

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112018\
 Data File : VD060423.D
 Acq On : 20 Nov 2018 12:29
 Operator : JC/SY
 Sample : VD1120SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Quant Time: Nov 20 14:54:02 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	6.41	168	1372394	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.46	114	1886351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1452815	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	736110	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	472636	48.10	ug/l	0.00
Spiked Amount						
			Recovery	=	96.20%	
35) Dibromofluoromethane	6.33	113	700947	49.83	ug/l	0.00
Spiked Amount						
			Recovery	=	99.66%	
50) Toluene-d8	9.46	98	1969390	47.84	ug/l	0.00
Spiked Amount						
			Recovery	=	95.68%	
62) 4-Bromofluorobenzene	12.43	95	707136	47.40	ug/l	-0.01
Spiked Amount						
			Recovery	=	94.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	240565	19.558	ug/l	98
3) Chloromethane	1.77	50	260897	20.069	ug/l	99
4) Vinyl Chloride	1.87	62	219530	20.678	ug/l	98
5) Bromomethane	2.16	94	39912	15.846	ug/l	91
6) Chloroethane	2.27	64	63334	17.979	ug/l	95
7) Trichlorofluoromethane	2.52	101	262900	21.004	ug/l	98
8) Diethyl Ether	2.84	74	43207	19.066	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.10	101	172777	20.987	ug/l	95
10) Methyl Iodide	3.25	142	185246	17.325	ug/l	96
11) Tert butyl alcohol	3.99	59	42354	104.963	ug/l #	85
12) 1,1-Dichloroethene	3.09	96	134515	20.088	ug/l	94
13) Acrolein	3.00	56	30943	64.898	ug/l	87
14) Allyl chloride	3.55	41	263074	20.532	ug/l	96
15) Acrylonitrile	4.10	53	245239	104.221	ug/l	97
16) Acetone	3.18	43	184197	108.064	ug/l	99
17) Carbon Disulfide	3.32	76	413241	19.119	ug/l	99
18) Methyl Acetate	3.57	43	73165	20.131	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	422093	21.050	ug/l	100
20) Methylene Chloride	3.73	84	334955	22.152	ug/l	94
21) trans-1,2-Dichloroethene	4.11	96	315421	21.214	ug/l	95
22) Diisopropyl ether	4.87	45	1035675	21.636	ug/l	97
23) Vinyl Acetate	4.82	43	2582377	108.417	ug/l	98
24) 1,1-Dichloroethane	4.77	63	537746	21.907	ug/l	99
25) 2-Butanone	5.64	43	373708	105.479	ug/l	99
26) 2,2-Dichloropropane	5.60	77	420953	22.057	ug/l	99
27) cis-1,2-Dichloroethene	5.61	96	337311	21.777	ug/l	97
28) Bromochloromethane	5.93	49	224712	20.747	ug/l	96
29) Tetrahydrofuran	5.97	42	194782	104.276	ug/l	99
30) Chloroform	6.12	83	548500	22.351	ug/l	100
31) Cyclohexane	6.37	56	488478	20.820	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	453641	21.946	ug/l	97
36) 1,1-Dichloropropene	6.53	75	404601	21.710	ug/l	98
37) Ethyl Acetate	5.70	43	188484	21.979	ug/l	97
38) Carbon Tetrachloride	6.51	117	382995	22.154	ug/l	98

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 Sample : VD1120SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1120SBS01

Quant Time: Nov 20 14:54:02 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)
39) Methylcyclohexane	8.05	83	455351	21.244	ug/l	98
40) Benzene	6.81	78	1046436	21.997	ug/l	99
41) Methacrylonitrile	5.96	41	209899	21.385	ug/l #	94
42) 1,2-Dichloroethane	6.91	62	273162	21.938	ug/l	96
43) Isopropyl Acetate	8.36	43	221455	20.558	ug/l #	100
44) Trichloroethene	7.75	130	317869	22.043	ug/l	99
45) 1,2-Dichloropropane	8.11	63	266058	22.176	ug/l	94
46) Dibromomethane	8.22	93	152572	21.713	ug/l	99
47) Bromodichloromethane	8.50	83	355258	21.455	ug/l	99
48) Methyl methacrylate	8.25	41	136164	20.810	ug/l	94
49) 1,4-Dioxane	8.23	88	25066	442.753	ug/l	92
51) 4-Methyl-2-Pentanone	9.35	43	724778	103.375	ug/l	98
52) Toluene	9.55	92	668670	22.005	ug/l	98
53) t-1,3-Dichloropropene	9.93	75	292561	20.911	ug/l	97
54) cis-1,3-Dichloropropene	9.11	75	381871	21.281	ug/l	97
55) 1,1,2-Trichloroethane	10.19	97	180459	20.489	ug/l	97
56) Ethyl methacrylate	10.03	69	171172	21.137	ug/l	98
57) 1,3-Dichloropropane	10.39	76	279939	20.859	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	520620	106.325	ug/l	98
59) 2-Hexanone	10.50	43	545108	109.084	ug/l	99
60) Dibromochloromethane	10.64	129	233242	21.785	ug/l	98
61) 1,2-Dibromoethane	10.76	107	189773	21.505	ug/l	97
64) Tetrachloroethene	10.26	164	286128	22.061	ug/l	97
65) Chlorobenzene	11.31	112	721107	22.908	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	243136	23.607	ug/l	96
67) Ethyl Benzene	11.43	91	1261319	23.423	ug/l	100
68) m/p-Xylenes	11.57	106	946901	47.670	ug/l	98
69) o-Xylene	11.93	106	438007	22.825	ug/l	99
70) Styrene	11.96	104	707997	22.829	ug/l	99
71) Bromoform	12.12	173	150669	21.770	ug/l	98
73) Isopropylbenzene	12.28	105	1209517	22.553	ug/l	99
74) N-amyl acetate	12.14	43	285450	20.760	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	184755	21.064	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	187993	21.349	ug/l	100
77) Bromobenzene	12.54	156	309928	21.756	ug/l	100
78) n-propylbenzene	12.64	91	1548284	23.129	ug/l	100
79) 2-Chlorotoluene	12.71	91	837872	22.853	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	955890	22.934	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	53714	21.426	ug/l	97
82) 4-Chlorotoluene	12.81	91	948007	23.018	ug/l	100
83) tert-Butylbenzene	13.05	119	1059823	22.904	ug/l	89
84) 1,2,4-Trimethylbenzene	13.10	105	966878	23.228	ug/l	99
85) sec-Butylbenzene	13.22	105	1307620	23.033	ug/l	99
86) p-Isopropyltoluene	13.34	119	1057485	23.130	ug/l	95
87) 1,3-Dichlorobenzene	13.31	146	593844	23.430	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	561101	22.668	ug/l	94
89) n-Butylbenzene	13.65	91	1081377	21.697	ug/l	96
90) Hexachloroethane	13.86	117	251528	23.202	ug/l	95
91) 1,2-Dichlorobenzene	13.67	146	472565	22.700	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	22251	21.016	ug/l	55

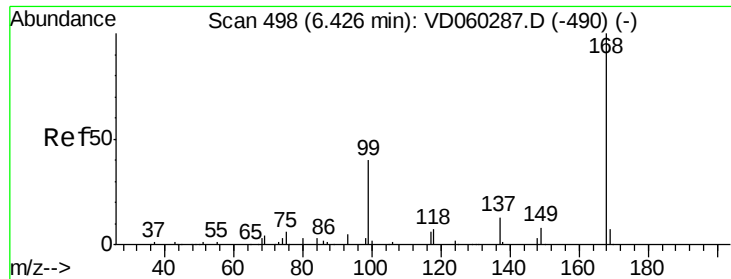
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112018\
Data File : VD060423.D
Acq On : 20 Nov 2018 12:29
Operator : JC/SY
Sample : VD1120SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBSD01

Quant Time: Nov 20 14:54:02 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.79	180	372709	22.580	ug/l	97
94) Hexachlorobutadiene	14.89	225	274524	22.236	ug/l	98
95) Naphthalene	14.97	128	439830	21.823	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	296580	22.423	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

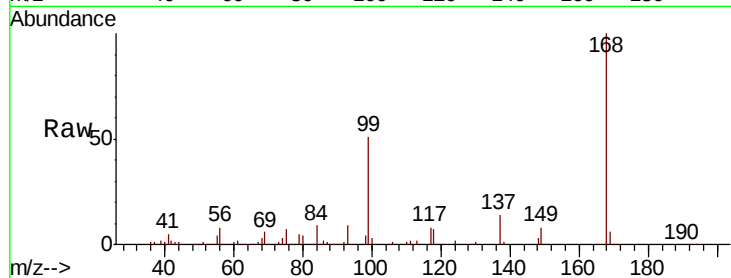
VD1120SBSD01

Tot Ion:168 Resp: 1372394

Ion Ratio Lower Upper

168 100

99 50.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

300000

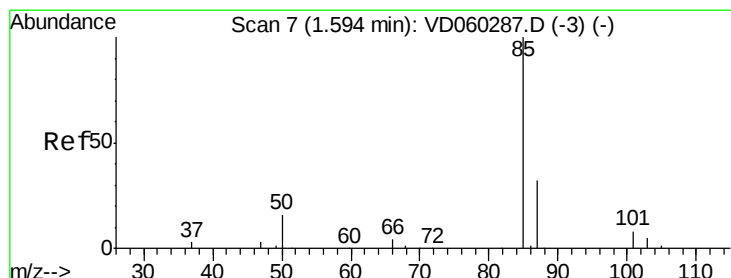
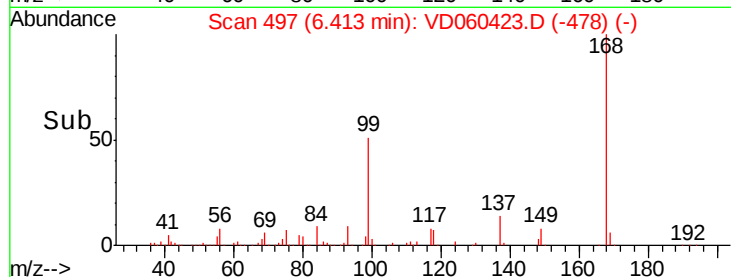
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 19.558 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060423.D

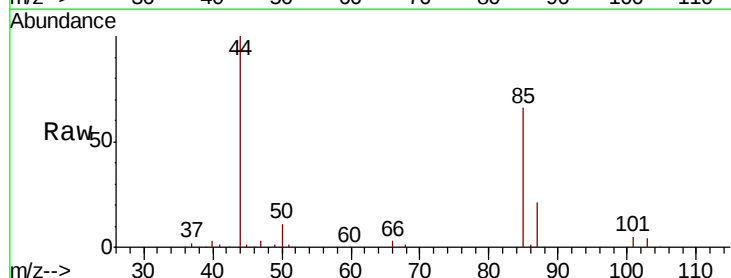
Acq: 20 Nov 2018 12:29

Tgt Ion: 85 Resp: 240565

Ion Ratio Lower Upper

85 100

87 32.5 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

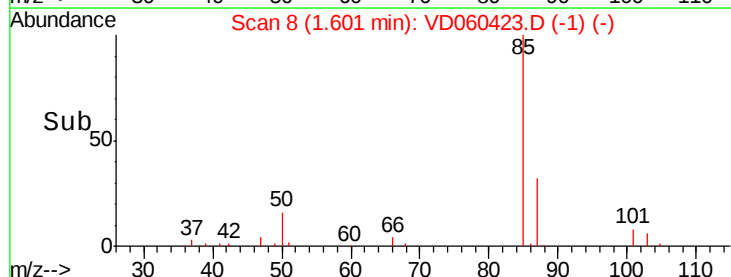
100000

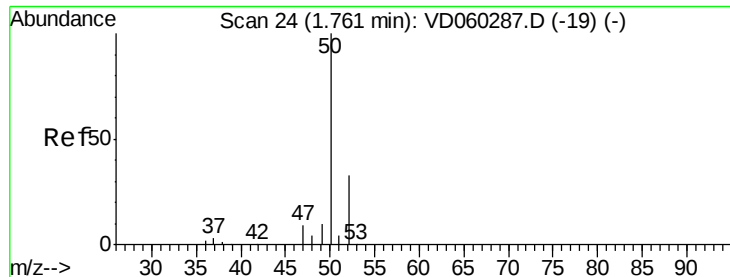
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 20.069 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

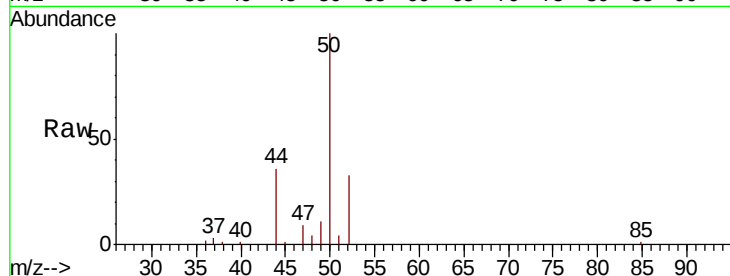
VD1120SBSD01

Tot Ion: 50 Resp: 260897

Ion Ratio Lower Upper

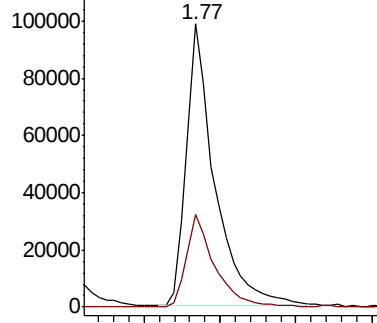
50 100

52 32.8 25.8 38.6

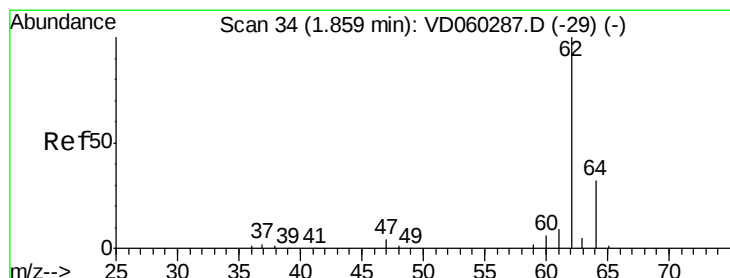
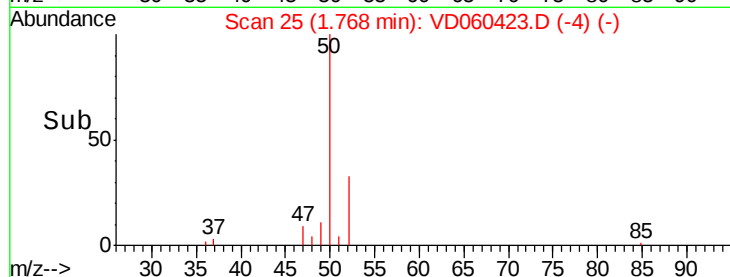


