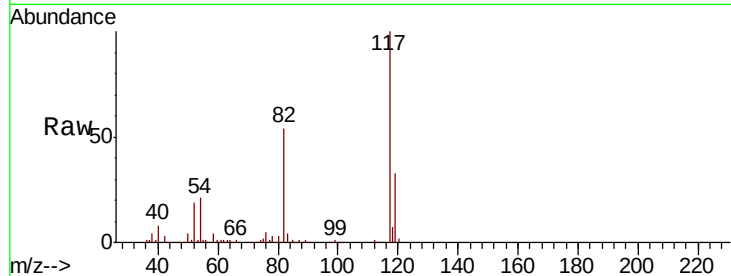




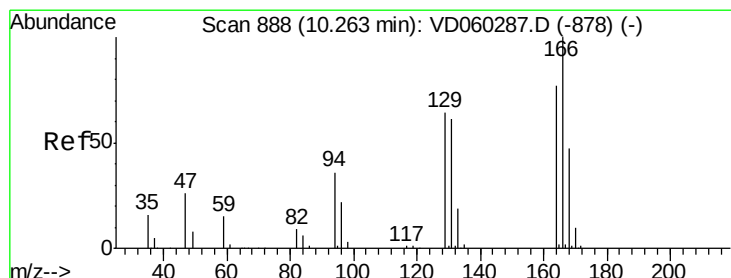
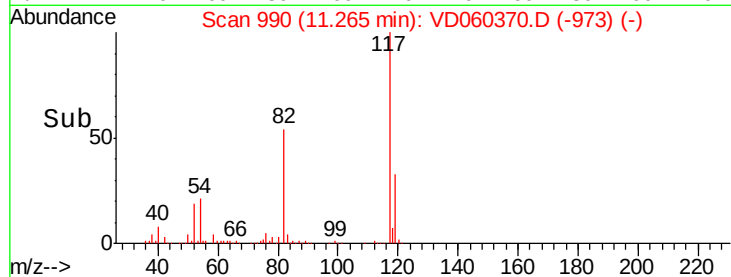
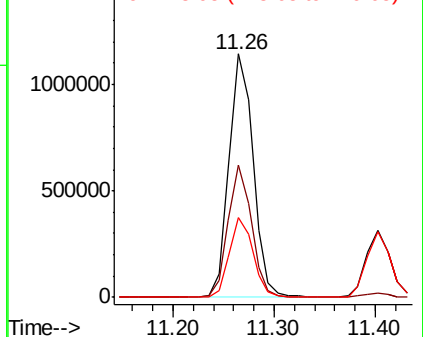
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1893372
Ion Ratio Lower Upper
117 100
82 54.3 43.7 65.5
119 32.6 26.1 39.1

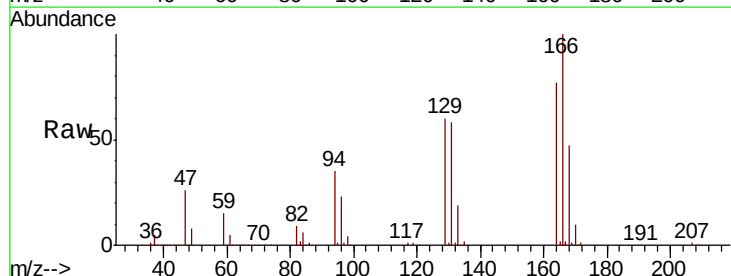


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

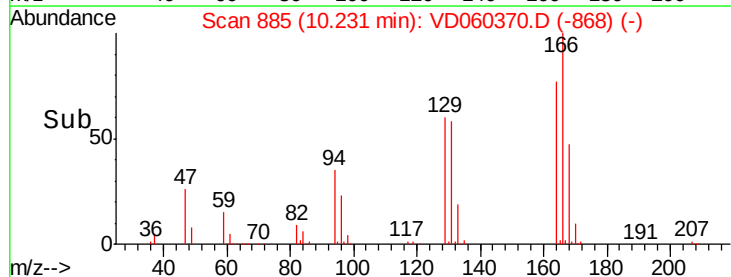
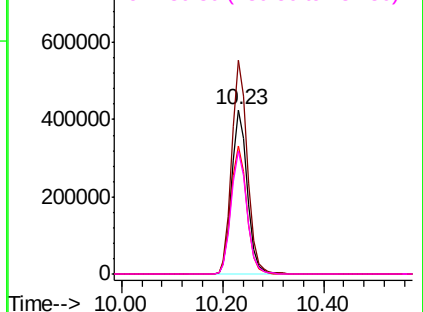


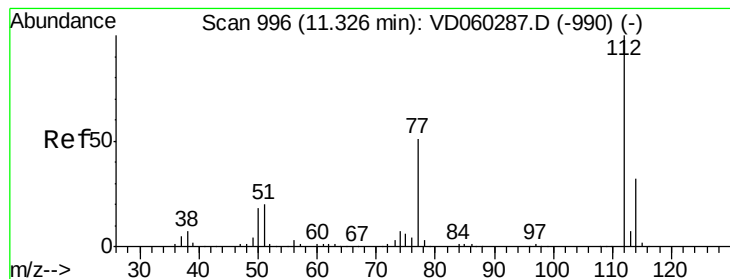
#64
Tetrachloroethene
Concen: 52.972 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.03 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Tgt Ion:164 Resp: 895376
Ion Ratio Lower Upper
164 100
166 130.3 103.7 155.5
129 78.4 65.6 98.4
131 75.2 64.4 96.6



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





#65

Chlorobenzene

Concen: 51.383 ug/l

RT: 11.29 min Scan# 993

Delta R.T. -0.03 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

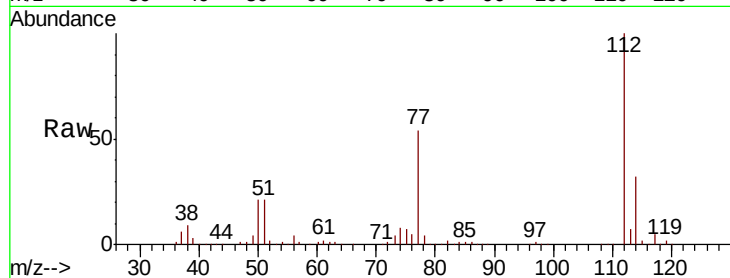
VSTDCCC050

Tot Ion:112 Resp: 2107941

Ion Ratio Lower Upper

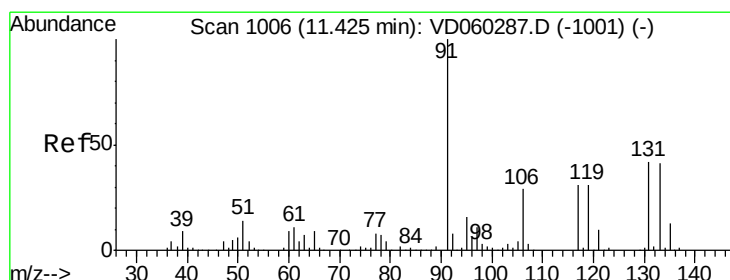
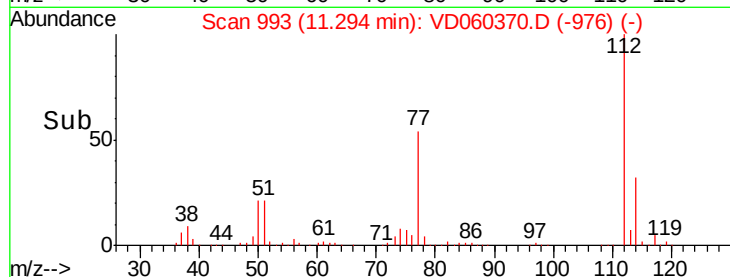
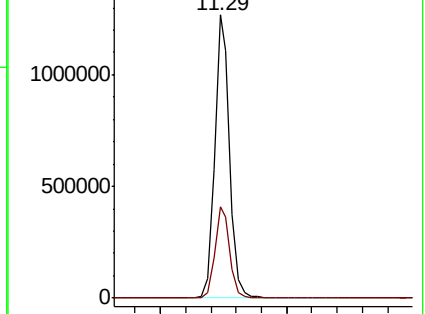
112 100

114 32.4 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.204 ug/l

RT: 11.40 min Scan# 1004

Delta R.T. -0.02 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

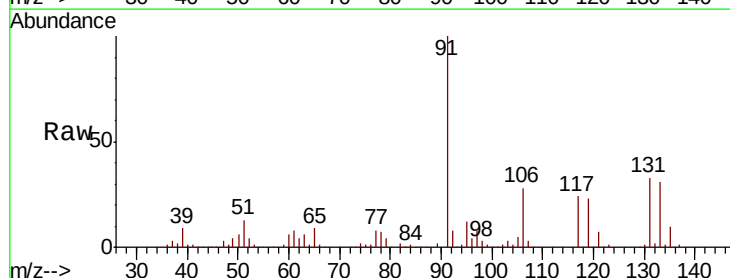
Tgt Ion:131 Resp: 727569

Ion Ratio Lower Upper

131 100

133 96.1 50.0 150.0

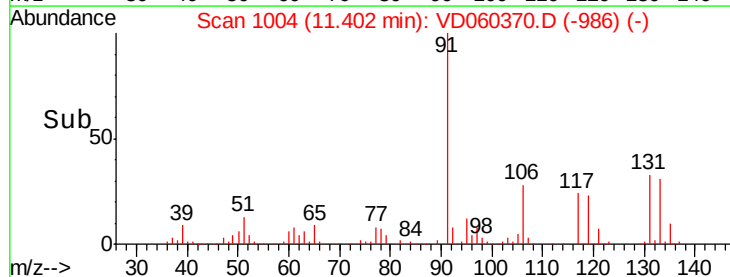
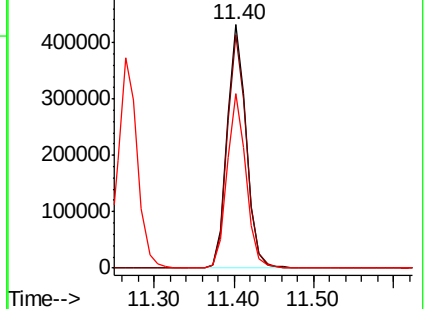
119 71.8 37.0 111.1

