

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112918\
 Data File : VD060458.D
 Acq On : 29 Nov 2018 10:18
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 30 04:51:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1526359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2124243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1661824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	833950	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	522375	47.80	ug/l	0.00
Spiked Amount						
			Recovery	=	95.60%	
35) Dibromofluoromethane	6.35	113	779702	49.22	ug/l	0.01
Spiked Amount						
			Recovery	=	98.44%	
50) Toluene-d8	9.47	98	2241062	48.34	ug/l	0.00
Spiked Amount						
			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.43	95	795391	47.35	ug/l	0.00
Spiked Amount						
			Recovery	=	94.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.62	85	563090	46.733	ug/l	97
3) Chloromethane	1.79	50	638483	44.161	ug/l	100
4) Vinyl Chloride	1.88	62	572219	48.462	ug/l	100
5) Bromomethane	2.19	94	137021	48.913	ug/l	100
6) Chloroethane	2.29	64	181673	46.371	ug/l	99
7) Trichlorofluoromethane	2.54	101	676770	48.615	ug/l	99
8) Diethyl Ether	2.86	74	122210	48.489	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.12	101	462209	50.481	ug/l	97
10) Methyl Iodide	3.28	142	531287	44.676	ug/l	95
11) Tert butyl alcohol	4.00	59	125398	279.418	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	363316	48.782	ug/l	96
13) Acrolein	3.01	56	85381	161.009	ug/l	96
14) Allyl chloride	3.57	41	750510	52.666	ug/l	98
15) Acrylonitrile	4.12	53	664447	253.890	ug/l	100
16) Acetone	3.19	43	531298	280.258	ug/l	100
17) Carbon Disulfide	3.35	76	1059611	44.078	ug/l	99
18) Methyl Acetate	3.58	43	220578	54.569	ug/l	99
19) Methyl tert-butyl Ether	4.15	73	1144437	51.318	ug/l	100
20) Methylene Chloride	3.75	84	799436	47.538	ug/l	98
21) trans-1,2-Dichloroethene	4.13	96	850620	51.439	ug/l	98
22) Diisopropyl ether	4.88	45	2730093	51.279	ug/l	94
23) Vinyl Acetate	4.83	43	6634792	250.453	ug/l	98
24) 1,1-Dichloroethane	4.78	63	1419539	51.996	ug/l	99
25) 2-Butanone	5.64	43	1004555	254.935	ug/l	99
26) 2,2-Dichloropropane	5.61	77	1158726	54.591	ug/l	99
27) cis-1,2-Dichloroethene	5.62	96	903126	52.424	ug/l	98
28) Bromochloromethane	5.95	49	578743	48.044	ug/l	99
29) Tetrahydrofuran	5.98	42	500180	240.760	ug/l	99
30) Chloroform	6.12	83	1443995	52.907	ug/l	99
31) Cyclohexane	6.39	56	1221358	46.806	ug/l	98
32) 1,1,1-Trichloroethane	6.32	97	1236678	53.792	ug/l	98
36) 1,1-Dichloropropene	6.55	75	1078492	51.390	ug/l	98
37) Ethyl Acetate	5.72	43	479652	49.668	ug/l	96
38) Carbon Tetrachloride	6.53	117	1004120	51.578	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	1216199	50.385	ug/l	96
40) Benzene	6.81	78	2776096	51.821	ug/l	100
41) Methacrylonitrile	5.98	41	537137	48.596	ug/l #	95
42) 1,2-Dichloroethane	6.91	62	706621	50.394	ug/l	98
43) Isopropyl Acetate	8.37	43	603044	49.713	ug/l #	95
44) Trichloroethene	7.76	130	849957	52.340	ug/l	96
45) 1,2-Dichloropropane	8.12	63	711617	52.671	ug/l	96
46) Dibromomethane	8.23	93	399905	50.538	ug/l	96
47) Bromodichloromethane	8.50	83	986050	52.881	ug/l	98
48) Methyl methacrylate	8.26	41	371021	50.353	ug/l	98
49) 1,4-Dioxane	8.25	88	64799	1016.395	ug/l	93
51) 4-Methyl-2-Pentanone	9.35	43	1932441	244.756	ug/l	98
52) Toluene	9.57	92	1799146	52.576	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	820319	52.067	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	1056429	52.279	ug/l	99
55) 1,1,2-Trichloroethane	10.20	97	497146	50.124	ug/l	97
56) Ethyl methacrylate	10.04	69	469739	51.510	ug/l	98
57) 1,3-Dichloropropane	10.39	76	755944	50.019	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.94	63	2530831	458.984	ug/l	98
59) 2-Hexanone	10.50	43	1468219	260.909	ug/l	97
60) Dibromochloromethane	10.65	129	641838	53.236	ug/l	100
61) 1,2-Dibromoethane	10.77	107	499778	50.292	ug/l	100
64) Tetrachloroethene	10.27	164	750251	50.570	ug/l	97
65) Chlorobenzene	11.32	112	1899350	52.749	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	614172	52.132	ug/l	97
67) Ethyl Benzene	11.44	91	3122959	50.701	ug/l	100
68) m/p-Xylenes	11.57	106	2375011	104.527	ug/l	99
69) o-Xylene	11.94	106	1129148	51.439	ug/l	96
70) Styrene	11.97	104	1828107	51.532	ug/l	99
71) Bromoform	12.13	173	412829	52.147	ug/l	99
73) Isopropylbenzene	12.28	105	3163455	52.065	ug/l	99
74) N-amyl acetate	12.15	43	786122	50.466	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	492778	49.591	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	503302	50.451	ug/l	98
77) Bromobenzene	12.55	156	801884	49.685	ug/l	97
78) n-propylbenzene	12.65	91	3913364	51.601	ug/l	98
79) 2-Chlorotoluene	12.72	91	2147628	51.705	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	2406528	50.965	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	147470	51.923	ug/l	99
82) 4-Chlorotoluene	12.81	91	2372053	50.838	ug/l	97
83) tert-Butylbenzene	13.05	119	2795472	53.325	ug/l	93
84) 1,2,4-Trimethylbenzene	13.10	105	2466359	52.300	ug/l	100
85) sec-Butylbenzene	13.23	105	3338836	51.912	ug/l	99
86) p-Isopropyltoluene	13.35	119	2750363	53.101	ug/l	95
87) 1,3-Dichlorobenzene	13.32	146	1474627	51.356	ug/l	99
88) 1,4-Dichlorobenzene	13.40	146	1438989	51.313	ug/l	95
89) n-Butylbenzene	13.65	91	2706154	54.581	ug/l	97
90) Hexachloroethane	13.87	117	709910	57.802	ug/l	91
91) 1,2-Dichlorobenzene	13.67	146	1162033	49.270	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	63119	52.621	ug/l	74

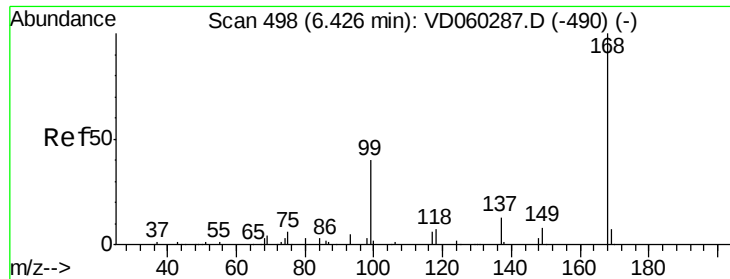
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112918\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	956393	51.145	ug/l	97
94) Hexachlorobutadiene	14.88	225	715031	51.122	ug/l	97
95) Naphthalene	14.97	128	1179412	51.652	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	751744	50.168	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

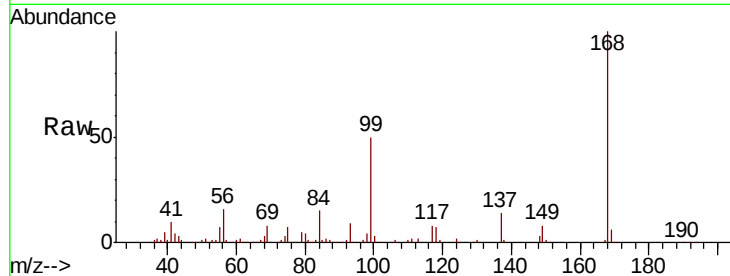
VSTDCCC050

Tot Ion:168 Resp: 1526359

Ion Ratio Lower Upper

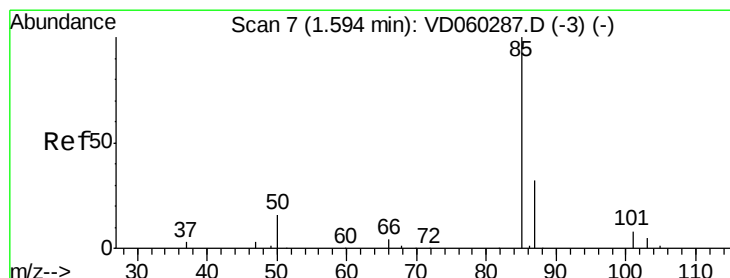
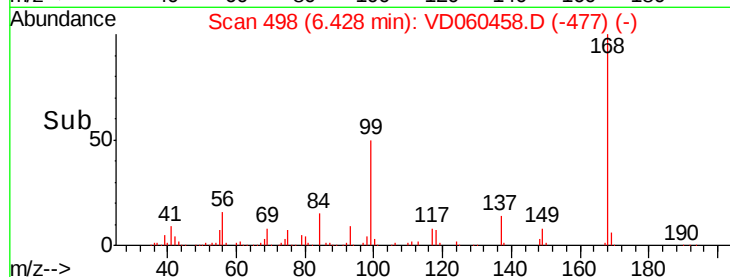
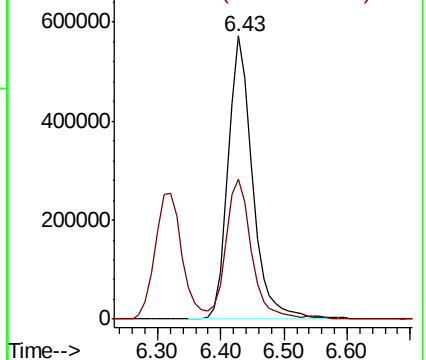
168 100

99 49.5 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: 46.733 ug/l

RT: 1.62 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060458.D

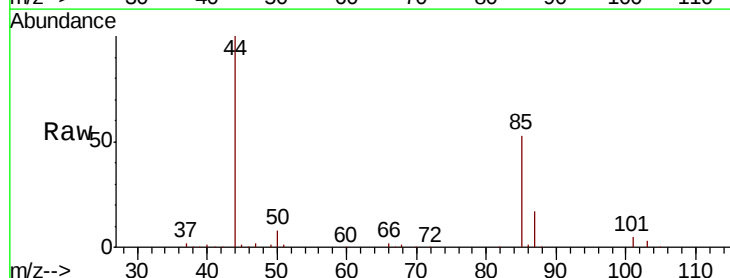
Acq: 29 Nov 2018 10:18

Tgt Ion: 85 Resp: 563090

Ion Ratio Lower Upper

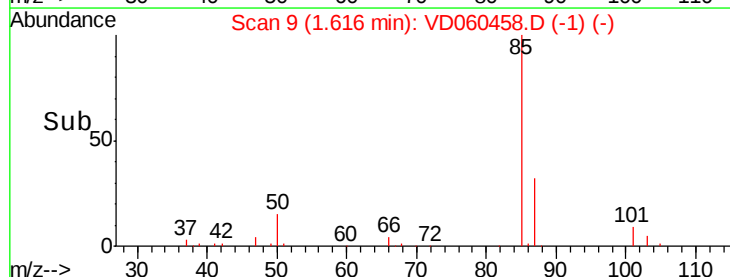
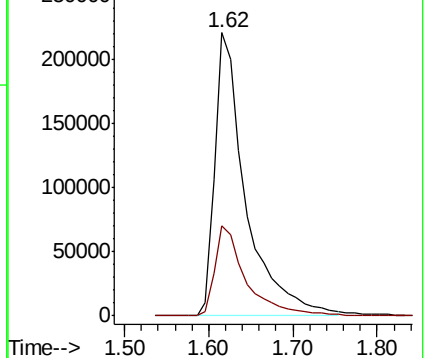
85 100

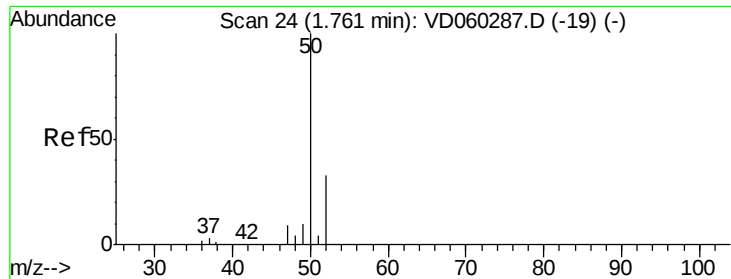
87 31.8 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.161 ug/l

RT: 1.79 min Scan# 27

Delta R.T. 0.03 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

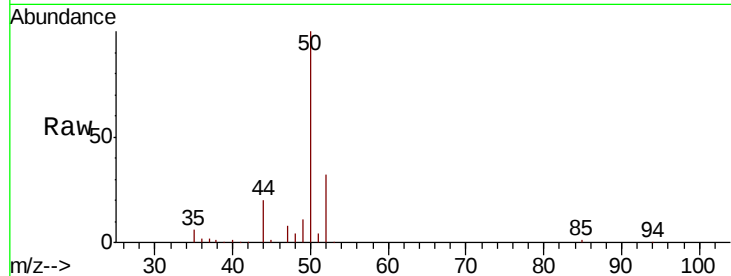
VSTDCCC050

Tot Ion: 50 Resp: 638483

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.79

200000

150000

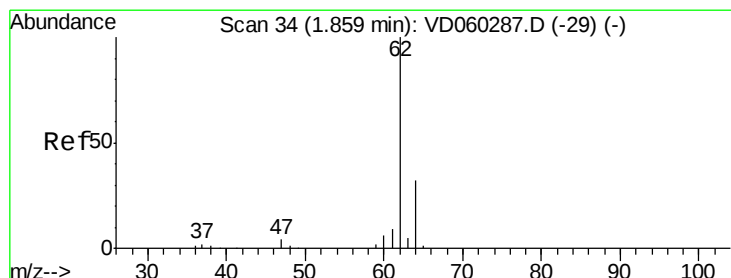
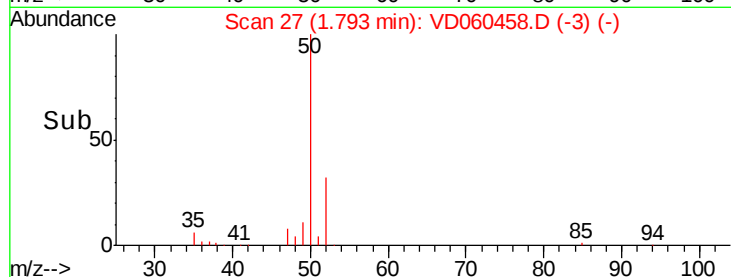
100000

50000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 48.462 ug/l

RT: 1.88 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD060458.D

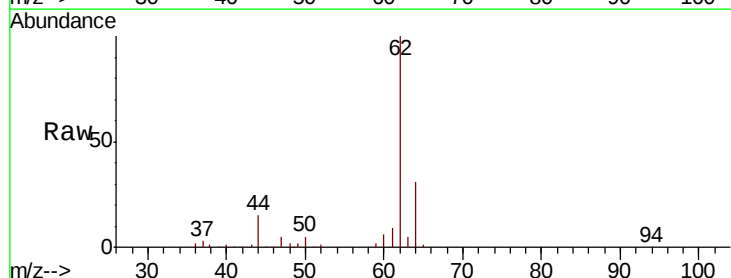
Acq: 29 Nov 2018 10:18

Tgt Ion: 62 Resp: 572219

Ion Ratio Lower Upper

62 100

64 31.2 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.88

250000

200000

150000

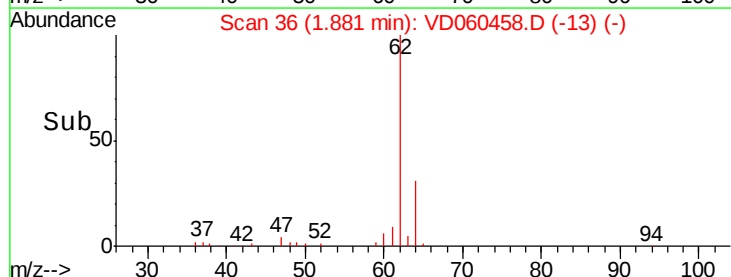
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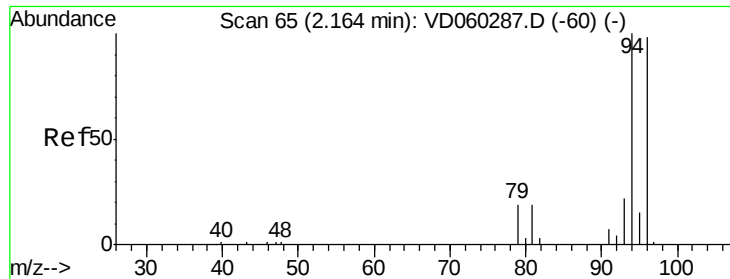
50000

0

1.80 1.90 2.00

Time-->

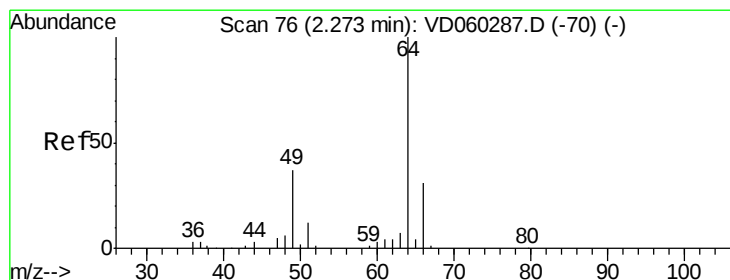
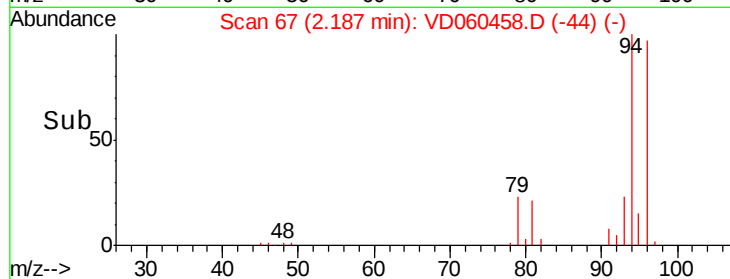
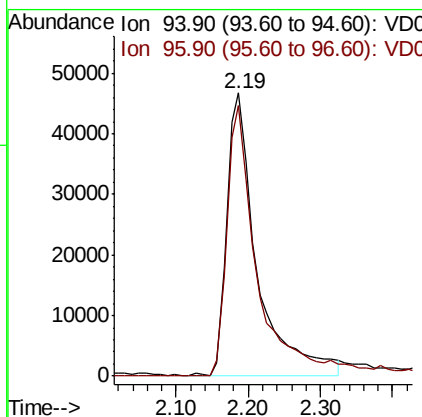
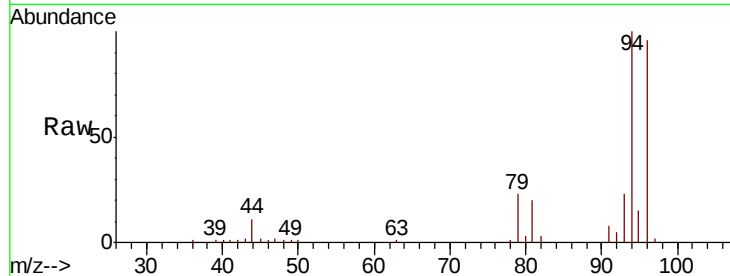




#5
 Bromomethane
 Concen: 48.913 ug/l
 RT: 2.19 min Scan# 67
 Delta R.T. 0.02 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

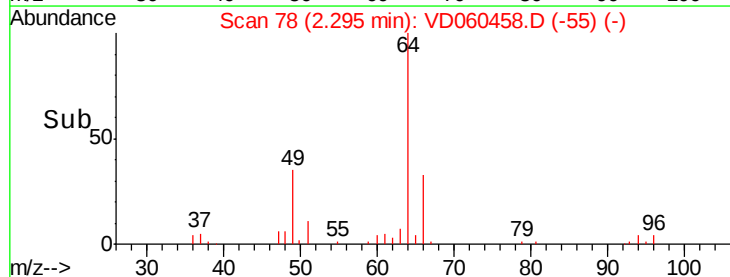
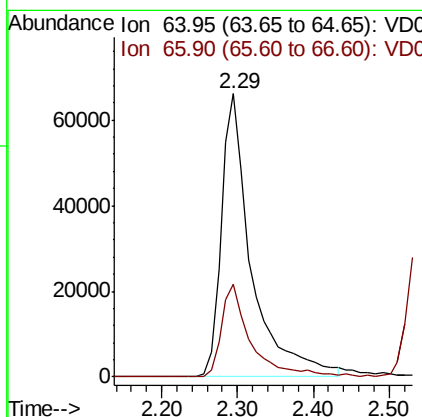
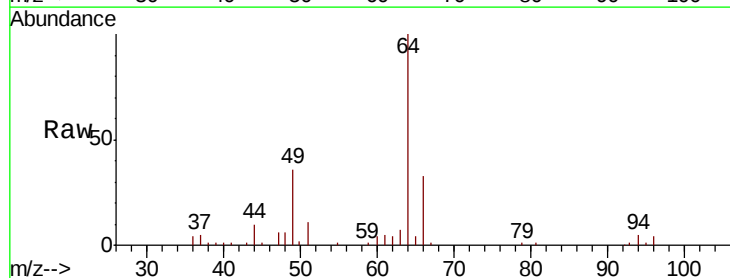
Instrument :
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Tot Ion: 94 Resp: 137021
 Ion Ratio Lower Upper
 94 100
 96 95.8 76.6 114.8



#6
 Chloroethane
 Concen: 46.371 ug/l
 RT: 2.29 min Scan# 78
 Delta R.T. 0.02 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

Tgt Ion: 64 Resp: 181673
 Ion Ratio Lower Upper
 64 100
 66 32.5 26.6 40.0



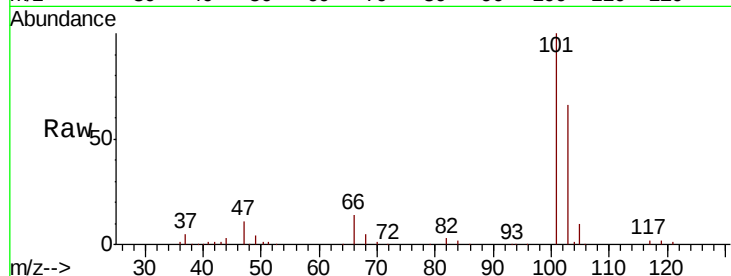


#7

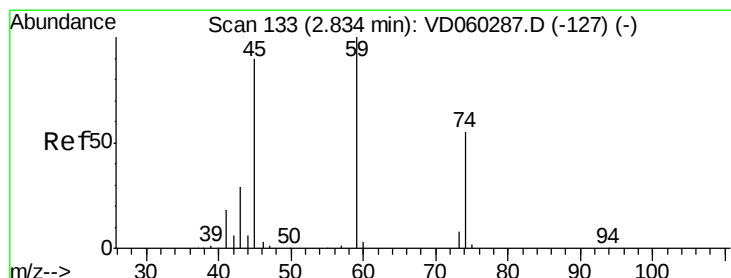
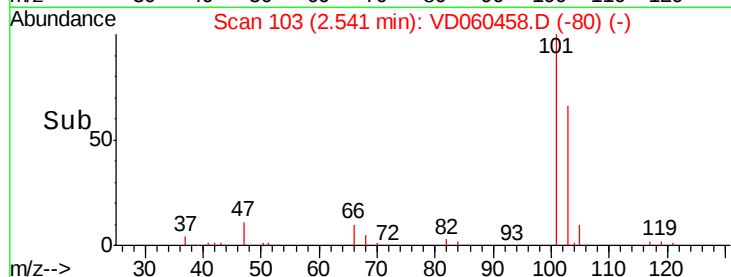
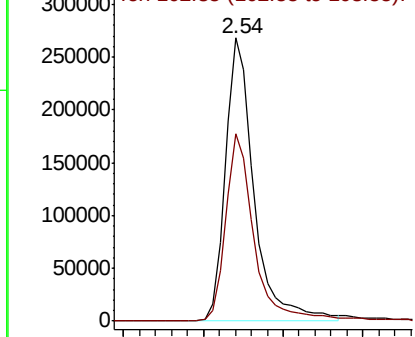
Trichlorofluoromethane
 Concen: 48.615 ug/l
 RT: 2.54 min Scan# 103
 Delta R.T. 0.02 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 676770
 Ion Ratio Lower Upper
 101 100
 103 66.1 53.6 80.4



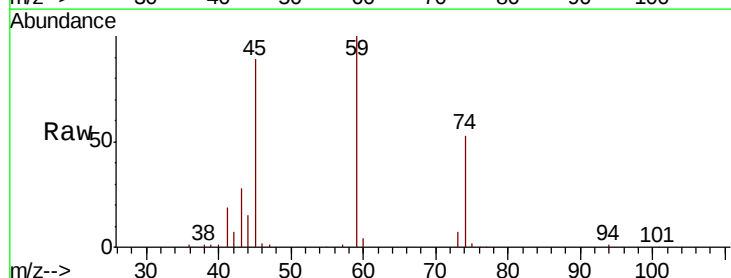
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



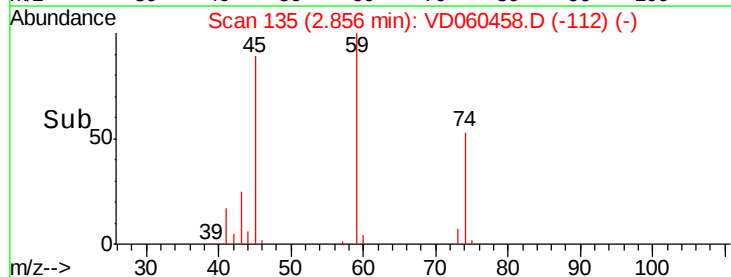
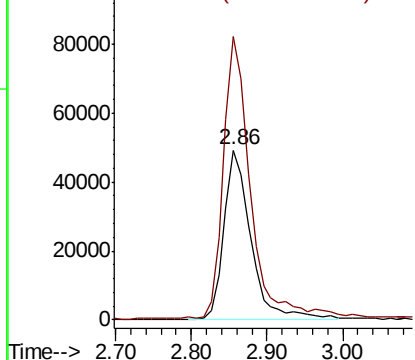
#8

Diethyl Ether
 Concen: 48.489 ug/l
 RT: 2.86 min Scan# 135
 Delta R.T. 0.02 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

Tgt Ion: 74 Resp: 122210
 Ion Ratio Lower Upper
 74 100
 45 167.0 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: 50.481 ug/l

RT: 3.12 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

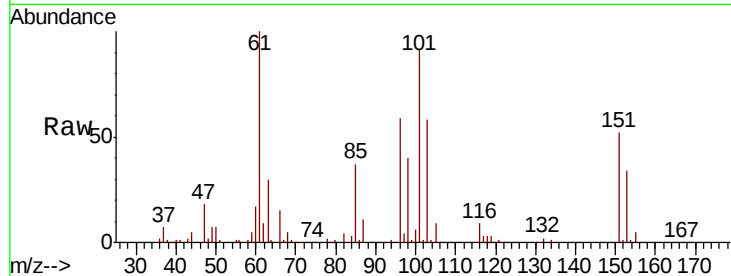
Tot Ion:101 Resp: 462209

Ion Ratio Lower Upper

101 100

85 40.8 31.4 47.0

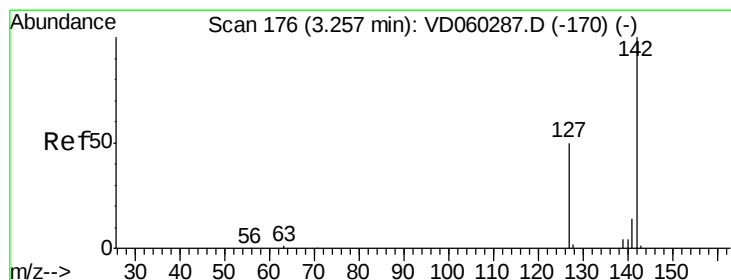
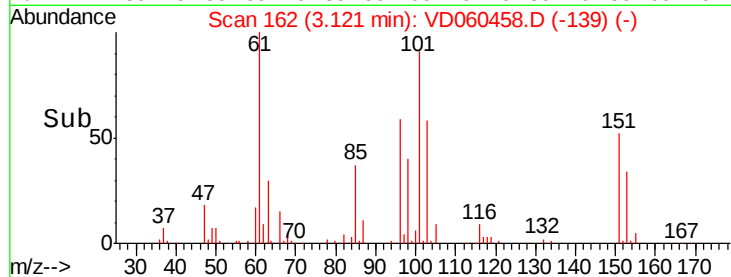
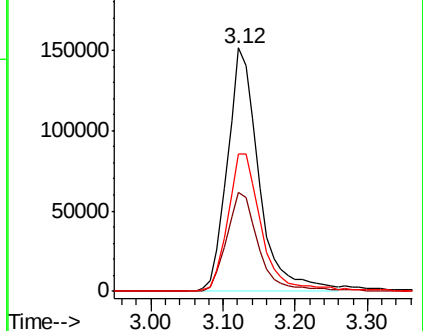
151 56.6 47.4 71.0



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: 44.676 ug/l

RT: 3.28 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

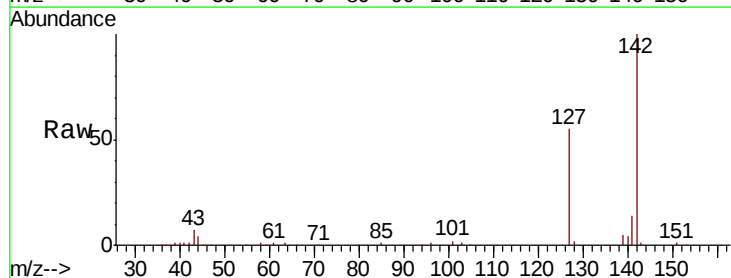
Tgt Ion:142 Resp: 531287

Ion Ratio Lower Upper

142 100

127 55.3 41.0 61.6

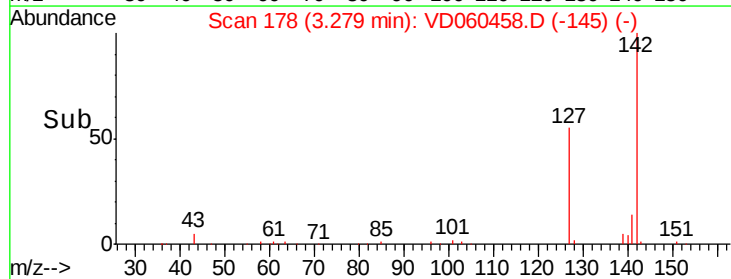
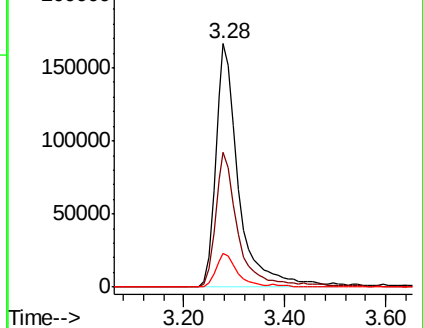
141 13.6 11.9 17.9