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 20.678 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060423.D

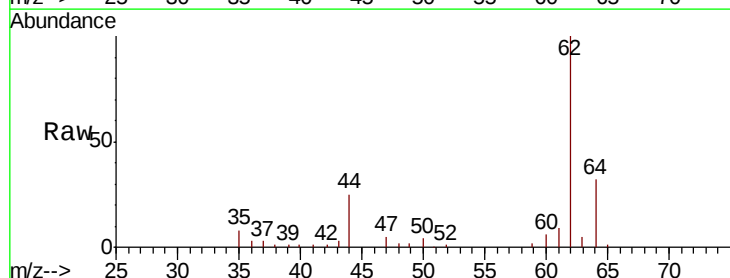
Acq: 20 Nov 2018 12:29

Tgt Ion: 62 Resp: 219530

Ion Ratio Lower Upper

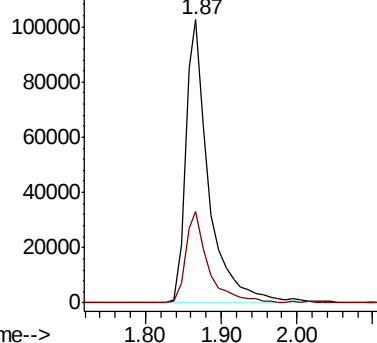
62 100

64 32.4 24.9 37.3

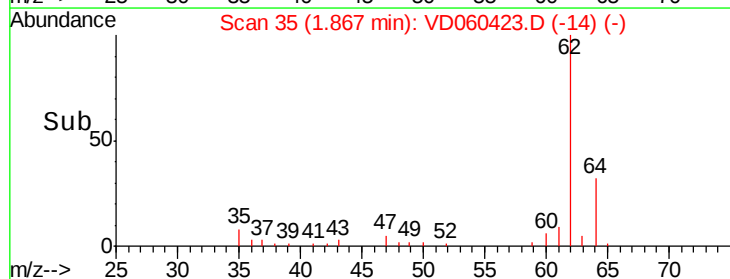


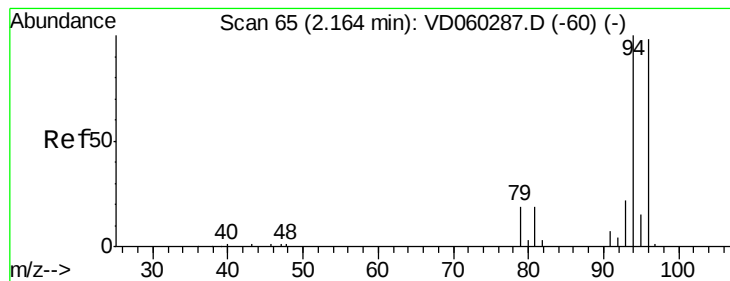
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time-->





#5

Bromomethane

Concen: 15.846 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

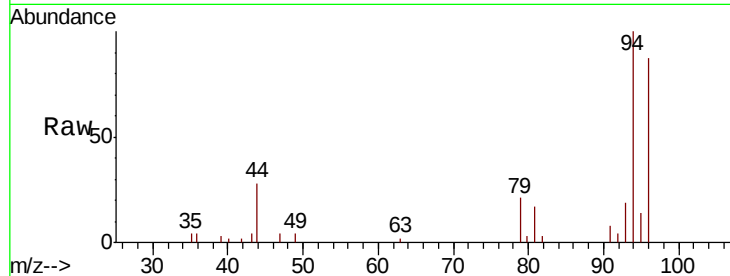
VD1120SBS01

Tot Ion: 94 Resp: 39912

Ion Ratio Lower Upper

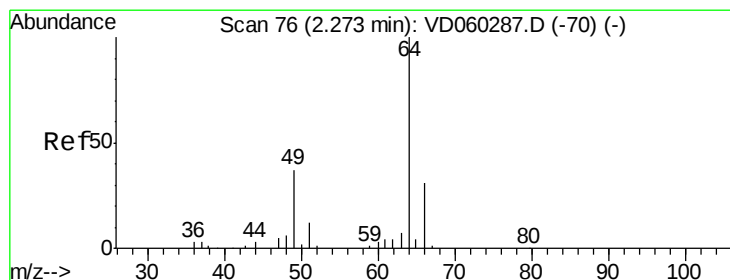
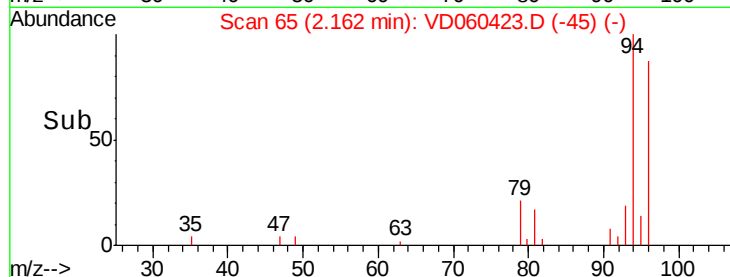
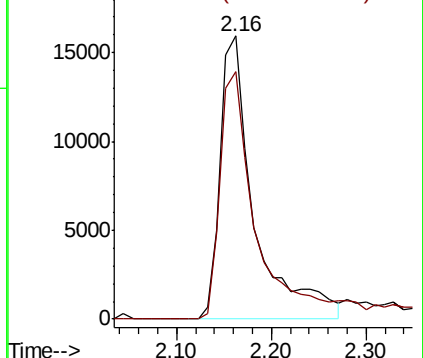
94 100

96 87.3 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.979 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060423.D

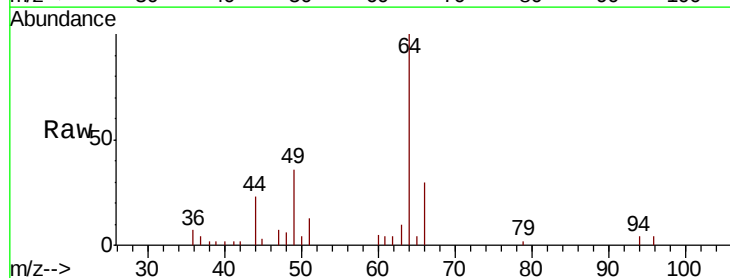
Acq: 20 Nov 2018 12:29

Tgt Ion: 64 Resp: 63334

Ion Ratio Lower Upper

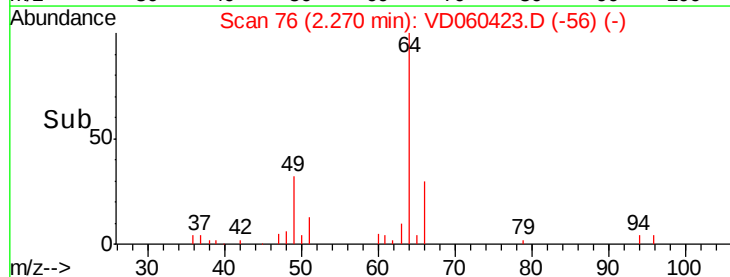
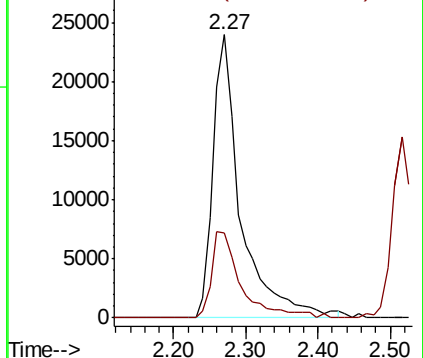
64 100

66 30.2 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



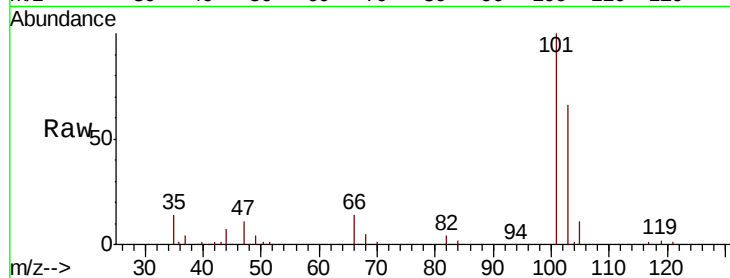


#7

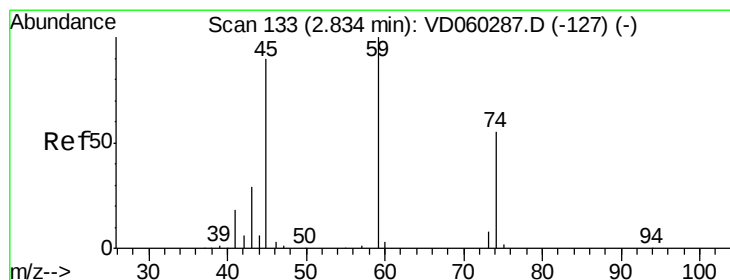
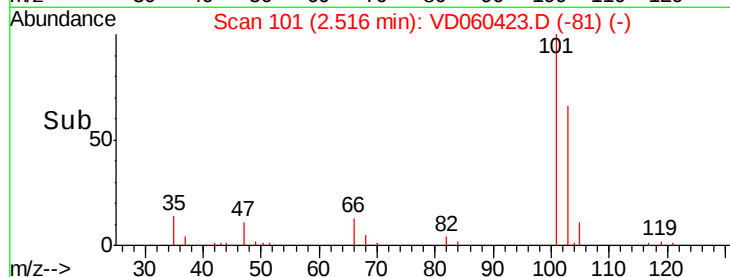
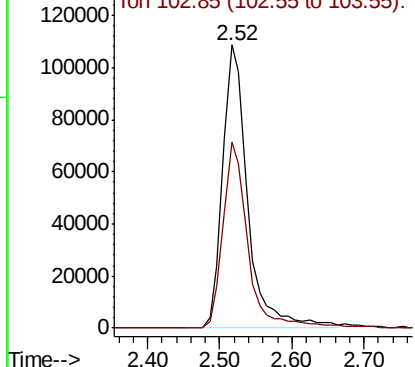
Trichlorofluoromethane
 Concen: 21.004 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VD060423.D
 Acq: 20 Nov 2018 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBSD01

Tot Ion:101 Resp: 262900
 Ion Ratio Lower Upper
 101 100
 103 65.6 53.6 80.4



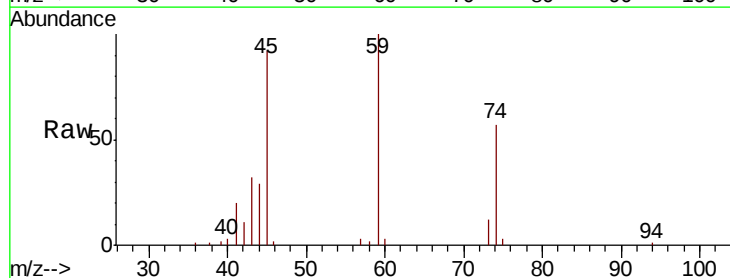
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



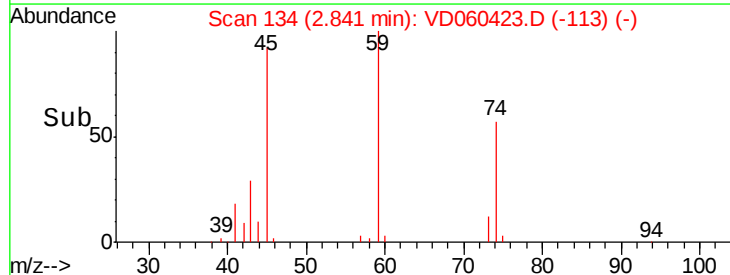
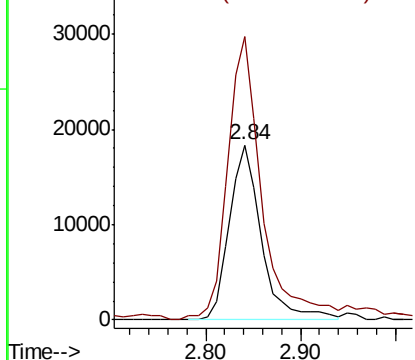
#8

Diethyl Ether
 Concen: 19.066 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060423.D
 Acq: 20 Nov 2018 12:29

Tgt Ion: 74 Resp: 43207
 Ion Ratio Lower Upper
 74 100
 45 161.7 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: 20.987 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBSD01

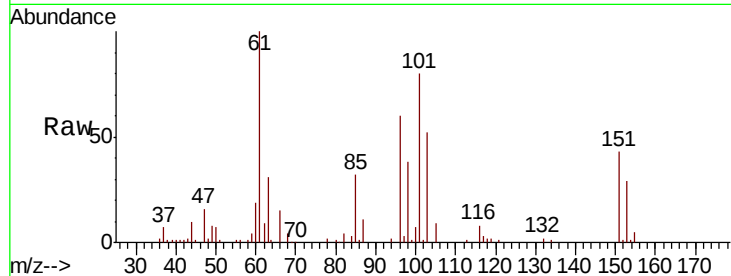
Tot Ion:101 Resp: 172777

Ion Ratio Lower Upper

101 100

85 39.9 31.4 47.0

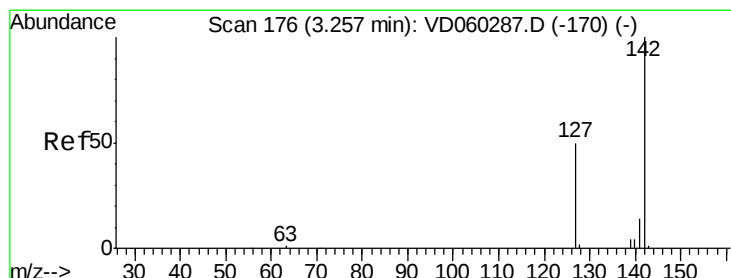
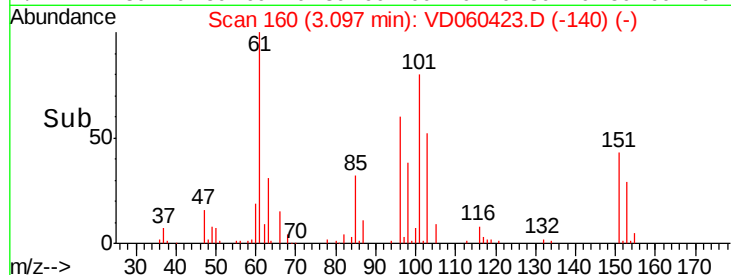
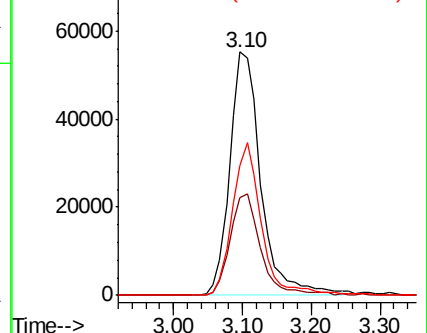
151 53.3 47.4 71.0