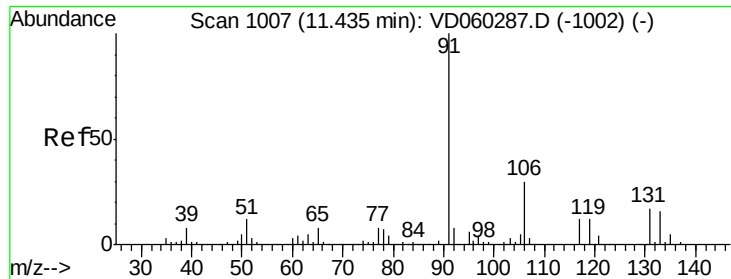


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

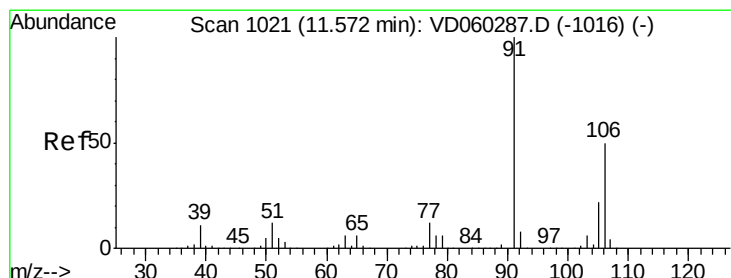
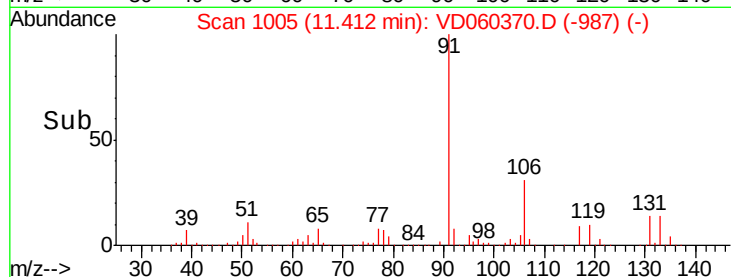
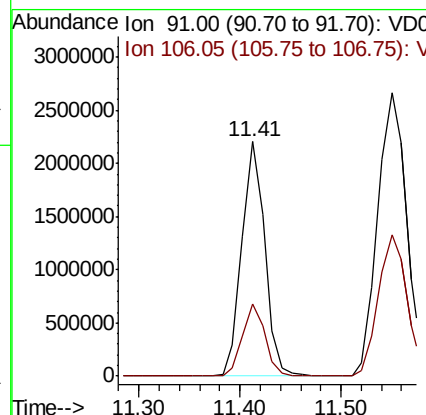
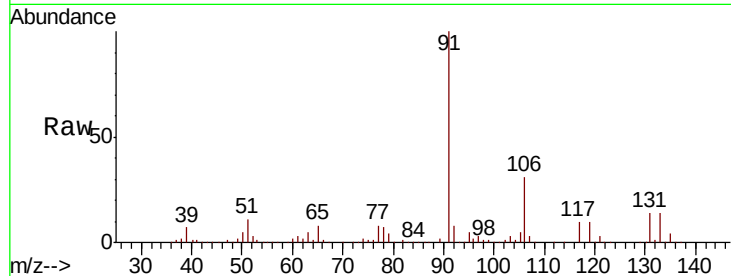




#67
Ethyl Benzene
Concen: 49.886 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

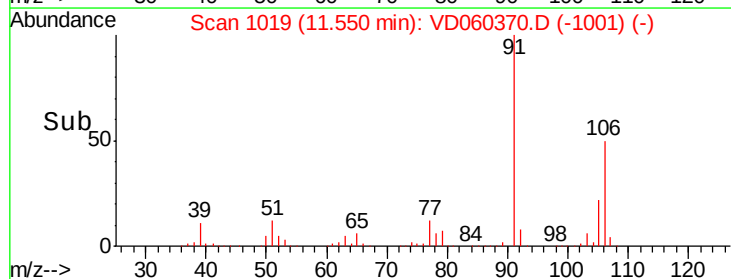
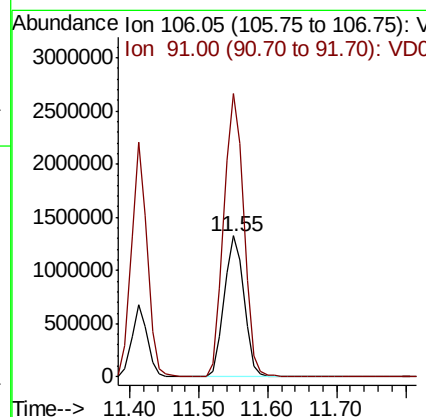
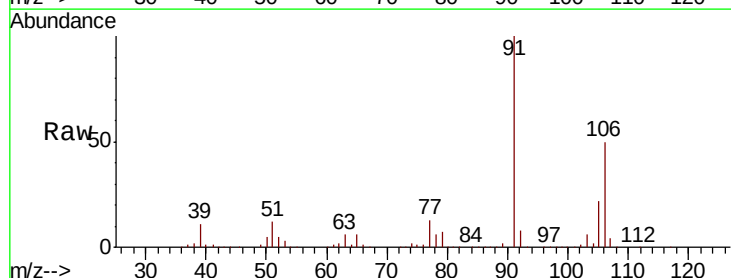
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

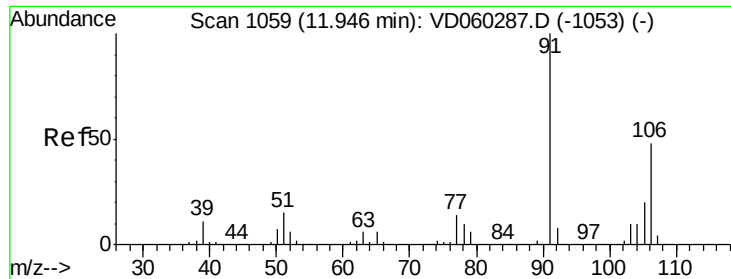
Tot Ion: 91 Resp: 3500901
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8



#68
m/p-Xylenes
Concen: 101.567 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.02 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Tgt Ion: 106 Resp: 2629301
Ion Ratio Lower Upper
106 100
91 200.5 159.4 239.2

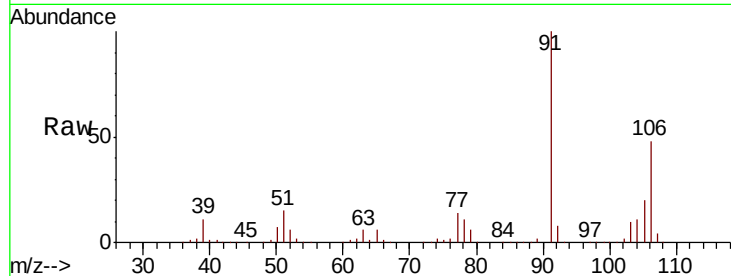




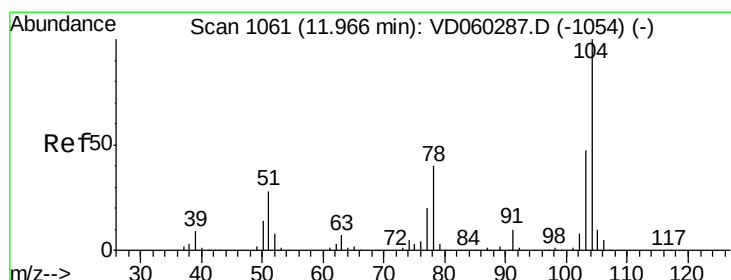
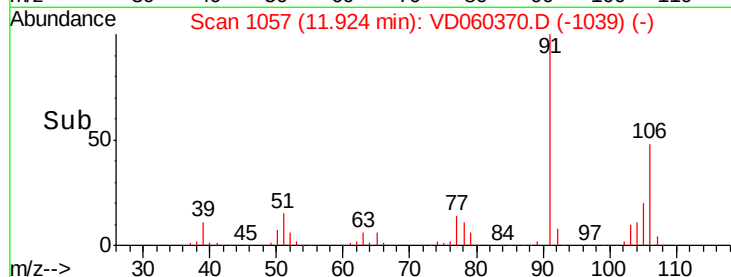
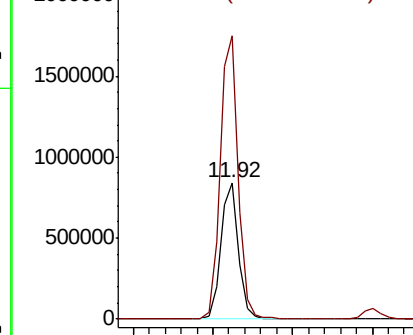
#69
o-Xylene
Concen: 51.779 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1294979
Ion Ratio Lower Upper
106 100
91 207.0 109.2 327.6

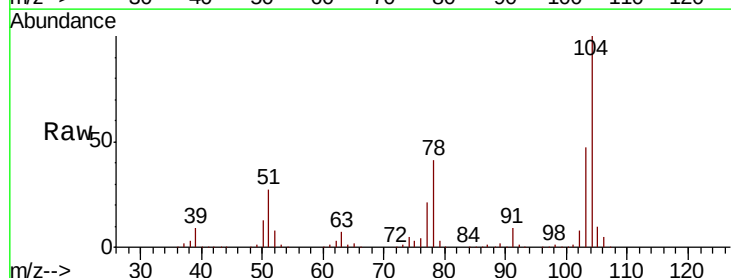


Abundance Ion 106.05 (105.75 to 106.75): V
2000000 Ion 91.00 (90.70 to 91.70): VDC

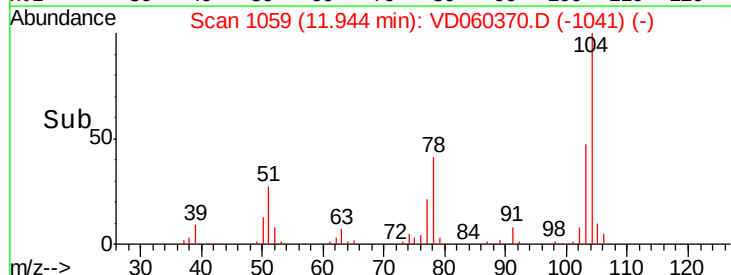
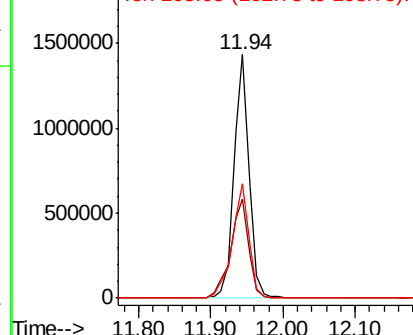


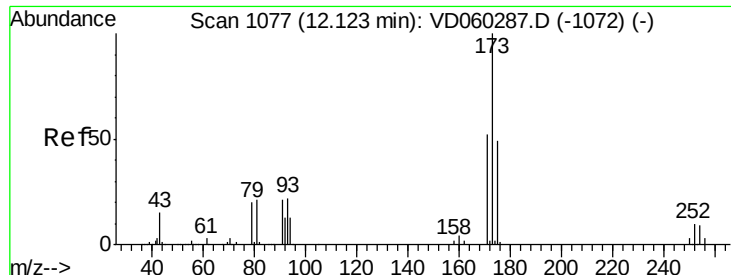
#70
Styrene
Concen: 51.293 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Tgt Ion:104 Resp: 2073142
Ion Ratio Lower Upper
104 100
78 40.6 31.6 47.4
103 46.9 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75): V
2000000 Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 54.365 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.02 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