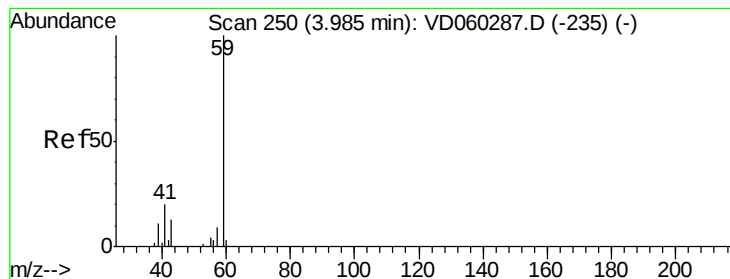


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



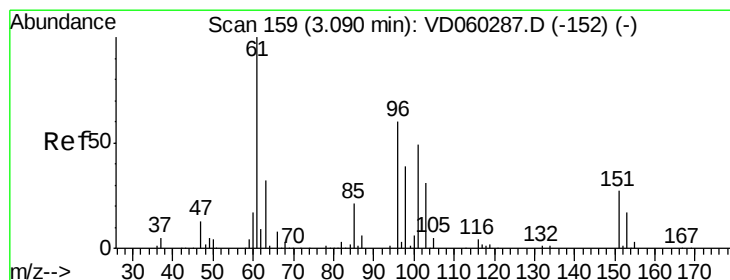
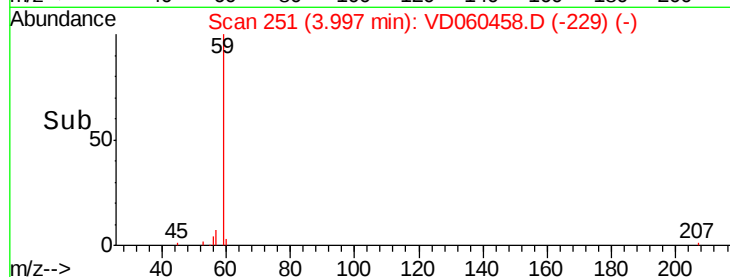
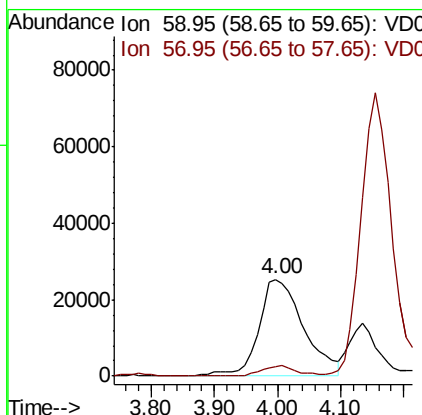
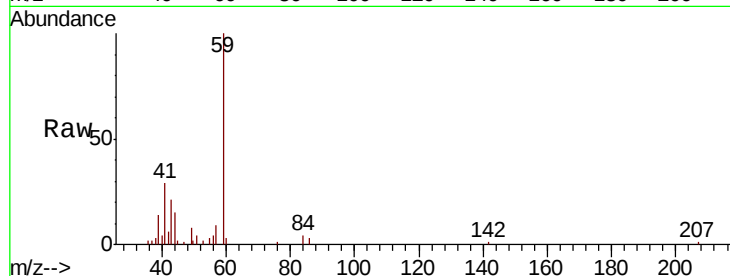


#11

Tert butyl alcohol
Concen: 279.418 ug/l
RT: 4.00 min Scan# 251
Delta R.T. 0.01 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

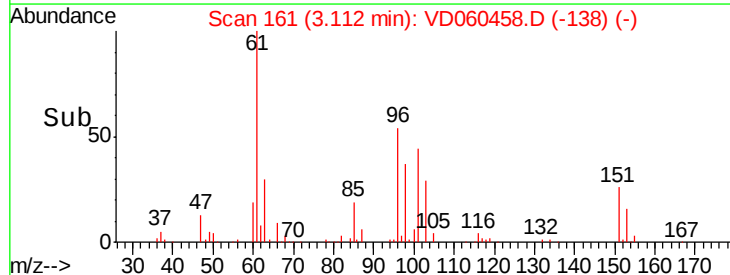
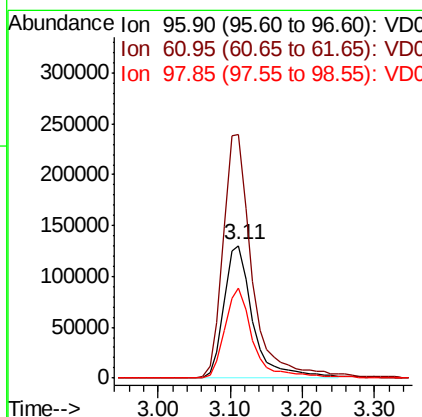
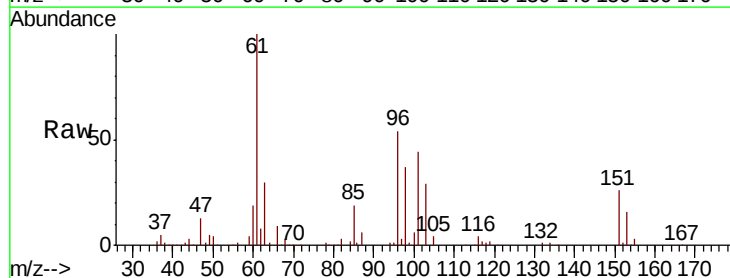
Tot Ion: 59 Resp: 125398
Ion Ratio Lower Upper
59 100
57 9.2 9.3 13.9#

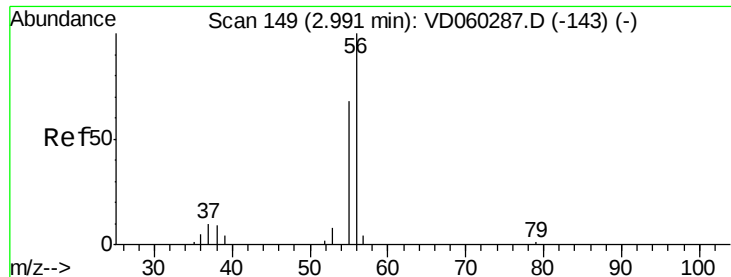


#12

1,1-Dichloroethene
Concen: 48.782 ug/l
RT: 3.11 min Scan# 161
Delta R.T. 0.02 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Tgt Ion: 96 Resp: 363316
Ion Ratio Lower Upper
96 100
61 183.5 142.2 213.4
98 67.6 52.6 79.0





#13

Acrolein

Concen: 161.009 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.02 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

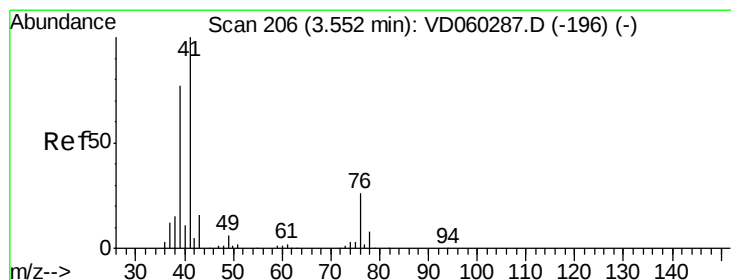
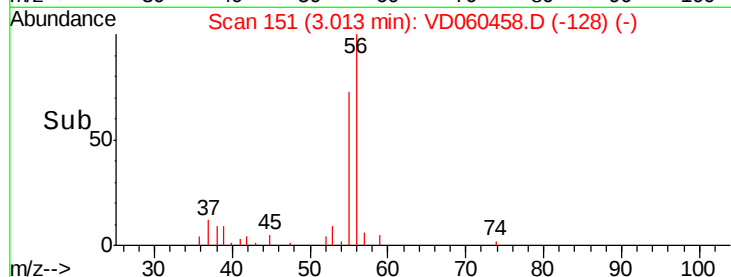
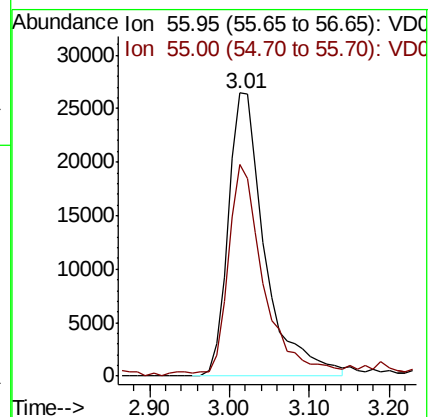
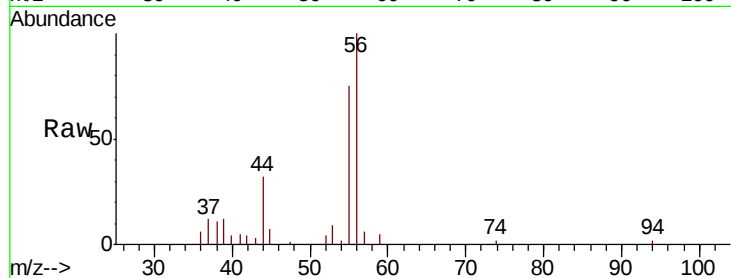
VSTDCCC050

Tot Ion: 56 Resp: 85381

Ion Ratio Lower Upper

56 100

55 75.0 57.0 85.6



#14

Allyl chloride

Concen: 52.666 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.02 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

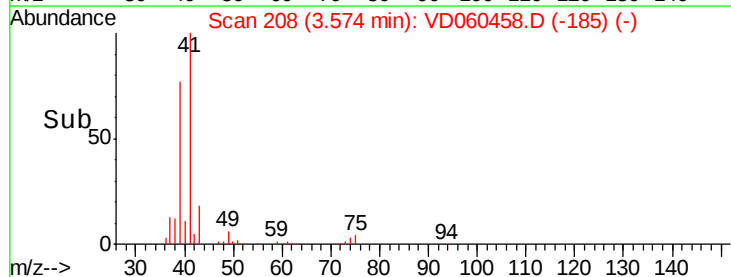
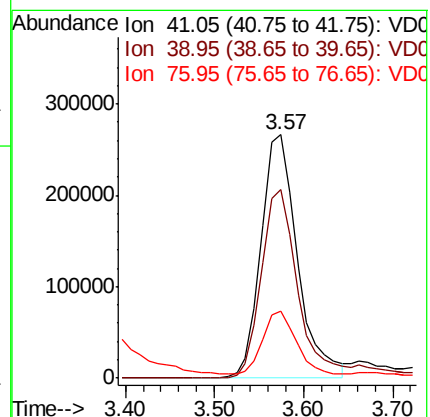
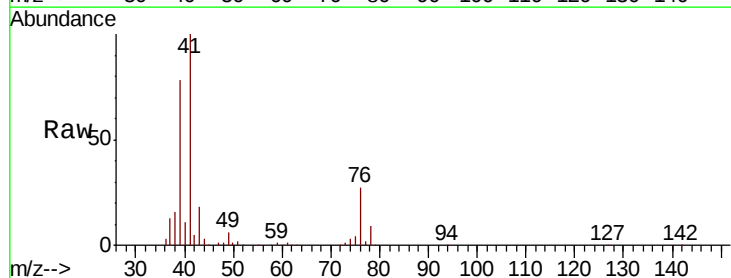
Tgt Ion: 41 Resp: 750510

Ion Ratio Lower Upper

41 100

39 77.6 60.4 90.6

76 27.4 21.8 32.8





#15

Acrylonitrile

Concen: 253.890 ug/l

RT: 4.12 min Scan# 263

Delta R.T. 0.02 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

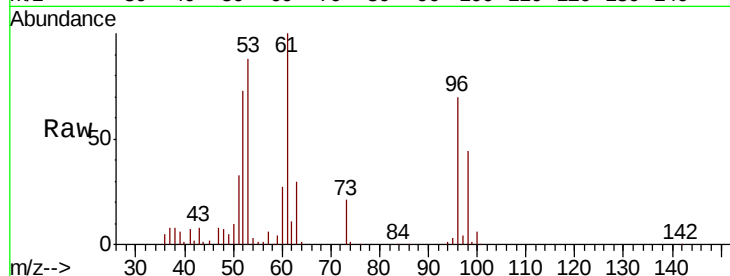
Tot Ion: 53 Resp: 664447

Ion Ratio Lower Upper

53 100

52 83.3 67.0 100.4

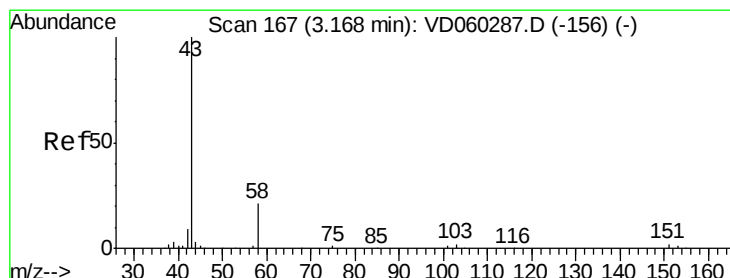
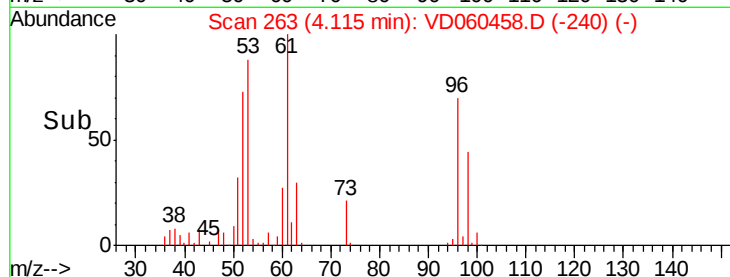
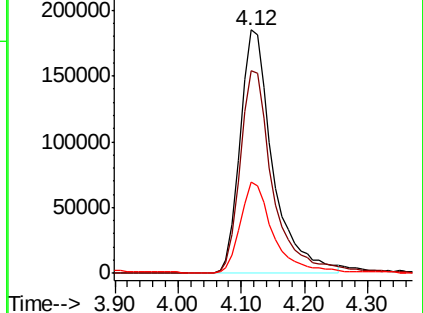
51 37.3 29.9 44.9



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: 280.258 ug/l

RT: 3.19 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD060458.D

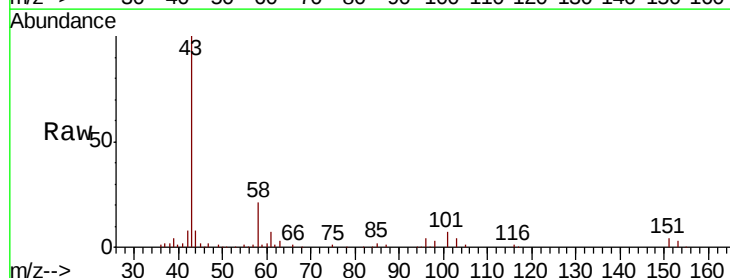
Acq: 29 Nov 2018 10:18

Tgt Ion: 43 Resp: 531298

Ion Ratio Lower Upper

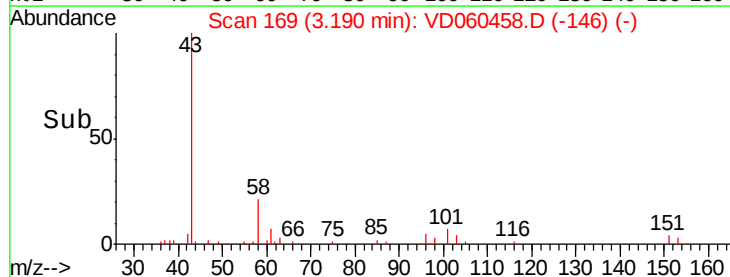
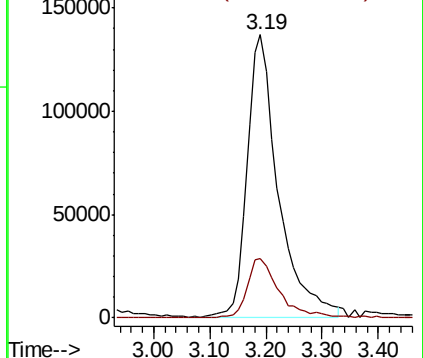
43 100

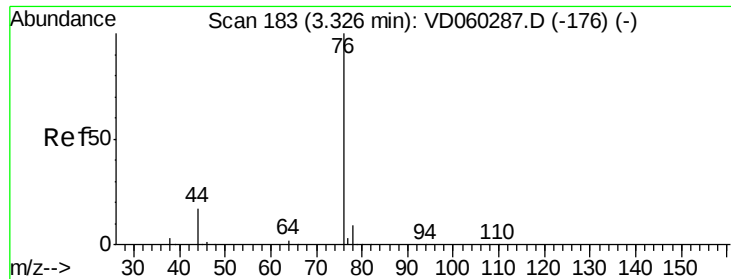
58 20.9 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

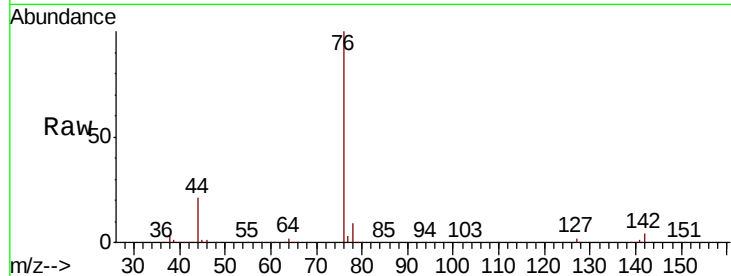




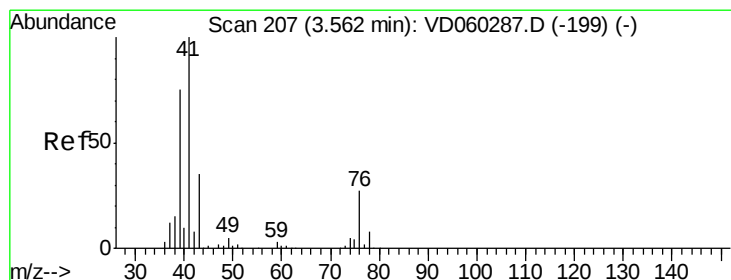
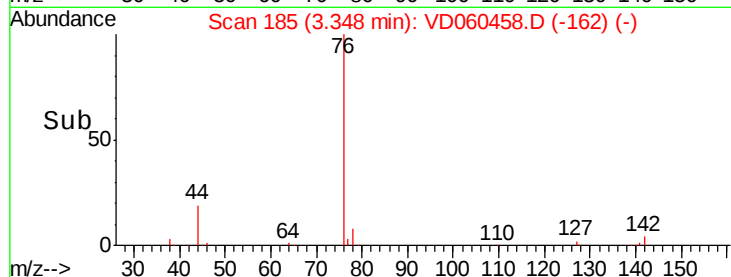
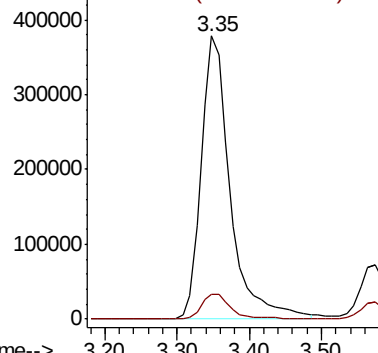
#17
Carbon Disulfide
Concen: 44.078 ug/l
RT: 3.35 min Scan# 185
Delta R.T. 0.02 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1059611
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4

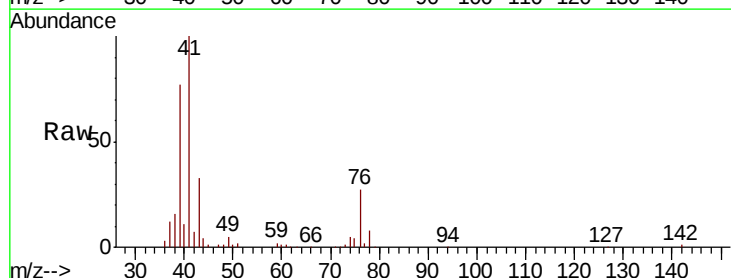


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

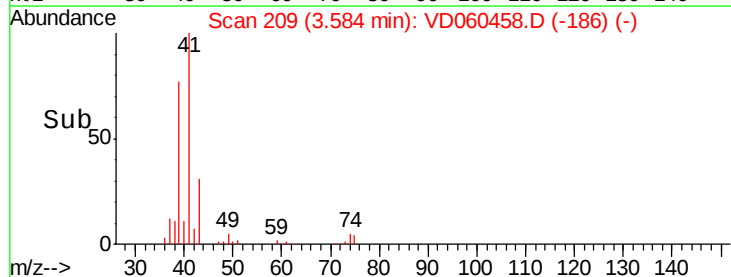
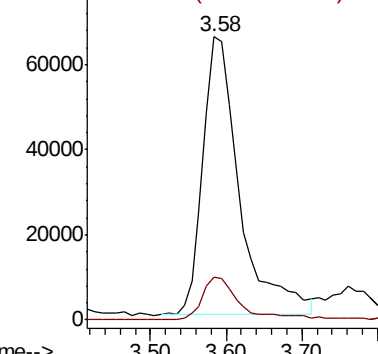


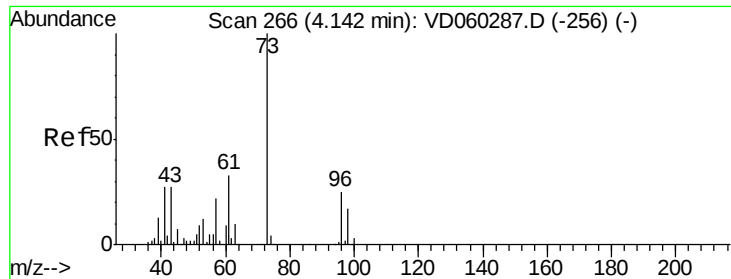
#18
Methyl Acetate
Concen: 54.569 ug/l
RT: 3.58 min Scan# 209
Delta R.T. 0.02 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Tgt Ion: 43 Resp: 220578
Ion Ratio Lower Upper
43 100
74 14.9 12.4 18.6



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

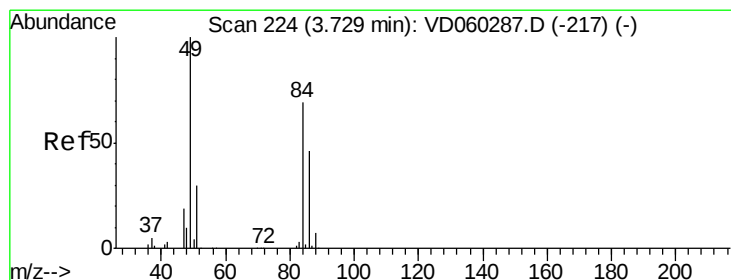
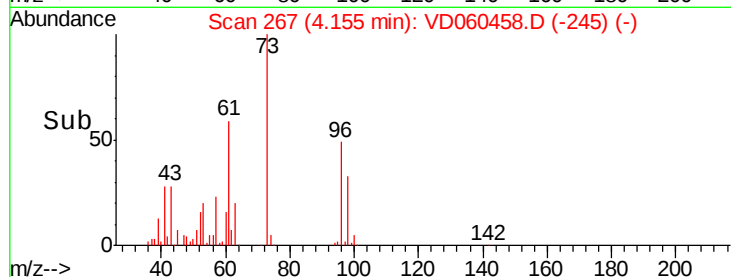
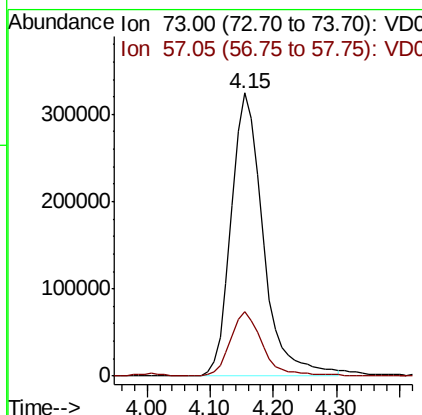
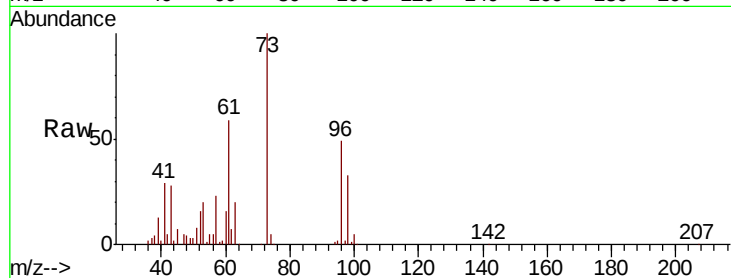




#19
Methyl tert-butyl Ether
Concen: 51.318 ug/l
RT: 4.15 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

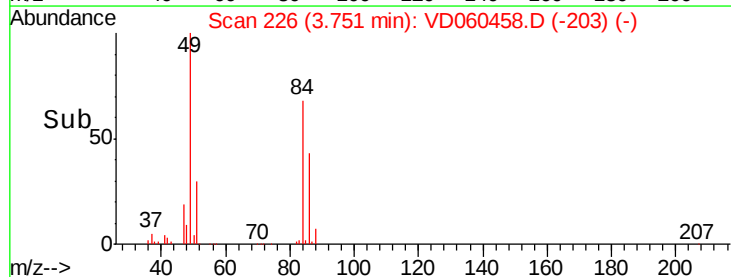
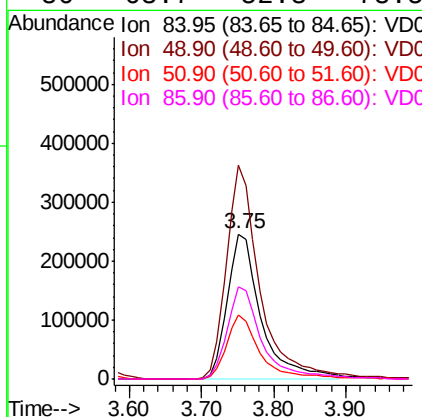
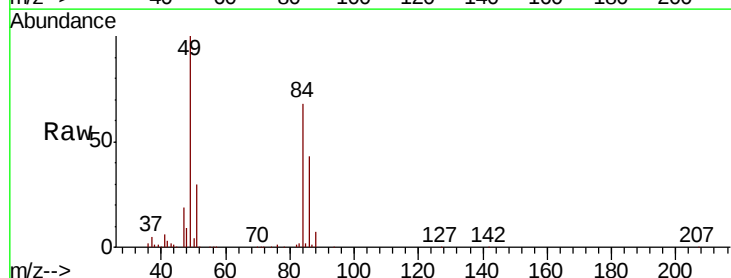
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

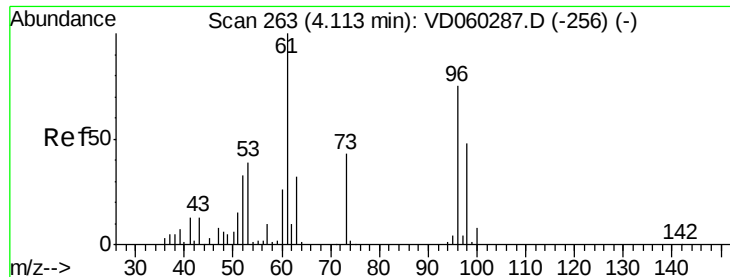
Tot Ion: 73 Resp: 1144437
Ion Ratio Lower Upper
73 100
57 22.8 18.1 27.1



#20
Methylene Chloride
Concen: 47.538 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Tgt Ion: 84 Resp: 799436
Ion Ratio Lower Upper
84 100
49 147.6 115.6 173.4
51 43.9 35.6 53.4
86 63.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 51.439 ug/l

RT: 4.13 min Scan# 265

Delta R.T. 0.02 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

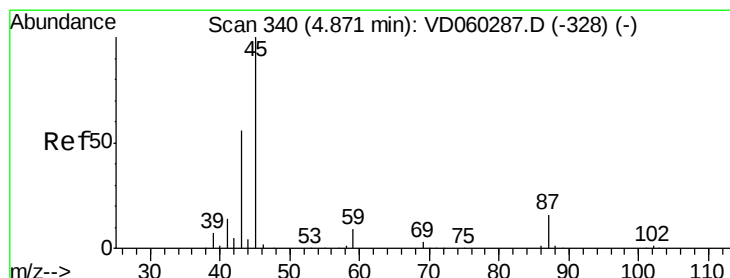
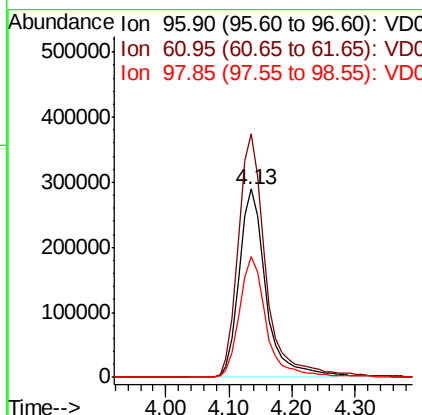
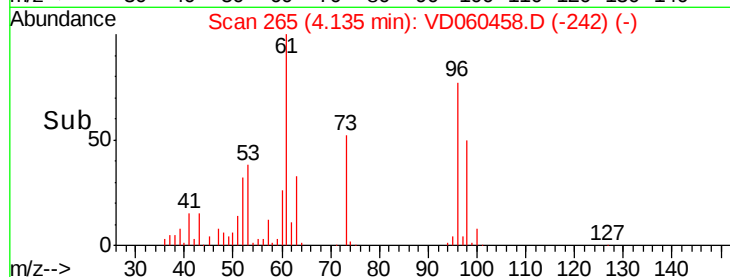
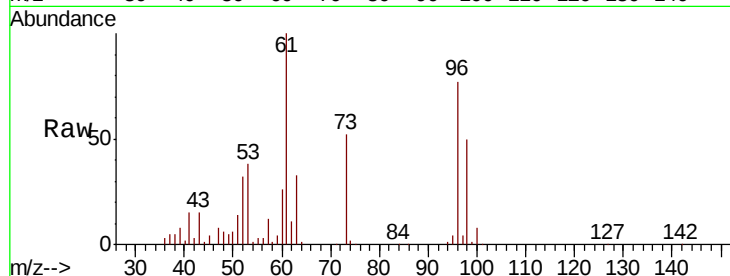
Tot Ion: 96 Resp: 850620

Ion Ratio Lower Upper

96 100

61 129.1 105.8 158.6

98 64.3 50.8 76.2



#22

Diisopropyl ether

Concen: 51.279 ug/l

RT: 4.88 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Tgt Ion: 45 Resp: 2730093

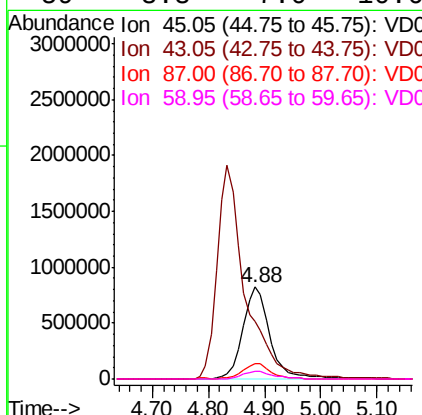
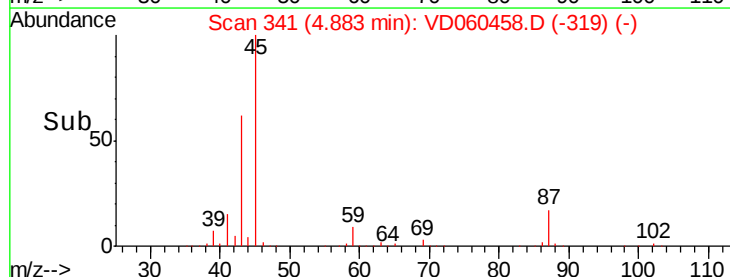
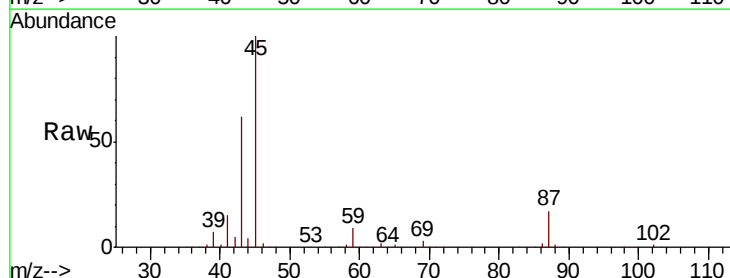
Ion Ratio Lower Upper