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: 17.325 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

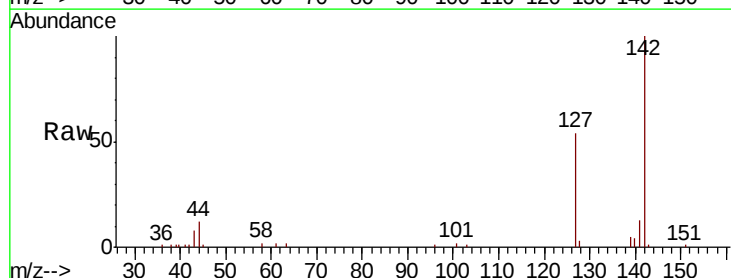
Tgt Ion:142 Resp: 185246

Ion Ratio Lower Upper

142 100

127 53.6 41.0 61.6

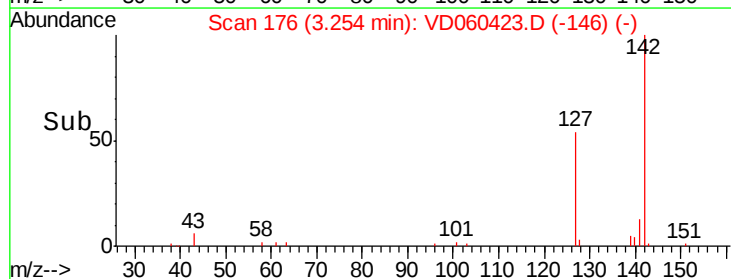
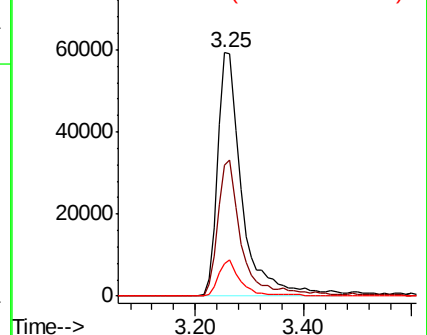
141 13.1 11.9 17.9

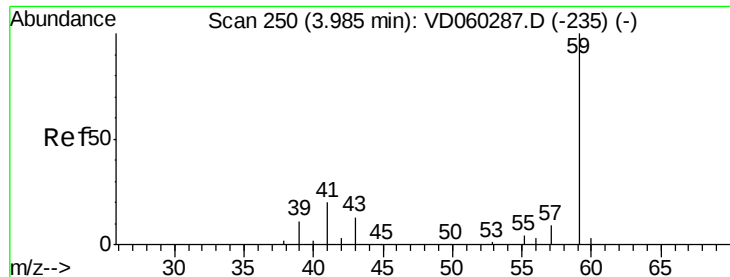


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

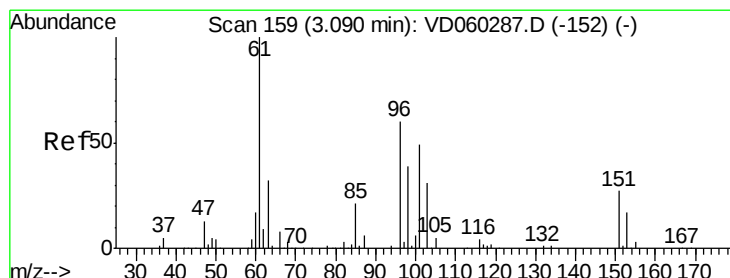
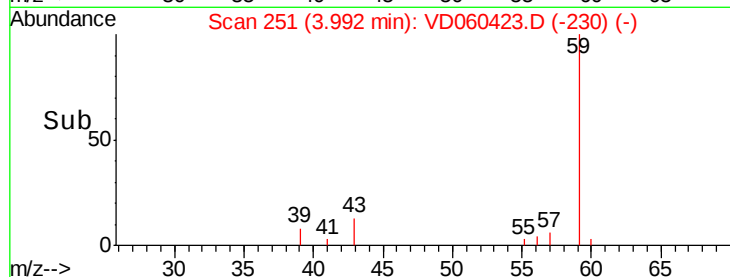
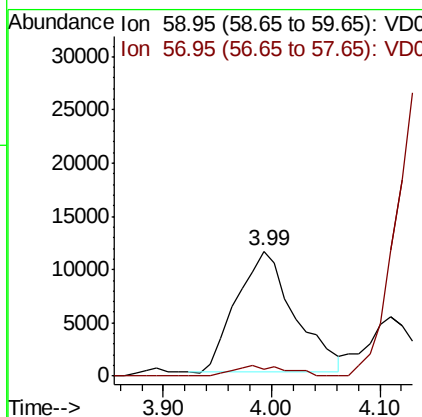
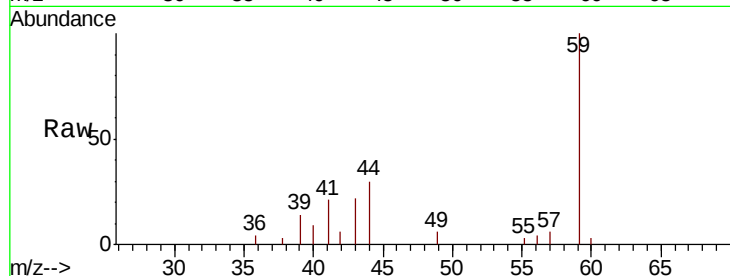




#11
Tert butyl alcohol
Concen: 104.963 ug/l
RT: 3.99 min Scan# 251
Delta R.T. 0.01 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

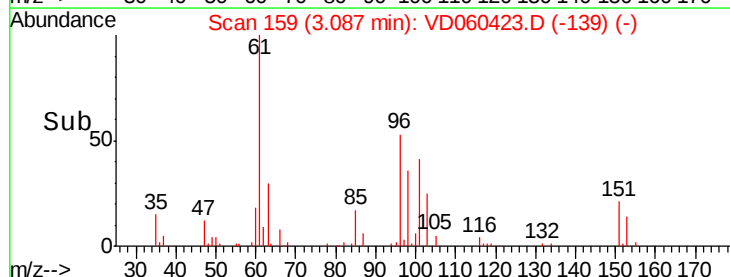
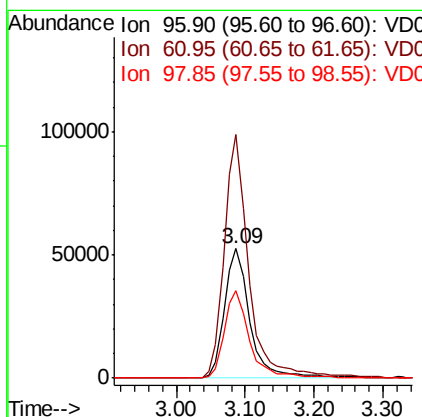
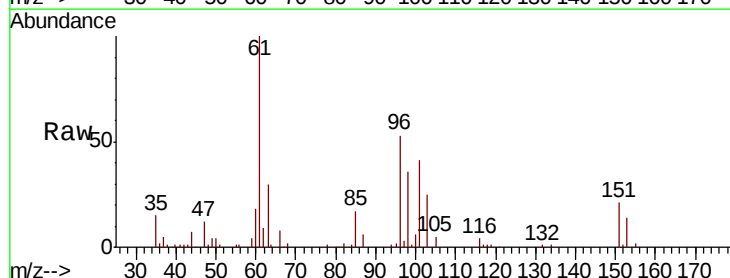
Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

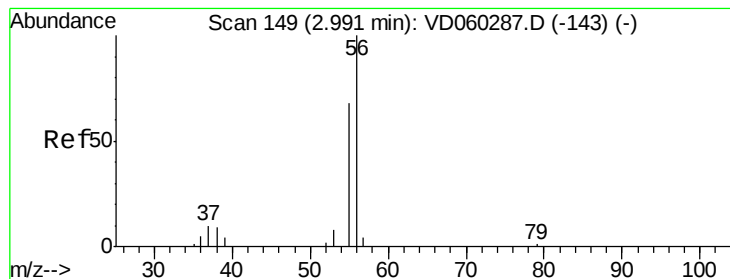
Tot Ion: 59 Resp: 42354
Ion Ratio Lower Upper
59 100
57 5.7 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 20.088 ug/l
RT: 3.09 min Scan# 159
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion: 96 Resp: 134515
Ion Ratio Lower Upper
96 100
61 187.9 142.2 213.4
98 67.0 52.6 79.0





#13

Acrolein

Concen: 64.898 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

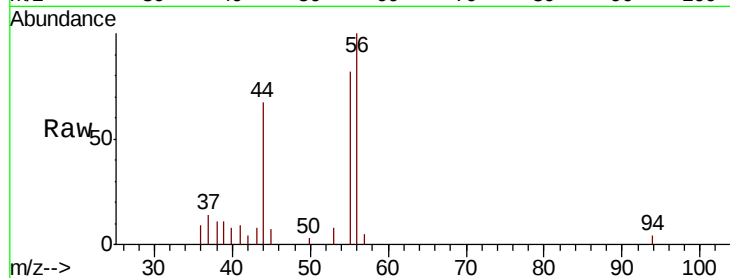
VD1120SBSD01

Tot Ion: 56 Resp: 30943

Ion Ratio Lower Upper

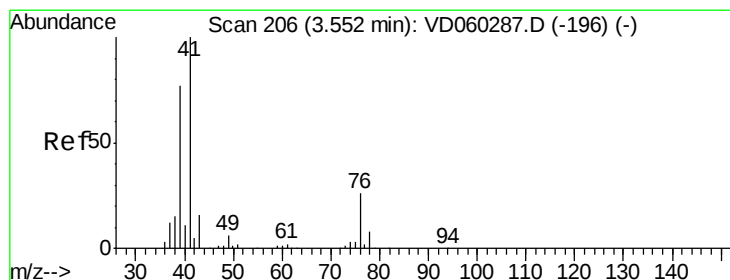
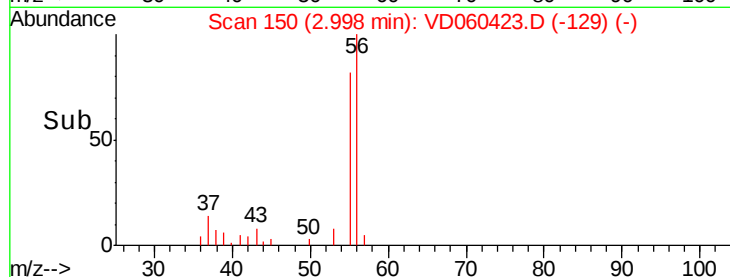
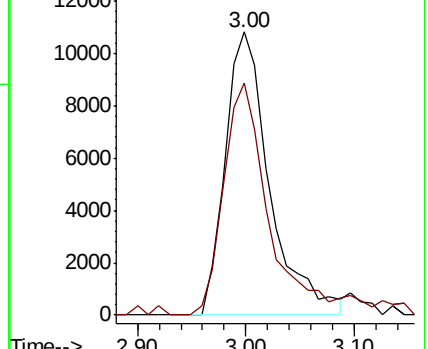
56 100

55 82.2 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.532 ug/l

RT: 3.55 min Scan# 206

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

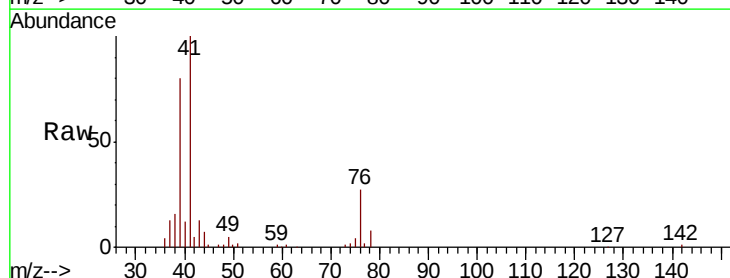
Tgt Ion: 41 Resp: 263074

Ion Ratio Lower Upper

41 100

39 79.7 60.4 90.6

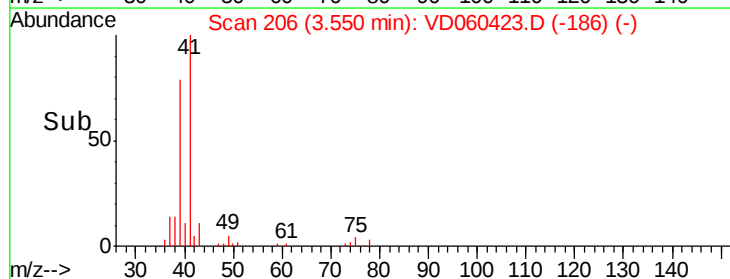
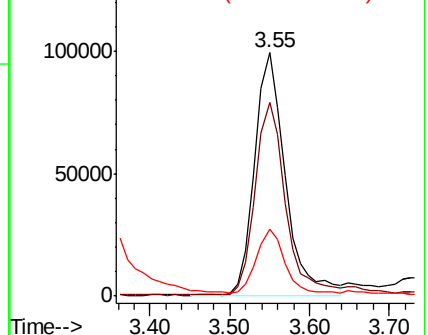
76 27.3 21.8 32.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 104.221 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