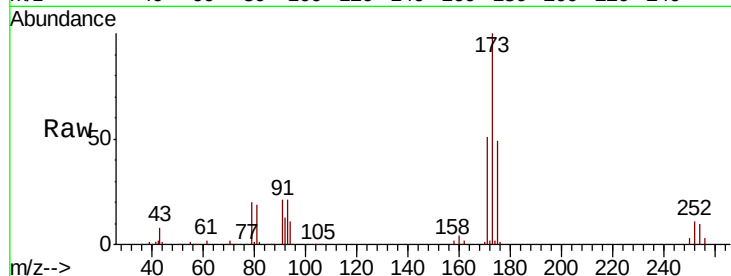
Tot Ion:173 Resp: 490351

Ion Ratio Lower Upper

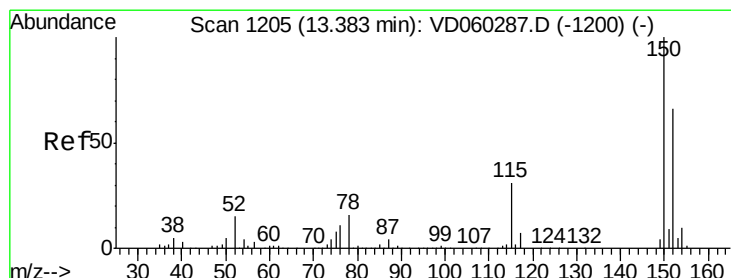
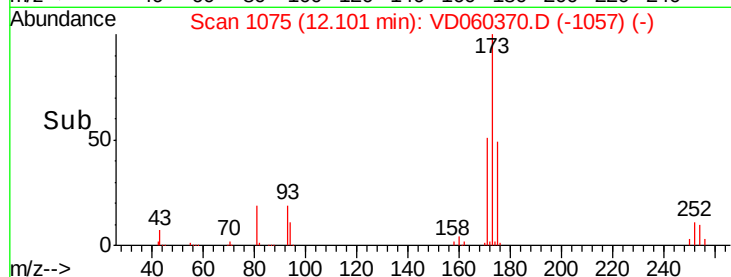
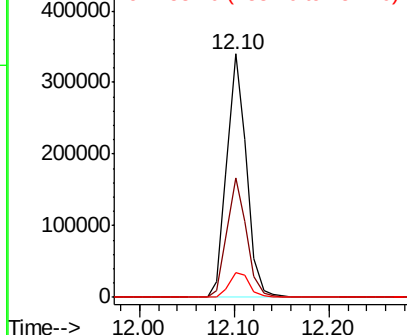
173 100

175 49.2 24.3 73.0

254 10.0 8.3 12.5



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: 13.36 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

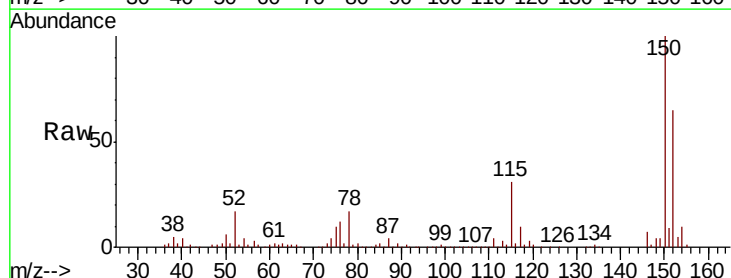
Tgt Ion:152 Resp: 981286

Ion Ratio Lower Upper

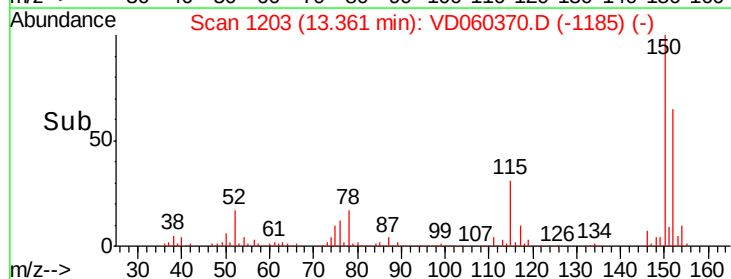
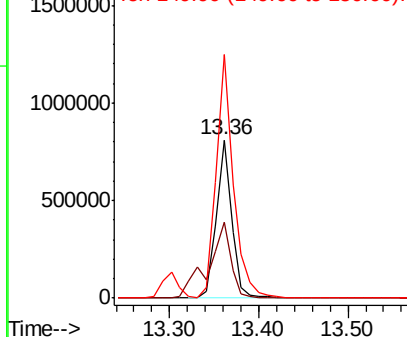
152 100

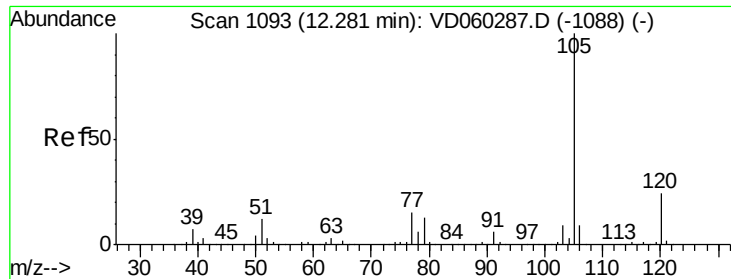
115 48.0 24.1 72.3

150 153.8 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: 48.718 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

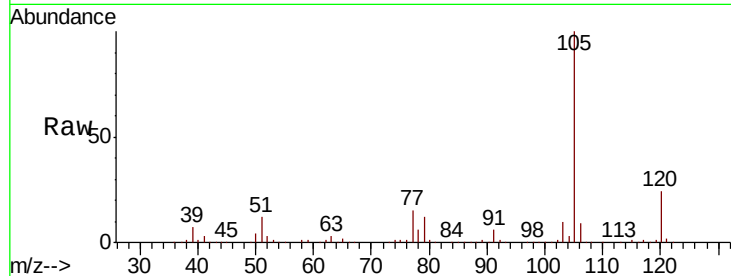
VSTDCCC050

Tot Ion:105 Resp: 3483055

Ion Ratio Lower Upper

105 100

120 23.8 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

1000000

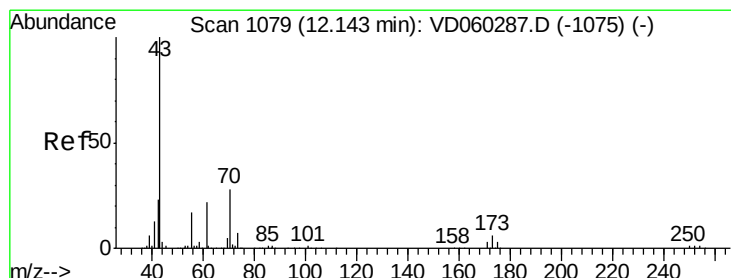
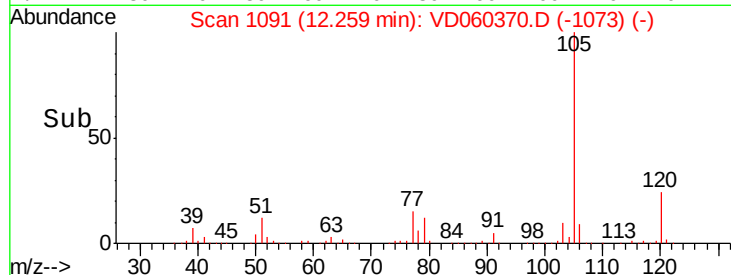
500000

0

12.26

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 47.791 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Tgt Ion: 43 Resp: 875985

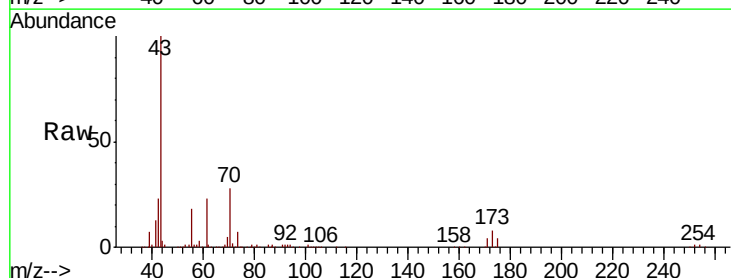
Ion Ratio Lower Upper

43 100

70 27.9 23.0 34.4

55 17.7 14.2 21.4

61 22.7 17.8 26.8



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

1000000

800000

600000

400000

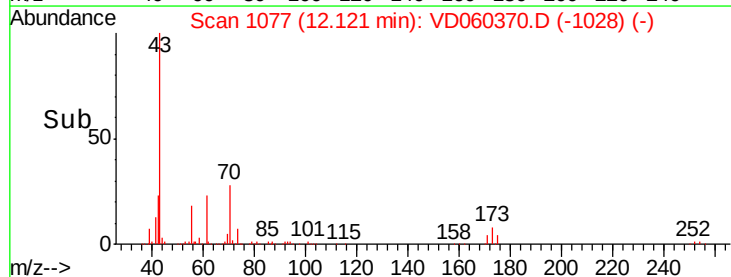
200000

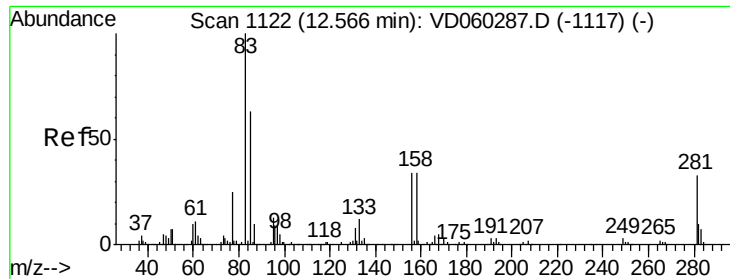
0

12.12

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.334 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

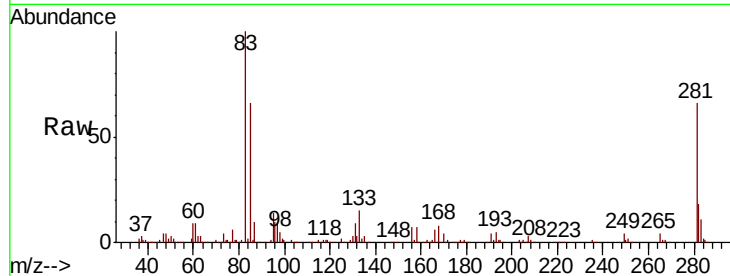
Tot Ion: 83 Resp: 576839

Ion Ratio Lower Upper

83 100

131 9.5 3.9 11.5

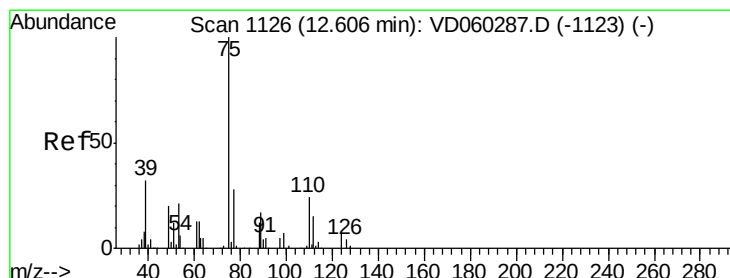
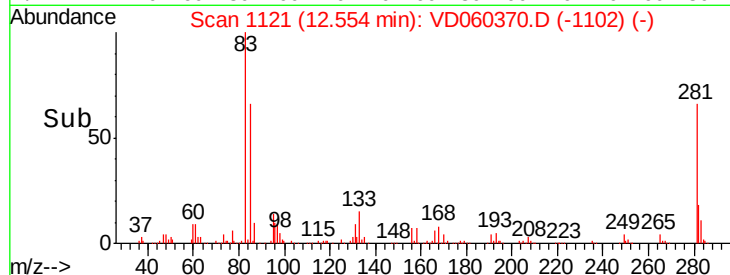
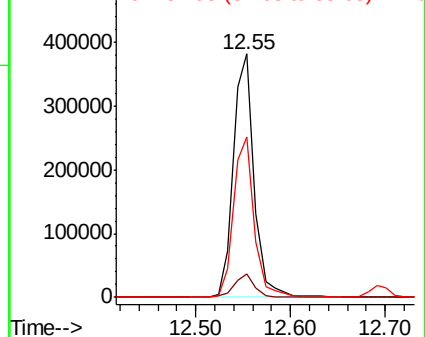
85 65.9 32.0 96.0