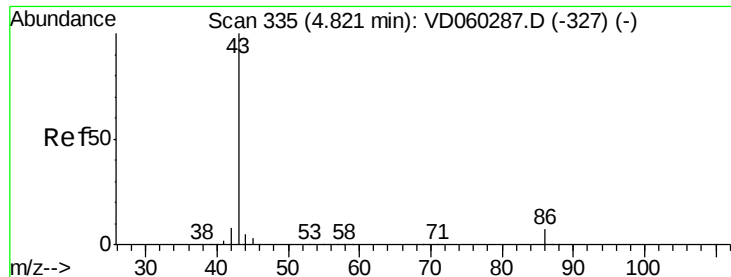
45 100

43 62.3 44.9 67.3

87 17.5 13.9 20.9

59 8.8 7.0 10.6

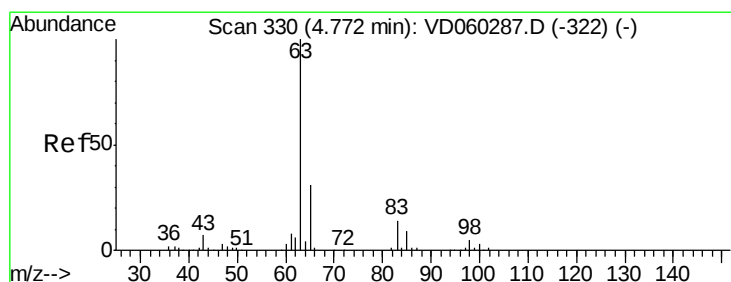
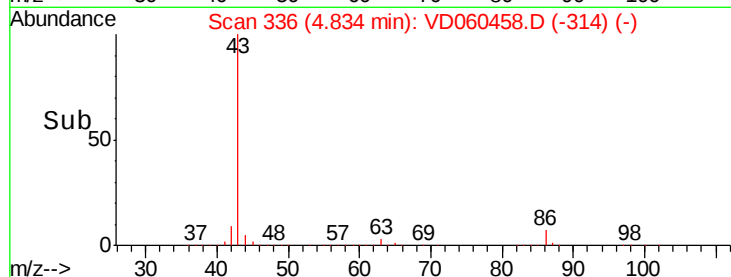
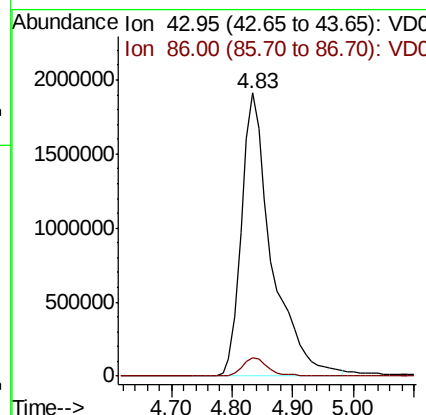
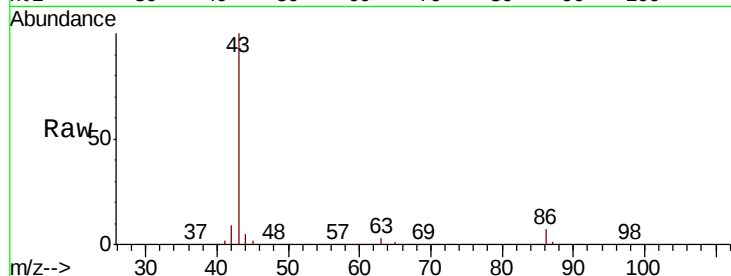




#23
 Vinyl Acetate
 Concen: 250.453 ug/l
 RT: 4.83 min Scan# 336
 Delta R.T. 0.01 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

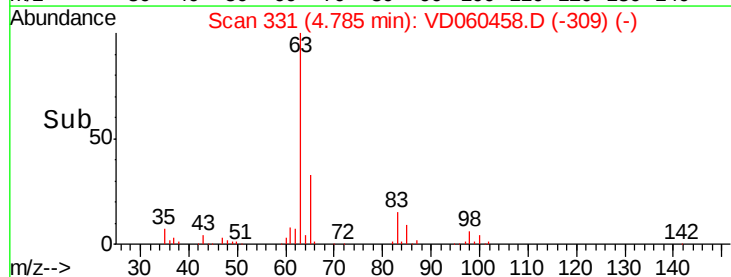
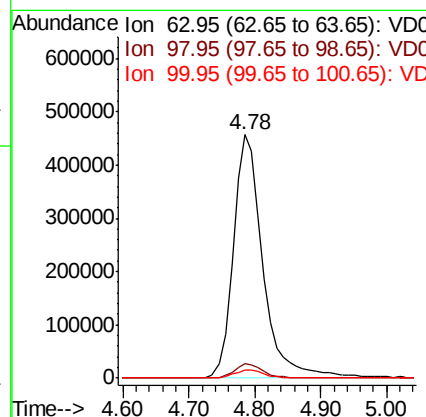
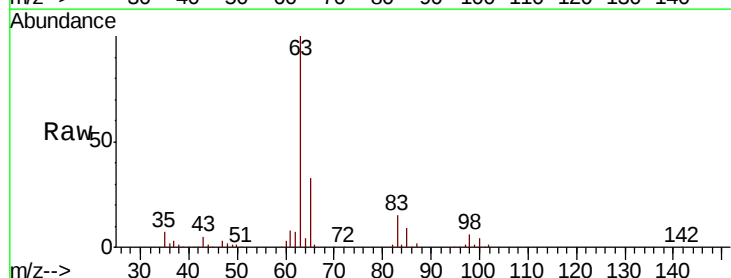
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 6634792
 Ion Ratio Lower Upper
 43 100
 86 6.5 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 51.996 ug/l
 RT: 4.78 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

Tgt Ion: 63 Resp: 1419539
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.4
 100 3.6 1.8 5.5





#25

2-Butanone

Concen: 254.935 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

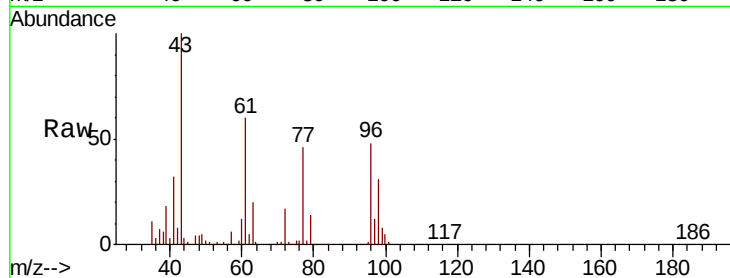
VSTDCCC050

Tot Ion: 43 Resp: 1004555

Ion Ratio Lower Upper

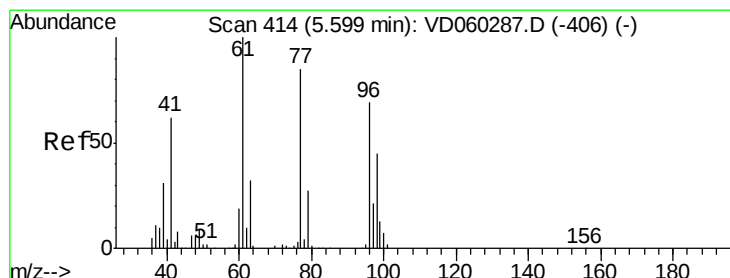
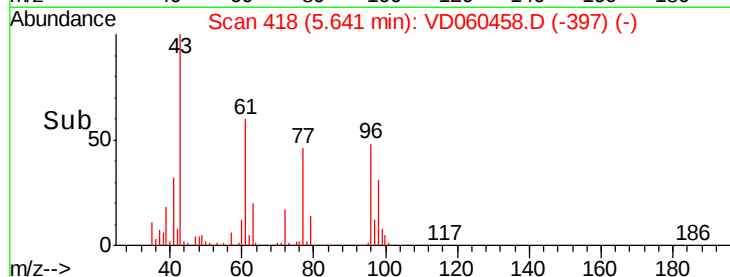
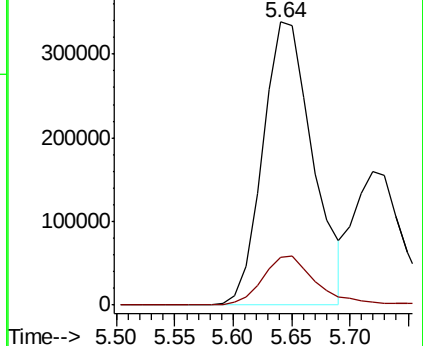
43 100

72 16.8 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: 54.591 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060458.D

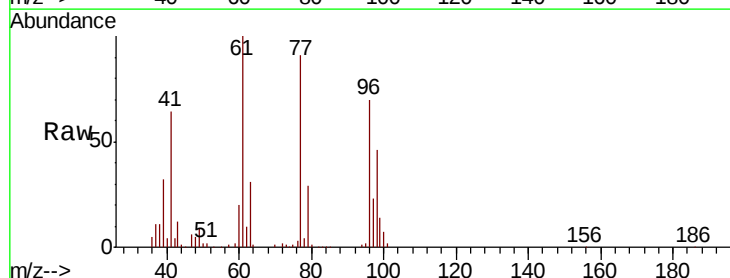
Acq: 29 Nov 2018 10:18

Tgt Ion: 77 Resp: 1158726

Ion Ratio Lower Upper

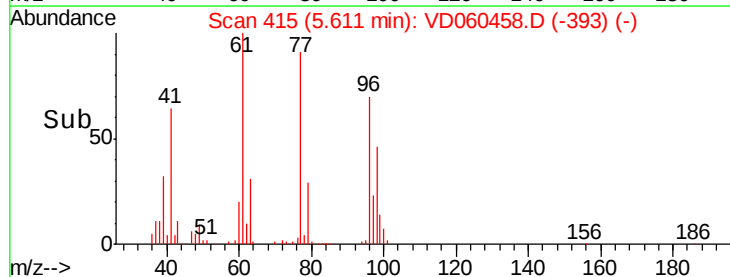
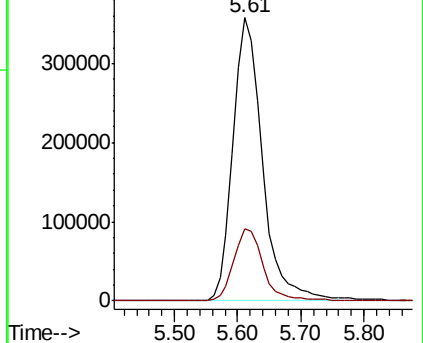
77 100

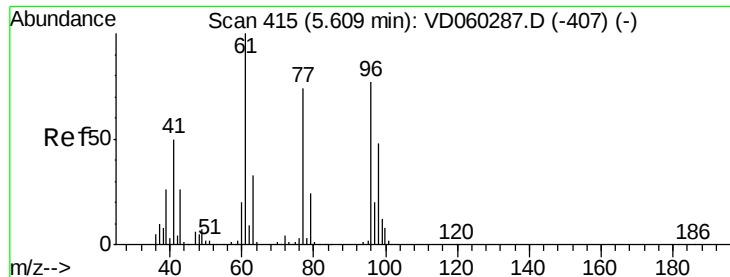
97 25.5 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



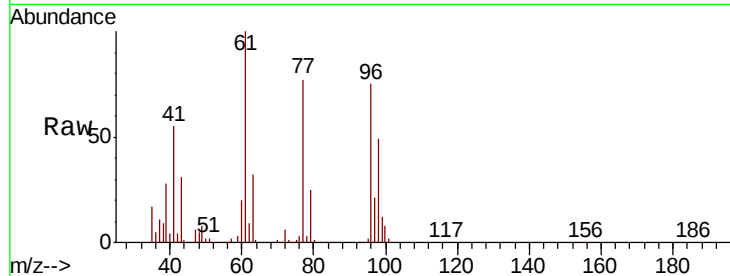


#27

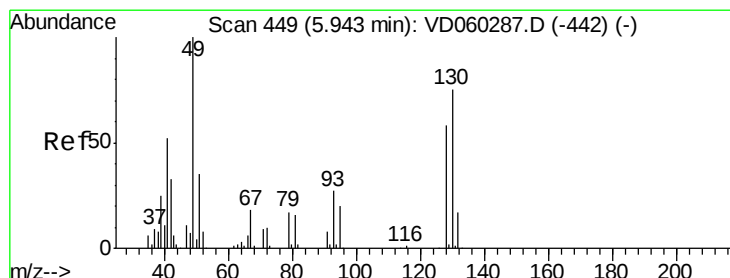
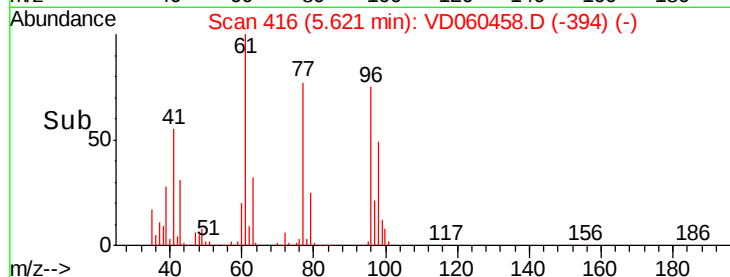
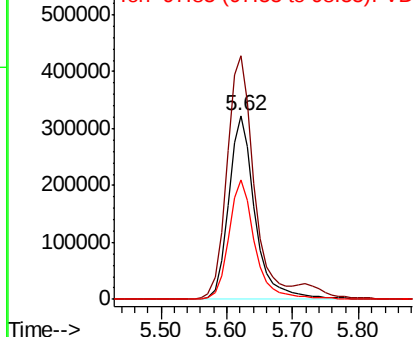
cis-1,2-Dichloroethene
 Concen: 52.424 ug/l
 RT: 5.62 min Scan# 416
 Delta R.T. 0.01 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 903126
 Ion Ratio Lower Upper
 96 100
 61 132.7 0.0 259.0
 98 64.8 0.0 128.8



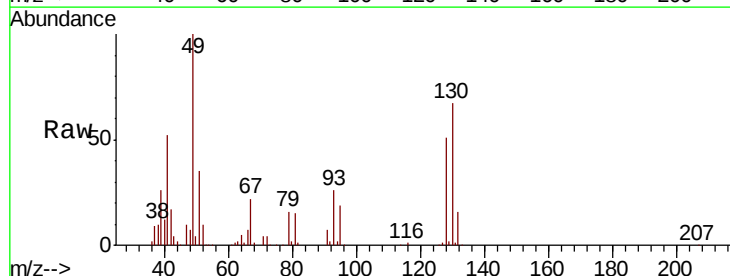
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



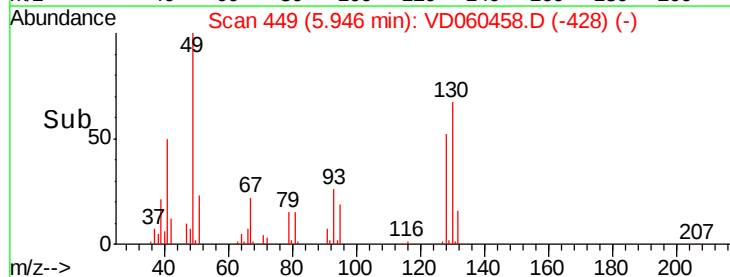
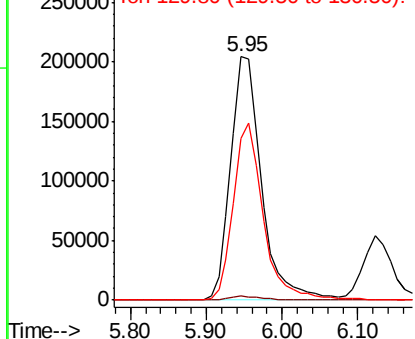
#28

Bromochloromethane
 Concen: 48.044 ug/l
 RT: 5.95 min Scan# 449
 Delta R.T. 0.00 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

Tgt Ion: 49 Resp: 578743
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 2.8
 130 66.5 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: 240.760 ug/l

RT: 5.98 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

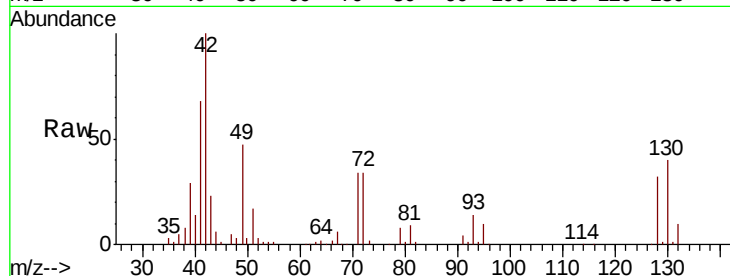
Tot Ion: 42 Resp: 500180

Ion Ratio Lower Upper

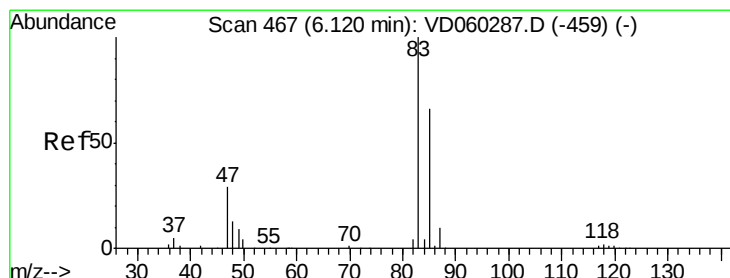
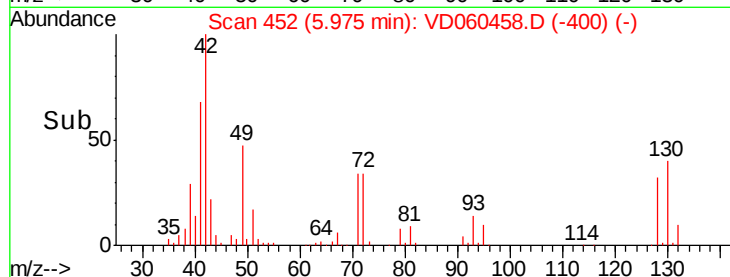
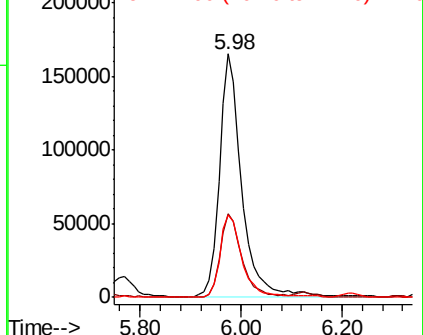
42 100

72 33.8 27.6 41.4

71 33.8 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: 52.907 ug/l

RT: 6.12 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD060458.D

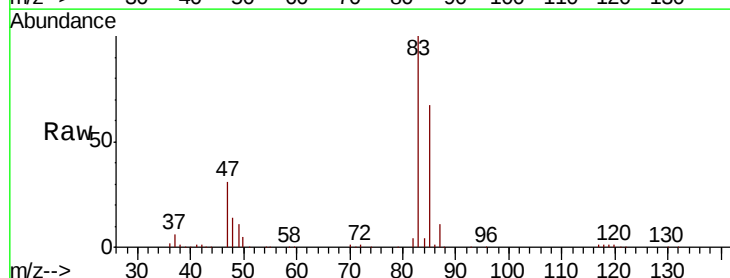
Acq: 29 Nov 2018 10:18

Tgt Ion: 83 Resp: 1443995

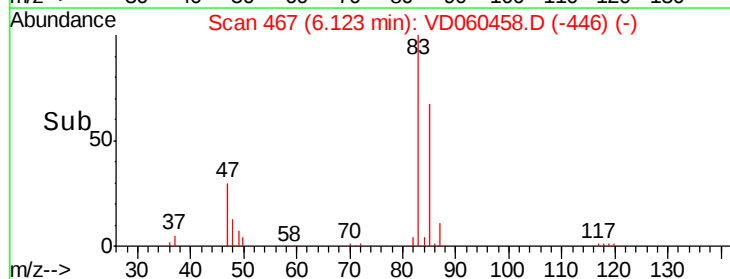
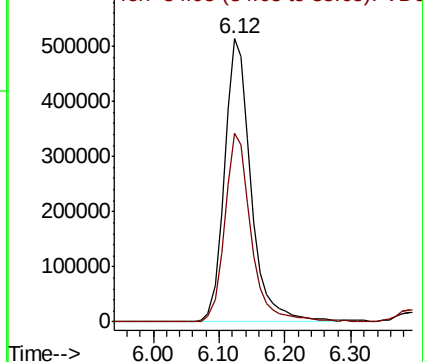
Ion Ratio Lower Upper

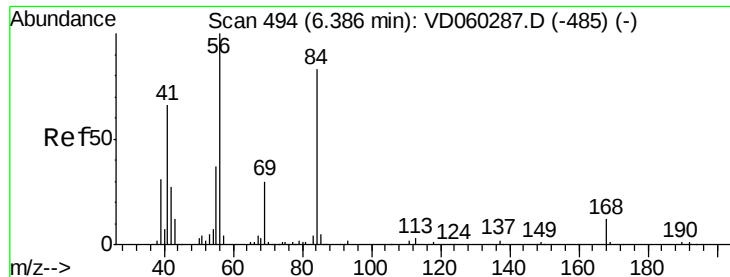
83 100

85 66.7 52.5 78.7



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

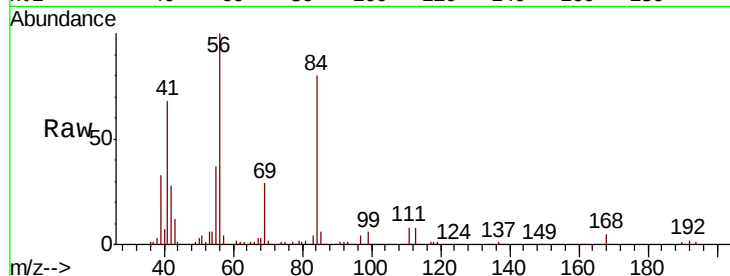




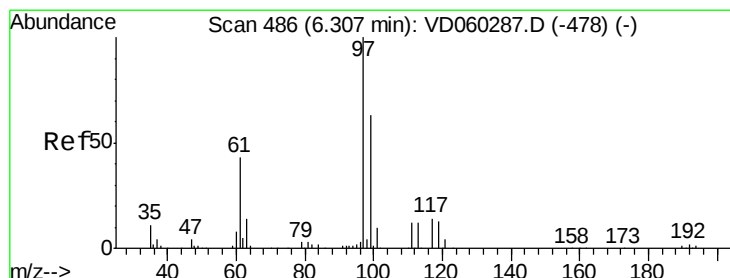
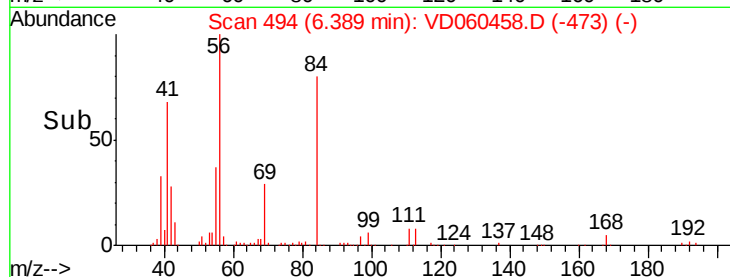
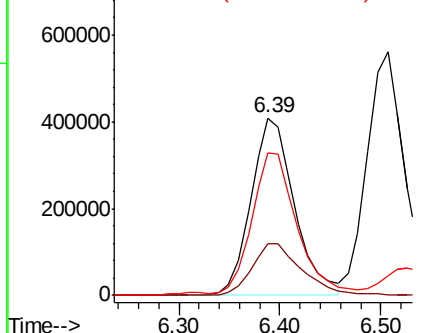
#31
Cyclohexane
Concen: 46.806 ug/l
RT: 6.39 min Scan# 494
Delta R.T. 0.00 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1221358
Ion Ratio Lower Upper
56 100
69 28.9 22.2 33.2
84 80.2 63.0 94.4

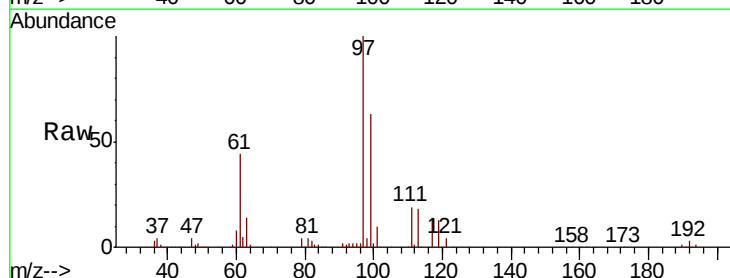


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

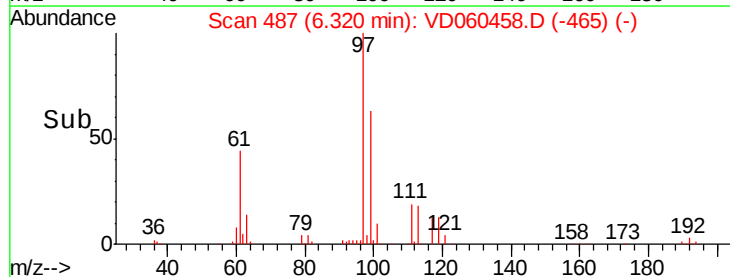
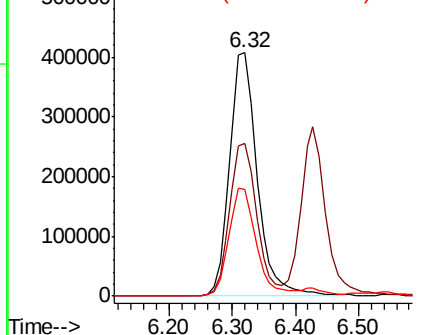


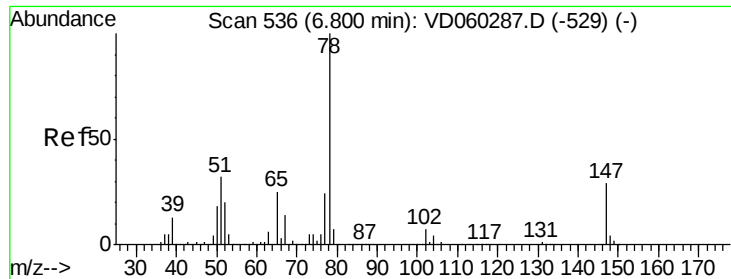
#32
1,1,1-Trichloroethane
Concen: 53.792 ug/l
RT: 6.32 min Scan# 487
Delta R.T. 0.01 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Tgt Ion: 97 Resp: 1236678
Ion Ratio Lower Upper
97 100
99 62.6 51.5 77.3
61 43.8 35.8 53.8



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





#33

1,2-Dichloroethane-d4

Concen: 53.792 ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

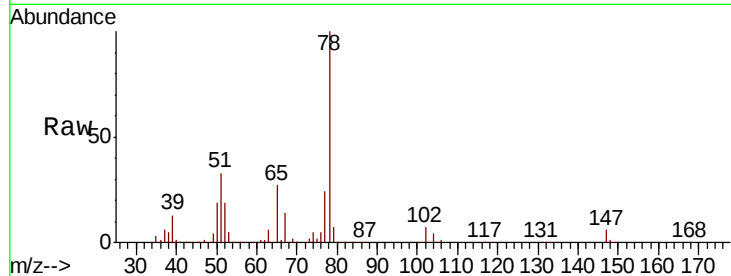
VSTDCCC050

Tot Ion: 65 Resp: 522375

Ion Ratio Lower Upper

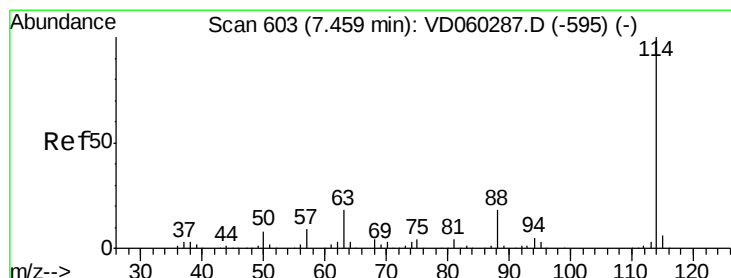
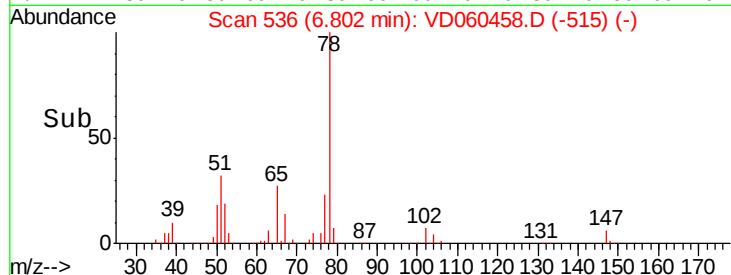
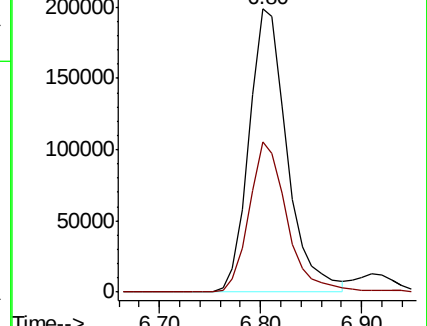
65 100

67 53.2 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

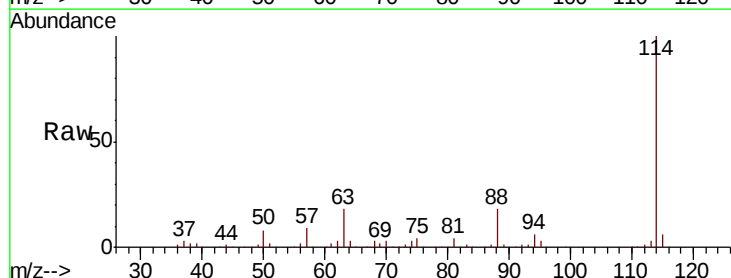
Tgt Ion: 114 Resp: 2124243

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.0

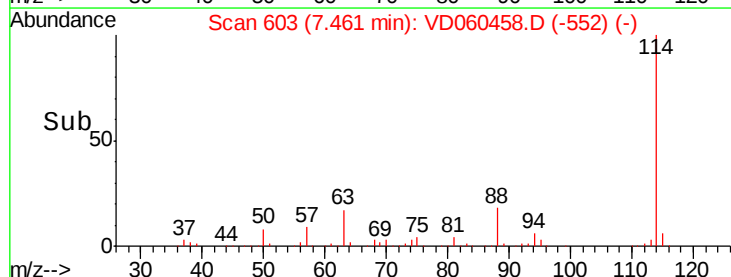
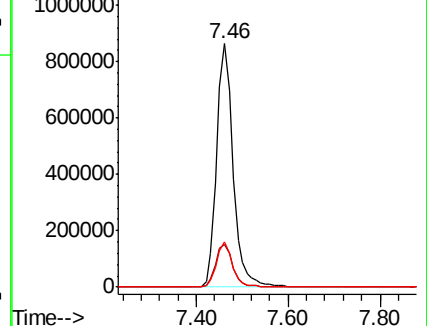
88 18.3 0.0 35.4