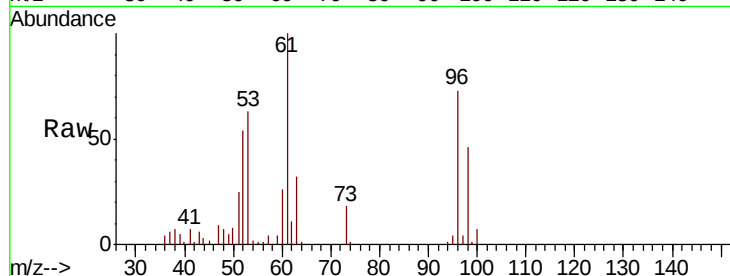
Tot Ion: 53 Resp: 245239

Ion Ratio Lower Upper

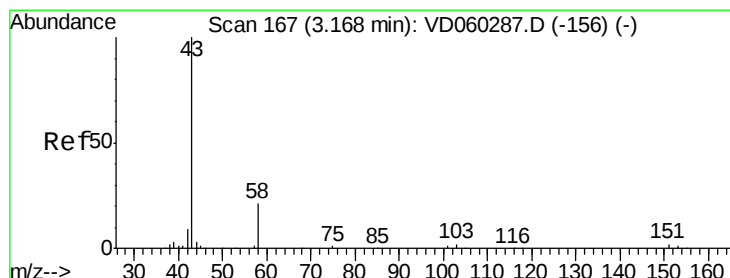
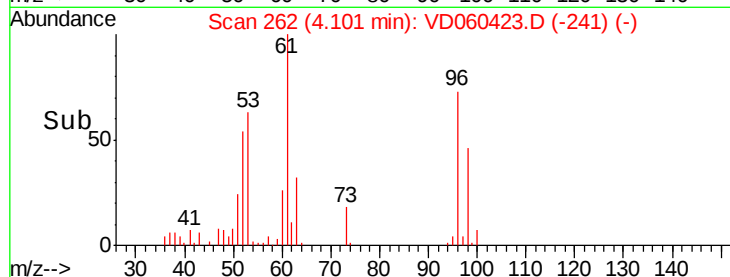
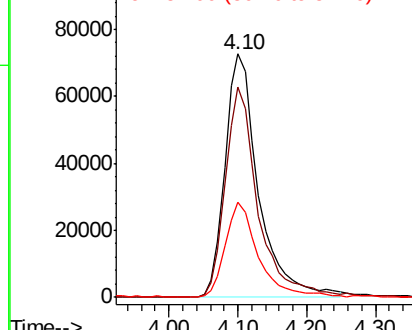
53 100

52 86.2 67.0 100.4

51 39.3 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: 108.064 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060423.D

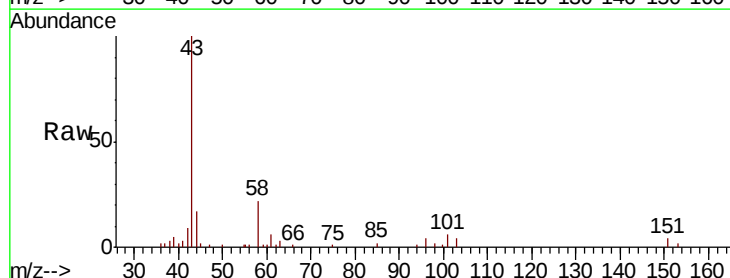
Acq: 20 Nov 2018 12:29

Tgt Ion: 43 Resp: 184197

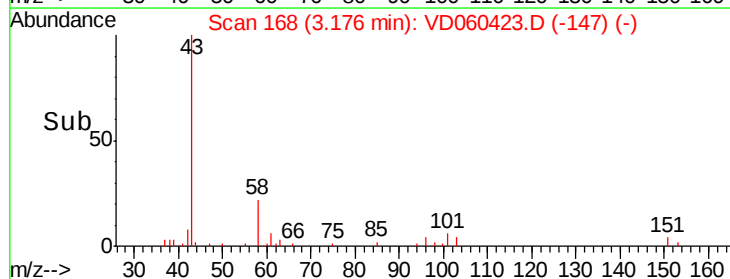
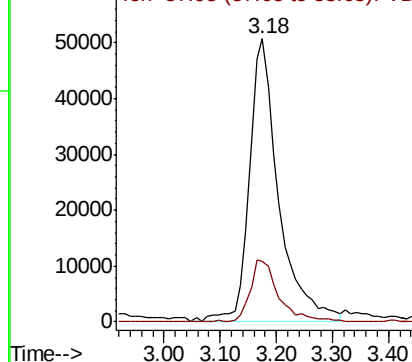
Ion Ratio Lower Upper

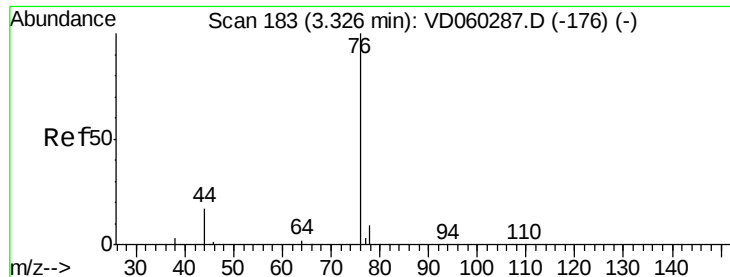
43 100

58 21.6 16.9 25.3



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

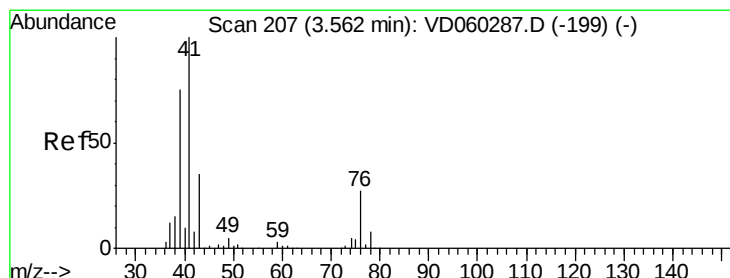
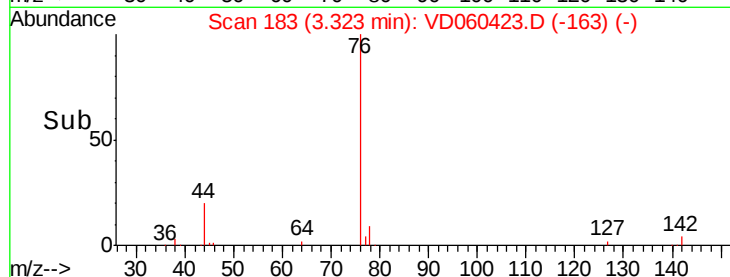
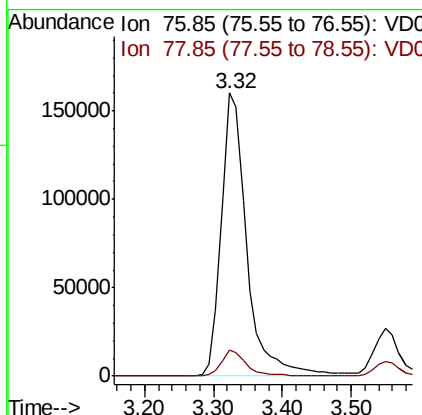
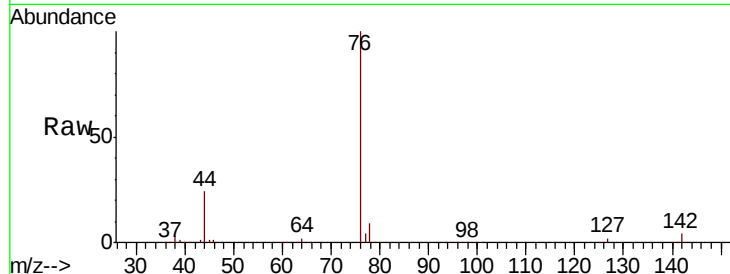




#17
Carbon Disulfide
Concen: 19.119 ug/l
RT: 3.32 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

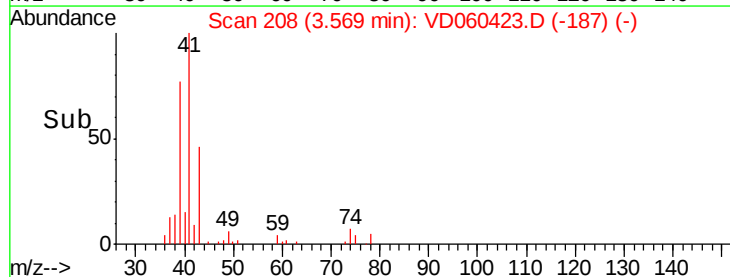
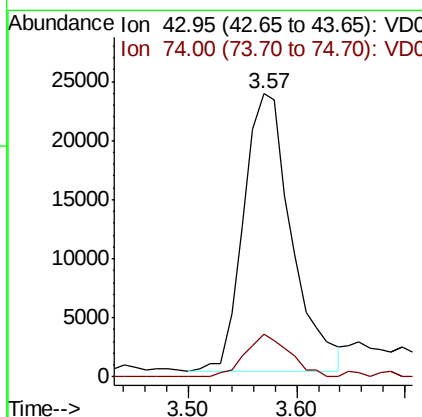
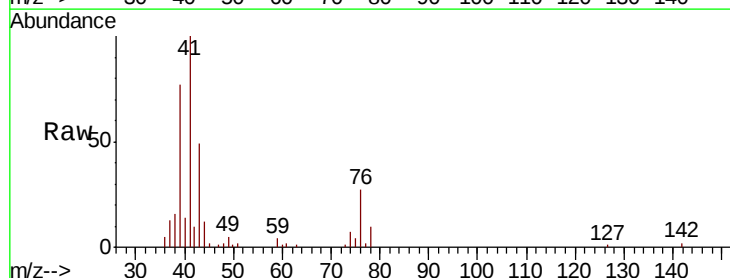
Instrument :
MSVOA_D
ClientSampleId :
VD1120SBSD01

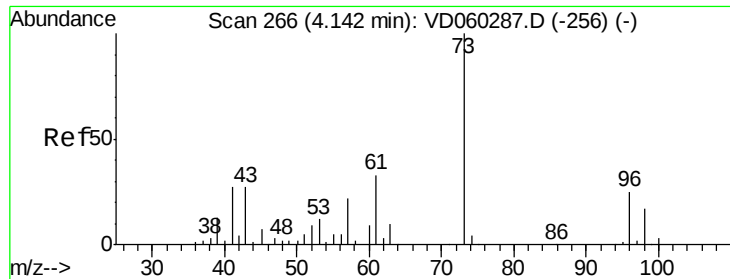
Tot Ion: 76 Resp: 413241
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#18
Methyl Acetate
Concen: 20.131 ug/l
RT: 3.57 min Scan# 208
Delta R.T. 0.01 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion: 43 Resp: 73165
Ion Ratio Lower Upper
43 100
74 15.1 12.4 18.6

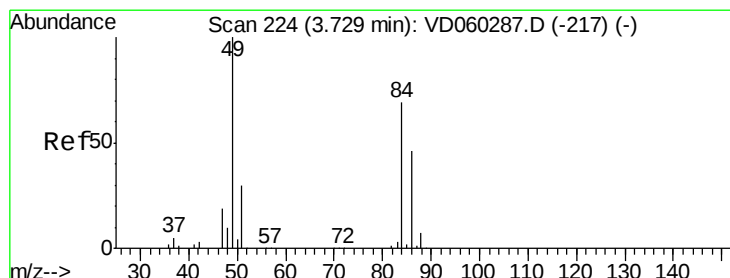
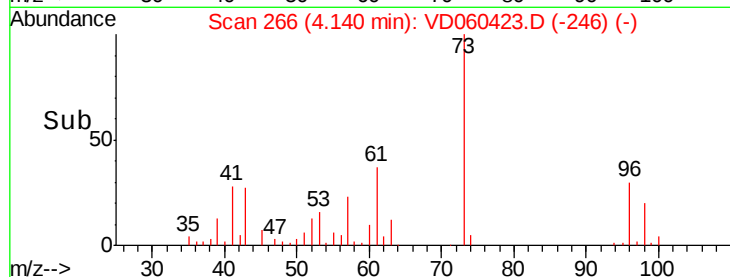
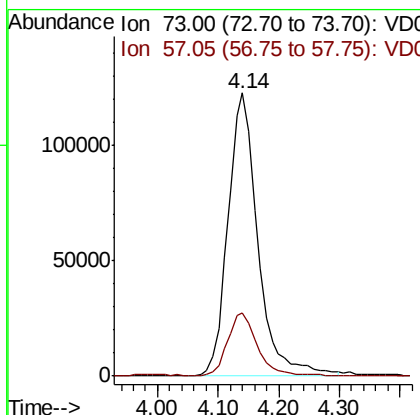
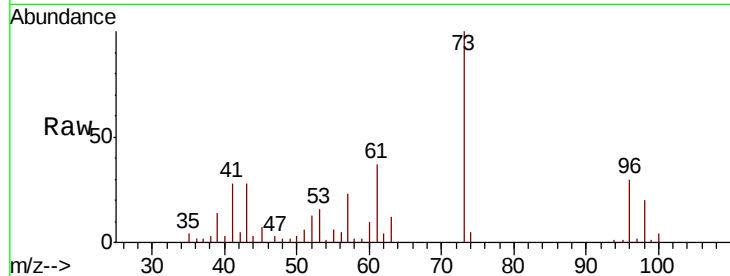




#19
Methvl tert-butvl Ether
Concen: 21.050 ug/l
RT: 4.14 min Scan# 266
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

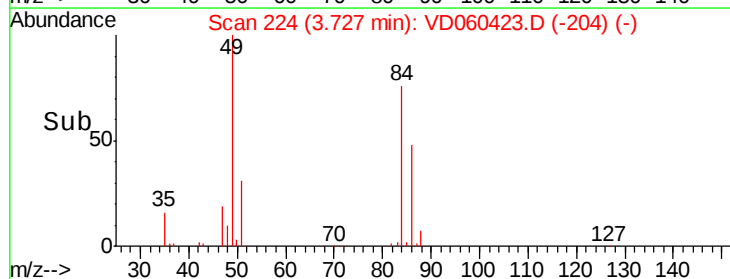
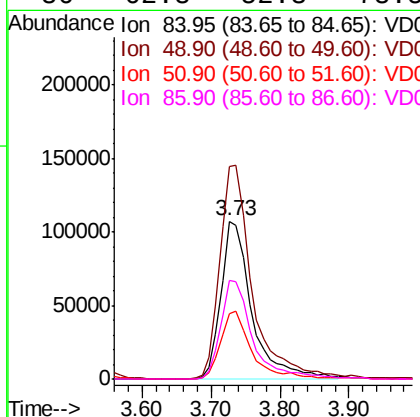
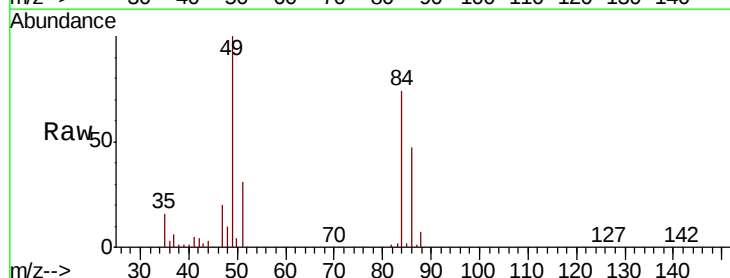
Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