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: 50.425 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VD060370.D

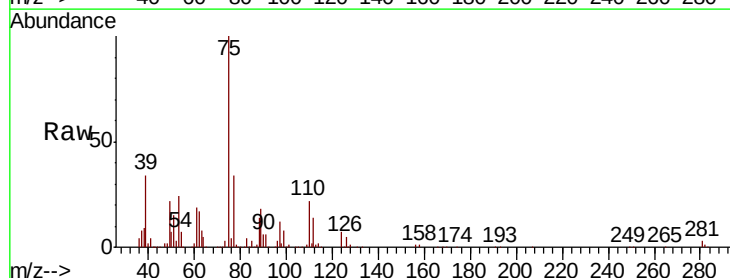
Acq: 14 Nov 2018 10:20

Tgt Ion: 75 Resp: 591911

Ion Ratio Lower Upper

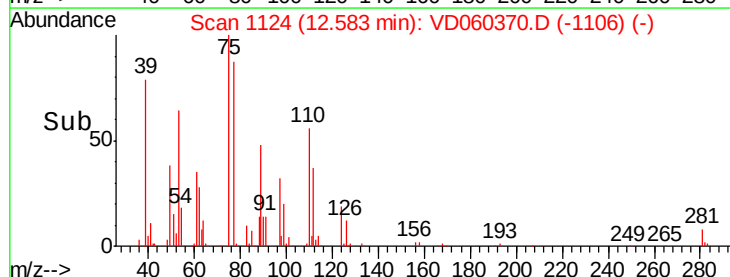
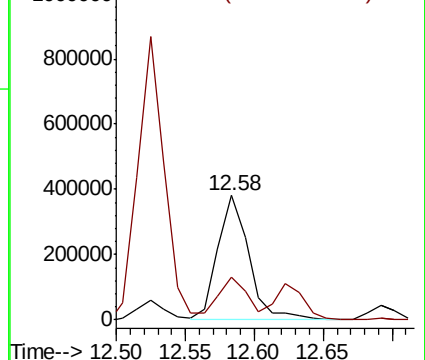
75 100

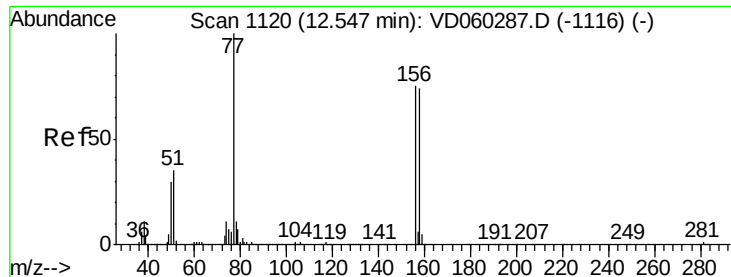
77 34.3 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.736 ug/l

RT: 12.52 min Scan# 1118

Delta R.T. -0.02 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

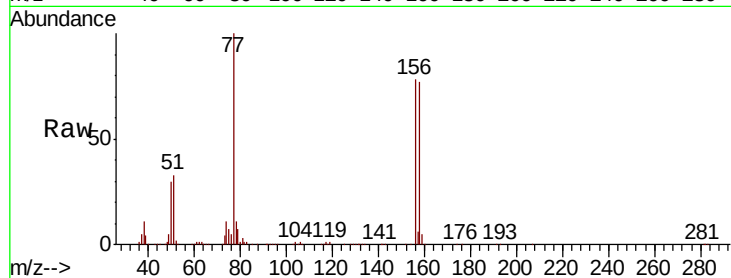
Tot Ion:156 Resp: 963505

Ion Ratio Lower Upper

156 100

77 128.0 61.2 183.6

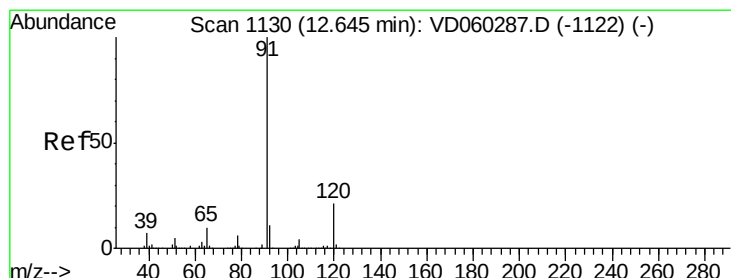
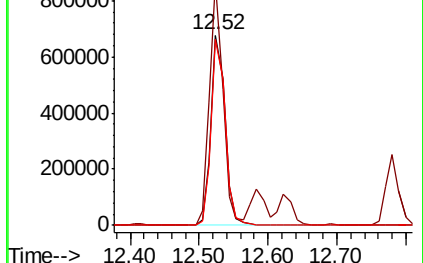
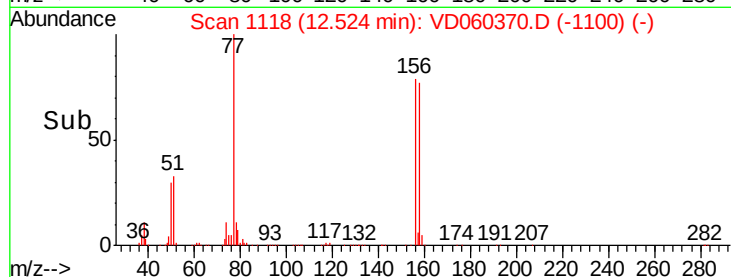
158 98.0 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.336 ug/l

RT: 12.62 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060370.D

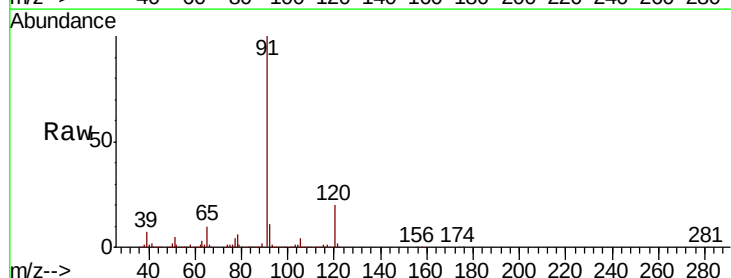
Acq: 14 Nov 2018 10:20

Tgt Ion: 91 Resp: 4402663

Ion Ratio Lower Upper

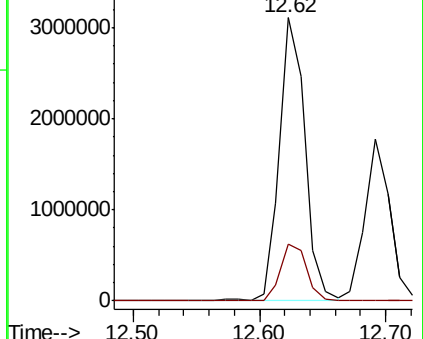
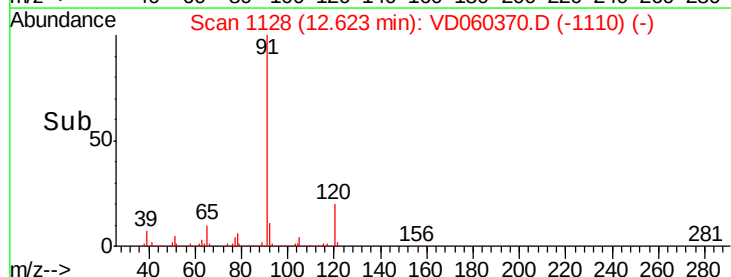
91 100

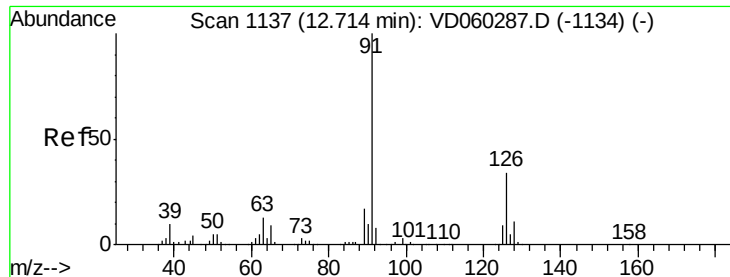
120 20.2 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 49.832 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

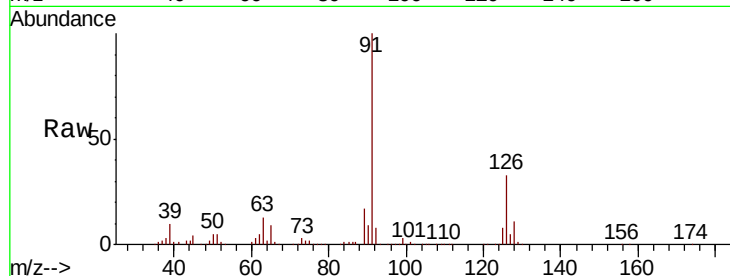
VSTDCCC050

Tot Ion: 91 Resp: 2435530

Ion Ratio Lower Upper

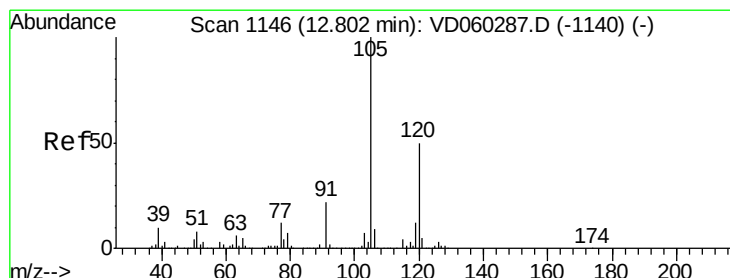
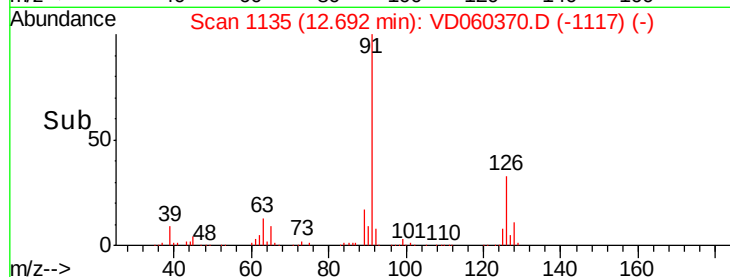
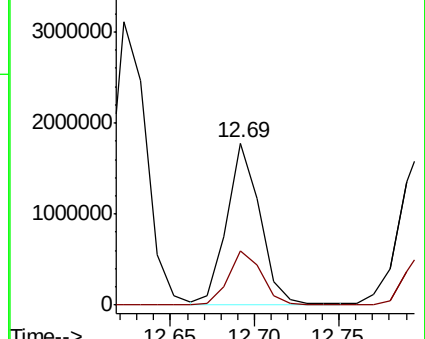
91 100