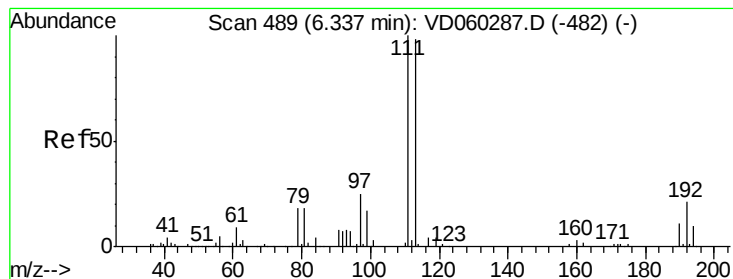


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.35 min Scan# 490

Delta R.T. 0.01 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

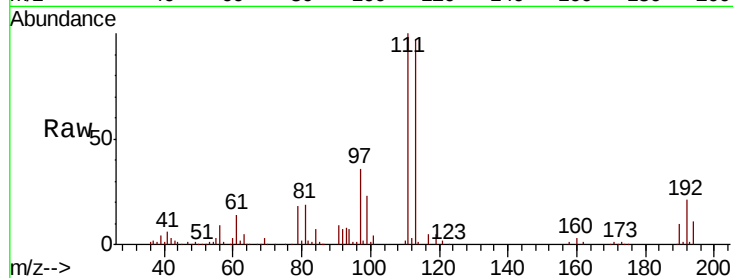
Tot Ion:113 Resp: 779702

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

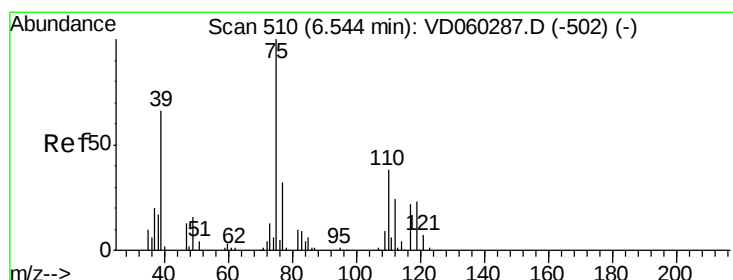
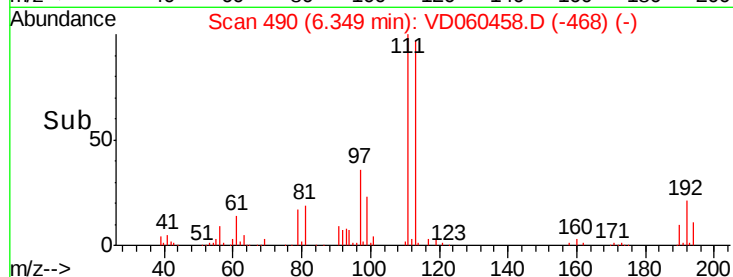
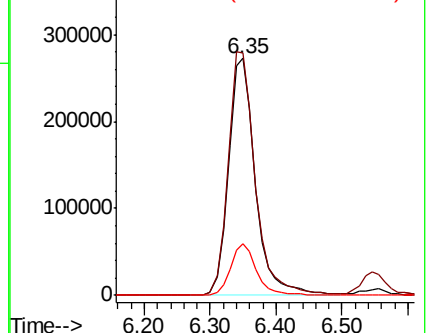
192 21.7 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 51.390 ug/l

RT: 6.55 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

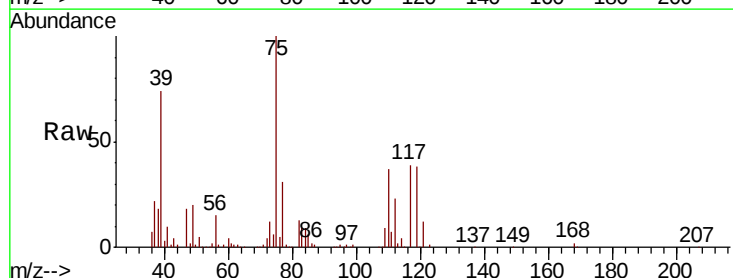
Tgt Ion: 75 Resp: 1078492

Ion Ratio Lower Upper

75 100

110 37.4 18.0 54.0

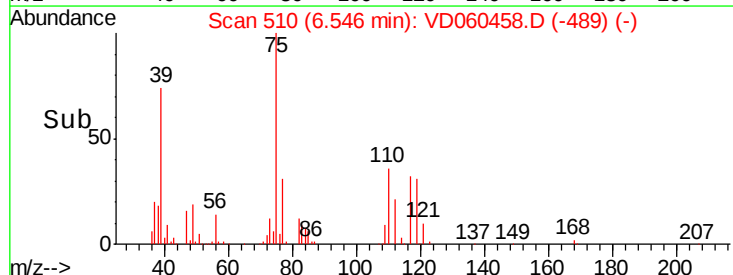
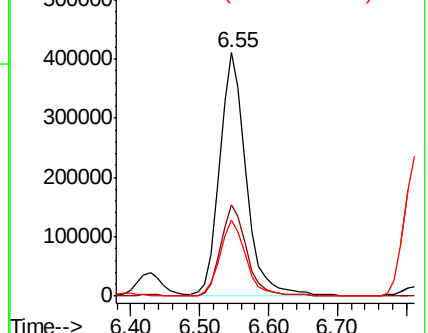
77 31.1 25.6 38.4

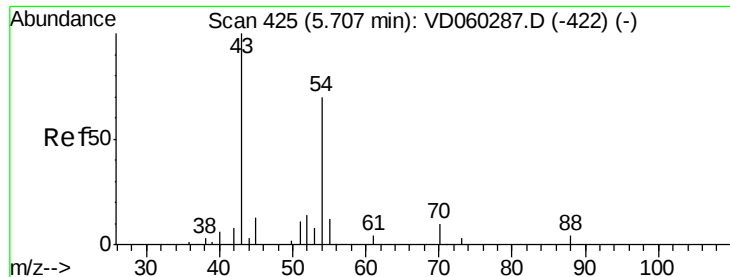


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

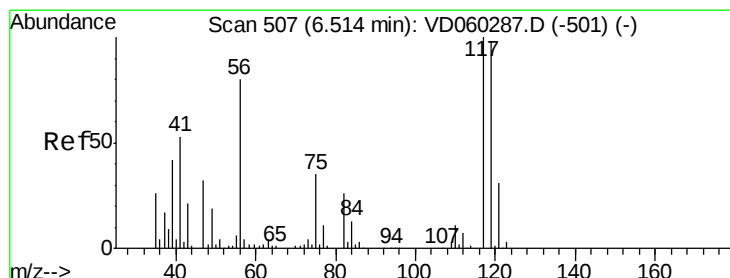
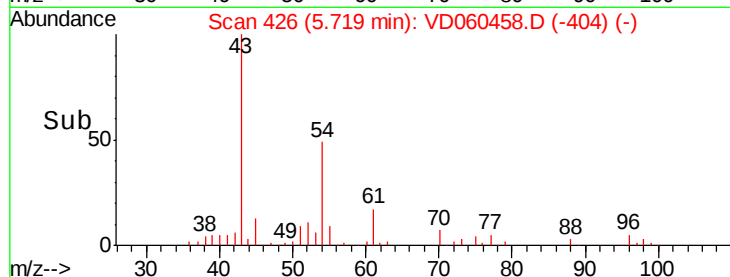
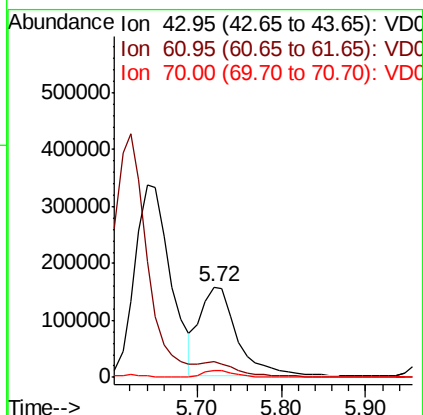
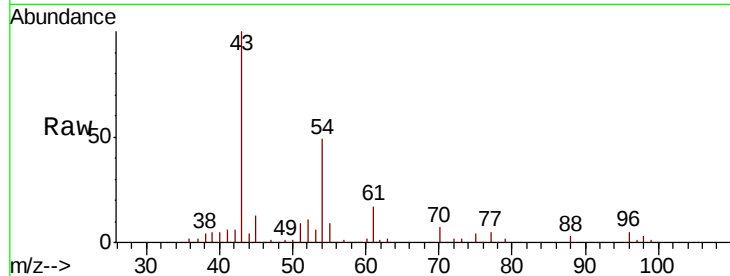




#37
Ethyl Acetate
Concen: 49.668 ug/l
RT: 5.72 min Scan# 426
Delta R.T. 0.01 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

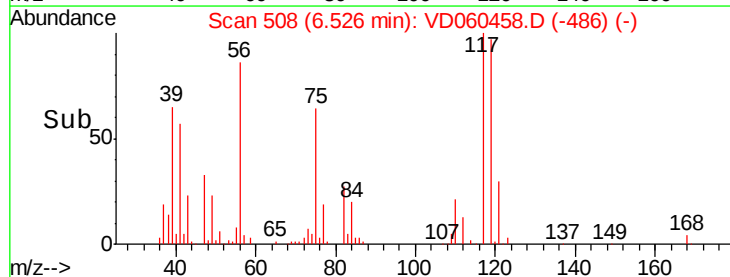
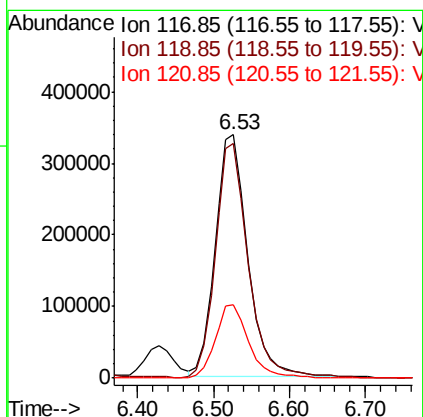
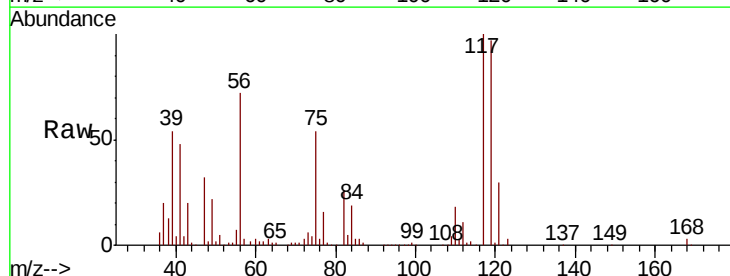
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

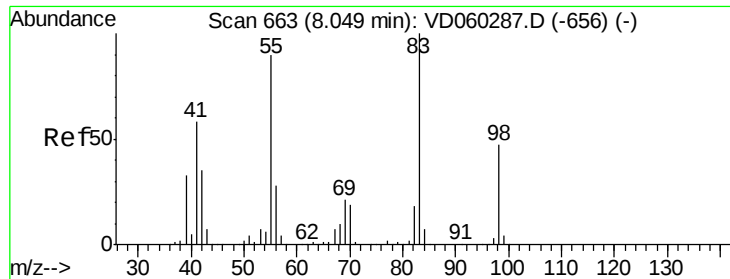
Tot Ion: 43 Resp: 479652
Ion Ratio Lower Upper
43 100
61 16.9 11.8 17.6
70 7.1 6.2 9.4



#38
Carbon Tetrachloride
Concen: 51.578 ug/l
RT: 6.53 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Tgt Ion: 117 Resp: 1004120
Ion Ratio Lower Upper
117 100
119 96.6 76.6 115.0
121 29.9 24.3 36.5





#39

Methvlcvclohexane

Concen: 50.385 ug/l

RT: 8.06 min Scan# 664

Delta R.T. 0.01 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

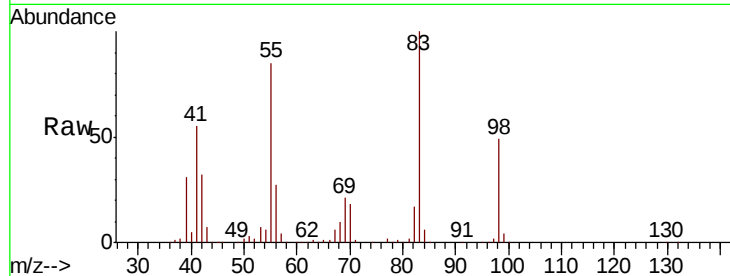
Tot Ion: 83 Resp: 1216199

Ion Ratio Lower Upper

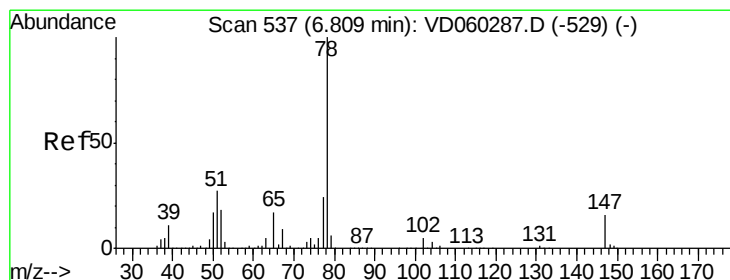
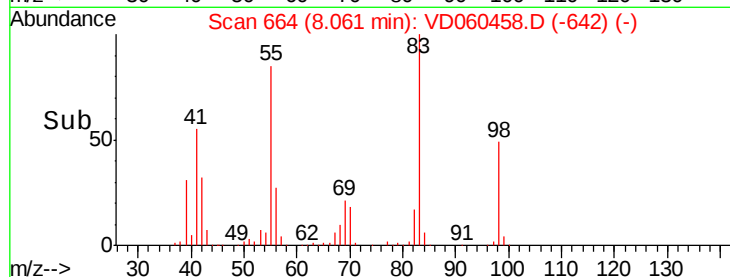
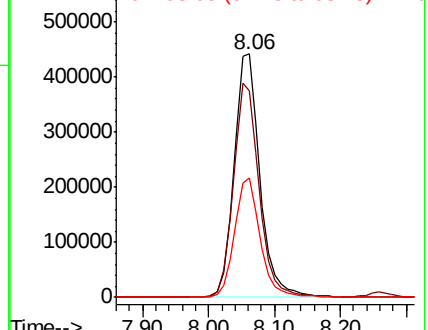
83 100

55 84.7 71.2 106.8

98 49.3 38.4 57.6



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



#40

Benzene

Concen: 51.821 ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD060458.D

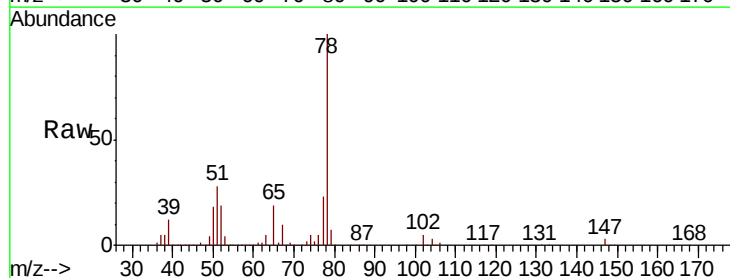
Acq: 29 Nov 2018 10:18

Tgt Ion: 78 Resp: 2776096

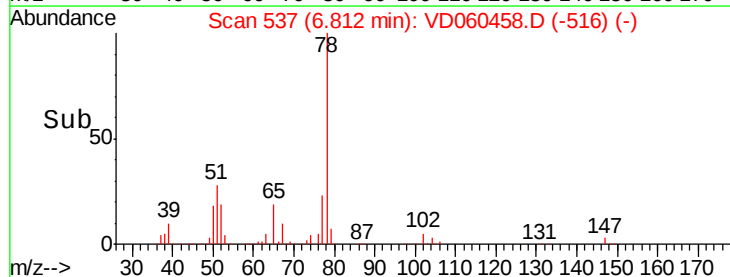
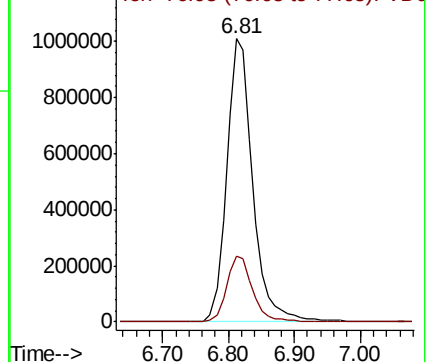
Ion Ratio Lower Upper

78 100

77 23.4 18.8 28.2



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





#41

Methacrylonitrile

Concen: 48.596 ug/l

RT: 5.98 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 537137

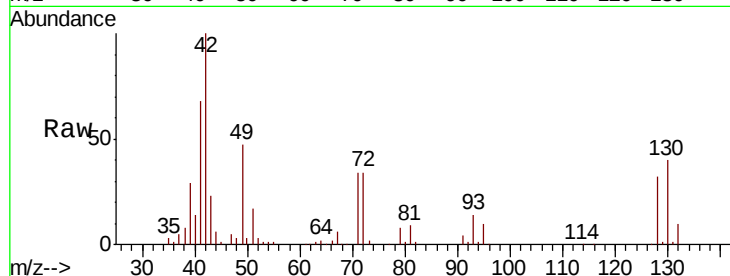
Ion Ratio Lower Upper

41 100

39 43.4 36.2 54.2

67 9.4 11.9 17.9#

52 4.6 5.2 7.8#



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

150000

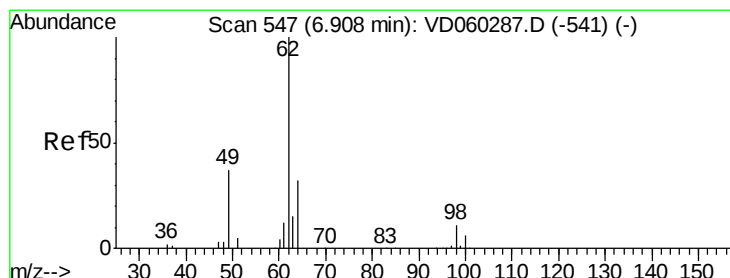
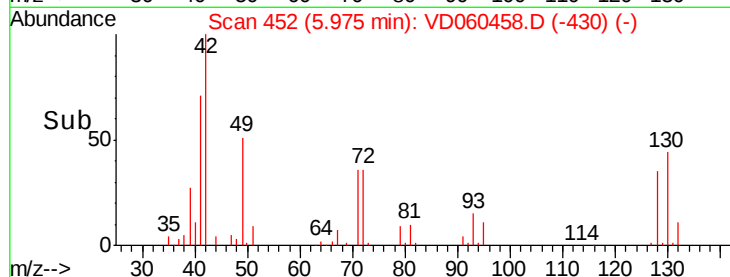
100000

50000

0

5.80 5.90 6.00 6.10

Time-->



#42

1,2-Dichloroethane

Concen: 50.394 ug/l

RT: 6.91 min Scan# 547

Delta R.T. 0.00 min

Lab File: VD060458.D

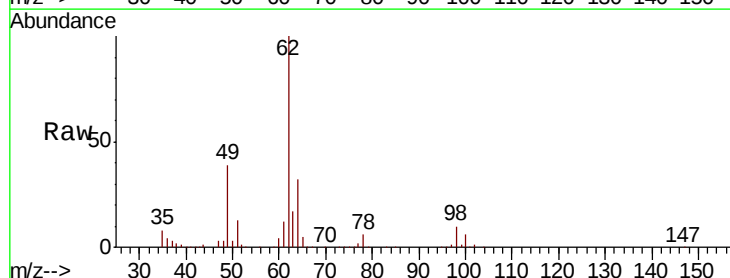
Acq: 29 Nov 2018 10:18

Tgt Ion: 62 Resp: 706621

Ion Ratio Lower Upper

62 100

98 10.3 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

300000

250000

200000

150000

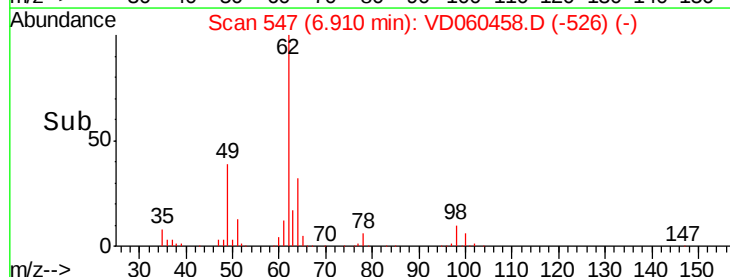
100000

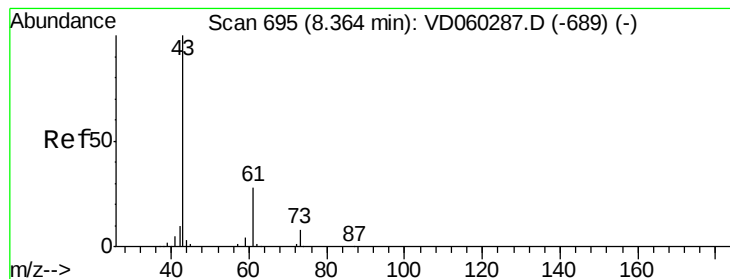
50000

0

6.80 6.90 7.00 7.10

Time-->





#43

Isopropyl Acetate

Concen: 49.713 ug/l

RT: 8.37 min Scan# 695

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

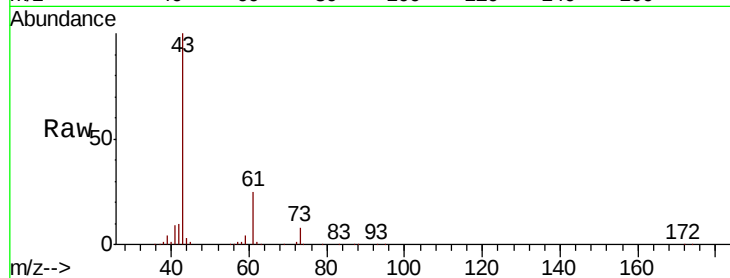
Tot Ion: 43 Resp: 603044

Ion Ratio Lower Upper

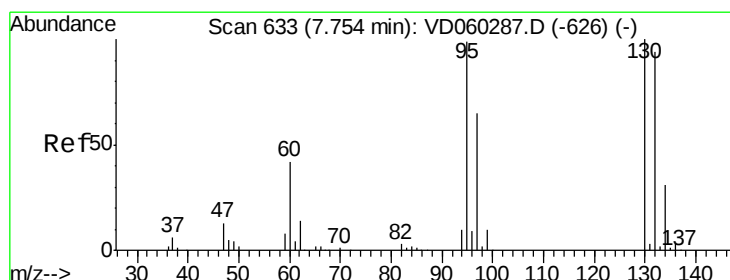
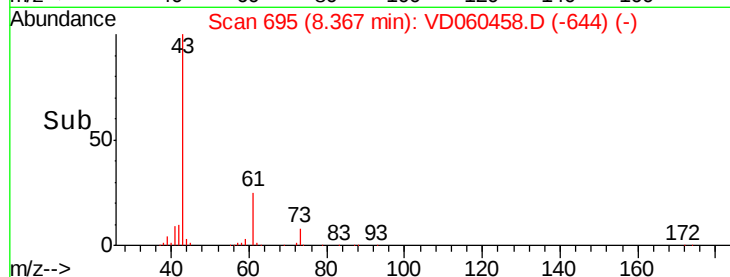
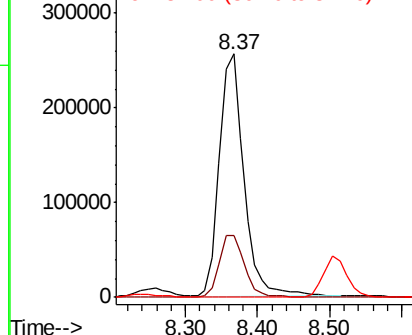
43 100

61 25.5 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: 52.340 ug/l

RT: 7.76 min Scan# 633

Delta R.T. 0.00 min

Lab File: VD060458.D

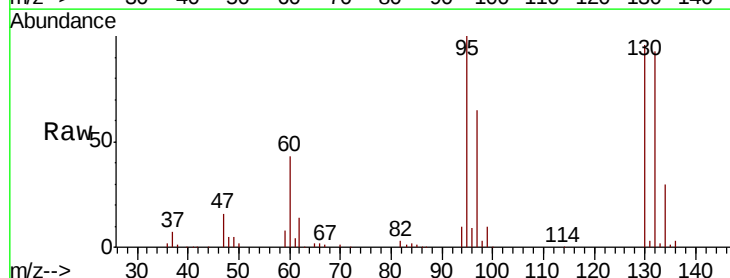
Acq: 29 Nov 2018 10:18

Tgt Ion:130 Resp: 849957

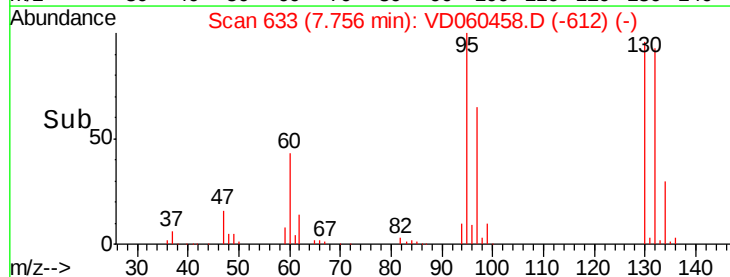
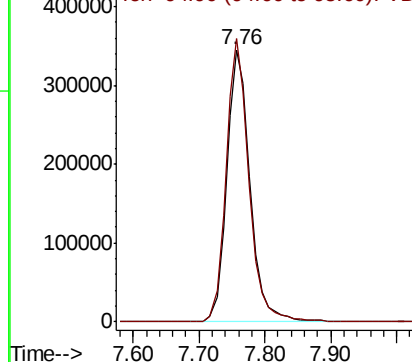
Ion Ratio Lower Upper

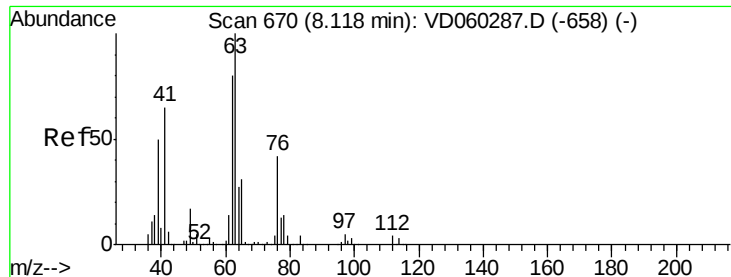
130 100

95 104.1 0.0 200.0



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





#45

1,2-Dichloropropane

Concen: 52.671 ug/l

RT: 8.12 min Scan# 670

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

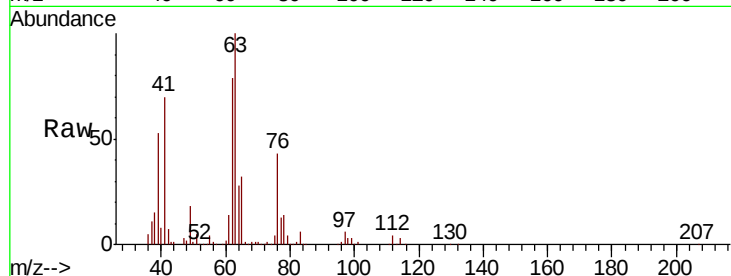
VSTDCCC050

Tot Ion: 63 Resp: 711617

Ion Ratio Lower Upper

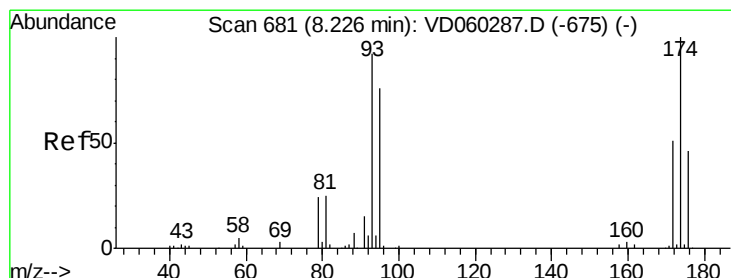
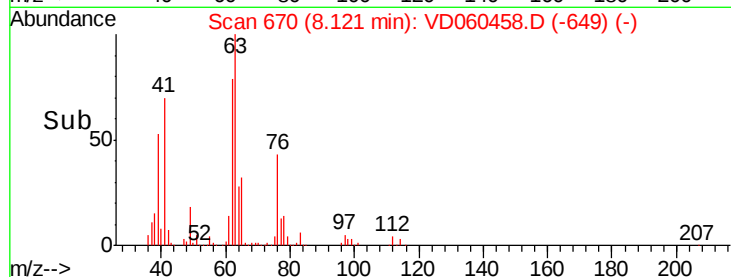
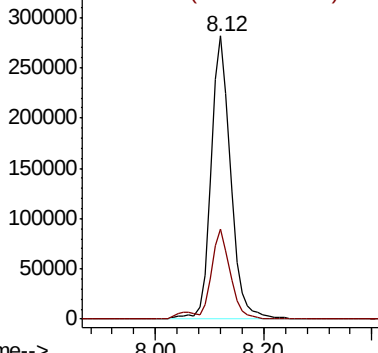
63 100

65 31.7 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 50.538 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

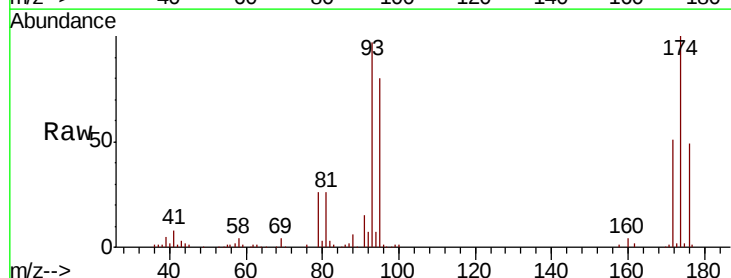
Tgt Ion: 93 Resp: 399905

Ion Ratio Lower Upper

93 100

95 82.3 66.4 99.6

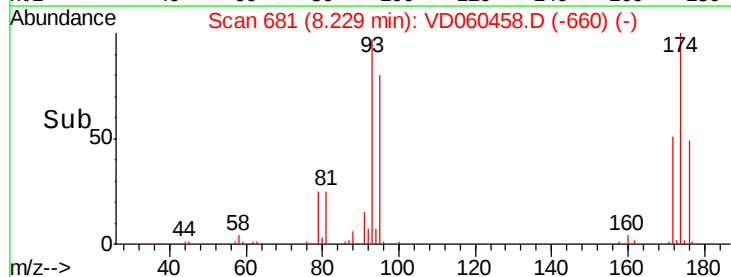
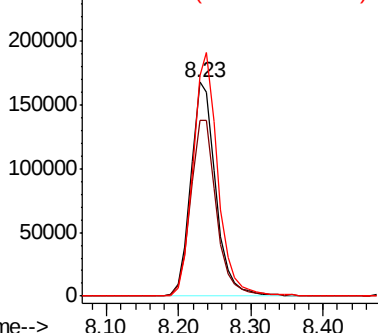
174 103.3 87.8 131.8

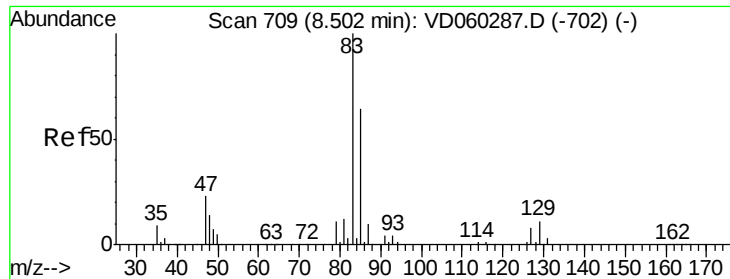


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 52.881 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