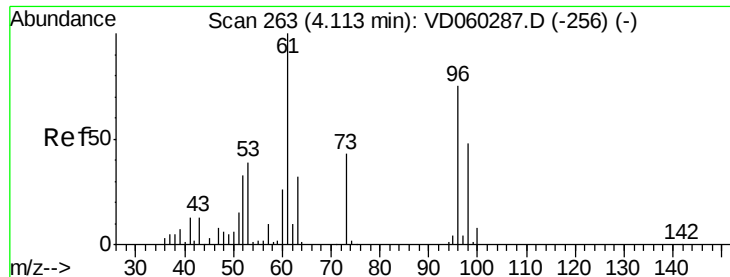
Tot Ion: 73 Resp: 422093
Ion Ratio Lower Upper
73 100
57 22.5 18.1 27.1



#20
Methylene Chloride
Concen: 22.152 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion: 84 Resp: 334955
Ion Ratio Lower Upper
84 100
49 134.7 115.6 173.4
51 41.6 35.6 53.4
86 62.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.214 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBSD01

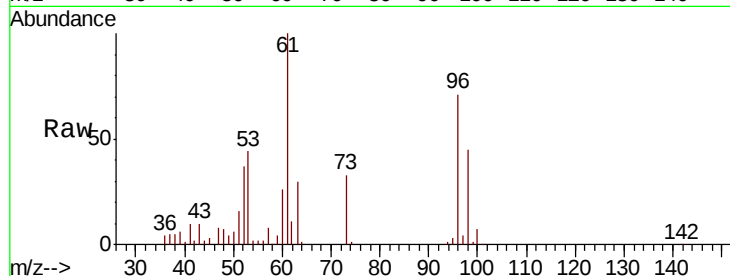
Tot Ion: 96 Resp: 315421

Ion Ratio Lower Upper

96 100

61 141.1 105.8 158.6

98 63.7 50.8 76.2

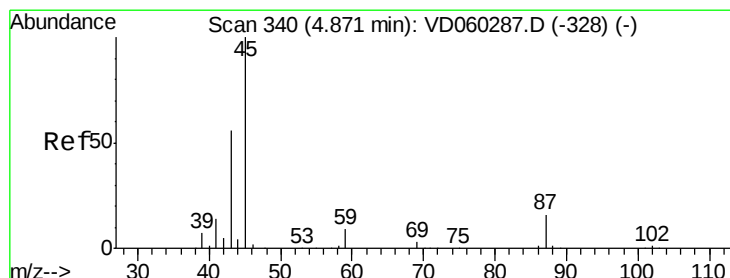
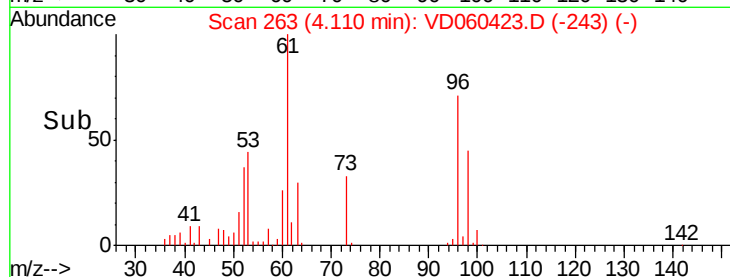
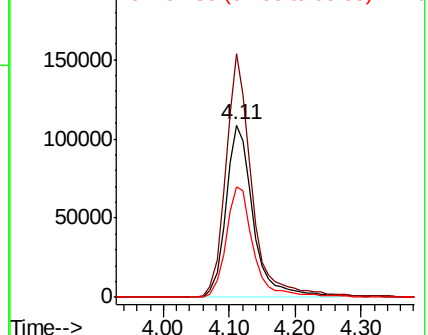


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.636 ug/l

RT: 4.87 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Tgt Ion: 45 Resp: 1035675

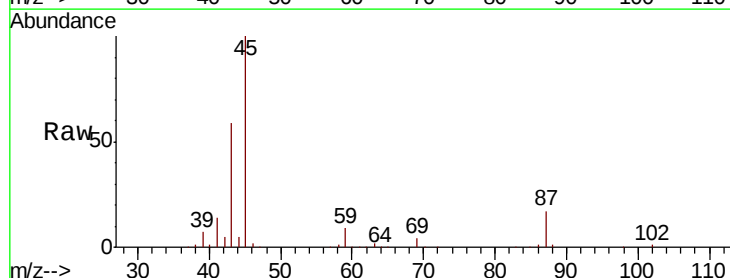
Ion Ratio Lower Upper

45 100

43 58.5 44.9 67.3

87 16.8 13.9 20.9

59 9.2 7.0 10.6



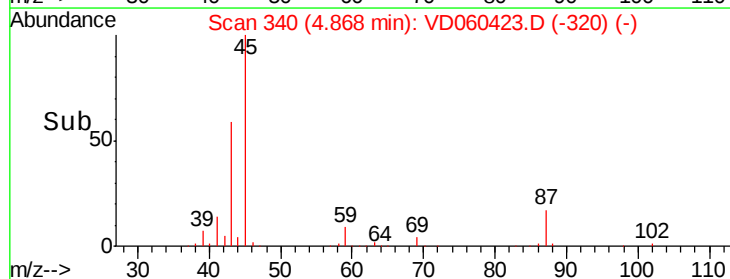
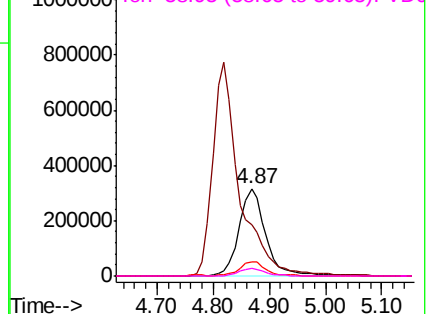
Abundance

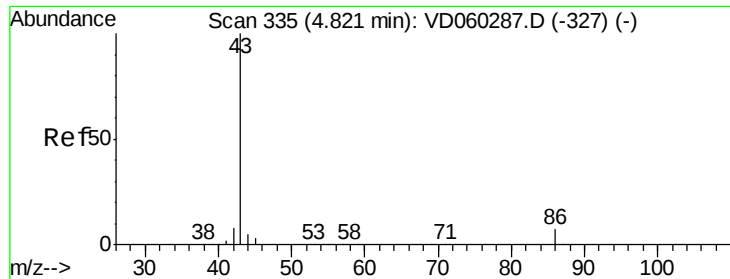
Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 108.417 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

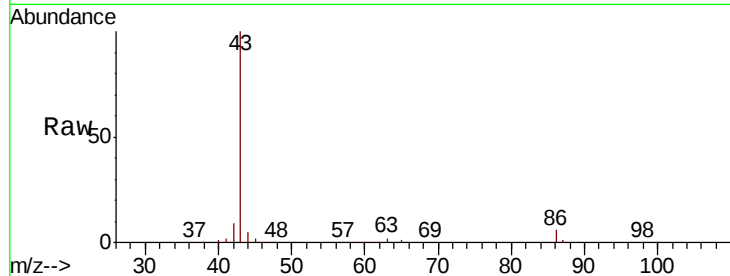
VD1120SBS01

Tot Ion: 43 Resp: 2582377

Ion Ratio Lower Upper

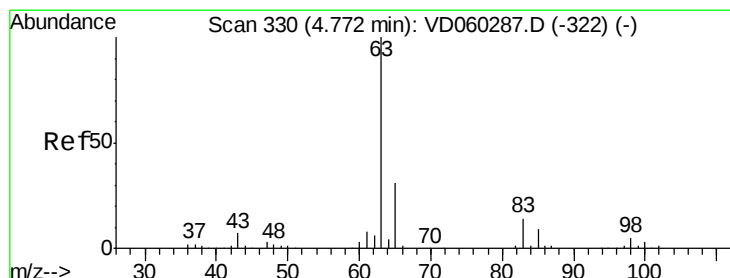
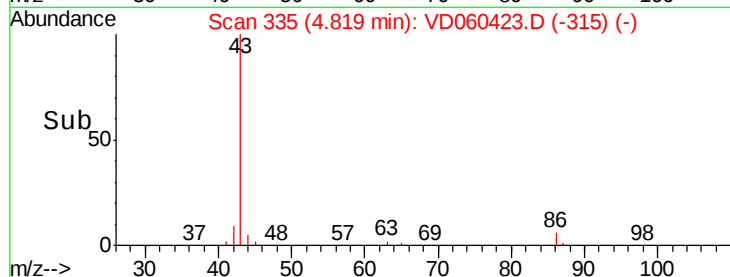
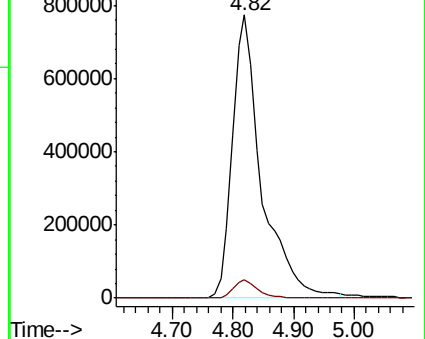
43 100

86 6.3 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.907 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

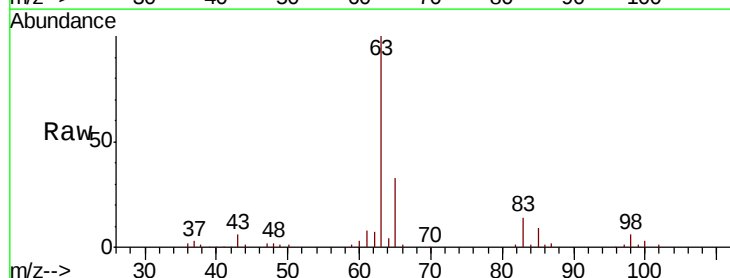
Tgt Ion: 63 Resp: 537746

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

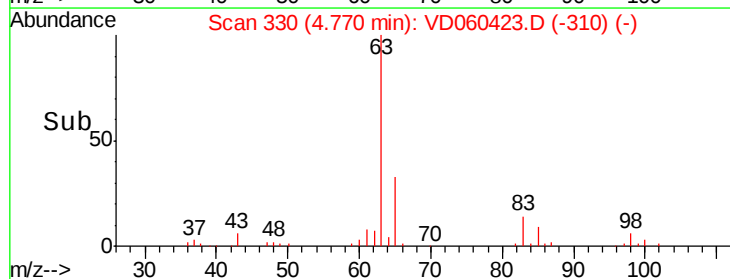
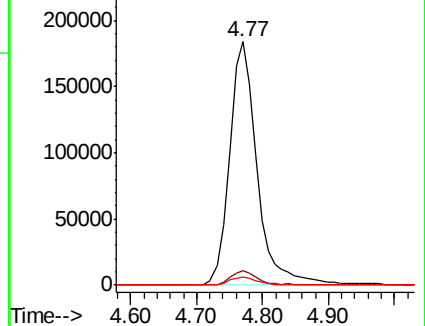
100 3.5 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 105.479 ug/l

RT: 5.64 min Scan# 418

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

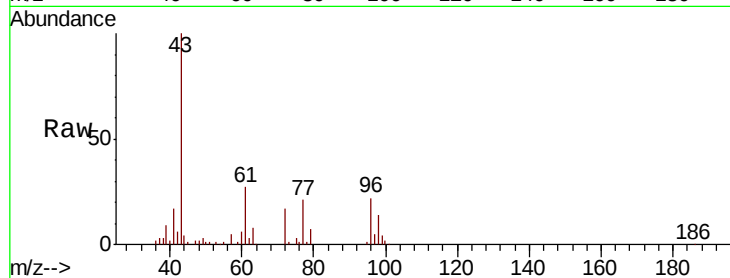
VD1120SBS01

Tot Ion: 43 Resp: 373708

Ion Ratio Lower Upper

43 100

72 17.1 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

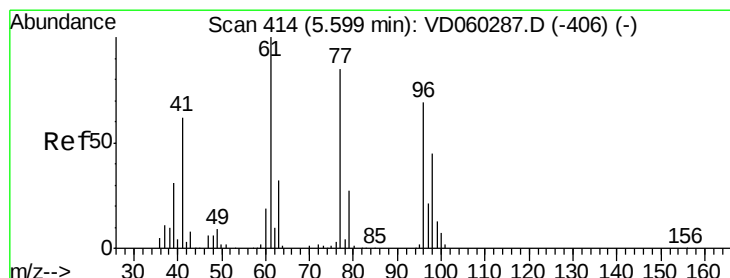
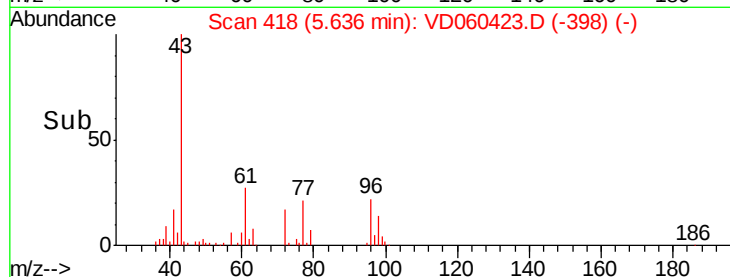
100000

50000

0

5.50 5.55 5.60 5.65 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 22.057 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.00 min