126 33.3 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 47.648 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VD060370.D

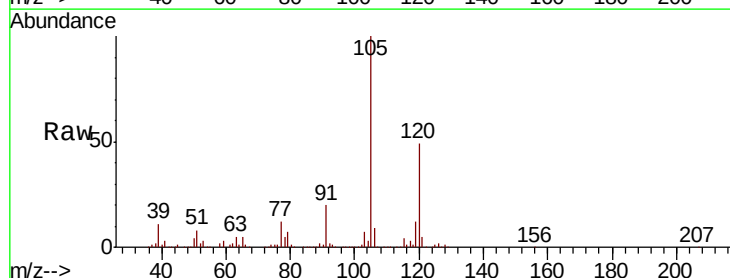
Acq: 14 Nov 2018 10:20

Tgt Ion:105 Resp: 2647411

Ion Ratio Lower Upper

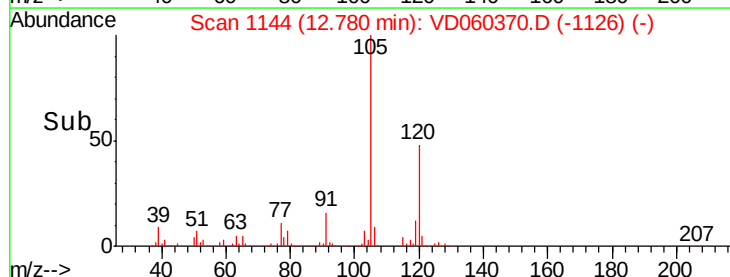
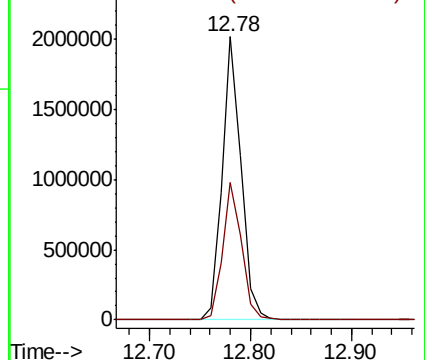
105 100

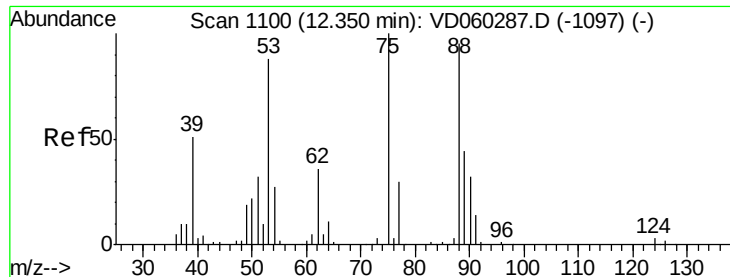
120 48.6 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.326 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.02 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

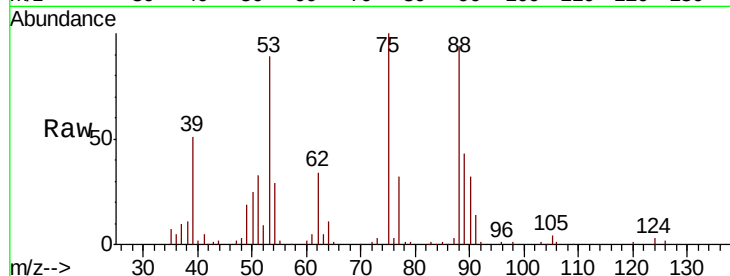
Tot Ion: 75 Resp: 174870

Ion Ratio Lower Upper

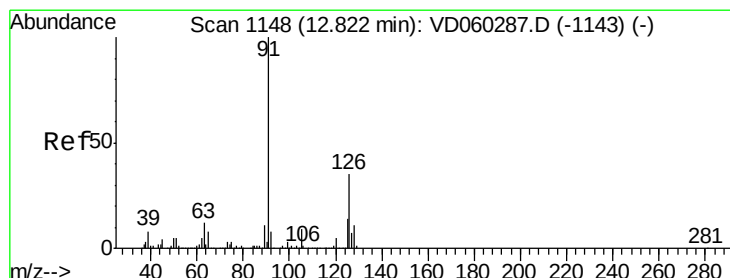
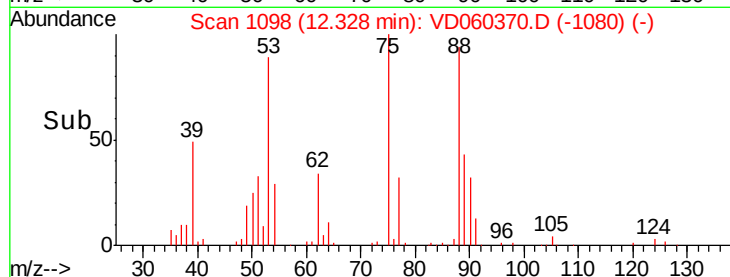
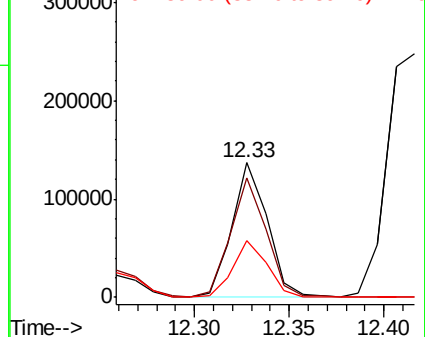
75 100

53 89.1 68.6 103.0

89 42.6 34.1 51.1



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: 48.440 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.02 min

Lab File: VD060370.D

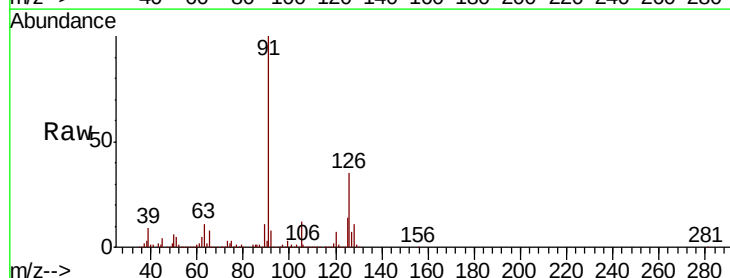
Acq: 14 Nov 2018 10:20

Tgt Ion: 91 Resp: 2659480

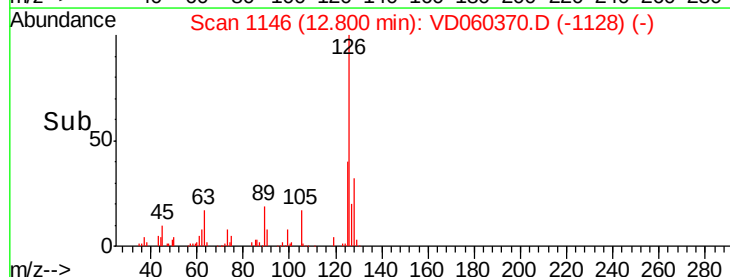
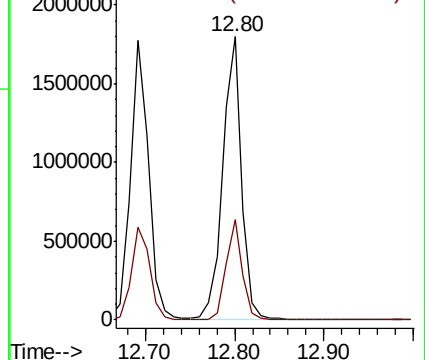
Ion Ratio Lower Upper

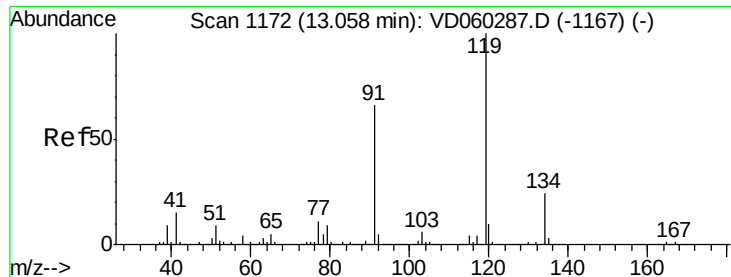
91 100

126 35.5 14.8 44.4



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

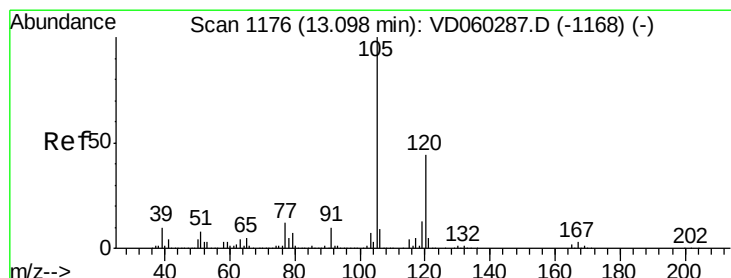
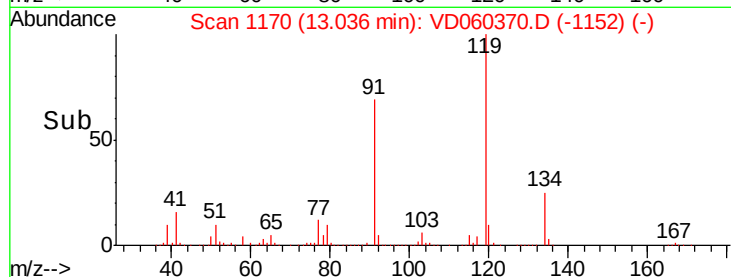
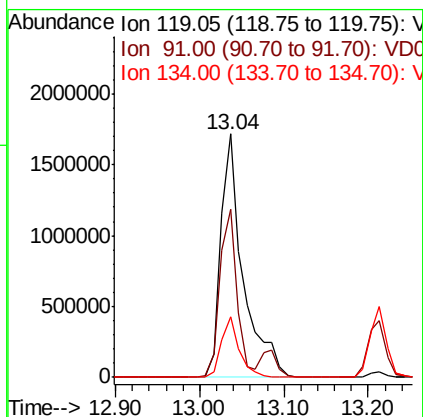
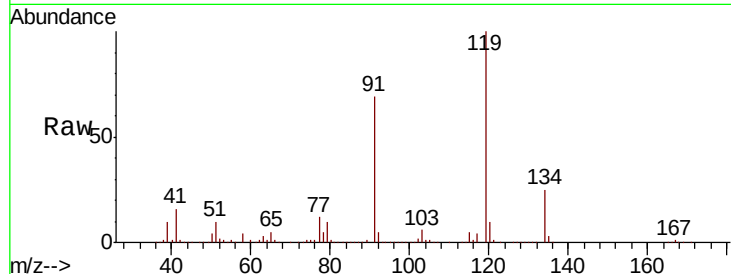