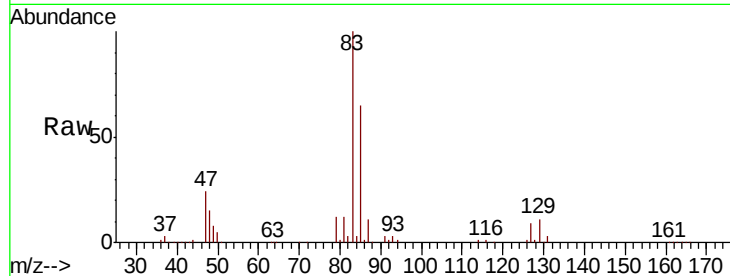
Tot Ion: 83 Resp: 986050

Ion Ratio Lower Upper

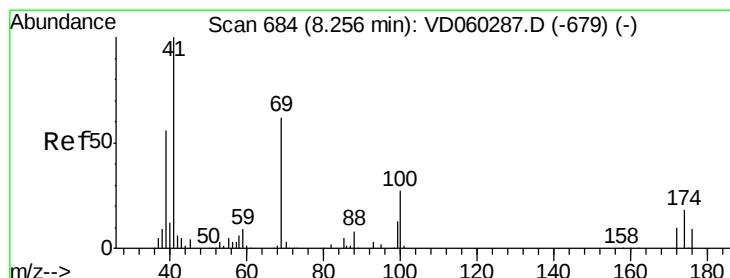
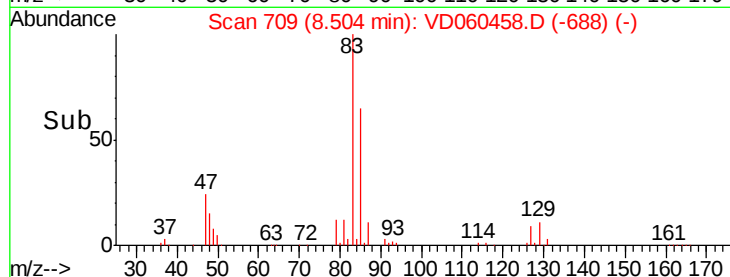
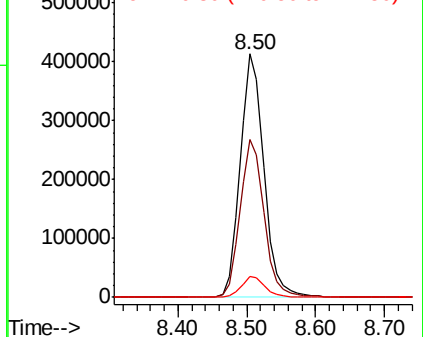
83 100

85 64.9 51.0 76.6

127 8.6 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: 50.353 ug/l

RT: 8.26 min Scan# 684

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

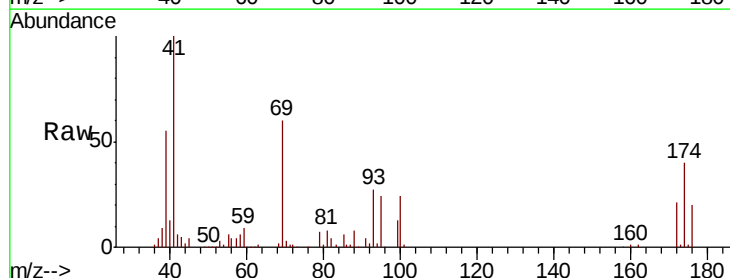
Tgt Ion: 41 Resp: 371021

Ion Ratio Lower Upper

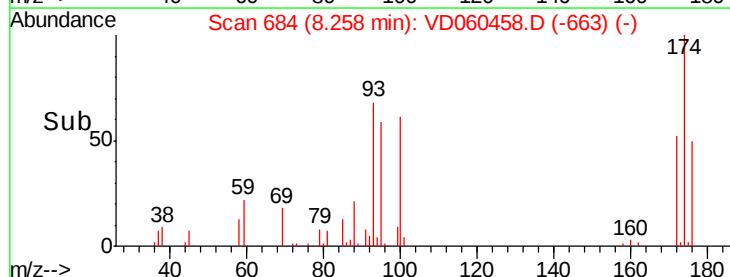
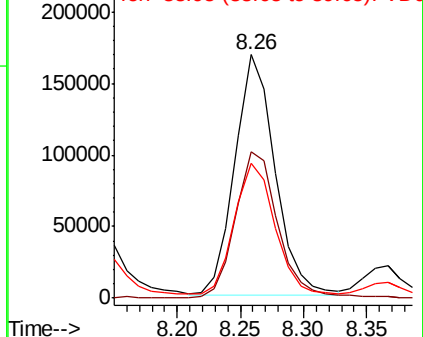
41 100

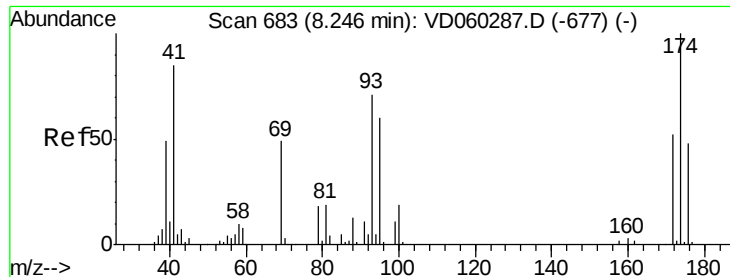
69 59.9 47.0 70.4

39 55.5 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

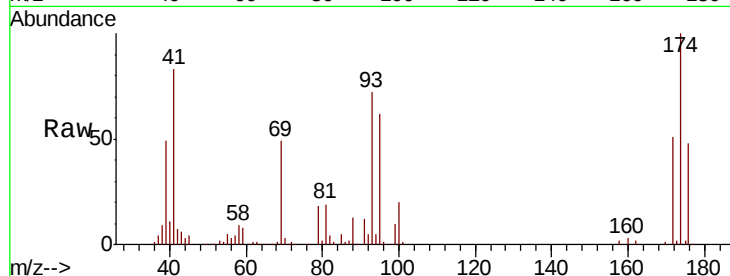




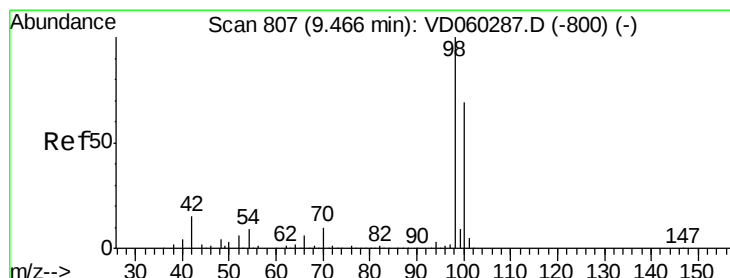
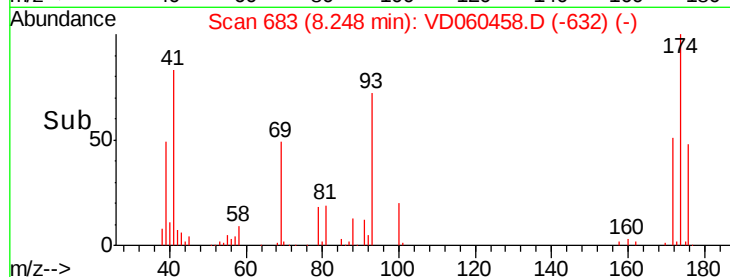
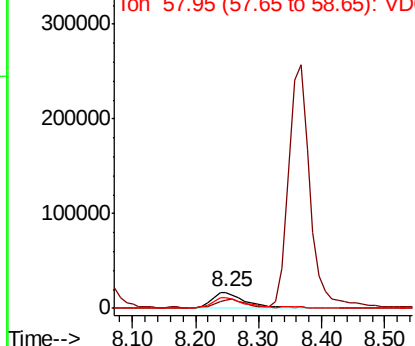
#49
1,4-Dioxane
Concen: 1016.395 ug/l
RT: 8.25 min Scan# 683
Delta R.T. 0.00 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 64799
Ion Ratio Lower Upper
88 100
43 46.8 39.7 59.5
58 67.9 60.2 90.2

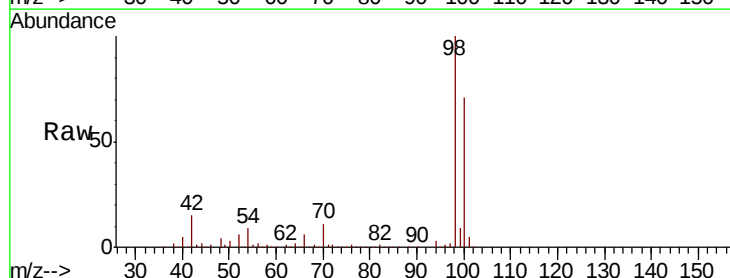


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

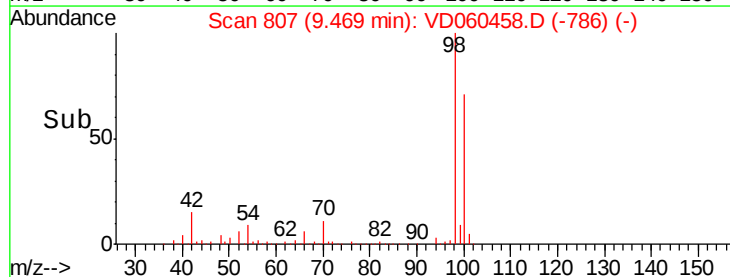
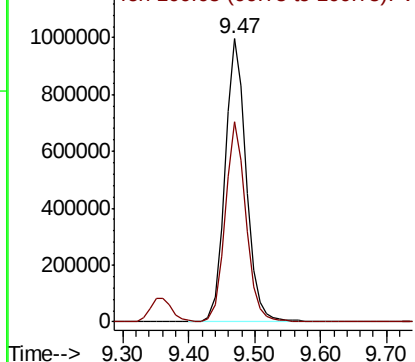


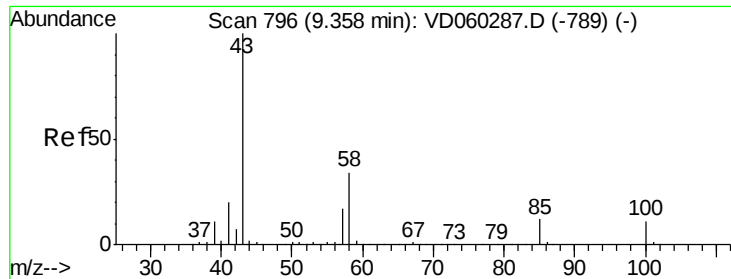
#50
Toluene-d8
Concen: 1016.395 ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.00 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Tgt Ion: 98 Resp: 2241062
Ion Ratio Lower Upper
98 100
100 70.7 55.2 82.8



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





#51

4-Methyl-2-Pentanone

Concen: 244.756 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

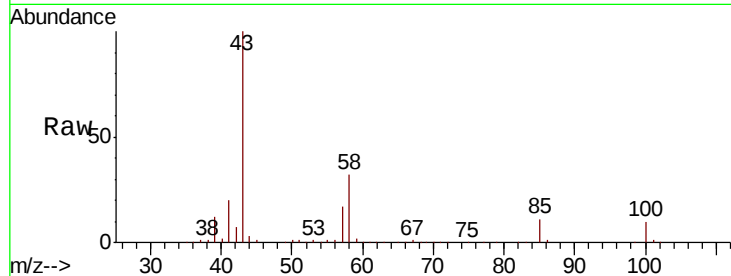
VSTDCCC050

Tot Ion: 43 Resp: 1932441

Ion Ratio Lower Upper

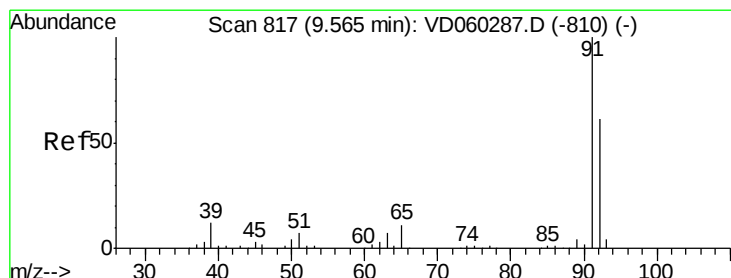
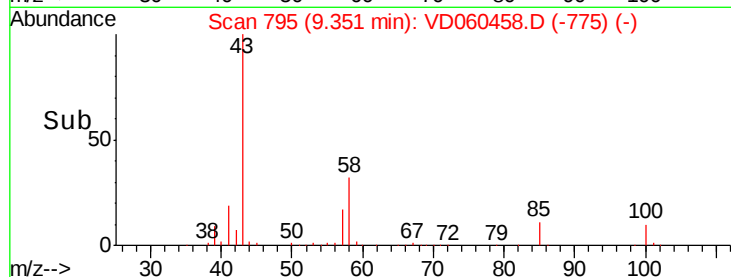
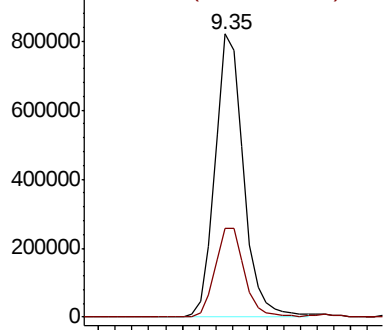
43 100

58 31.5 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: 52.576 ug/l

RT: 9.57 min Scan# 817

Delta R.T. 0.00 min

Lab File: VD060458.D

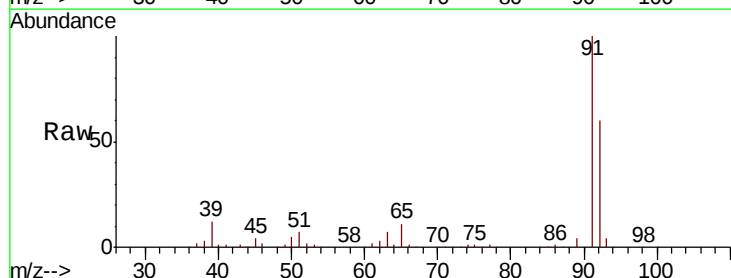
Acq: 29 Nov 2018 10:18

Tgt Ion: 92 Resp: 1799146

Ion Ratio Lower Upper

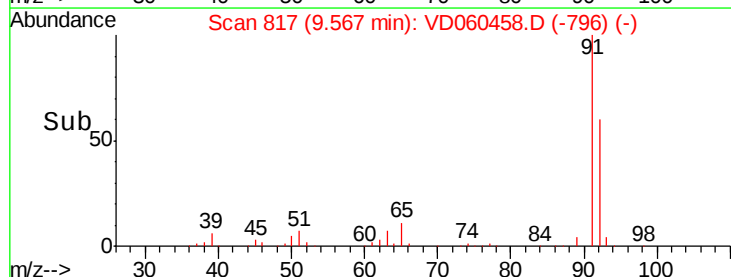
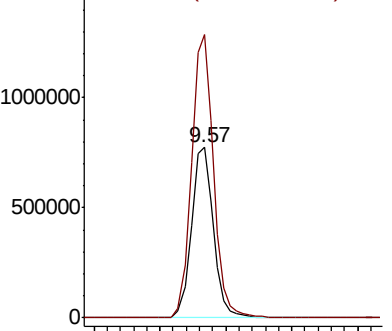
92 100

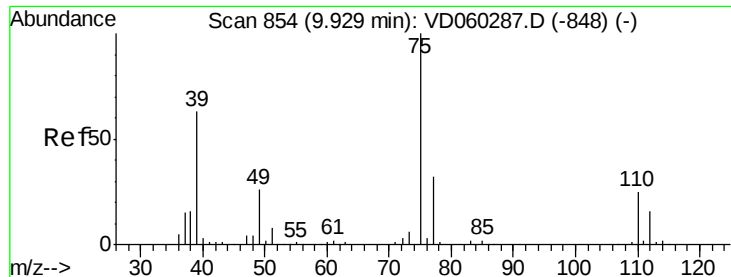
91 165.8 131.9 197.9



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: 52.067 ug/l

RT: 9.93 min Scan# 854

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

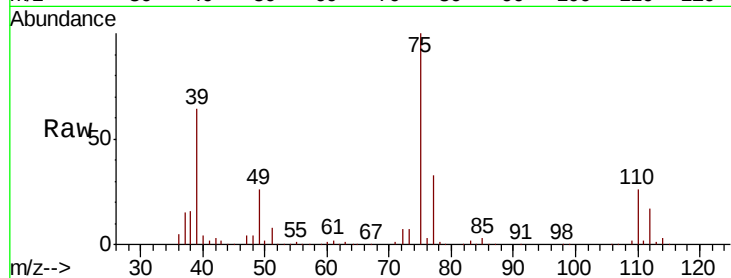
VSTDCCC050

Tot Ion: 75 Resp: 820319

Ion Ratio Lower Upper

75 100

77 32.6 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.93

400000

300000

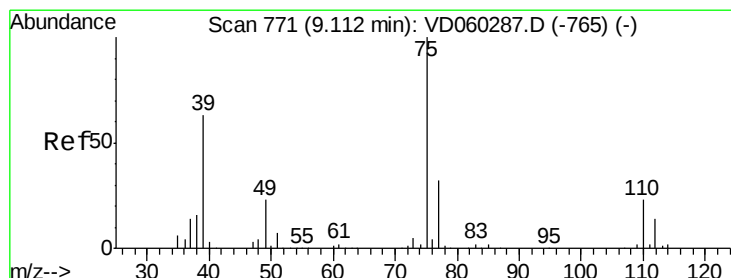
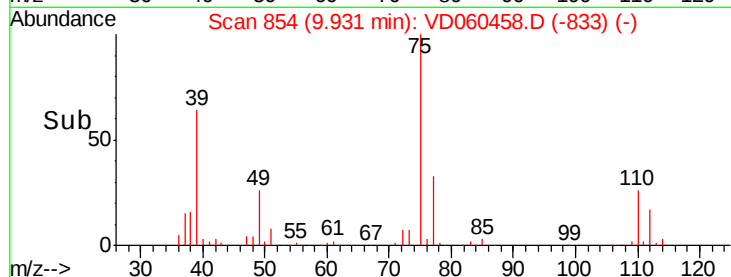
200000

100000

0

Time-->

9.80 9.90 10.00 10.10



#54

cis-1,3-Dichloropropene

Concen: 52.279 ug/l

RT: 9.11 min Scan# 771

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

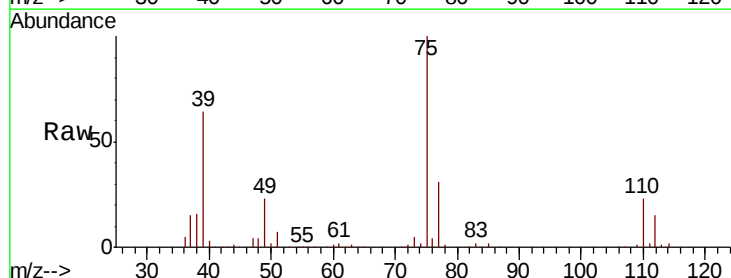
Tgt Ion: 75 Resp: 1056429

Ion Ratio Lower Upper

75 100

77 31.5 26.3 39.5

39 63.6 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

9.11

600000

500000

400000

300000

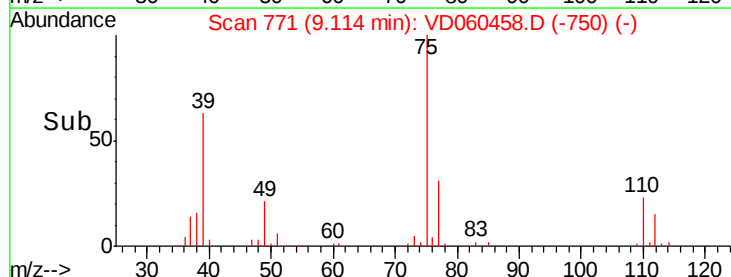
200000

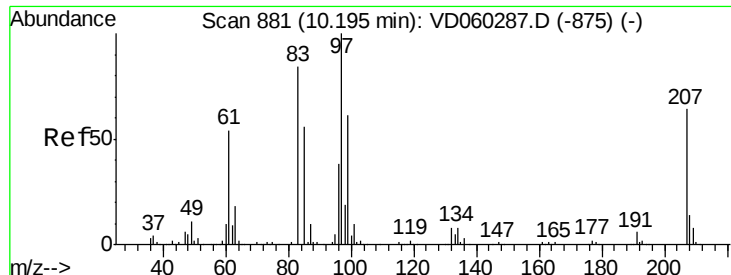
100000

0

Time-->

9.00 9.10 9.20 9.30

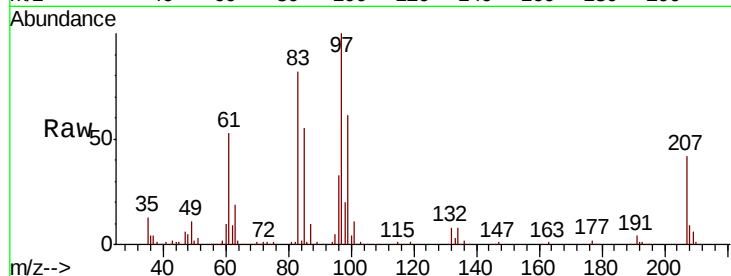




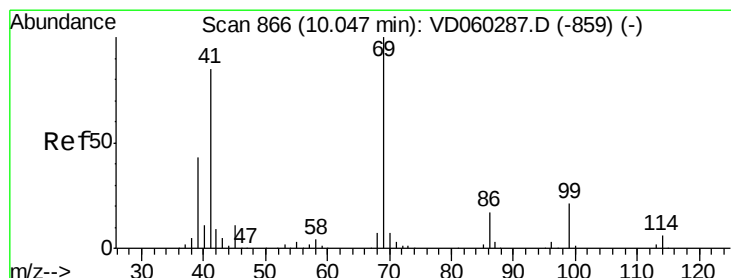
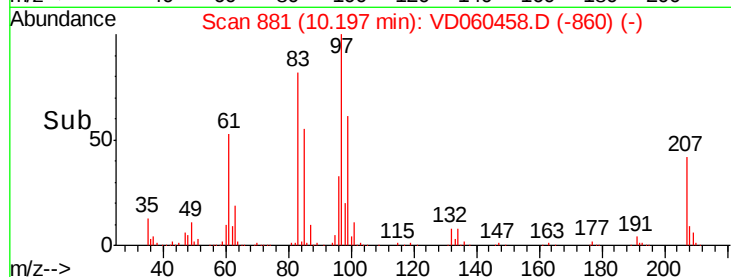
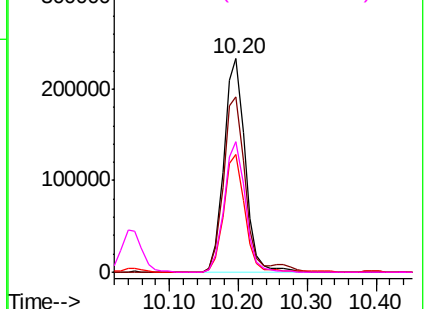
#55
 1,1,2-Trichloroethane
 Concen: 50.124 ug/l
 RT: 10.20 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 497146
 Ion Ratio Lower Upper
 97 100
 83 82.0 68.4 102.6
 85 55.2 46.8 70.2
 99 61.2 49.5 74.3

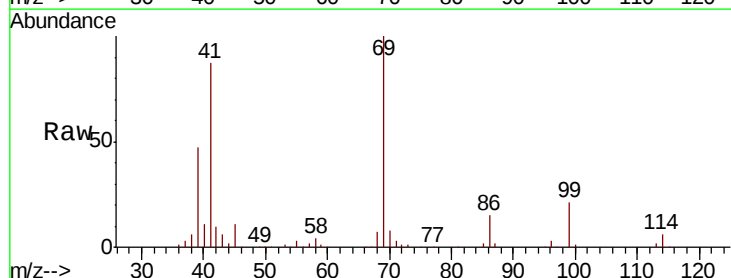


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

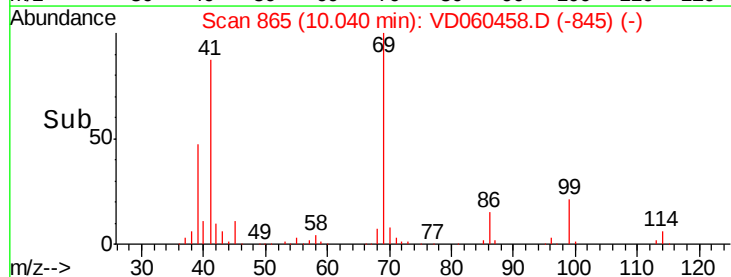
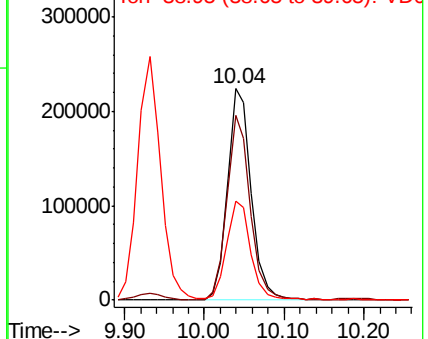


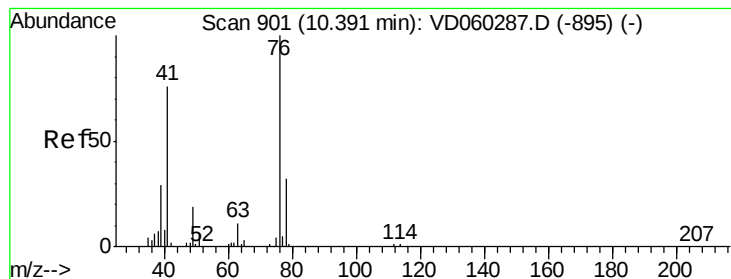
#56
 Ethyl methacrylate
 Concen: 51.510 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

Tgt Ion: 69 Resp: 469739
 Ion Ratio Lower Upper
 69 100
 41 87.5 69.0 103.4
 39 47.0 36.6 54.8



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





#57

1,3-Dichloropropane

Concen: 50.019 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

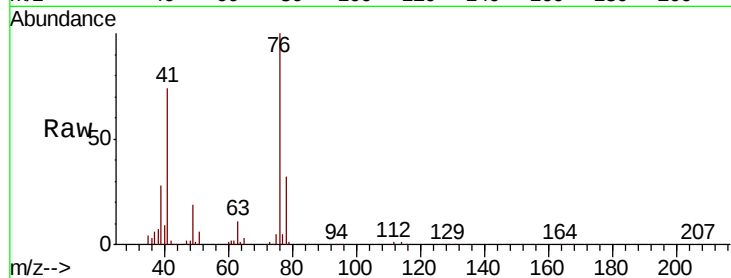
VSTDCCC050

Tot Ion: 76 Resp: 755944

Ion Ratio Lower Upper

76 100

78 31.5 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.39

400000

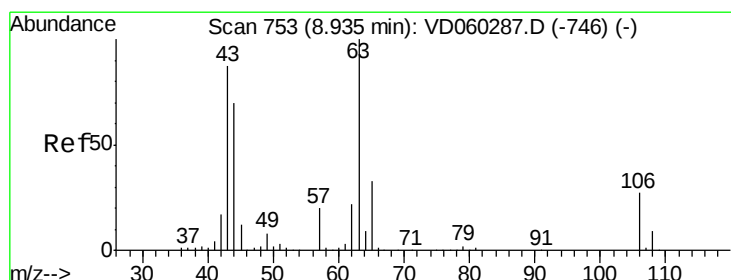
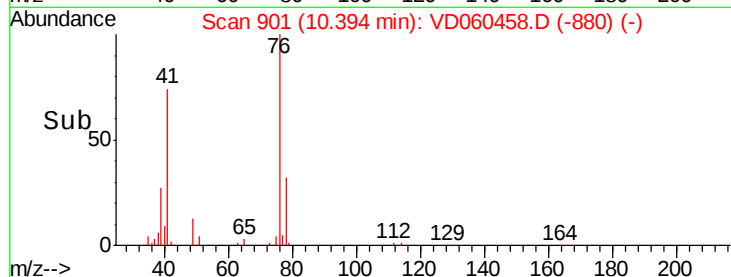
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 458.984 ug/l

RT: 8.94 min Scan# 753

Delta R.T. 0.00 min

Lab File: VD060458.D

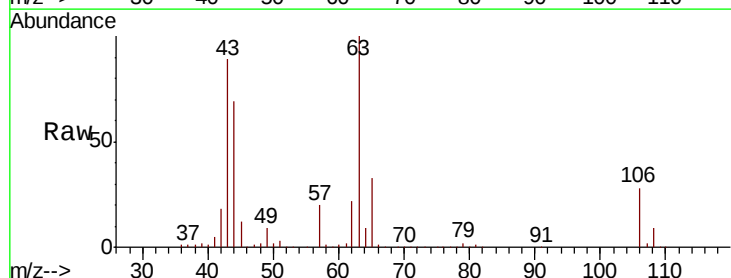
Acq: 29 Nov 2018 10:18

Tgt Ion: 63 Resp: 2530831

Ion Ratio Lower Upper

63 100

106 27.9 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.94

1200000

1000000

800000

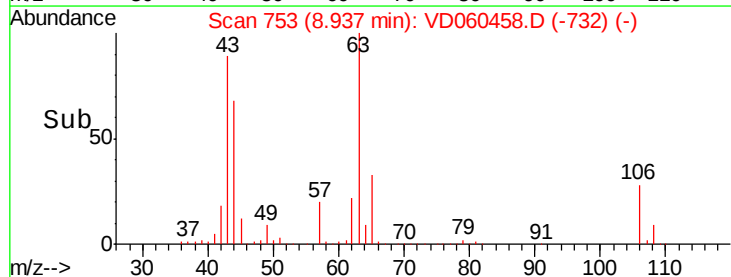
600000

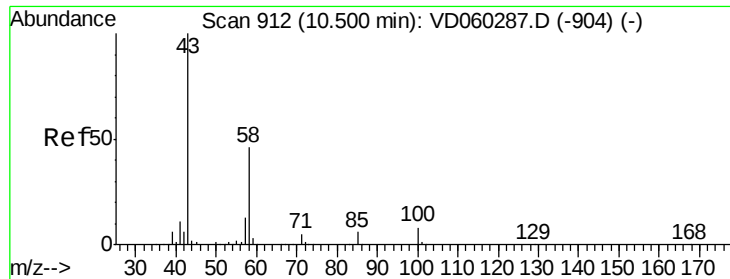
400000

200000

0

Time-->

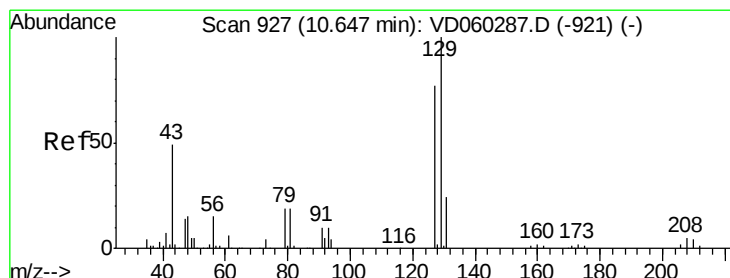
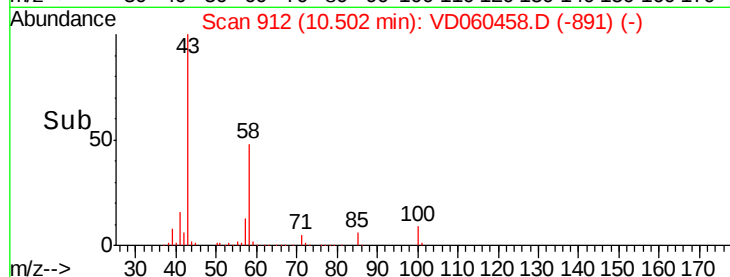
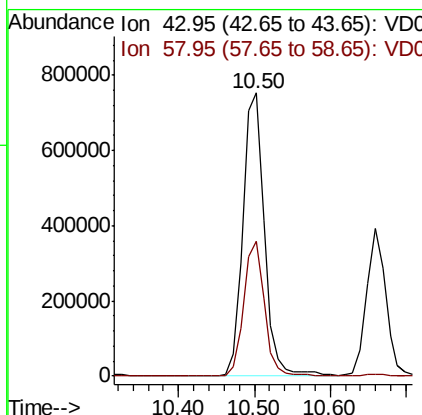
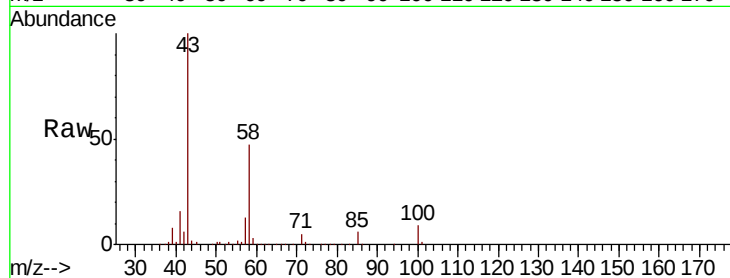