Lab File: VD060423.D

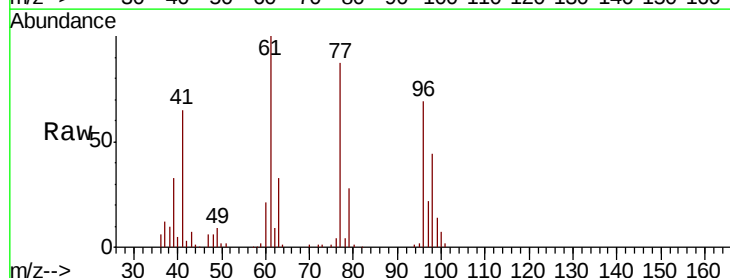
Acq: 20 Nov 2018 12:29

Tgt Ion: 77 Resp: 420953

Ion Ratio Lower Upper

77 100

97 25.7 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

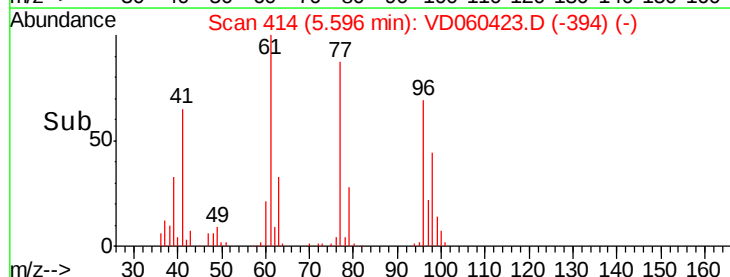
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



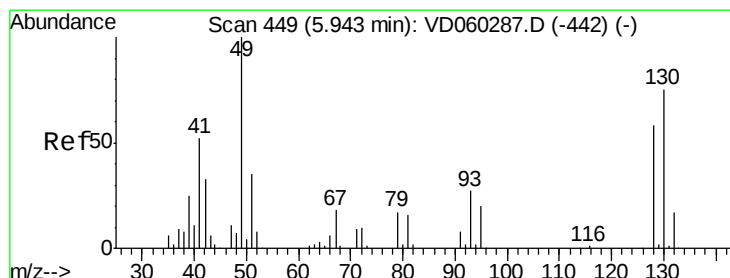
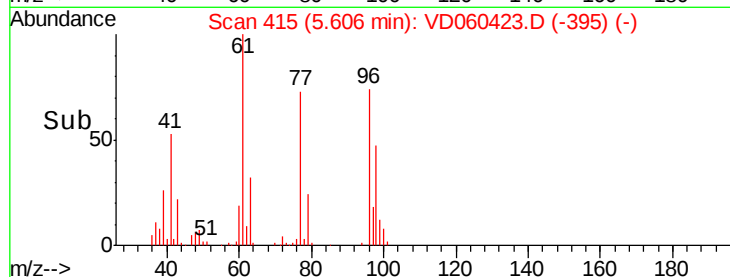
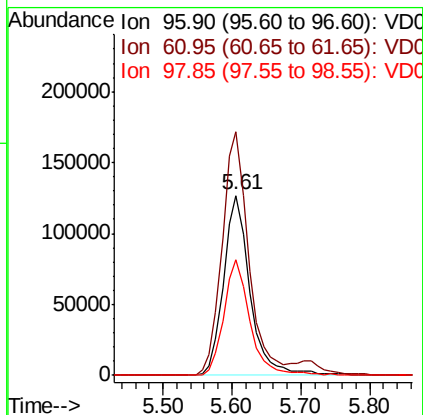
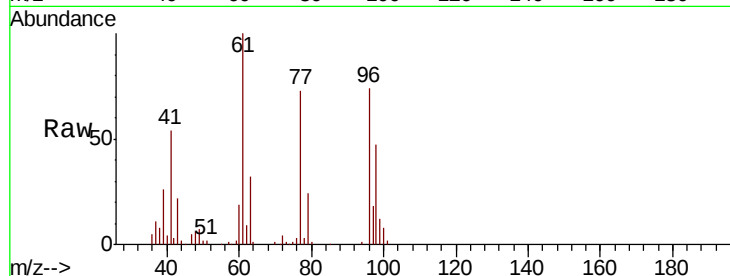


#27

cis-1,2-Dichloroethene
 Concen: 21.777 ug/l
 RT: 5.61 min Scan# 415
 Delta R.T. -0.00 min
 Lab File: VD060423.D
 Acq: 20 Nov 2018 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBSD01

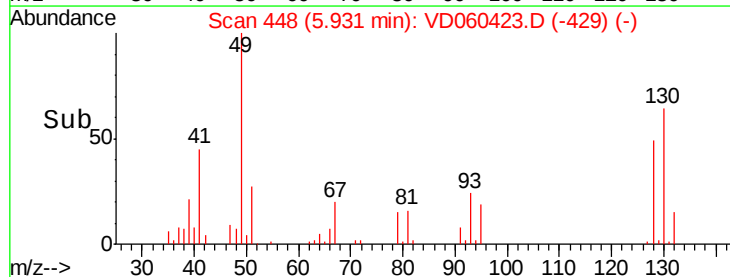
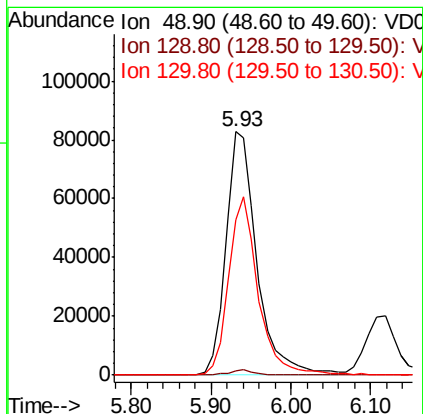
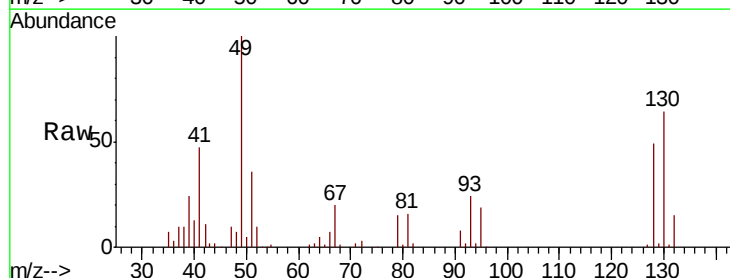
Tot Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	259.0
98	64.0	0.0	128.8



#28

Bromochloromethane
 Concen: 20.747 ug/l
 RT: 5.93 min Scan# 448
 Delta R.T. -0.01 min
 Lab File: VD060423.D
 Acq: 20 Nov 2018 12:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.8
130	63.9	53.6	80.4

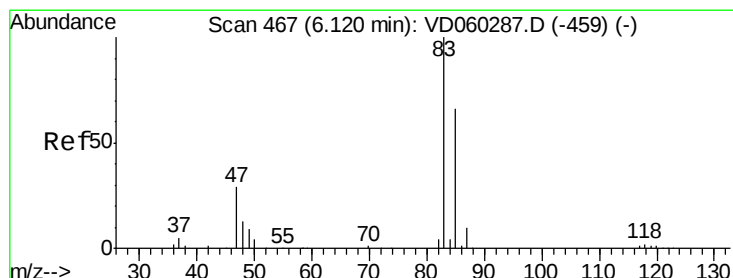
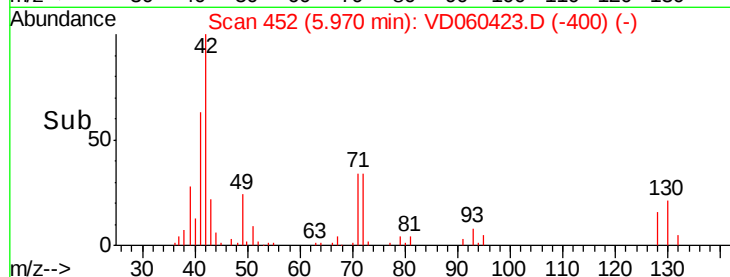
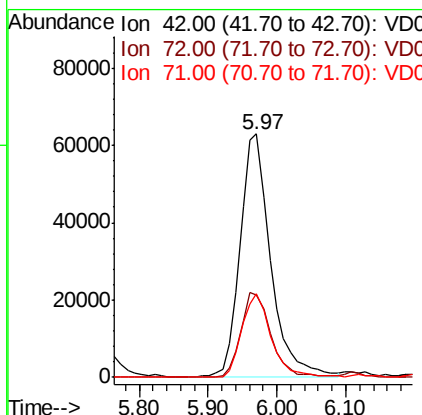
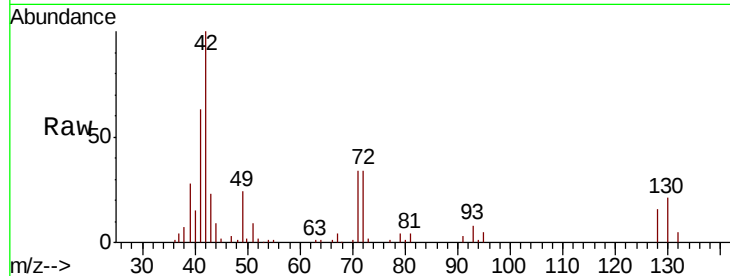




#29
Tetrahydrofuran
Concen: 104.276 ug/l
RT: 5.97 min Scan# 452
Delta R.T. 0.01 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

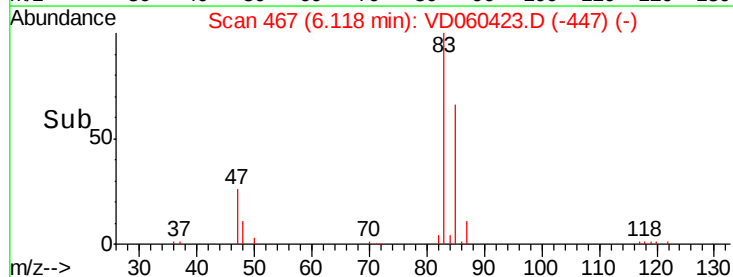
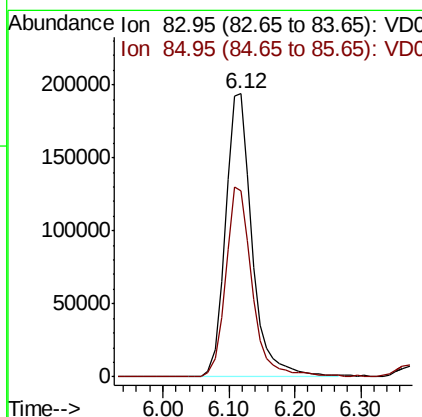
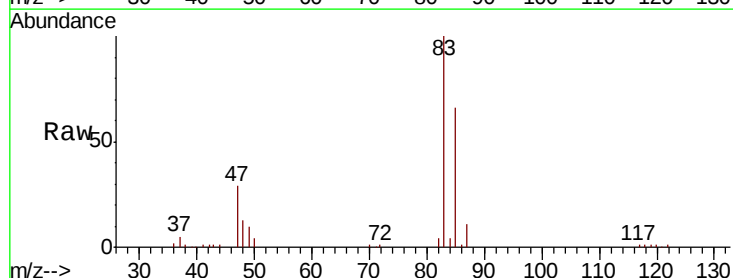
Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

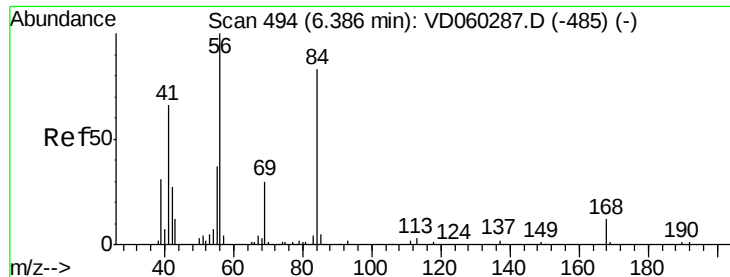
Tot Ion: 42 Resp: 194782
Ion Ratio Lower Upper
42 100
72 34.3 27.6 41.4
71 32.7 26.5 39.7



#30
Chloroform
Concen: 22.351 ug/l
RT: 6.12 min Scan# 467
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion: 83 Resp: 548500
Ion Ratio Lower Upper
83 100
85 65.8 52.5 78.7





#31

Cvclohexane

Concen: 20.820 ug/l

RT: 6.37 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

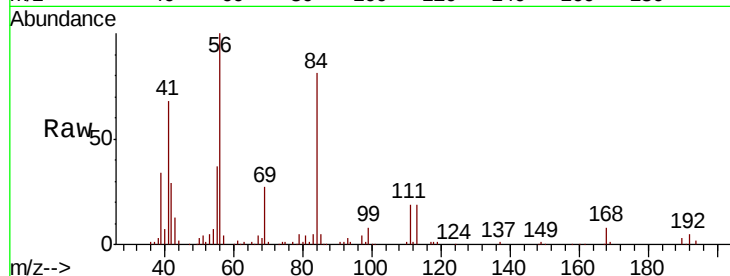
Tot Ion: 56 Resp: 488478

Ion Ratio Lower Upper

56 100

69 27.4 22.2 33.2

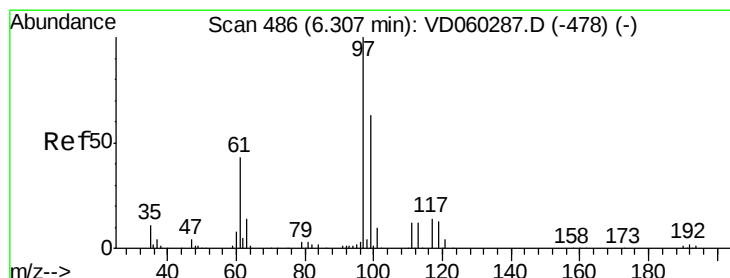
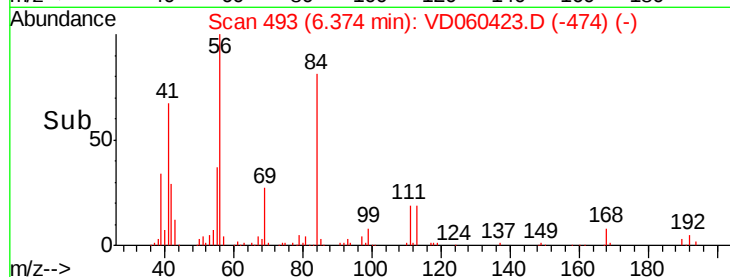
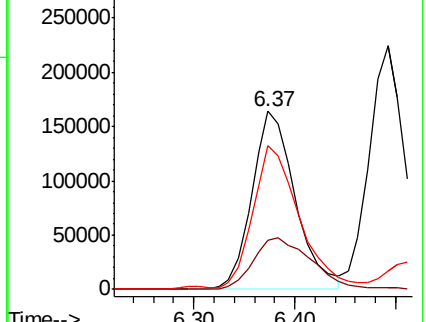
84 80.9 63.0 94.4