#83
 tert-Butylbenzene
 Concen: 51.453 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

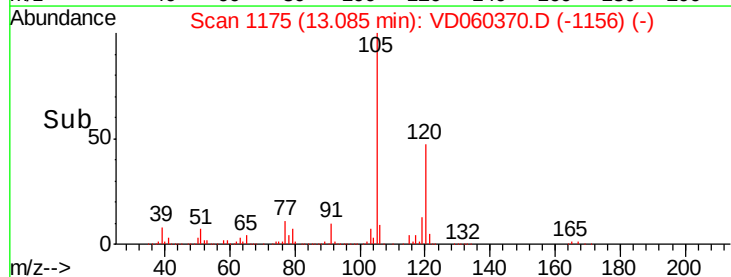
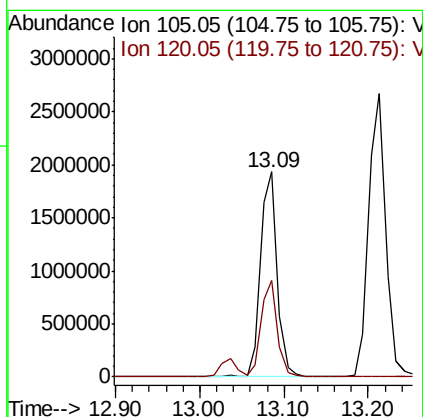
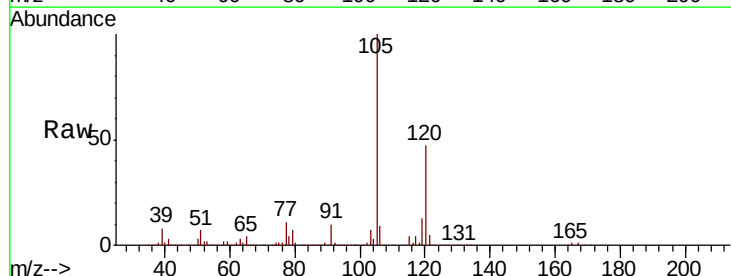
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

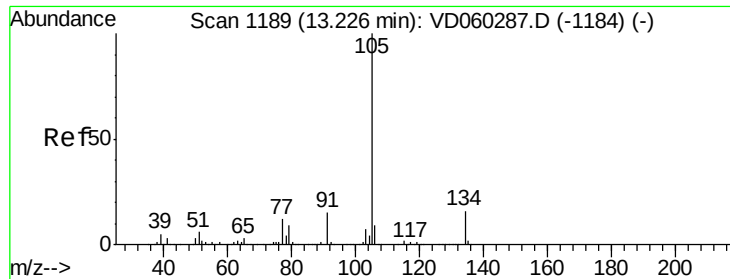
Tot Ion:119 Resp: 3173900
 Ion Ratio Lower Upper
 119 100
 91 69.0 32.7 98.1
 134 24.7 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 49.044 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

Tgt Ion:105 Resp: 2721420
 Ion Ratio Lower Upper
 105 100
 120 47.3 21.9 65.8





#85

sec-Butylbenzene

Concen: 49.641 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

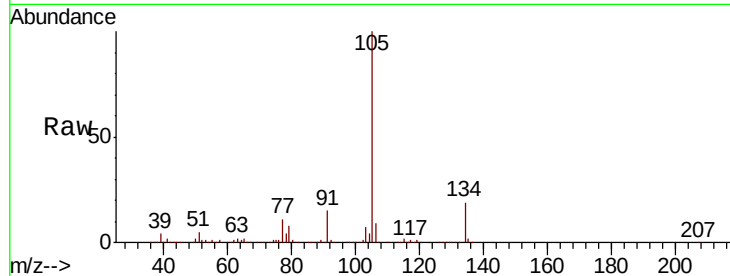
VSTDCCC050

Tot Ion:105 Resp: 3756857

Ion Ratio Lower Upper

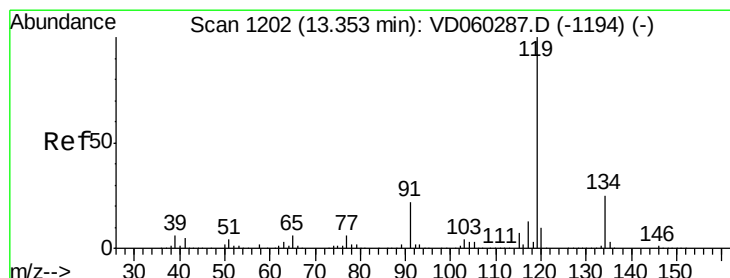
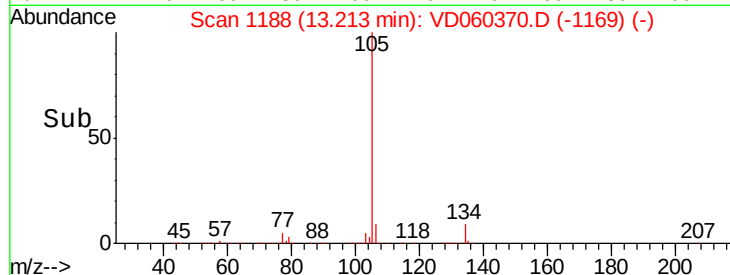
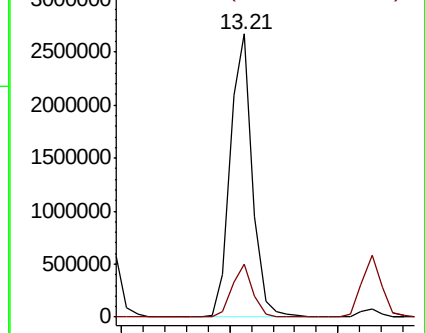
105 100

134 18.7 8.0 24.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 48.036 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

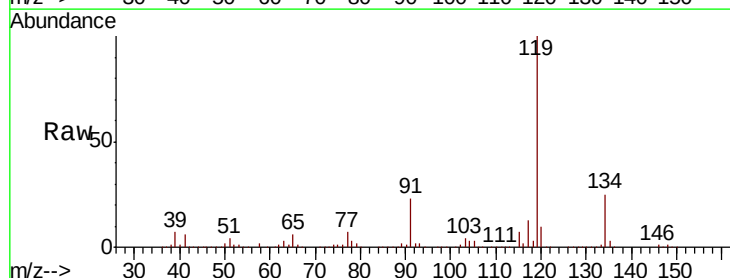
Tgt Ion:119 Resp: 2927589

Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.6

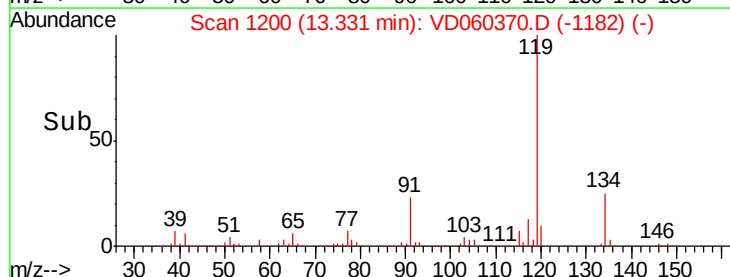
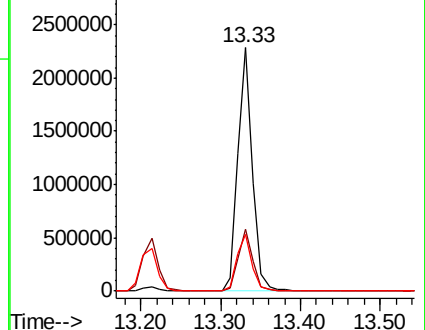
91 23.3 11.3 33.8

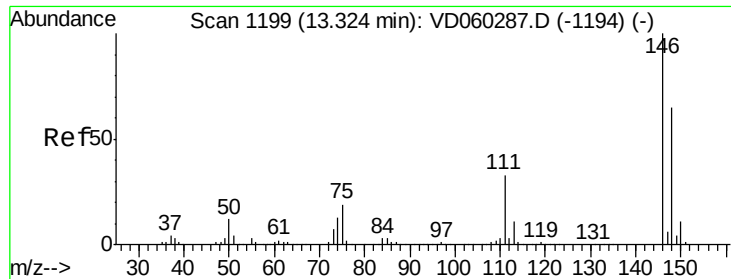


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

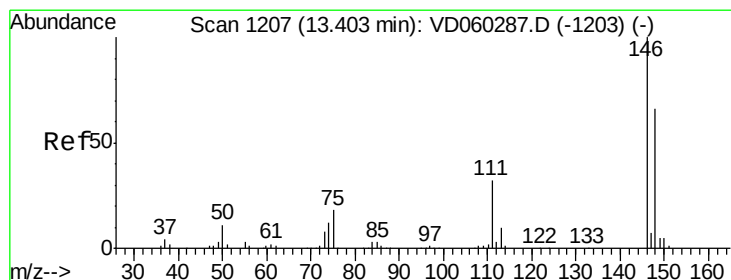
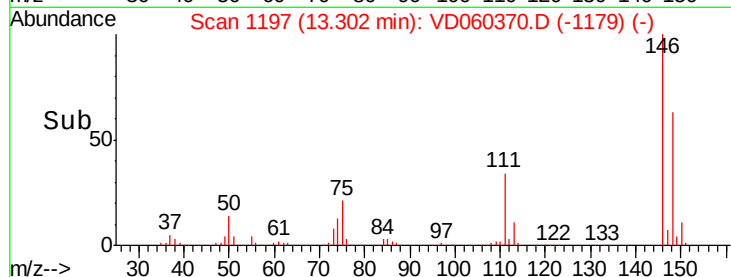
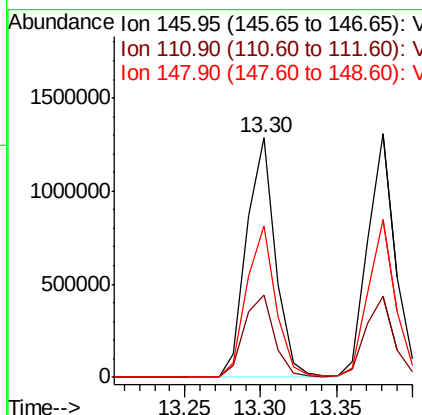
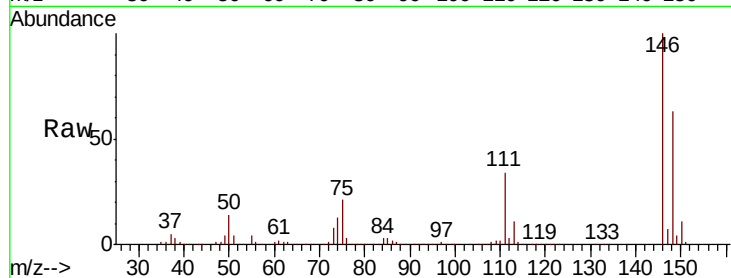




#87
 1,3-Dichlorobenzene
 Concen: 50.812 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