#59
2-Hexanone
Concen: 260.909 ug/l
RT: 10.50 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

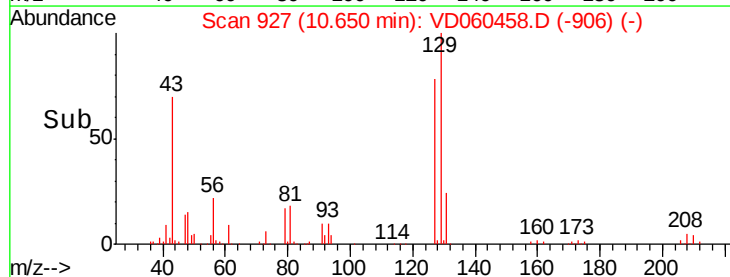
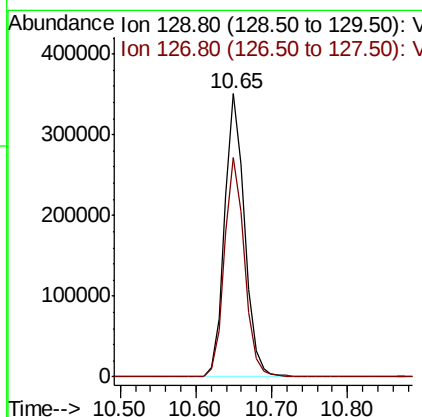
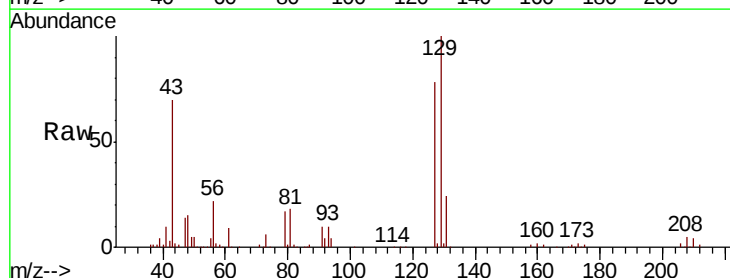
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

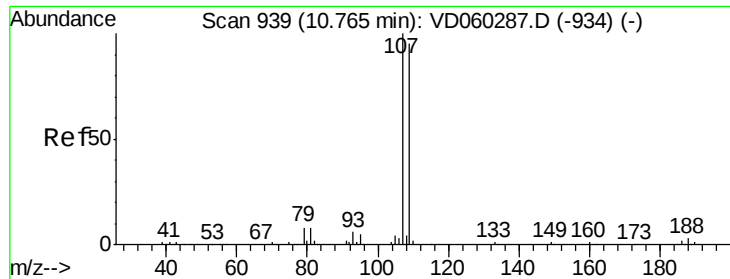
Tot Ion: 43 Resp: 1468219
Ion Ratio Lower Upper
43 100
58 47.5 22.9 68.5



#60
Dibromochloromethane
Concen: 53.236 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.00 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Tgt Ion: 129 Resp: 641838
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.6

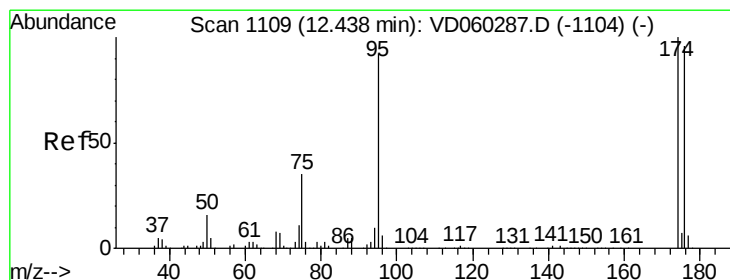
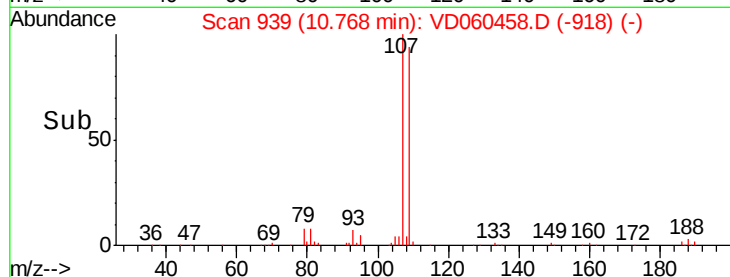
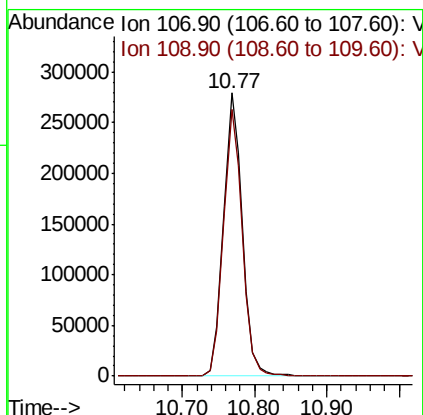
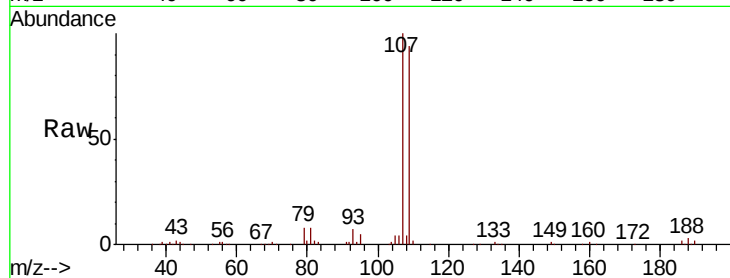




#61
1,2-Dibromoethane
Concen: 50.292 ug/l
RT: 10.77 min Scan# 939
Delta R.T. 0.00 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

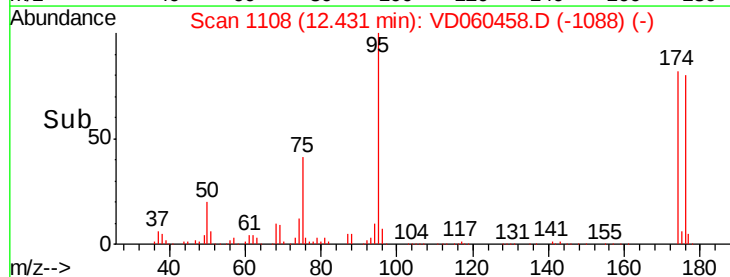
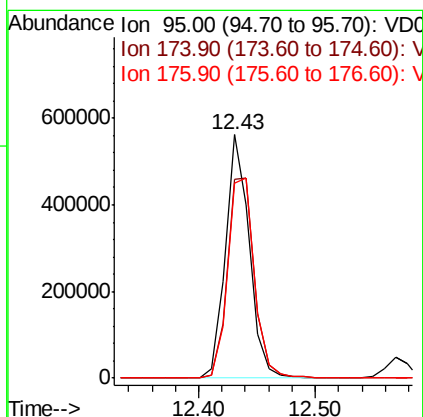
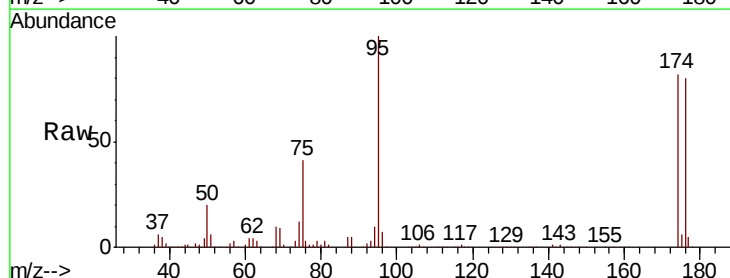
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

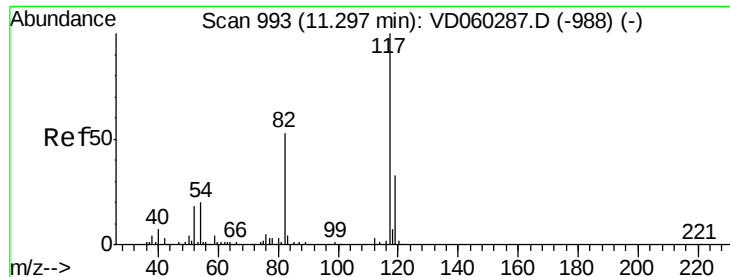
Tot Ion:107 Resp: 499778
Ion Ratio Lower Upper
107 100
109 94.2 75.7 113.5



#62
4-Bromofluorobenzene
Concen: 50.292 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Tgt Ion: 95 Resp: 795391
Ion Ratio Lower Upper
95 100
174 81.8 0.0 160.8
176 79.9 0.0 154.6

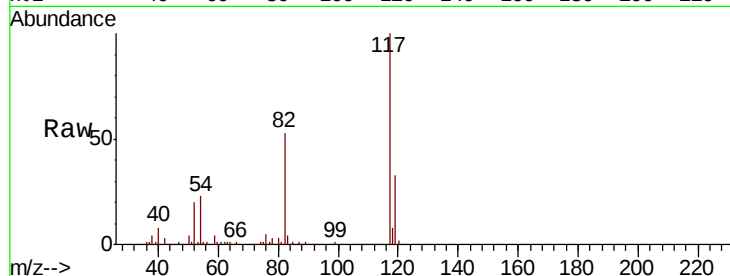




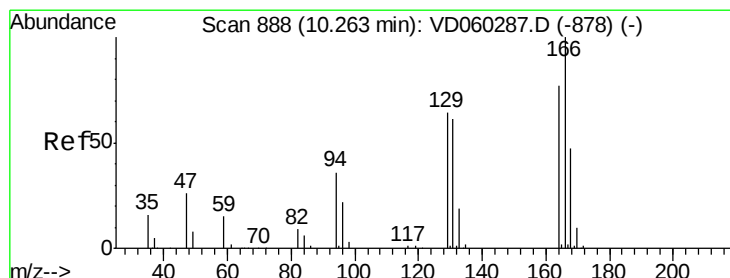
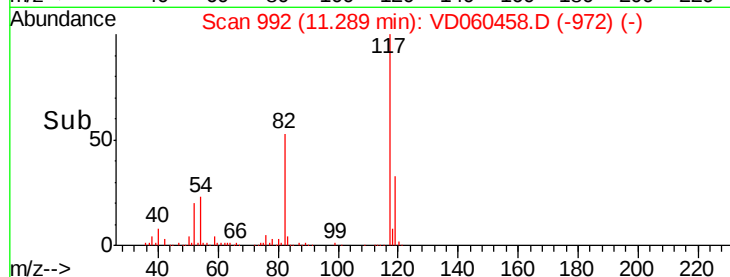
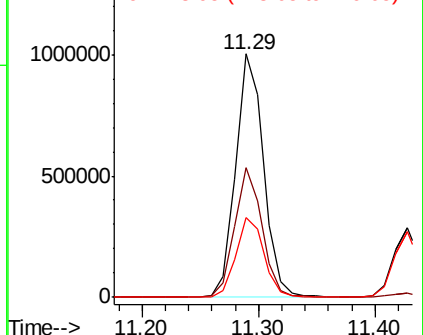
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1661824
Ion Ratio Lower Upper
117 100
82 53.4 43.7 65.5
119 32.6 26.1 39.1

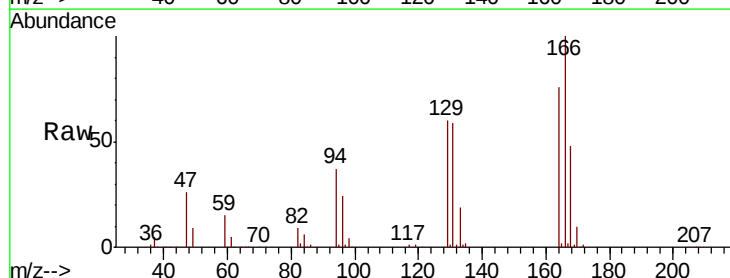


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

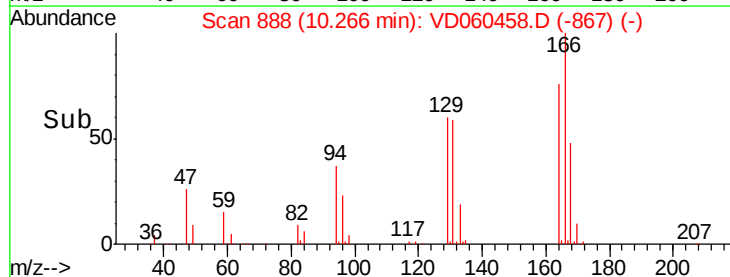
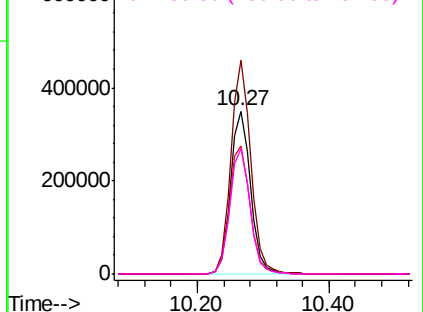


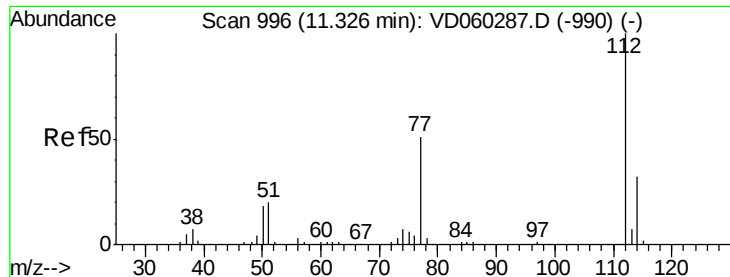
#64
Tetrachloroethene
Concen: 50.570 ug/l
RT: 10.27 min Scan# 888
Delta R.T. 0.00 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Tgt Ion:164 Resp: 750251
Ion Ratio Lower Upper
164 100
166 131.0 103.7 155.5
129 78.6 65.6 98.4
131 77.1 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: 52.749 ug/l

RT: 11.32 min Scan# 995

Delta R.T. -0.01 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

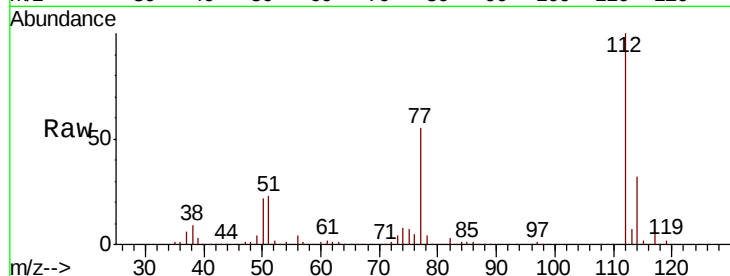
VSTDCCC050

Tot Ion:112 Resp: 1899350

Ion Ratio Lower Upper

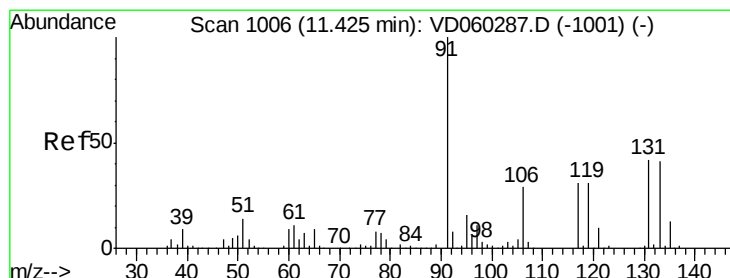
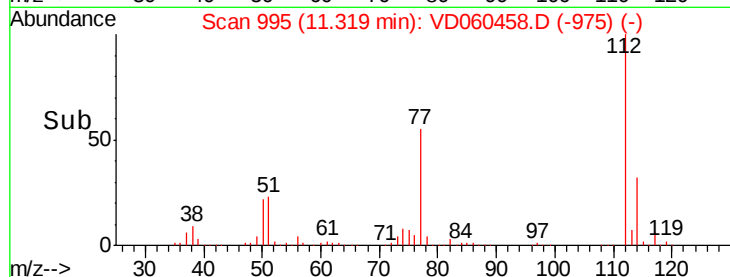
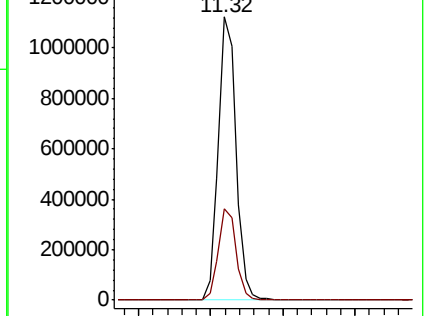
112 100

114 32.5 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: 52.132 ug/l

RT: 11.43 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

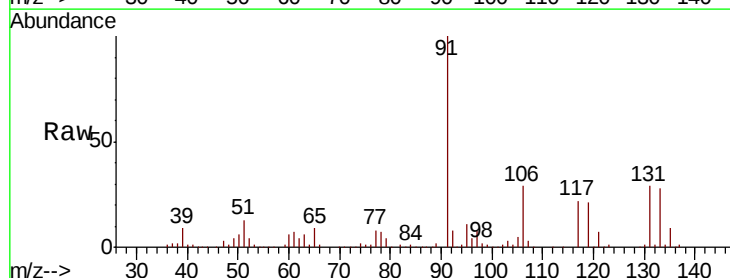
Tgt Ion:131 Resp: 614172

Ion Ratio Lower Upper

131 100

133 96.0 50.0 150.0

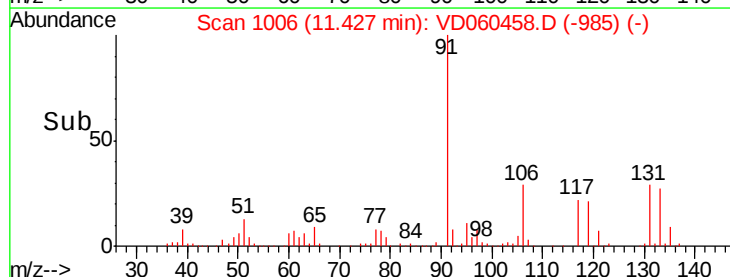
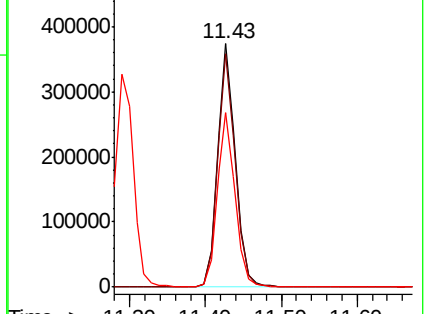
119 71.9 37.0 111.1



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

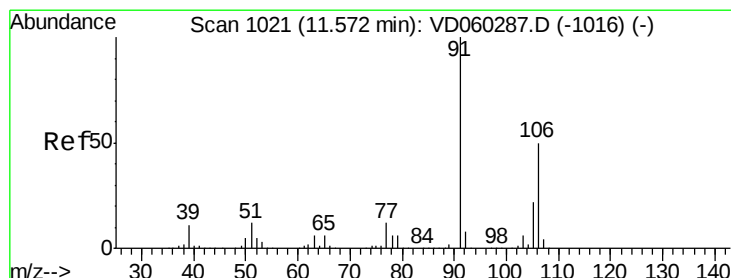
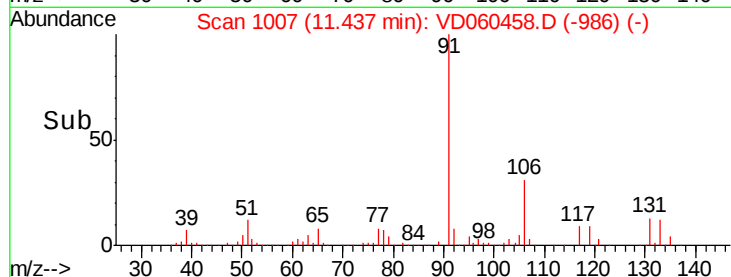
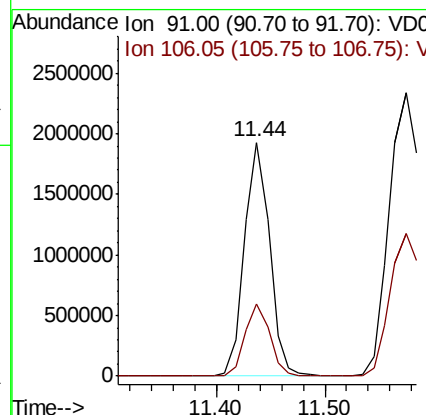
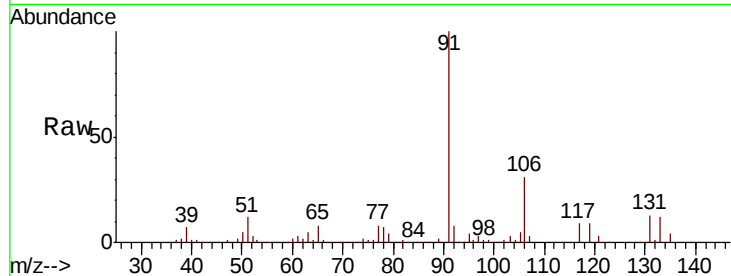




#67
Ethyl Benzene
Concen: 50.701 ug/l
RT: 11.44 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

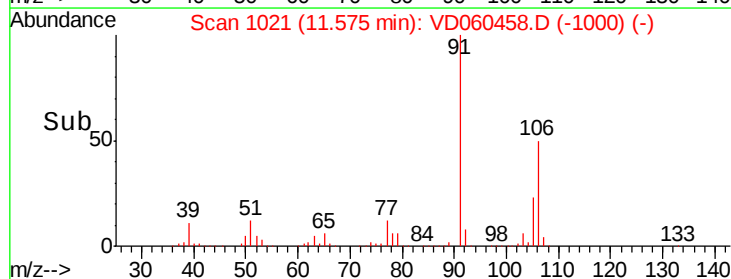
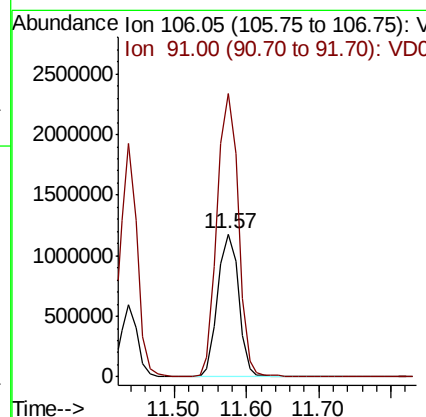
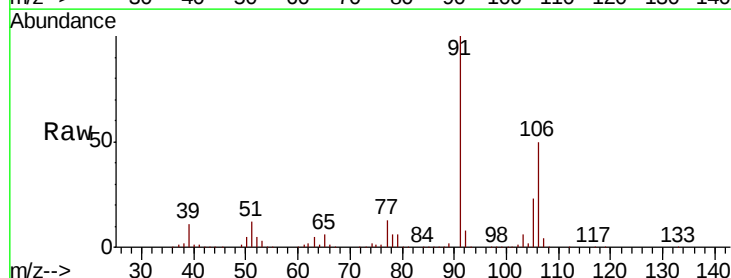
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

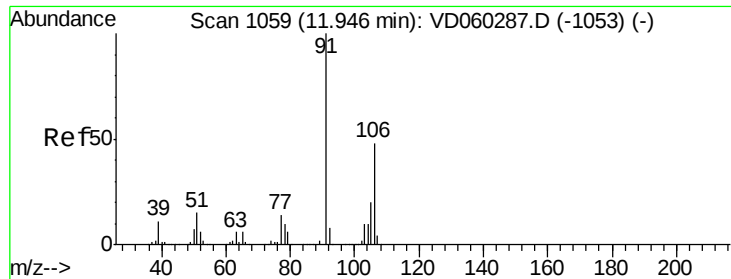
Tot Ion: 91 Resp: 3122959
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8



#68
m/p-Xylenes
Concen: 104.527 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Tgt Ion: 106 Resp: 2375011
Ion Ratio Lower Upper
106 100
91 198.1 159.4 239.2

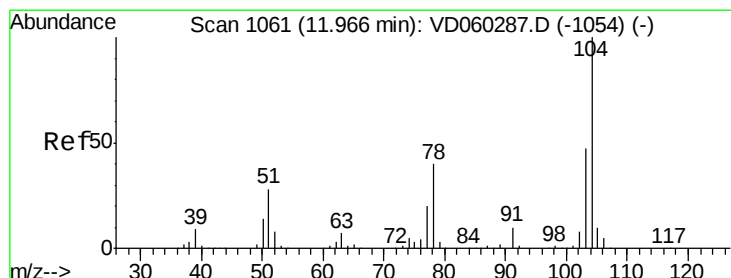
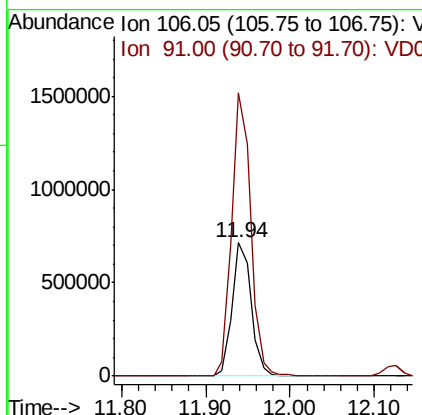
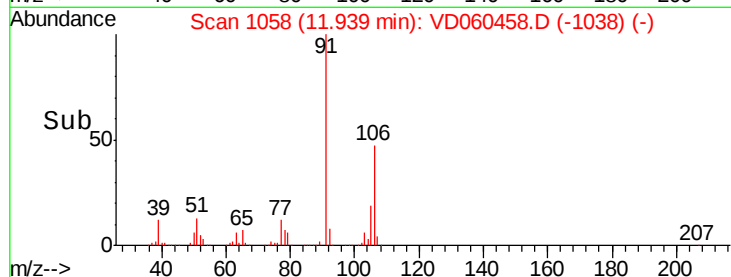
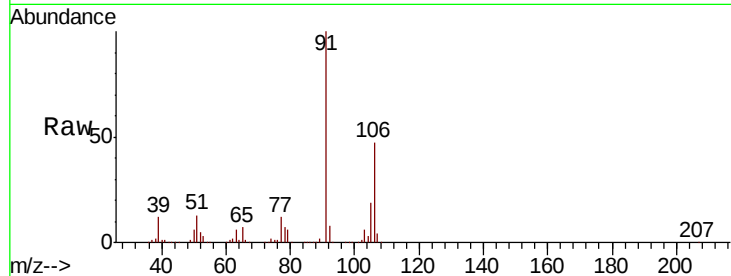




#69
o-Xylene
Concen: 51.439 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

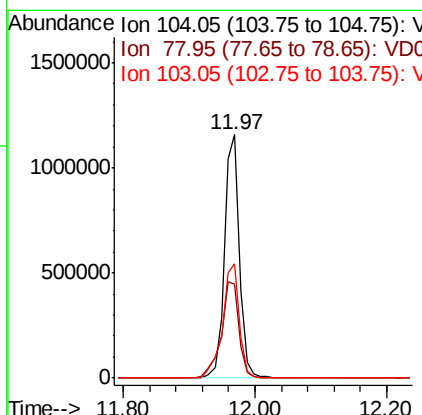
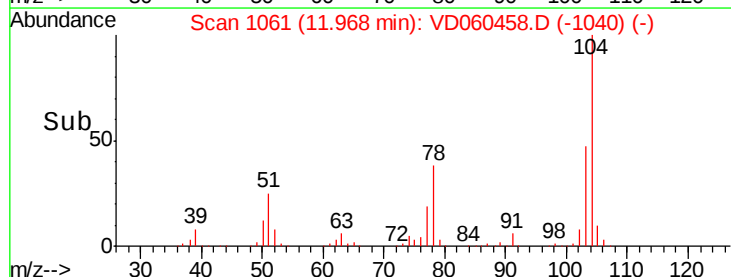
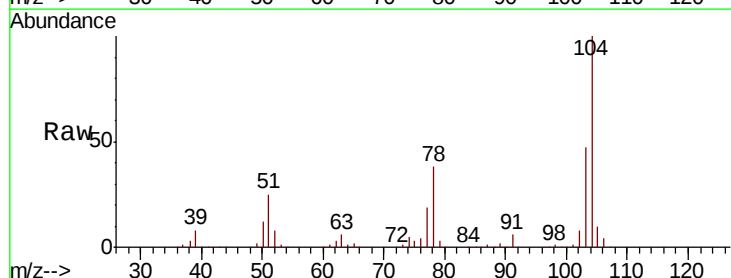
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

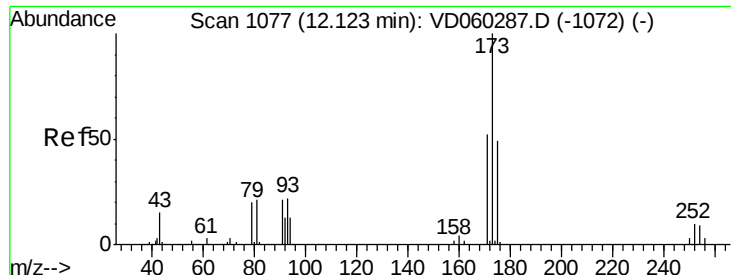
Tot Ion:106 Resp: 1129148
Ion Ratio Lower Upper
106 100
91 212.5 109.2 327.6



#70
Styrene
Concen: 51.532 ug/l
RT: 11.97 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Tgt Ion:104 Resp: 1828107
Ion Ratio Lower Upper
104 100
78 38.4 31.6 47.4
103 47.1 37.0 55.6

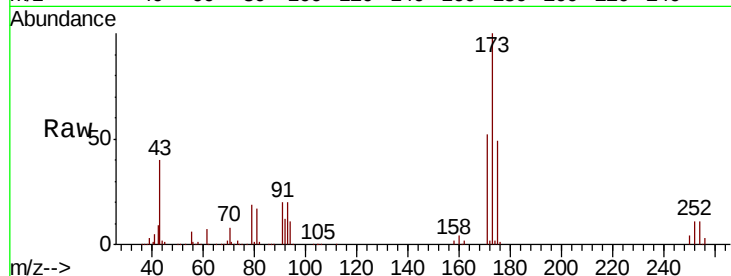




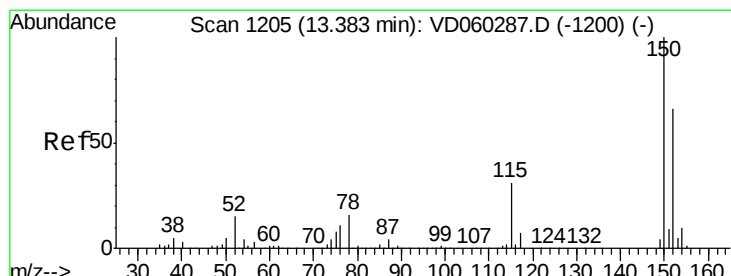
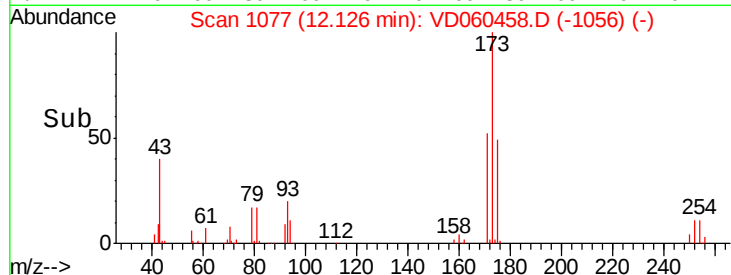
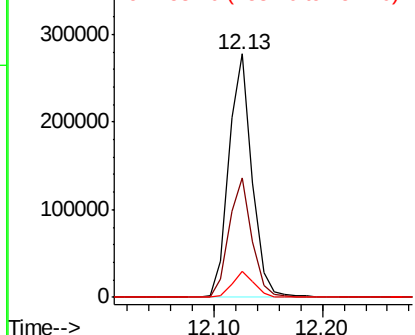
#71
Bromoform
Concen: 52.147 ug/l
RT: 12.13 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 412829
Ion Ratio Lower Upper
173 100
175 49.2 24.3 73.0
254 10.9 8.3 12.5