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: 21.946 ug/l

RT: 6.30 min Scan# 486

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

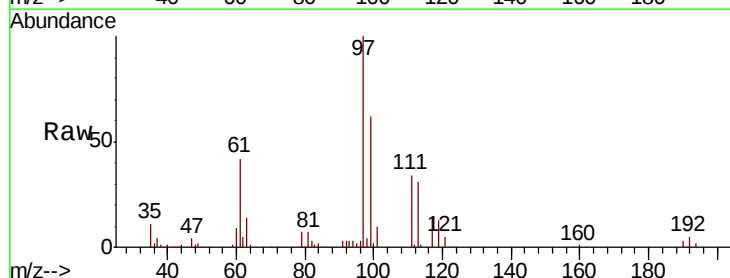
Tgt Ion: 97 Resp: 453641

Ion Ratio Lower Upper

97 100

99 62.1 51.5 77.3

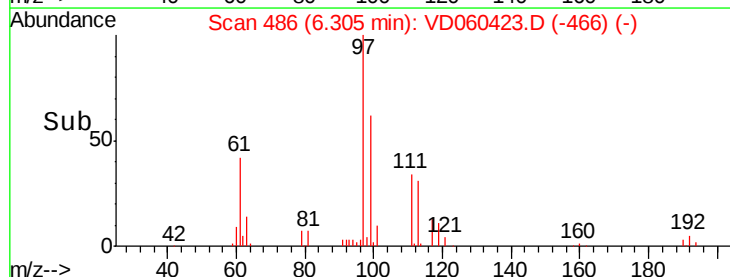
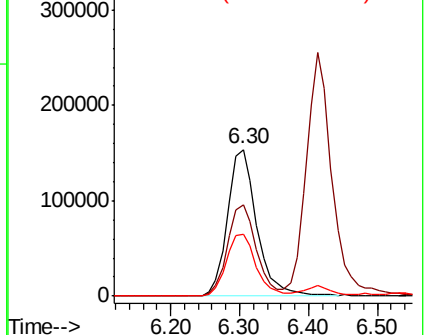
61 41.9 35.8 53.8

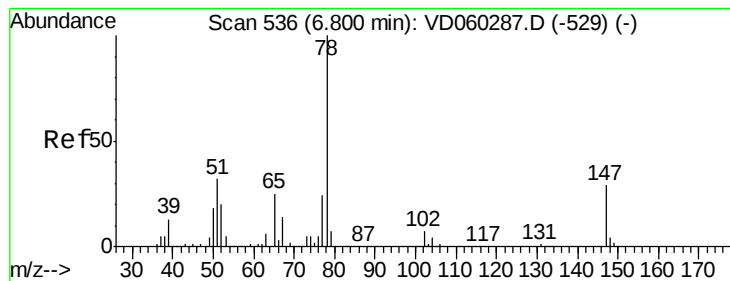


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 21.946 ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

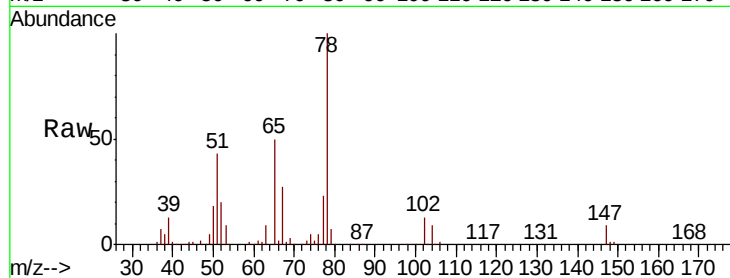
VD1120SBSD01

Tot Ion: 65 Resp: 472636

Ion Ratio Lower Upper

65 100

67 54.9 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.80

200000

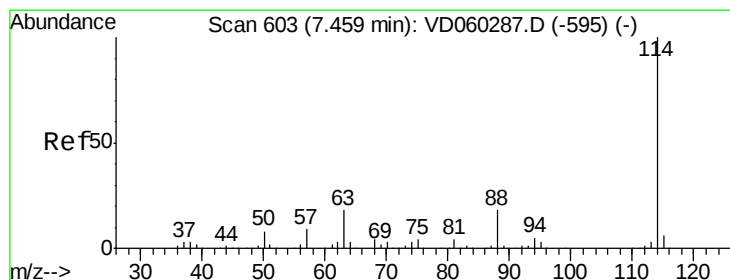
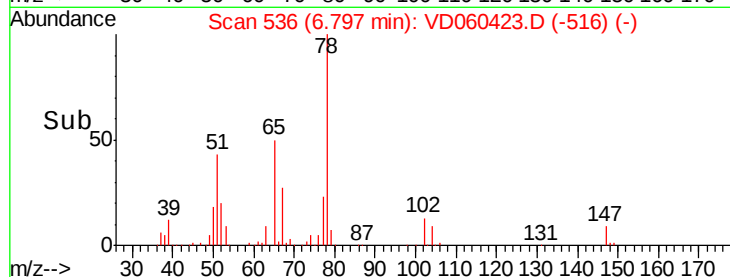
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

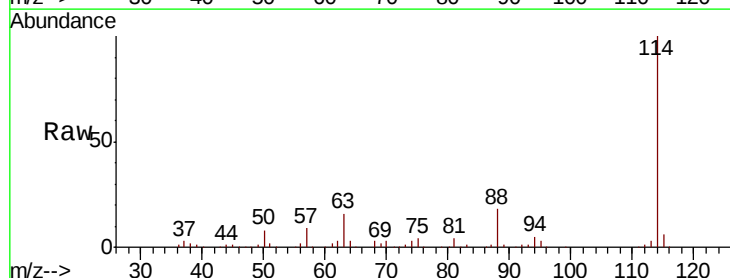
Tgt Ion: 114 Resp: 1886351

Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.0

88 18.4 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

7.46

1000000

800000

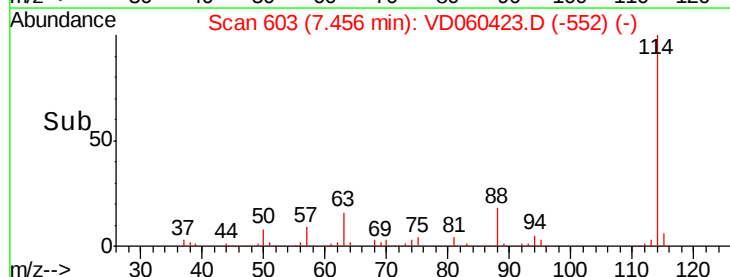
600000

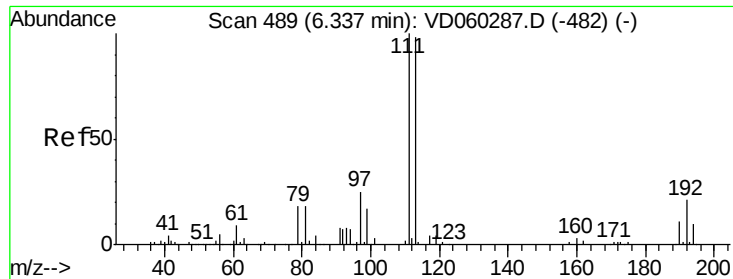
400000

200000

0

Time-->

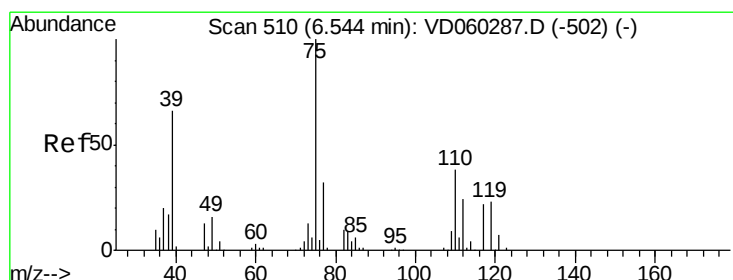
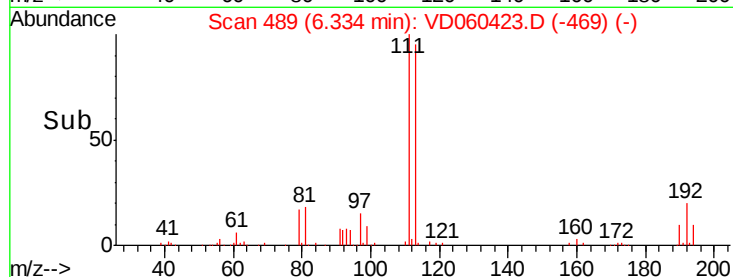
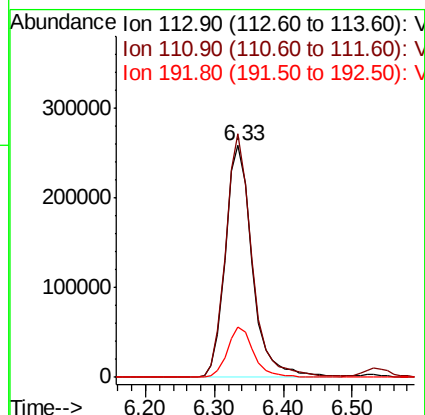
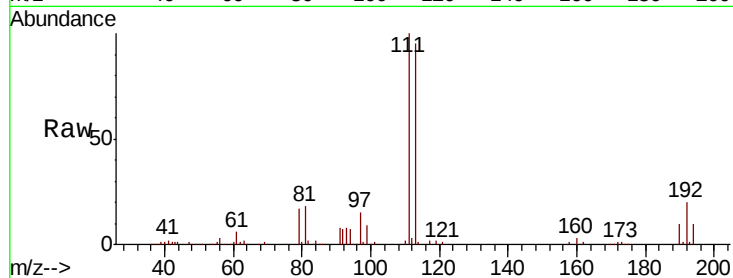




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 489
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

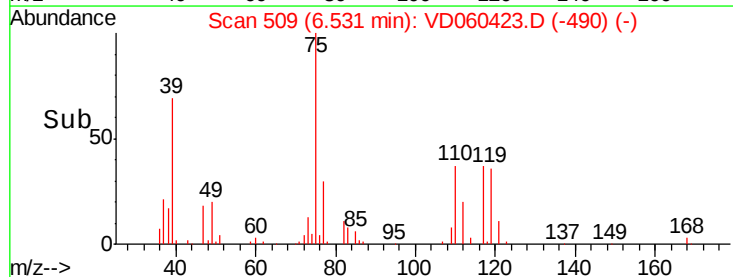
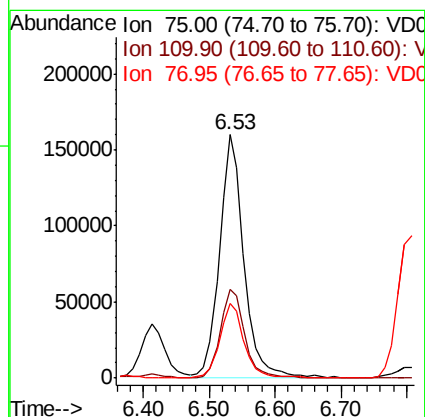
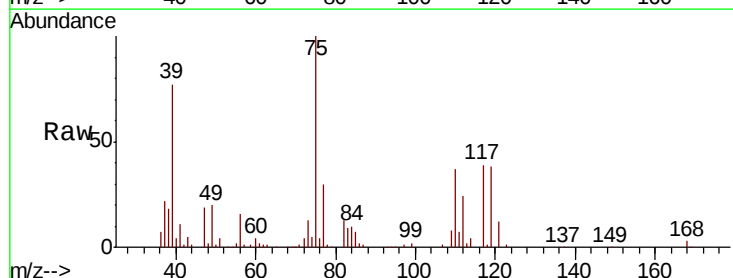
Instrument :
MSVOA_D
ClientSampleId :
VD1120SBSD01

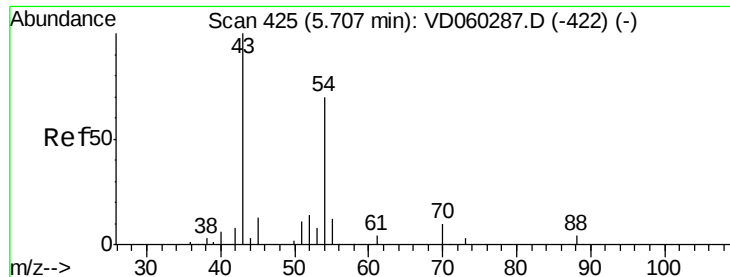
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.6	122.4
192	21.5	16.5	24.7



#36
1,1-Dichloropropene
Concen: 21.710 ug/l
RT: 6.53 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.0	54.0
77	30.5	25.6	38.4

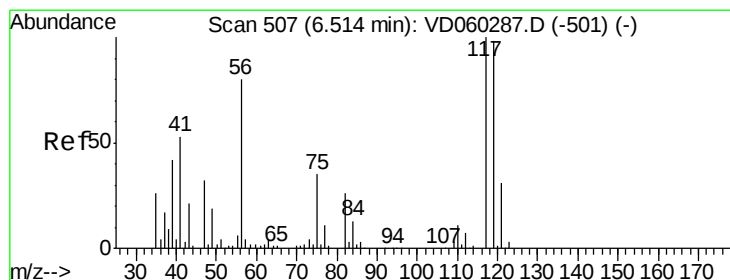
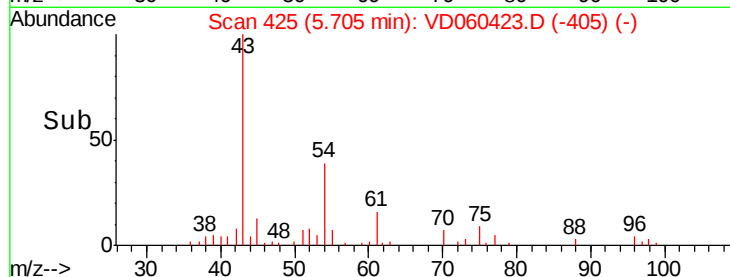
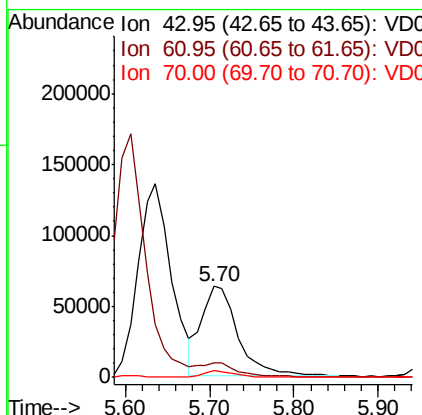
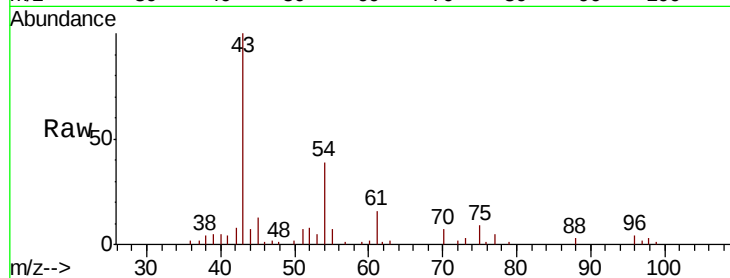