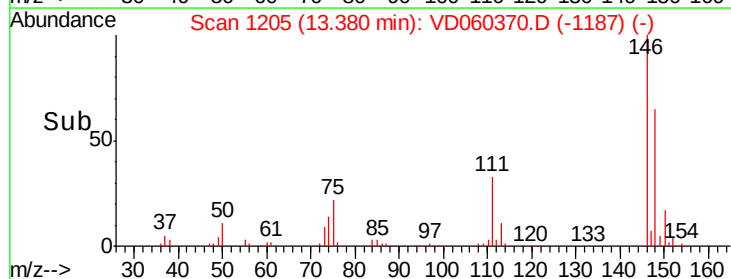
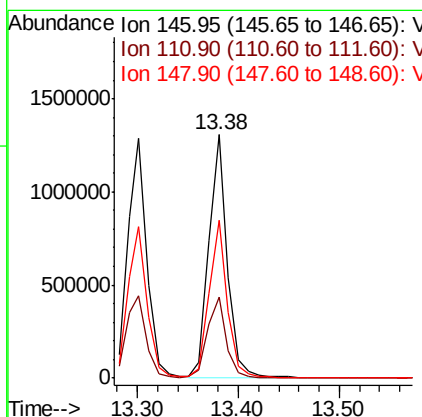
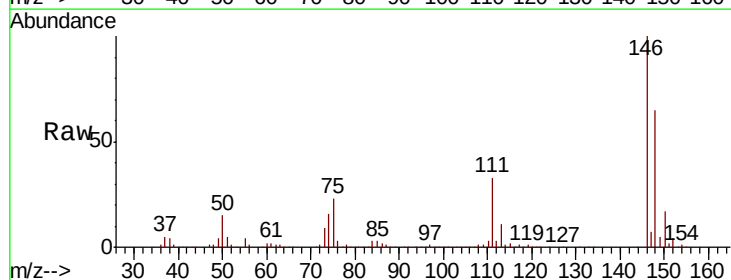
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

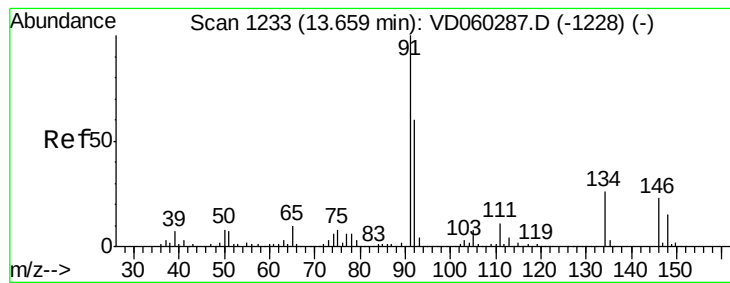
Tot Ion:146 Resp: 1716791
 Ion Ratio Lower Upper
 146 100
 111 34.3 20.2 60.5
 148 63.4 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 50.708 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

Tgt Ion:146 Resp: 1673237
 Ion Ratio Lower Upper
 146 100
 111 33.4 16.0 47.9
 148 64.6 32.9 98.7





#89

n-Butylbenzene

Concen: 51.999 ug/l

RT: 13.64 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD060370.D

Acq: 14 Nov 2018 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

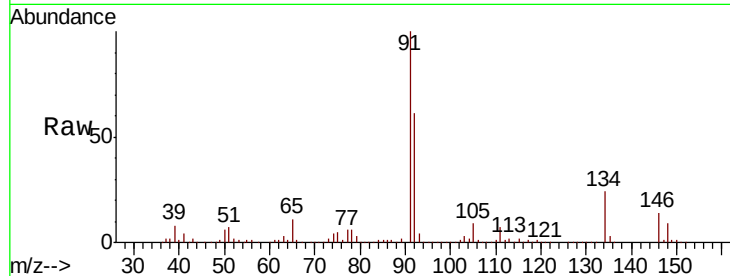
Tot Ion: 91 Resp: 3061991

Ion Ratio Lower Upper

91 100

92 60.6 30.3 90.9

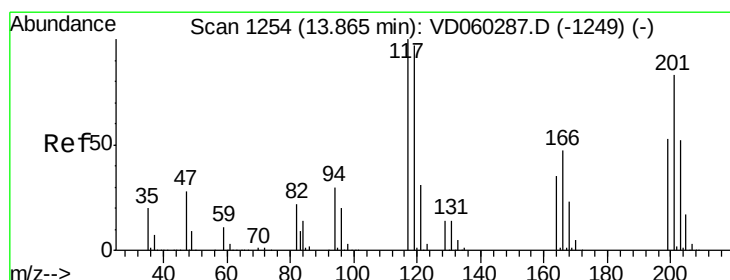
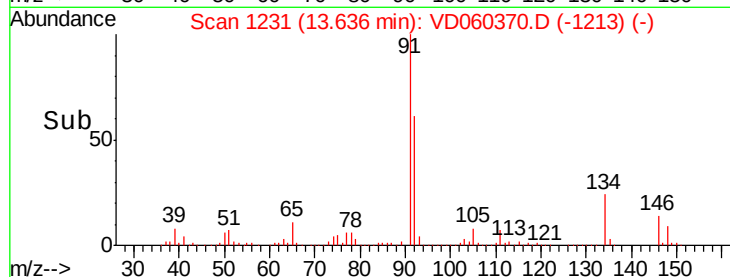
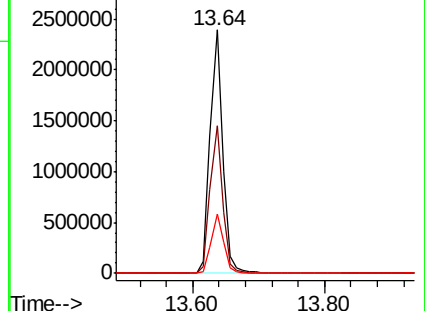
134 24.3 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 51.943 ug/l

RT: 13.84 min Scan# 1252

Delta R.T. -0.02 min

Lab File: VD060370.D

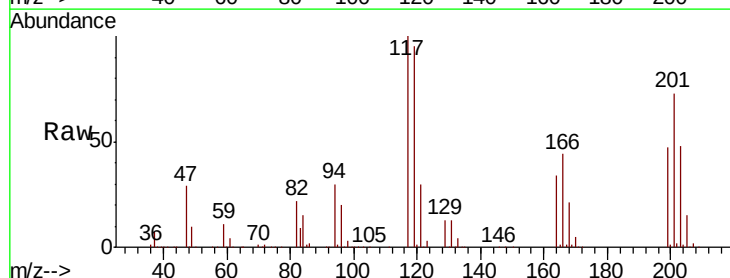
Acq: 14 Nov 2018 10:20

Tgt Ion: 117 Resp: 750659

Ion Ratio Lower Upper

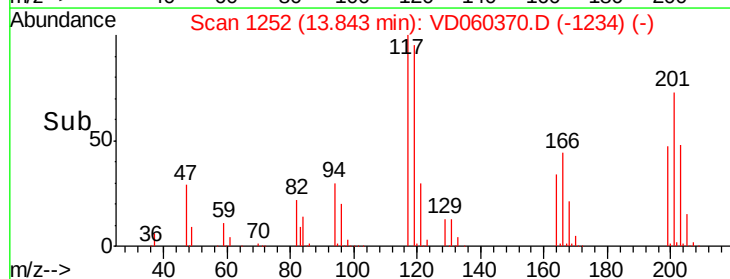
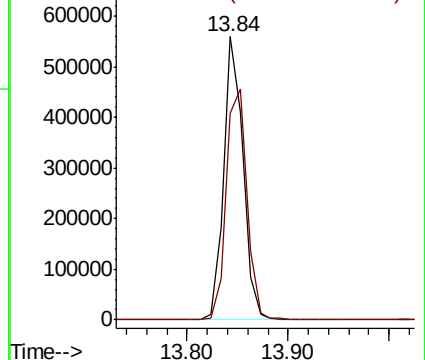
117 100

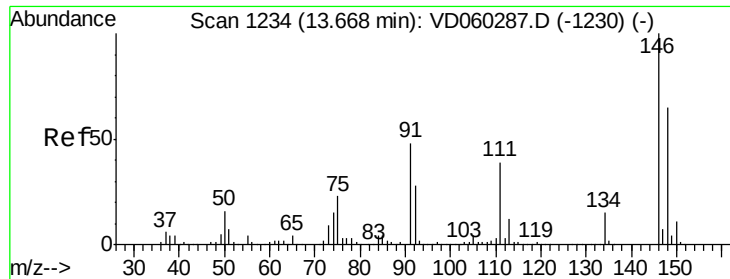
201 72.8 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

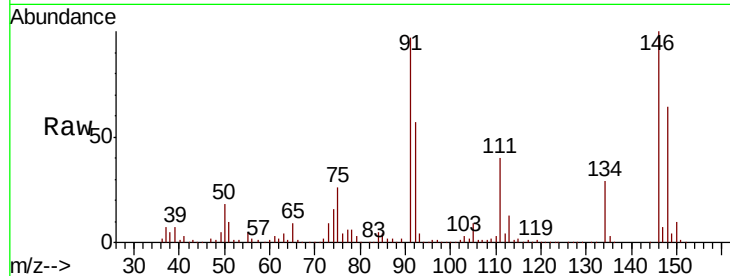




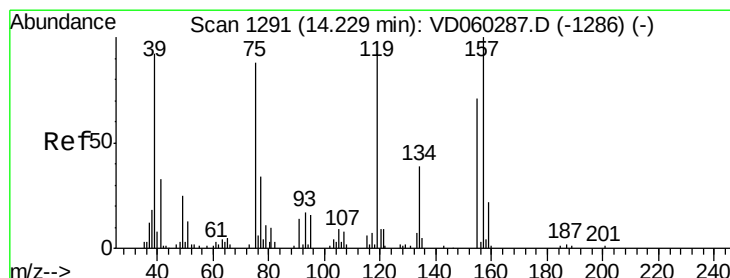
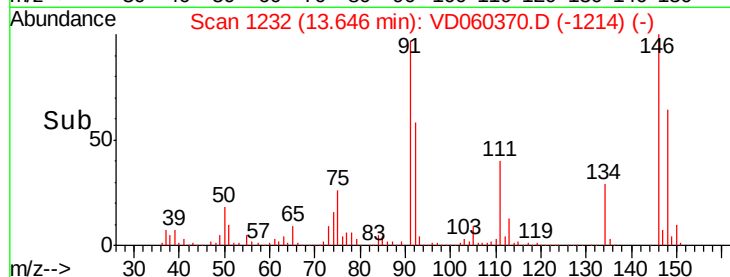
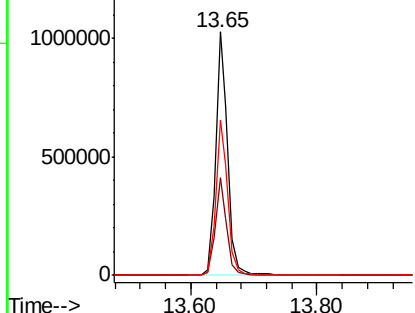
#91
 1,2-Dichlorobenzene
 Concen: 49.586 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1376109
 Ion Ratio Lower Upper
 146 100
 111 40.2 18.9 56.9
 148 63.9 31.6 94.8