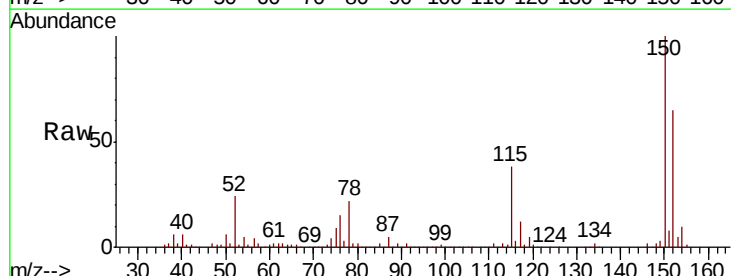


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

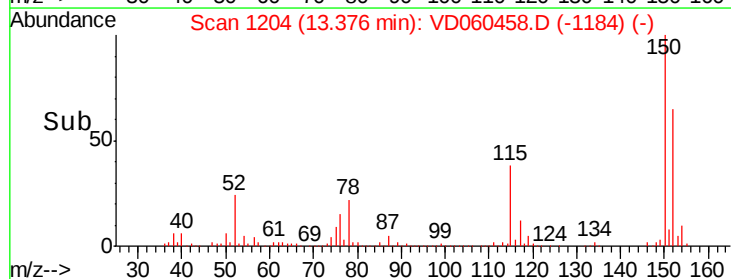
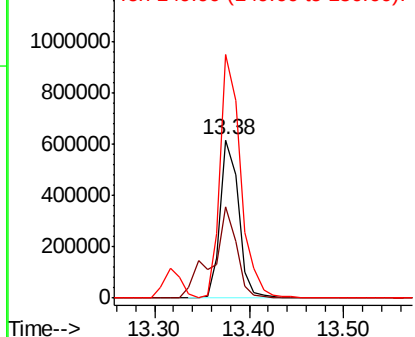


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Tgt Ion:152 Resp: 833950
Ion Ratio Lower Upper
152 100
115 58.2 24.1 72.3
150 154.3 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: 52.065 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

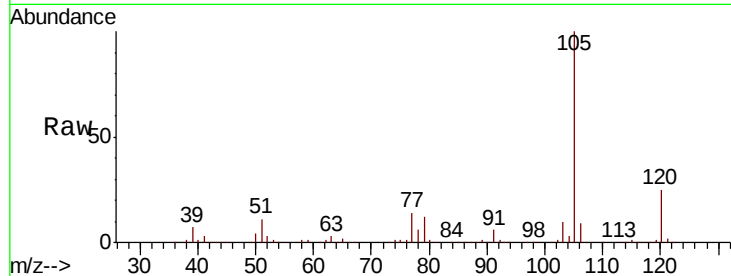
VSTDCCC050

Tot Ion:105 Resp: 3163455

Ion Ratio Lower Upper

105 100

120 24.7 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

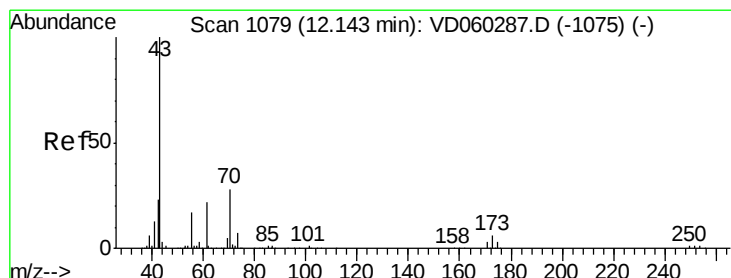
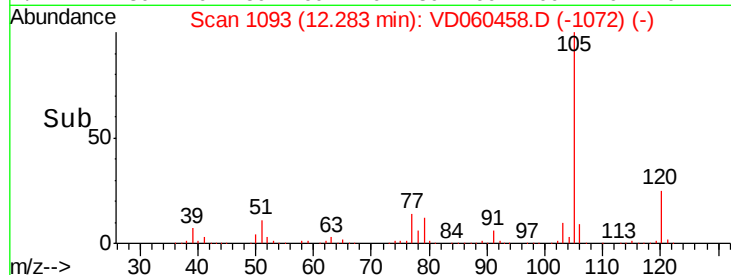
1000000

500000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 50.466 ug/l

RT: 12.15 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Tgt Ion: 43 Resp: 786122

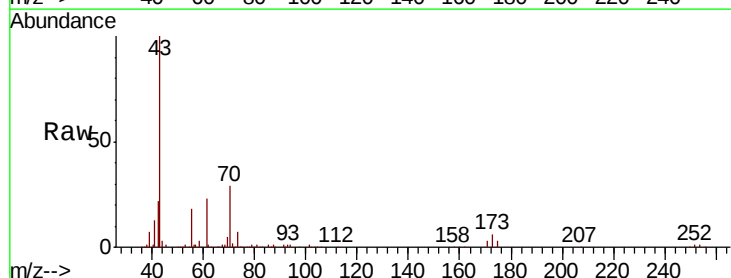
Ion Ratio Lower Upper

43 100

70 29.2 23.0 34.4

55 17.9 14.2 21.4

61 23.2 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

800000

600000

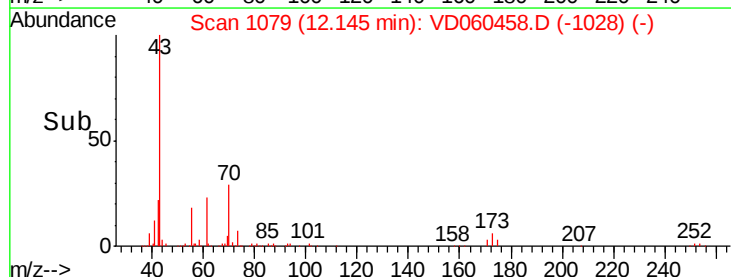
400000

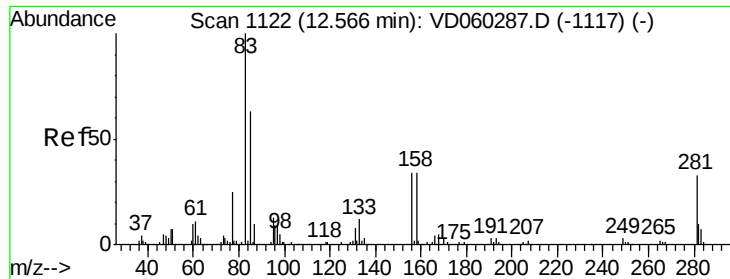
200000

0

12.10 12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.591 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

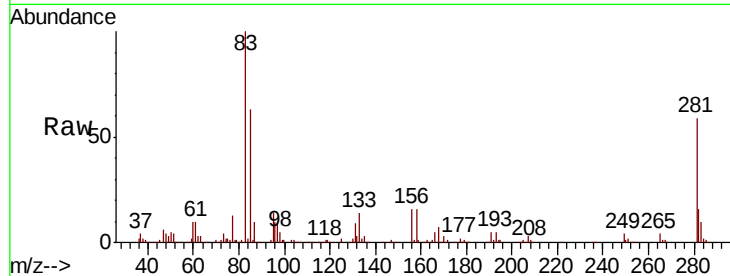
Tot Ion: 83 Resp: 492778

Ion Ratio Lower Upper

83 100

131 8.8 3.9 11.5

85 62.7 32.0 96.0



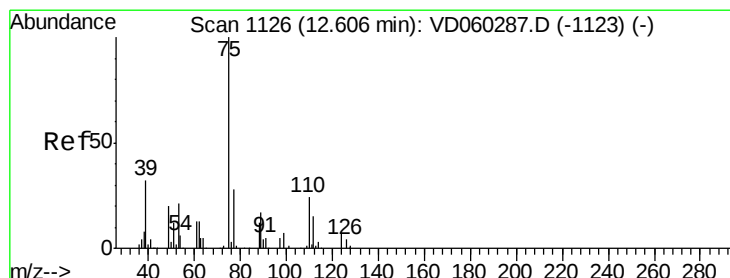
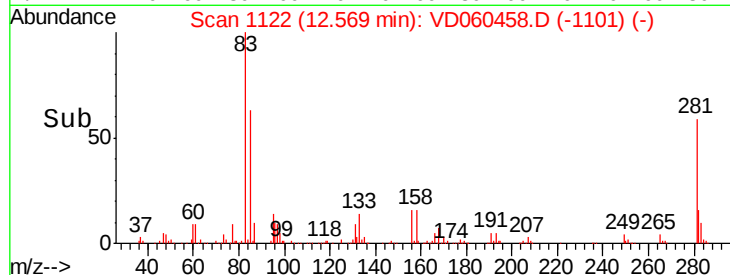
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

12.57

Time-->



#76

1,2,3-Trichloropropane

Concen: 50.451 ug/l

RT: 12.61 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD060458.D

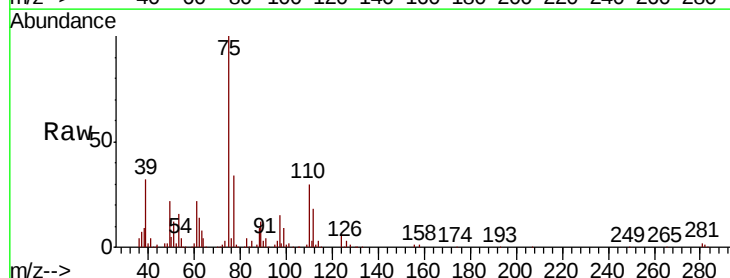
Acq: 29 Nov 2018 10:18

Tgt Ion: 75 Resp: 503302

Ion Ratio Lower Upper

75 100

77 34.0 16.4 49.1

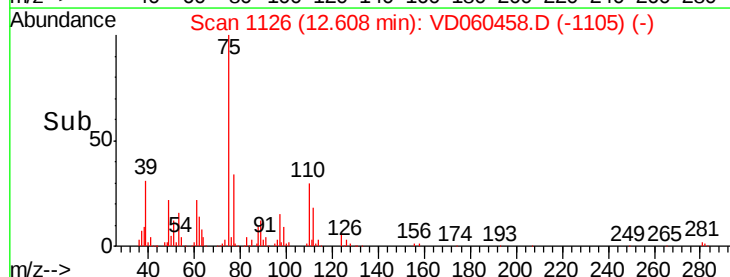


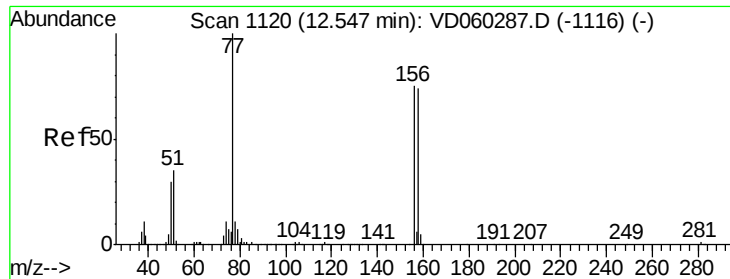
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.61

Time-->





#77

Bromobenzene

Concen: 49.685 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

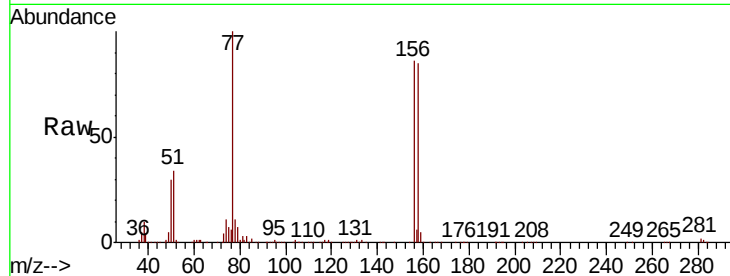
Tot Ion:156 Resp: 801884

Ion Ratio Lower Upper

156 100

77 116.0 61.2 183.6

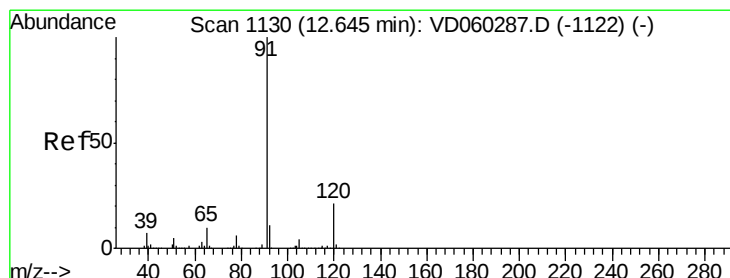
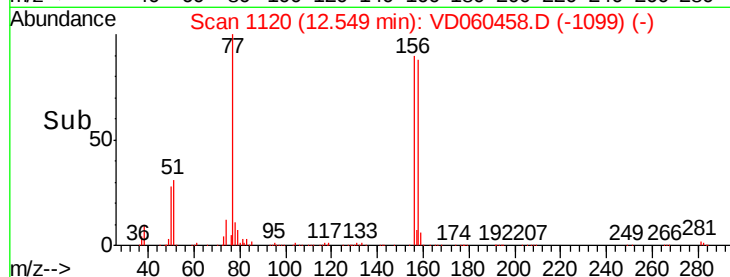
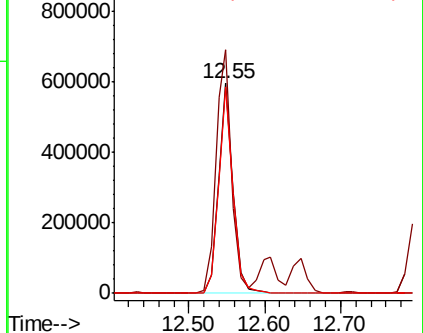
158 98.6 49.2 147.6



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: 51.601 ug/l

RT: 12.65 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060458.D

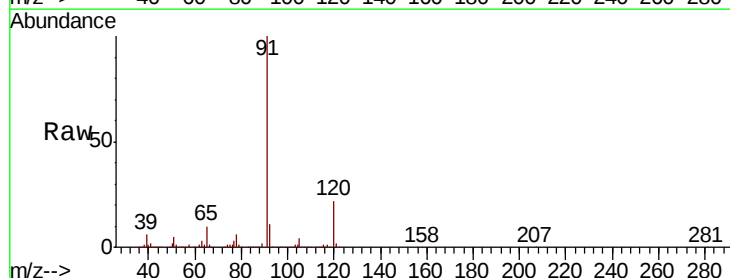
Acq: 29 Nov 2018 10:18

Tgt Ion: 91 Resp: 3913364

Ion Ratio Lower Upper

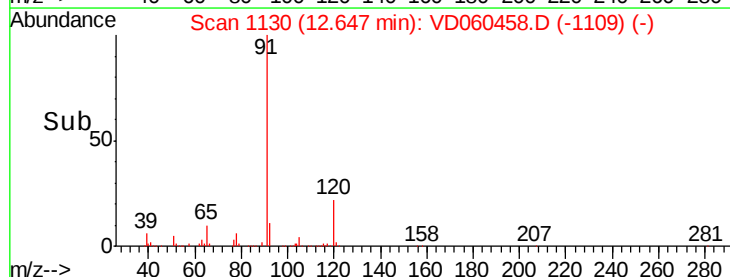
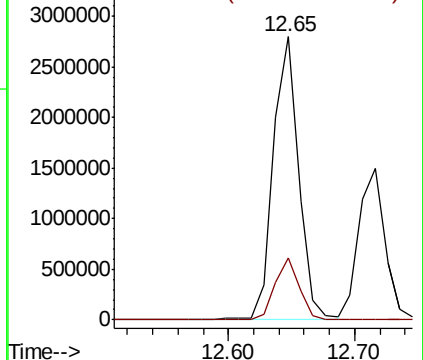
91 100

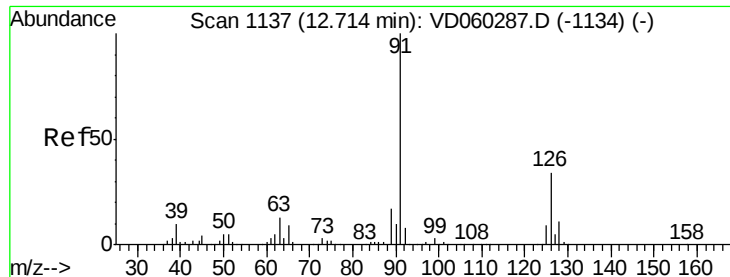
120 21.8 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

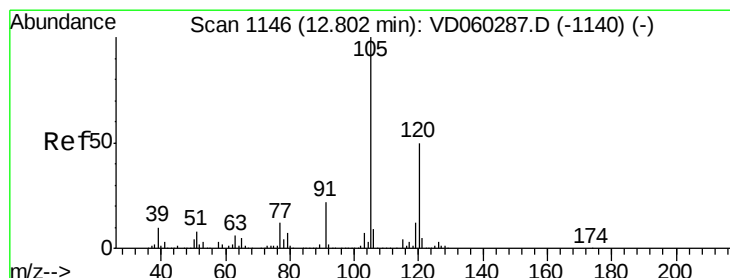
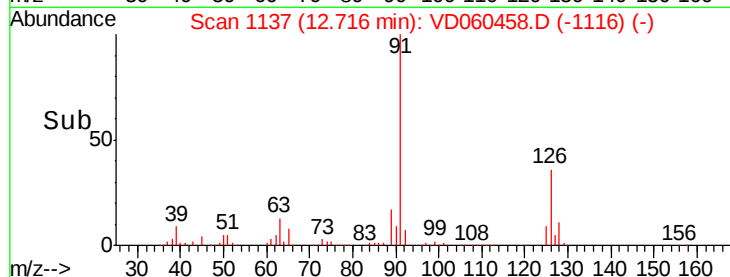
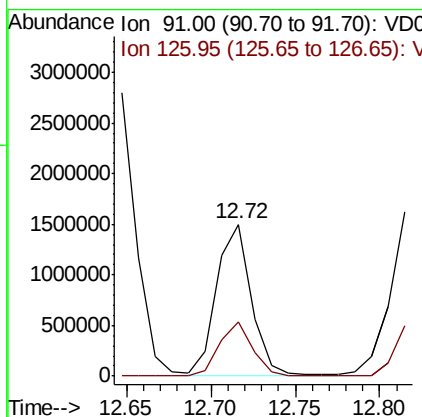
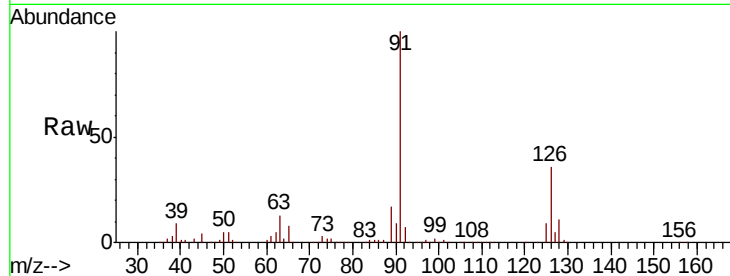




#79
 2-Chlorotoluene
 Concen: 51.705 ug/l
 RT: 12.72 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

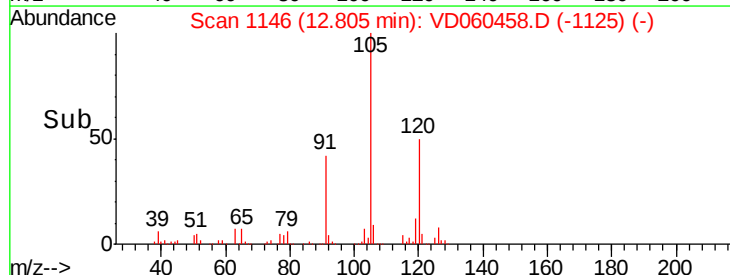
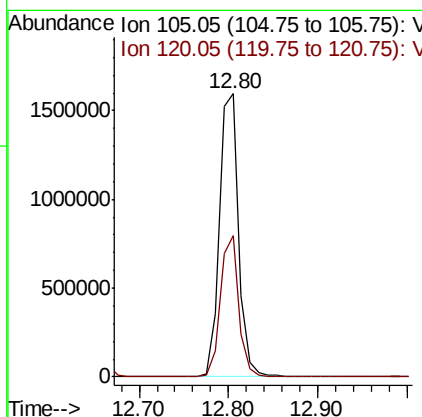
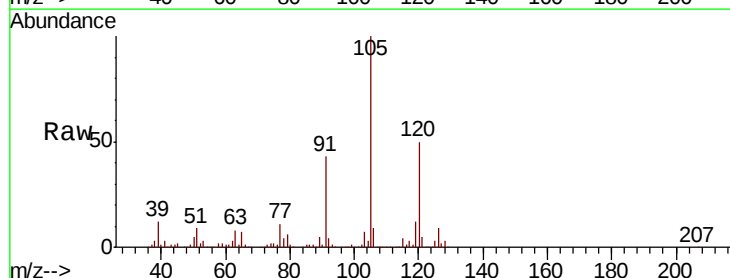
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

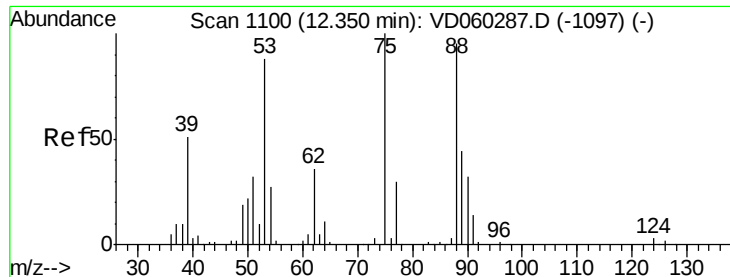
Tot Ion: 91 Resp: 2147628
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 50.965 ug/l
 RT: 12.80 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

Tgt Ion: 105 Resp: 2406528
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.923 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

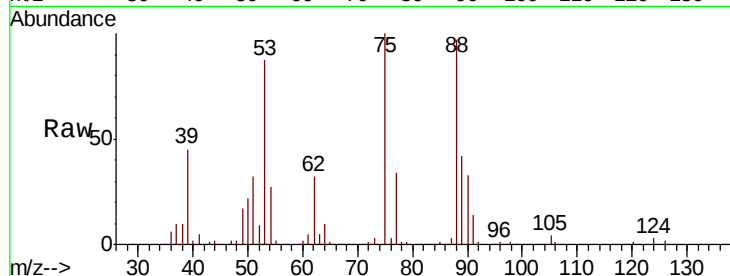
Tot Ion: 75 Resp: 147470

Ion Ratio Lower Upper

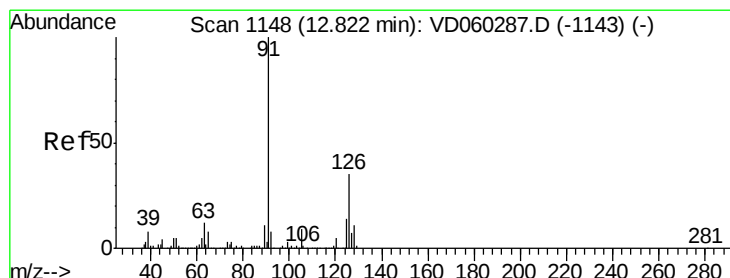
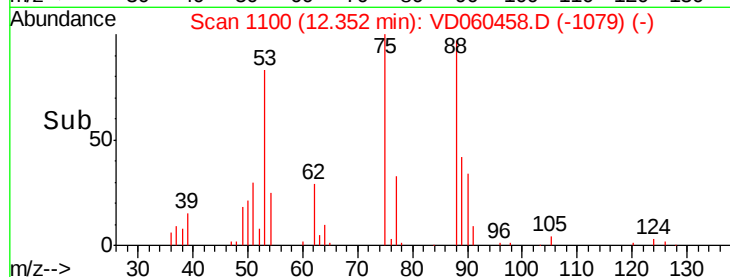
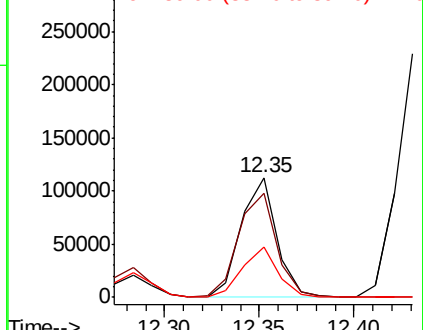
75 100

53 87.0 68.6 103.0

89 42.2 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: 50.838 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060458.D

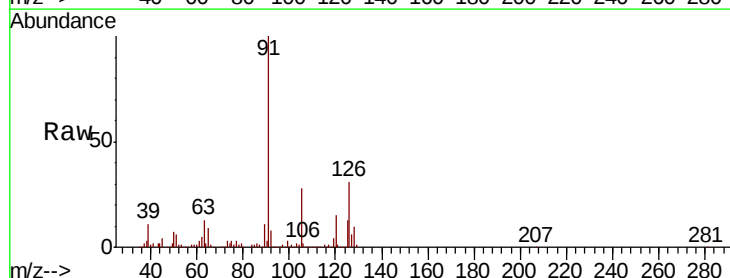
Acq: 29 Nov 2018 10:18

Tgt Ion: 91 Resp: 2372053

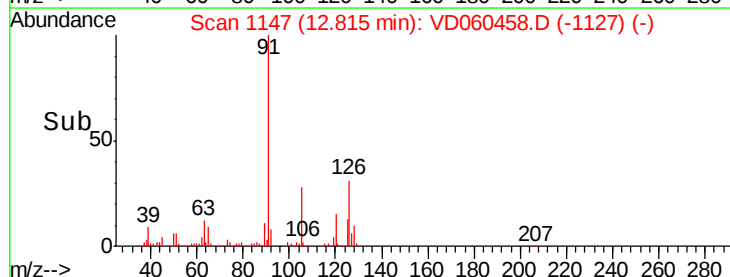
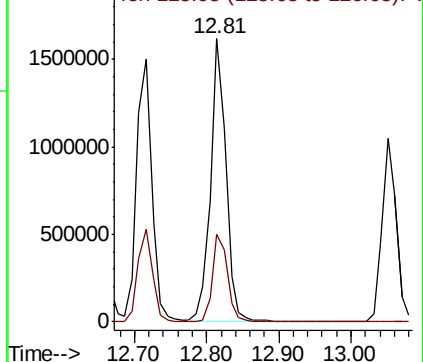
Ion Ratio Lower Upper

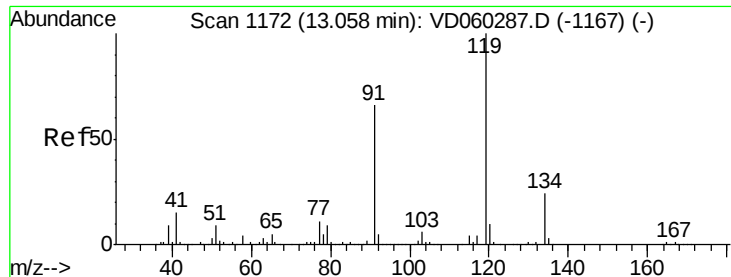
91 100

126 31.1 14.8 44.4



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

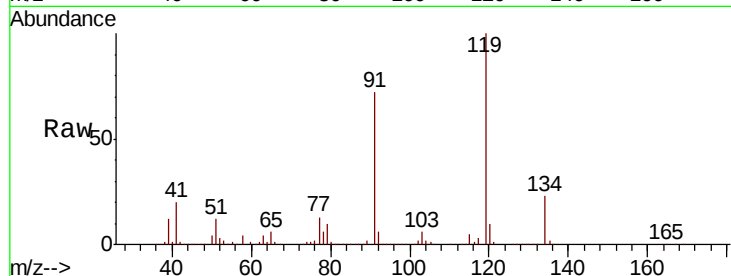




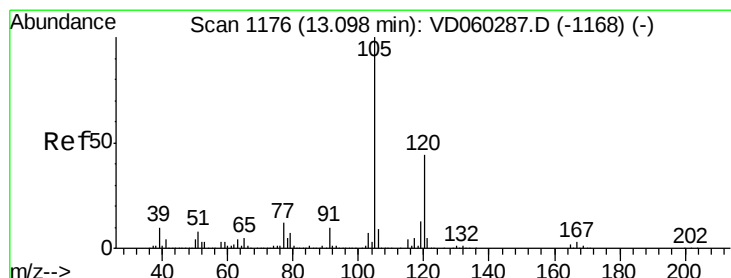
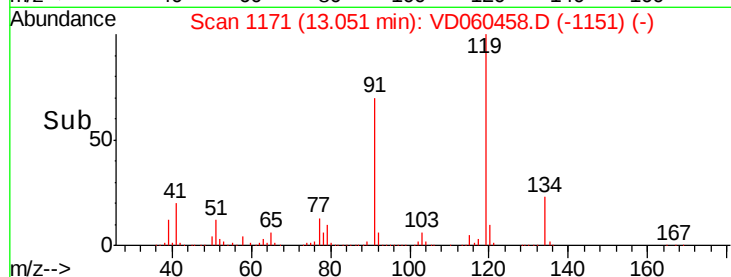
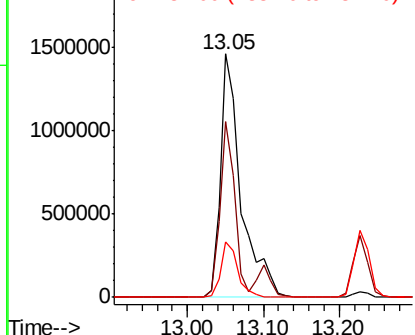
#83
tert-Butylbenzene
Concen: 53.325 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 2795472
Ion Ratio Lower Upper
119 100
91 72.0 32.7 98.1
134 22.7 12.1 36.3

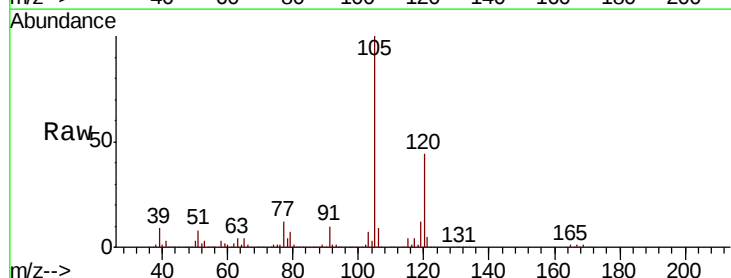


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

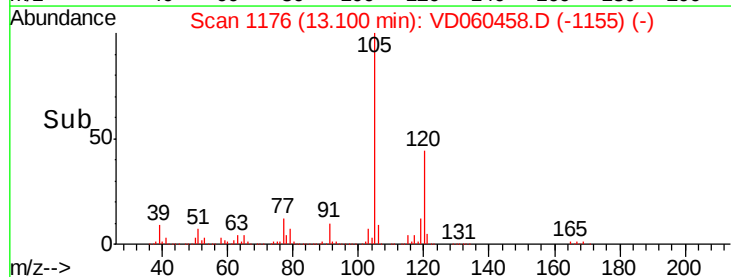
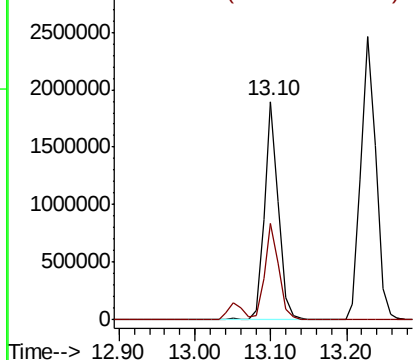