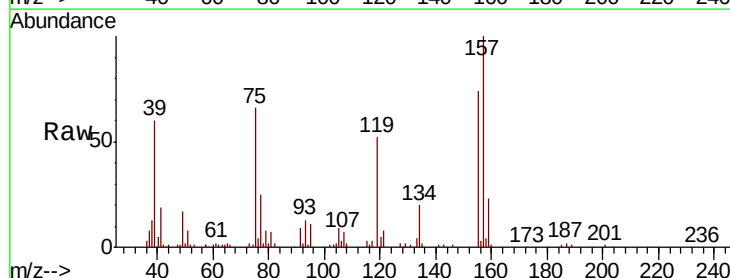


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

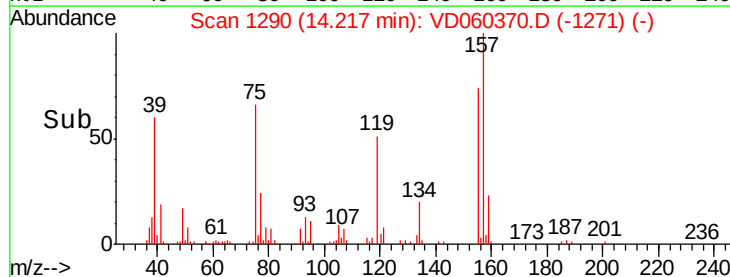
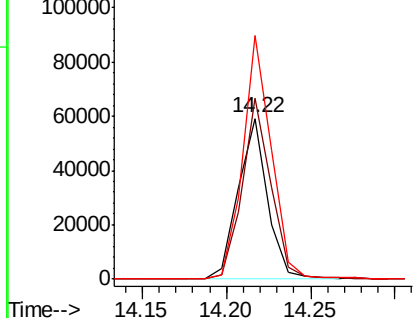


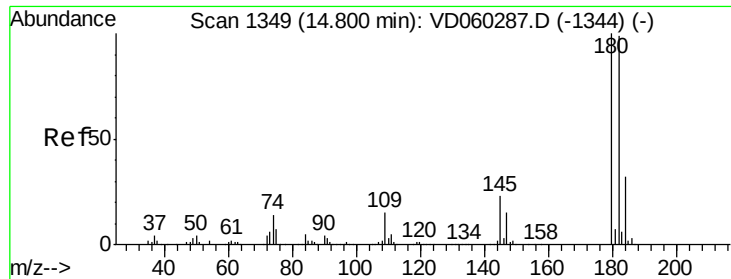
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.364 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

Tgt Ion: 75 Resp: 71084
 Ion Ratio Lower Upper
 75 100
 155 112.3 64.3 192.9
 157 151.5 81.0 243.1



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

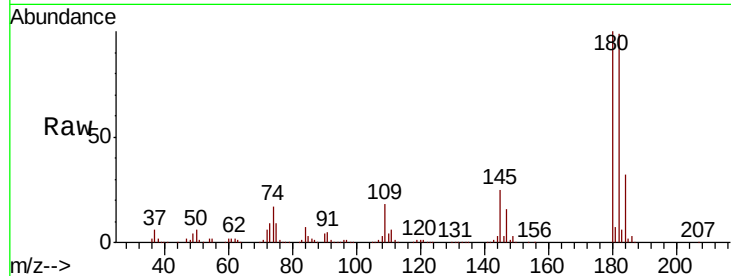




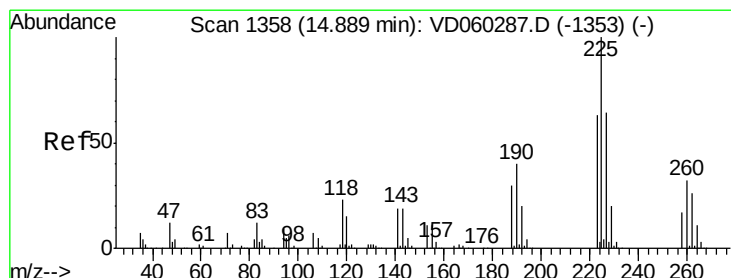
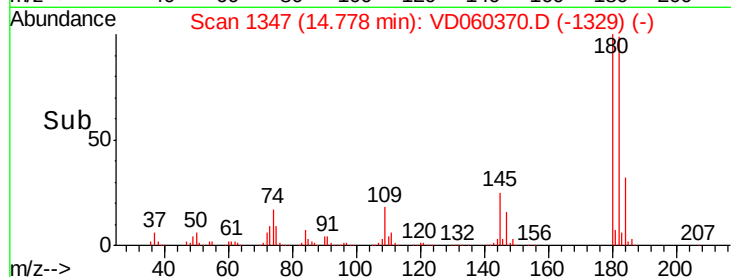
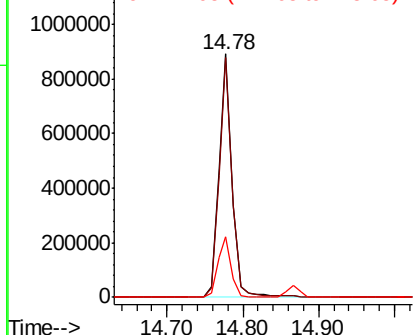
#93
 1,2,4-Trichlorobenzene
 Concen: 49.500 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 1089166
 Ion Ratio Lower Upper
 180 100
 182 98.6 48.1 144.4
 145 24.8 11.5 34.4

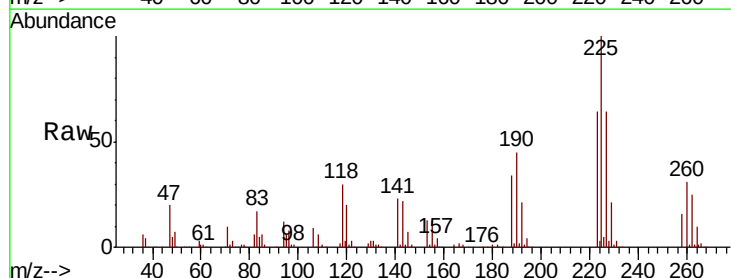


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

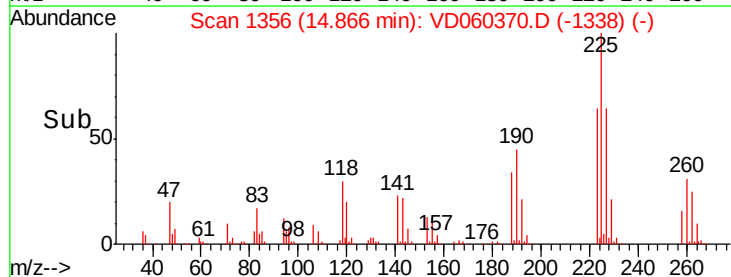
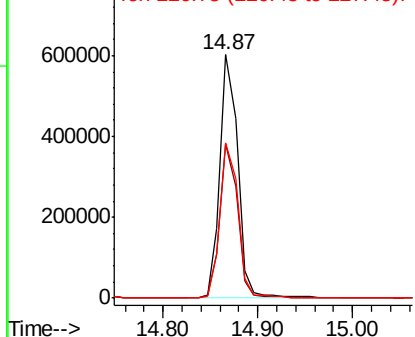


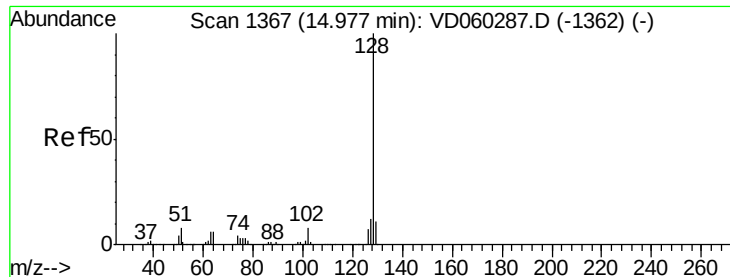
#94
 Hexachlorobutadiene
 Concen: 48.235 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.02 min
 Lab File: VD060370.D
 Acq: 14 Nov 2018 10:20

Tgt Ion:225 Resp: 793841
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.6 94.8
 227 63.8 32.3 96.9



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

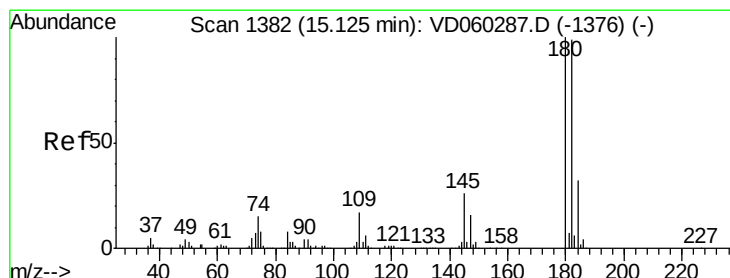
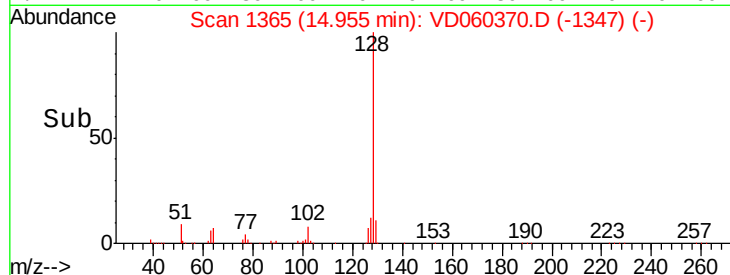
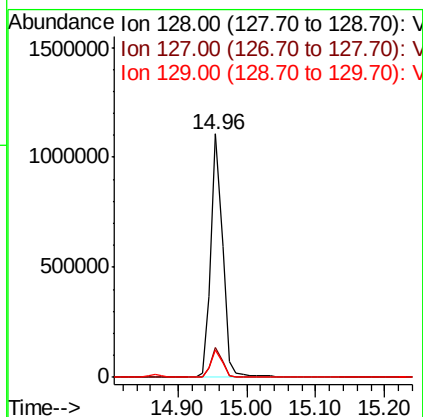
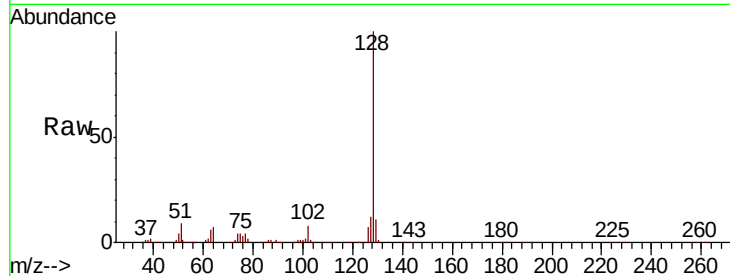




#95
Naphthalene
Concen: 49.430 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1328075
Ion Ratio Lower Upper
128 100
127 12.2 9.6 14.4
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 49.518 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.02 min
Lab File: VD060370.D
Acq: 14 Nov 2018 10:20

Tgt Ion:180 Resp: 873107
Ion Ratio Lower Upper
180 100
182 98.2 48.9 146.7
145 27.3 12.9 38.6