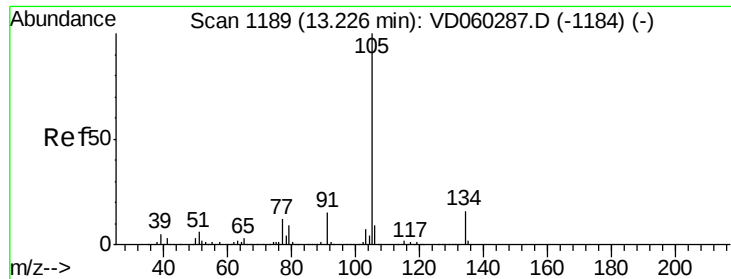
#84
1,2,4-Trimethylbenzene
Concen: 52.300 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Tgt Ion:105 Resp: 2466359
Ion Ratio Lower Upper
105 100
120 44.2 21.9 65.8



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

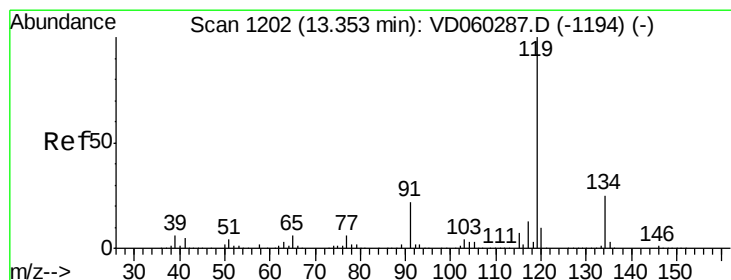
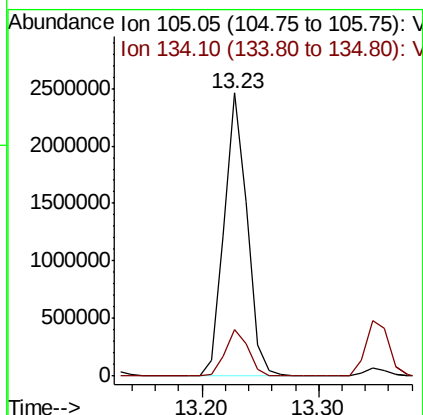
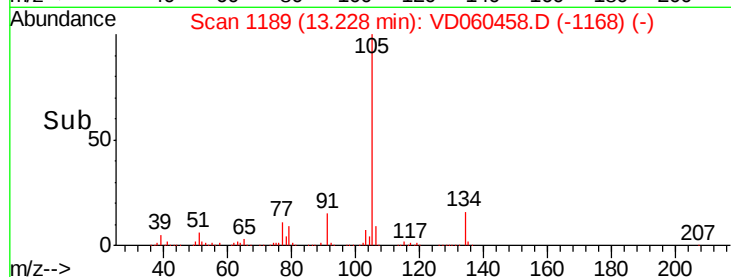
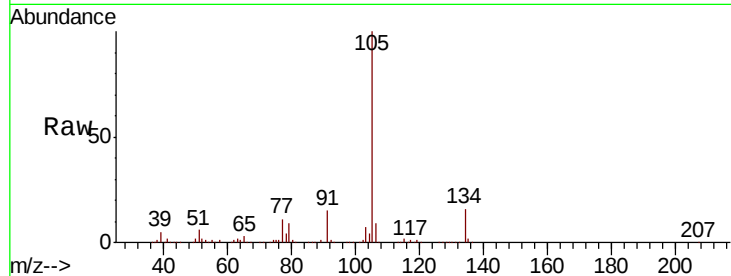




#85
 sec-Butylbenzene
 Concen: 51.912 ug/l
 RT: 13.23 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

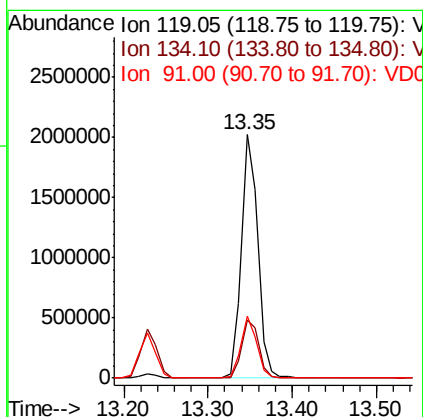
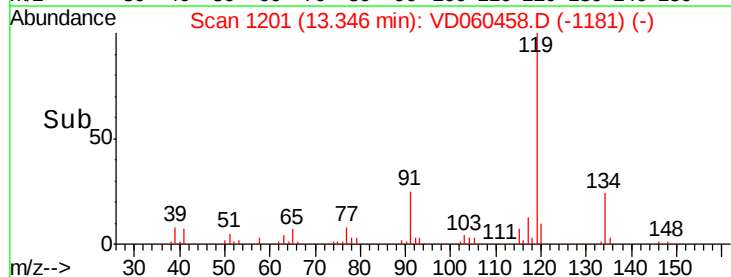
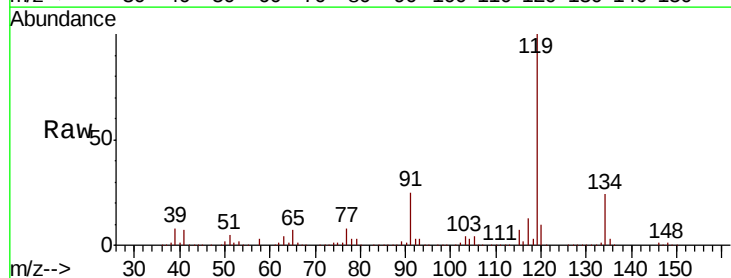
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

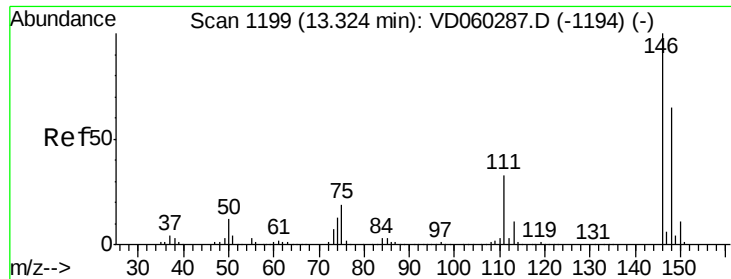
Tot Ion:105 Resp: 3338836
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 53.101 ug/l
 RT: 13.35 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

Tgt Ion:119 Resp: 2750363
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.9 38.6
 91 25.3 11.3 33.8

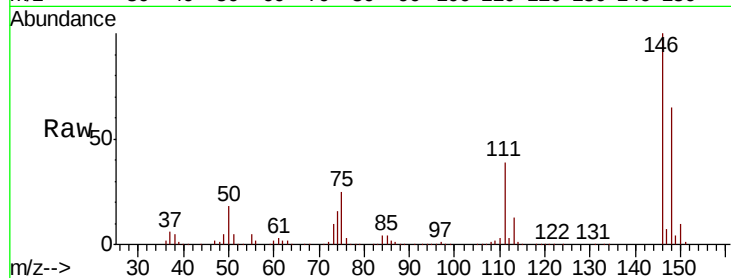




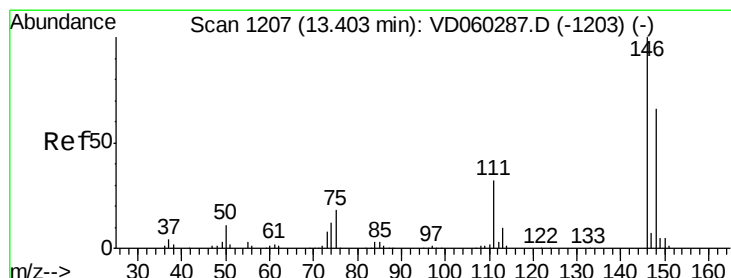
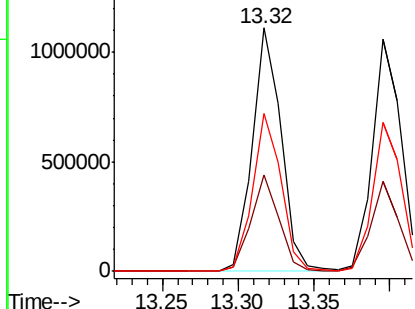
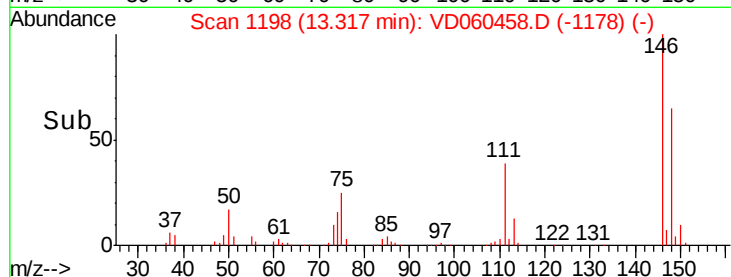
#87
 1,3-Dichlorobenzene
 Concen: 51.356 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:146 Resp: 1474627
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.2 60.5
 148 64.6 32.0 96.0

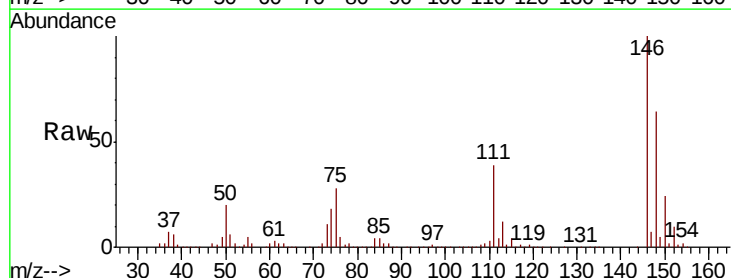


Abundance Ion 145.95 (145.65 to 146.65): V
 1500000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

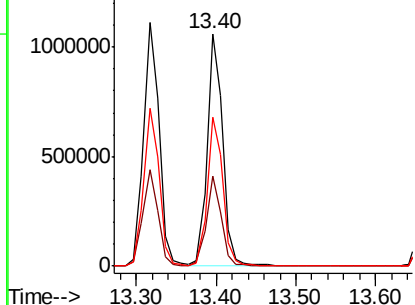
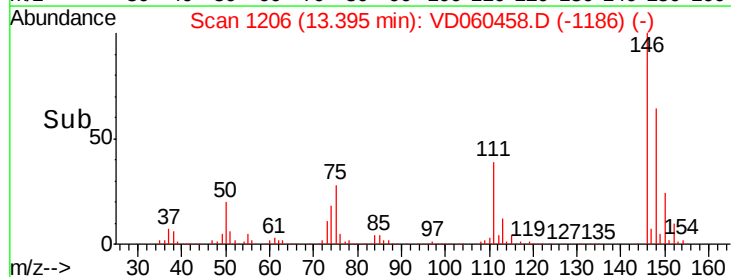


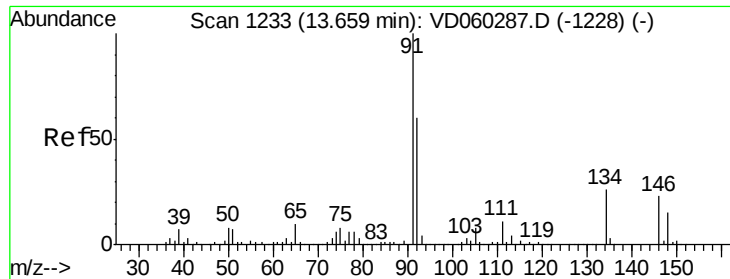
#88
 1,4-Dichlorobenzene
 Concen: 51.313 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

Tgt Ion:146 Resp: 1438989
 Ion Ratio Lower Upper
 146 100
 111 38.8 16.0 47.9
 148 64.2 32.9 98.7



Abundance Ion 145.95 (145.65 to 146.65): V
 1500000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

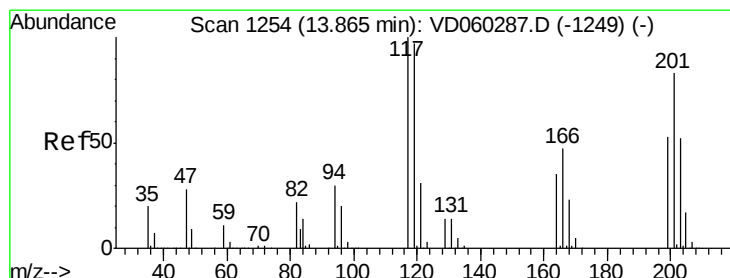
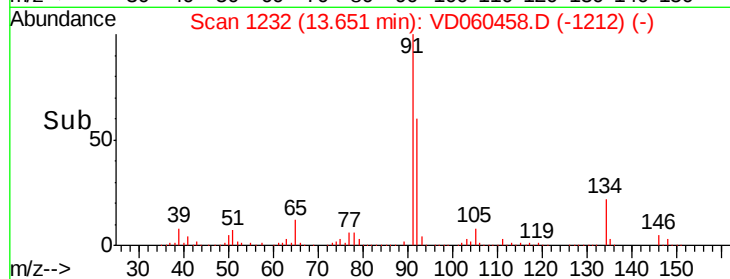
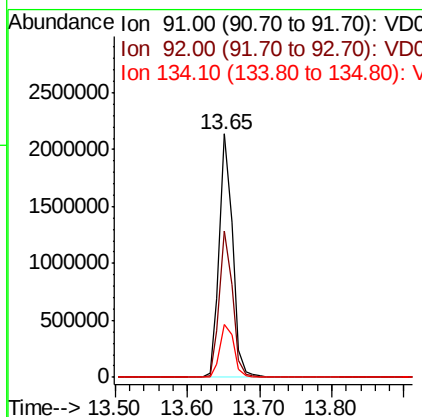
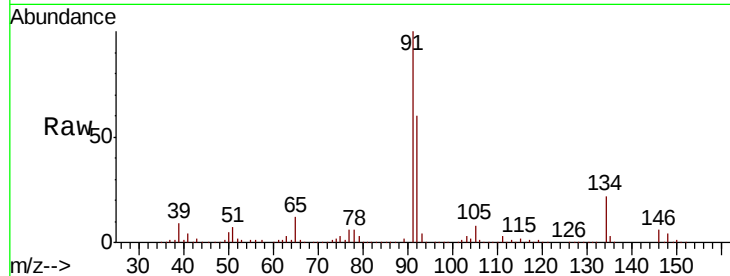




#89
n-Butylbenzene
Concen: 54.581 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

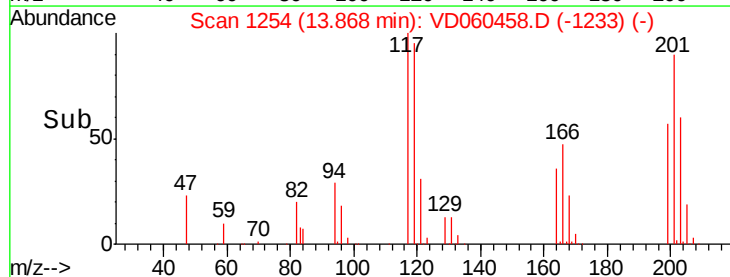
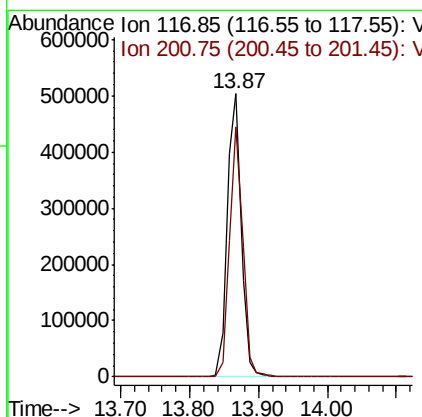
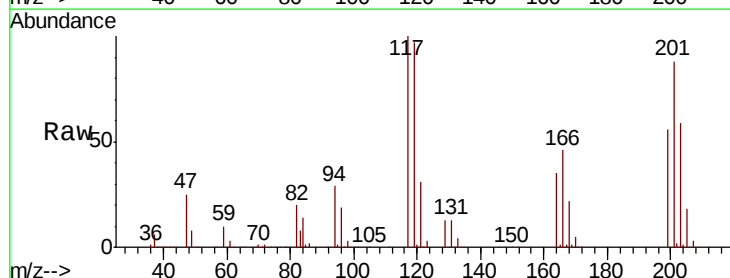
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

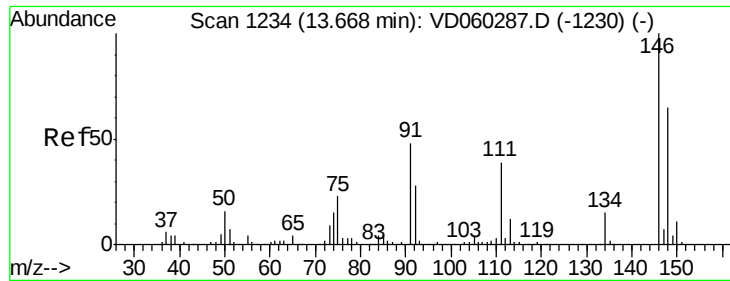
Tot Ion: 91 Resp: 2706154
Ion Ratio Lower Upper
91 100
92 60.2 30.3 90.9
134 21.9 13.0 38.9



#90
Hexachloroethane
Concen: 57.802 ug/l
RT: 13.87 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Tgt Ion: 117 Resp: 709910
Ion Ratio Lower Upper
117 100
201 88.1 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 49.270 ug/l

RT: 13.67 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

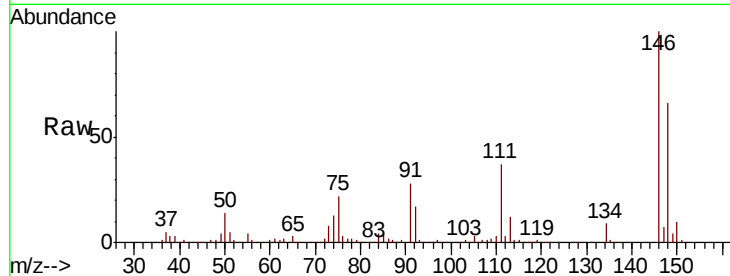
Tot Ion:146 Resp: 1162033

Ion Ratio Lower Upper

146 100

111 37.1 18.9 56.9

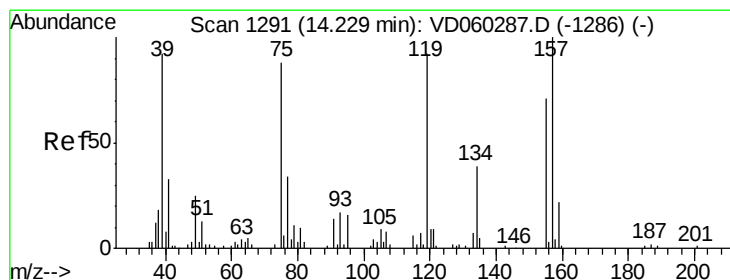
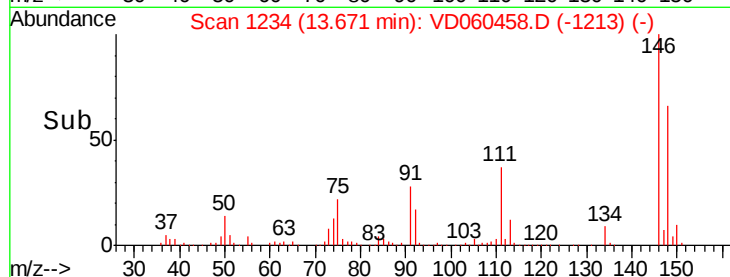
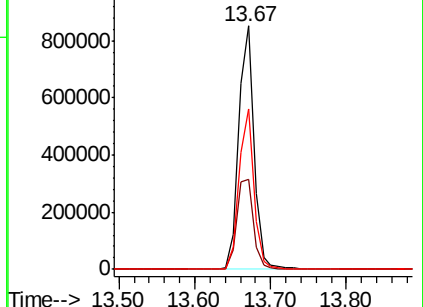
148 65.6 31.6 94.8



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: 52.621 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VD060458.D

Acq: 29 Nov 2018 10:18

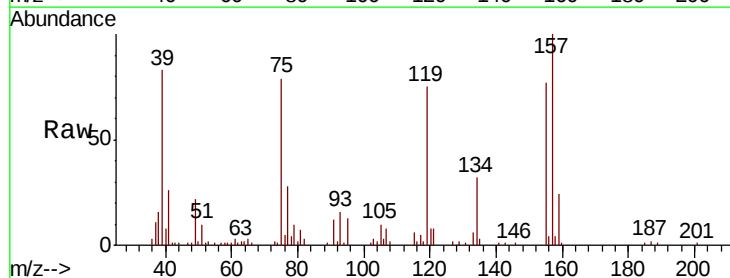
Tgt Ion: 75 Resp: 63119

Ion Ratio Lower Upper

75 100

155 98.3 64.3 192.9

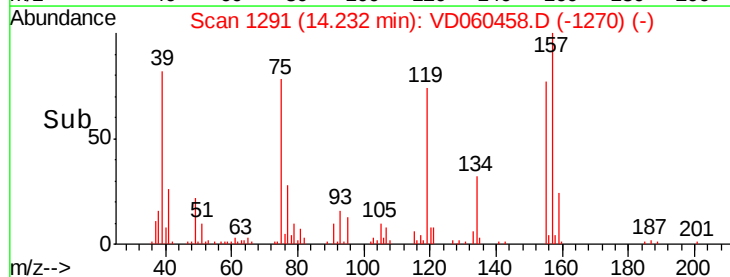
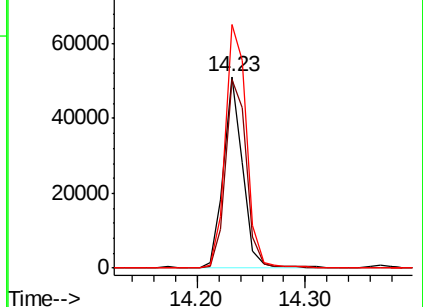
157 127.2 81.0 243.1

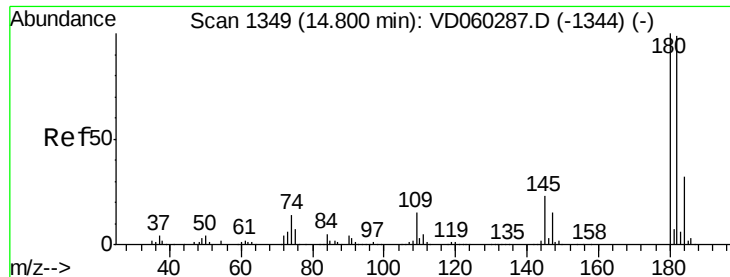


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

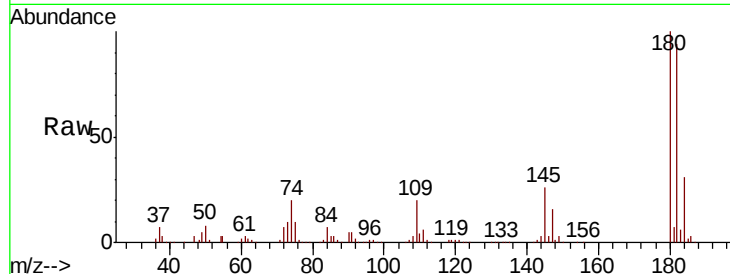




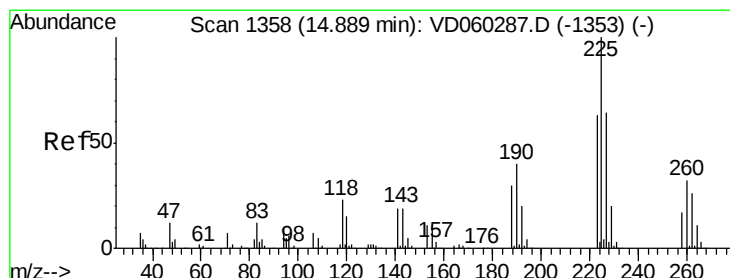
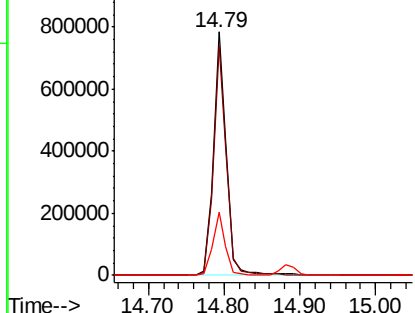
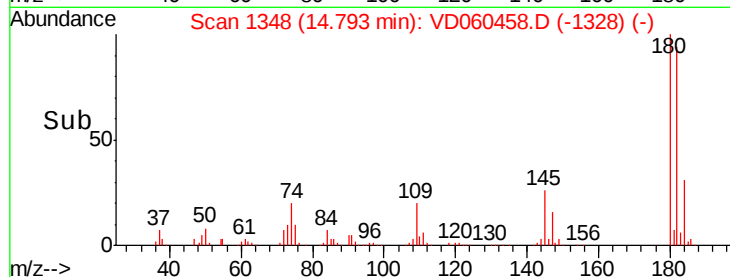
#93
 1,2,4-Trichlorobenzene
 Concen: 51.145 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 956393
 Ion Ratio Lower Upper
 180 100
 182 94.4 48.1 144.4
 145 25.9 11.5 34.4

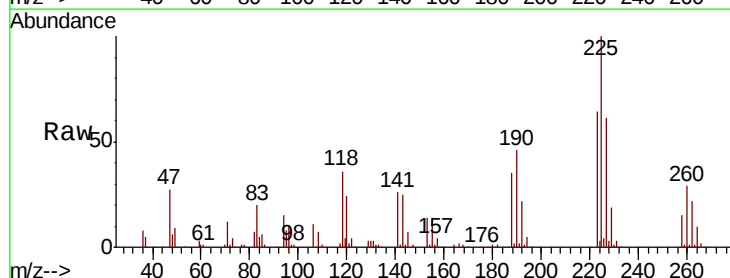


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

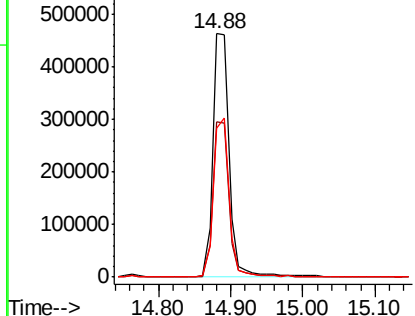
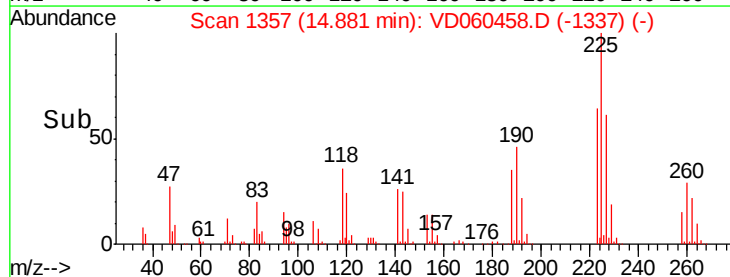


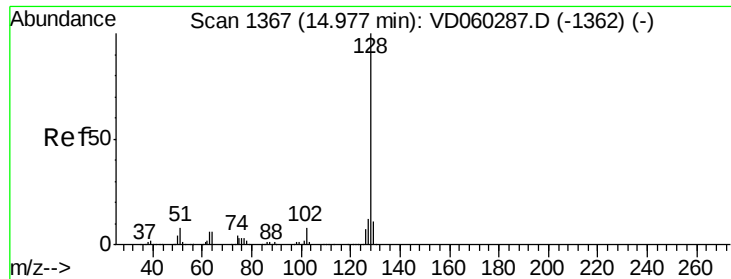
#94
 Hexachlorobutadiene
 Concen: 51.122 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060458.D
 Acq: 29 Nov 2018 10:18

Tgt Ion:225 Resp: 715031
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.6 94.8
 227 61.0 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

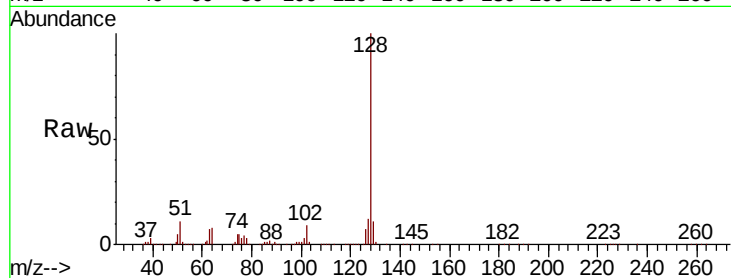




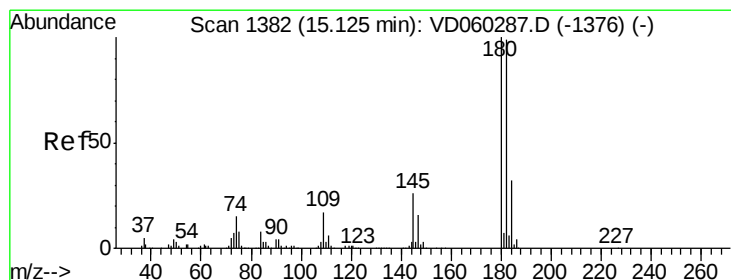
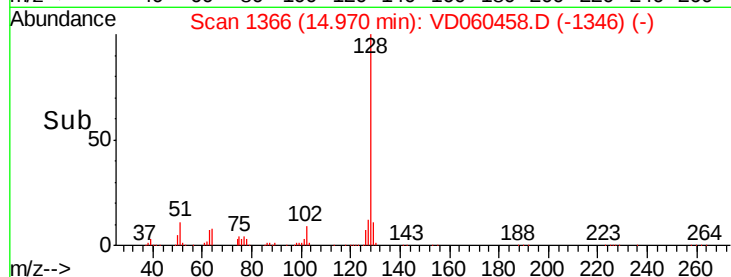
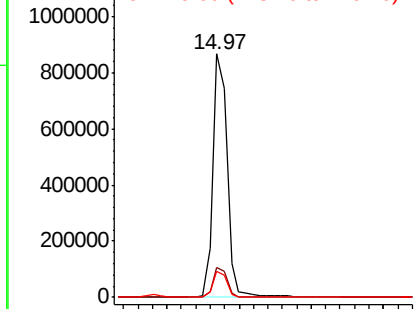
#95
Naphthalene
Concen: 51.652 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1179412
Ion Ratio Lower Upper
128 100
127 12.4 9.6 14.4
129 10.9 8.6 12.8

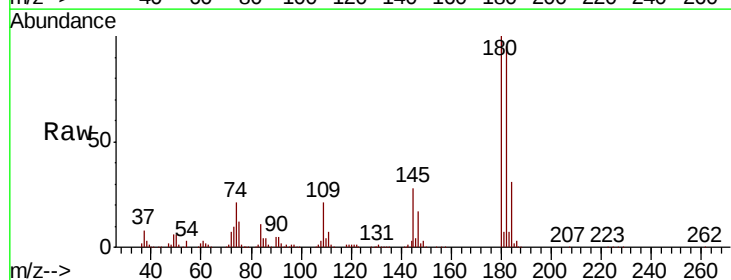


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.168 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060458.D
Acq: 29 Nov 2018 10:18

Tgt Ion:180 Resp: 751744
Ion Ratio Lower Upper
180 100
182 95.1 48.9 146.7
145 28.2 12.9 38.6



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