#37
Ethyl Acetate
Concen: 21.979 ug/l
RT: 5.70 min Scan# 425
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

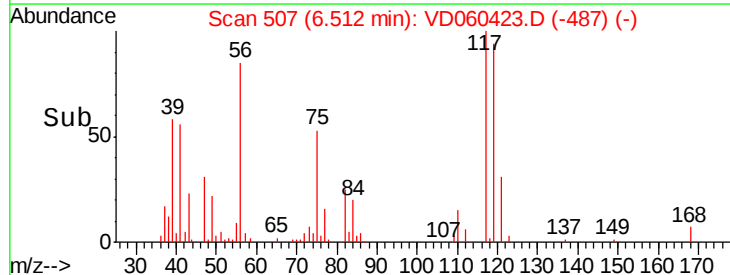
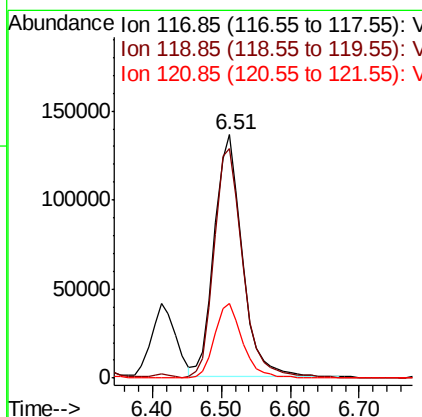
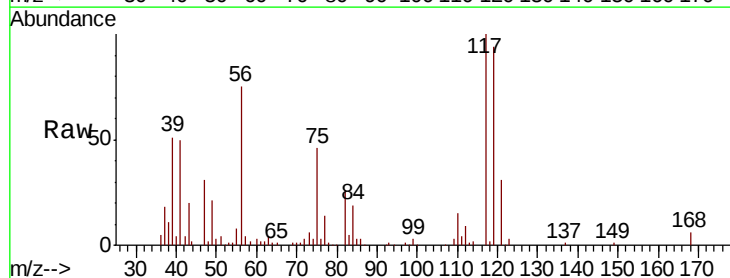
Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

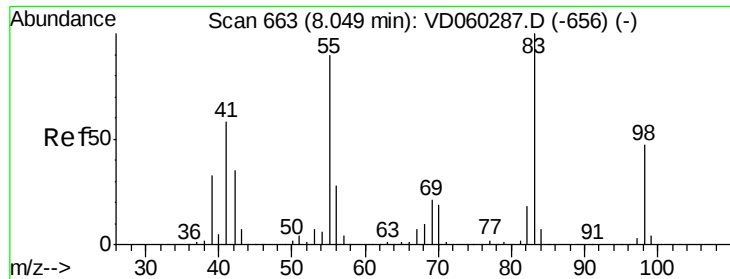
Tot Ion: 43 Resp: 188484
Ion Ratio Lower Upper
43 100
61 15.9 11.8 17.6
70 7.1 6.2 9.4



#38
Carbon Tetrachloride
Concen: 22.154 ug/l
RT: 6.51 min Scan# 507
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion: 117 Resp: 382995
Ion Ratio Lower Upper
117 100
119 94.1 76.6 115.0
121 30.9 24.3 36.5

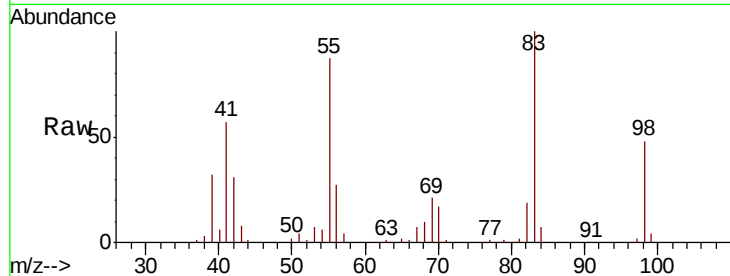




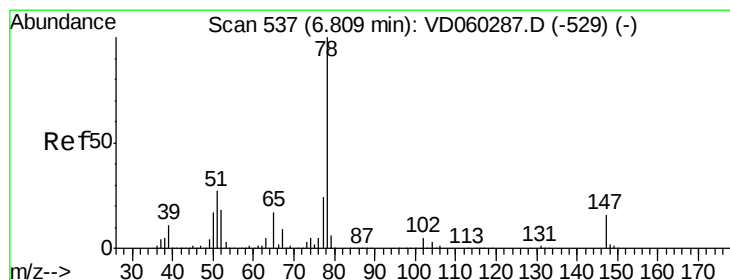
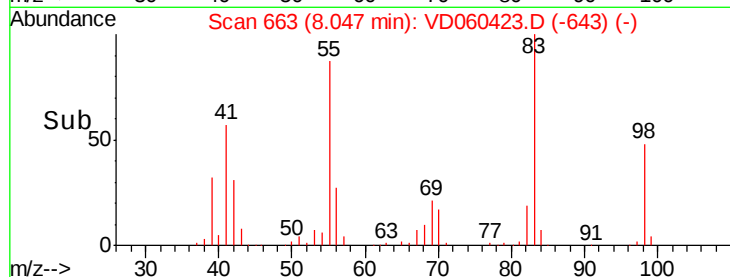
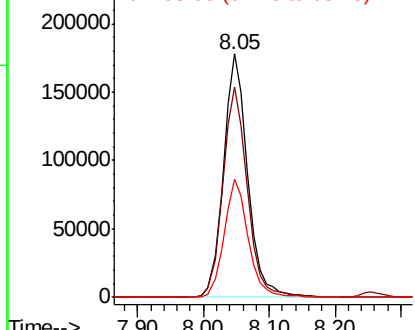
#39
Methvlcvclohexane
Concen: 21.244 ug/l
RT: 8.05 min Scan# 663
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBSD01

Tot Ion: 83 Resp: 455351
Ion Ratio Lower Upper
83 100
55 86.6 71.2 106.8
98 48.4 38.4 57.6

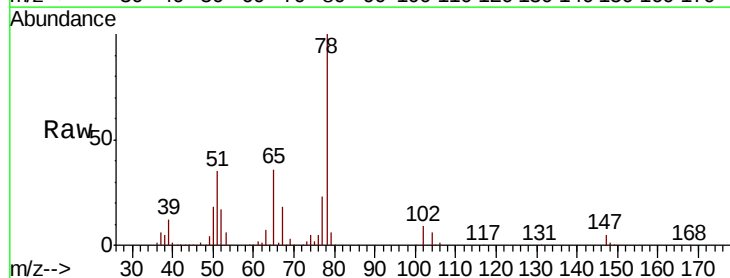


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

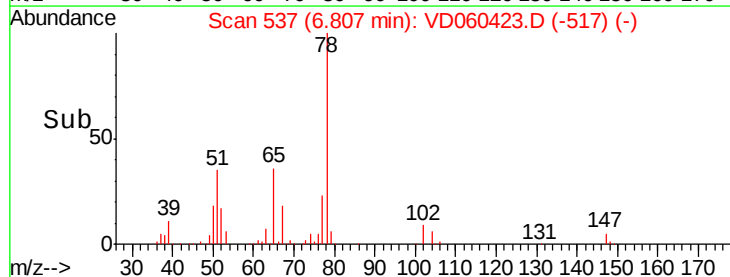
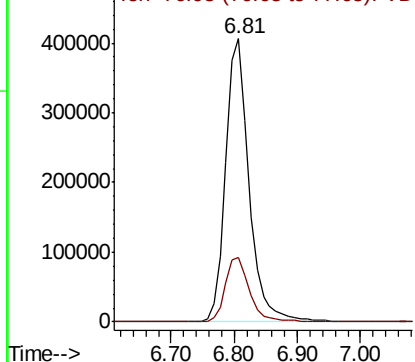


#40
Benzene
Concen: 21.997 ug/l
RT: 6.81 min Scan# 537
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion: 78 Resp: 1046436
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2



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

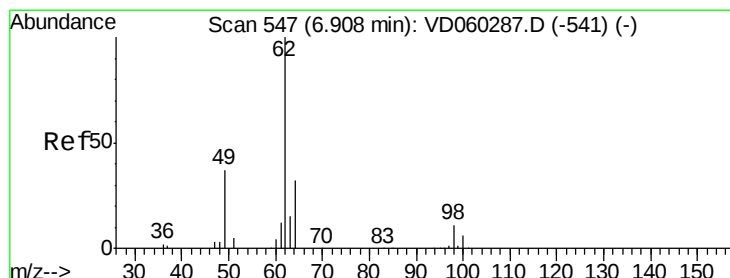
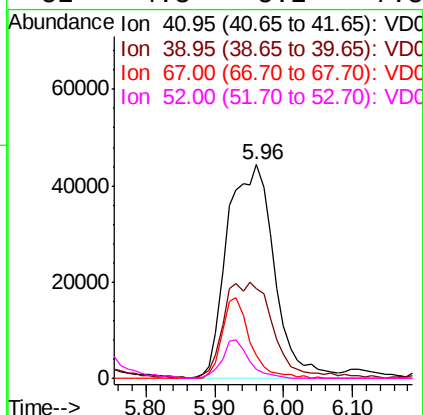
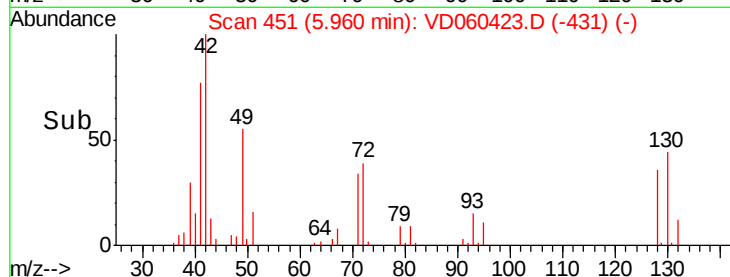
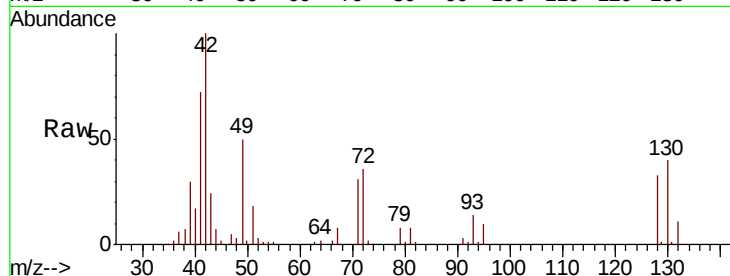




#41
Methacrylonitrile
Concen: 21.385 ug/l
RT: 5.96 min Scan# 451
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

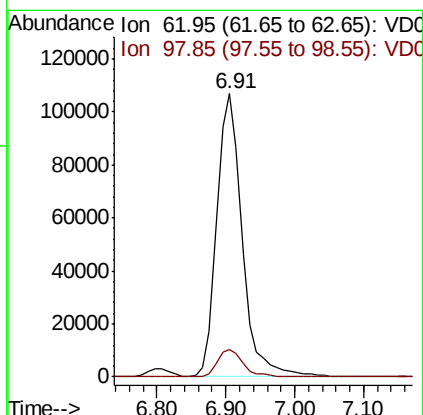
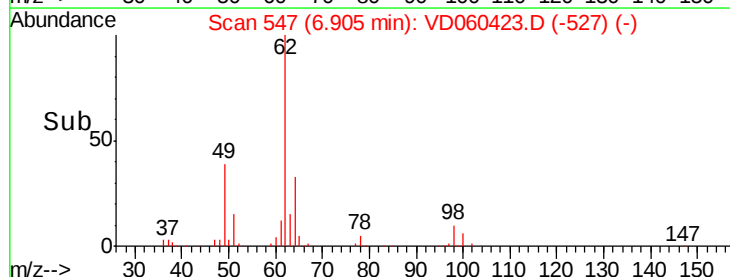
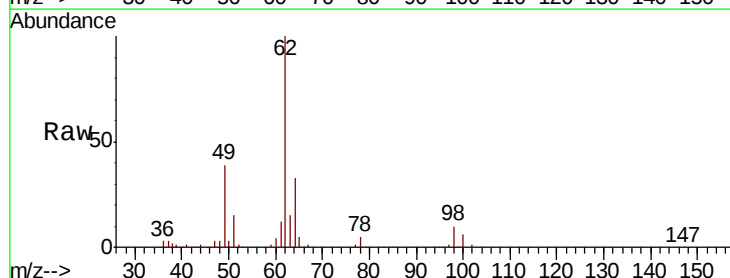
Instrument :
MSVOA_D
ClientSampleId :
VD1120SBSD01

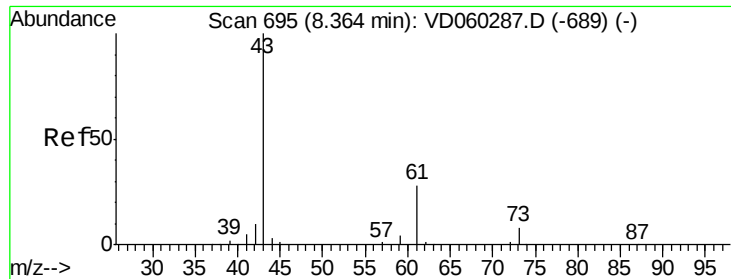
Tot Ion: 41 Resp: 209899
Ion Ratio Lower Upper
41 100
39 42.0 36.2 54.2
67 10.5 11.9 17.9#
52 4.3 5.2 7.8#



#42
1,2-Dichloroethane
Concen: 21.938 ug/l
RT: 6.91 min Scan# 547
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion: 62 Resp: 273162
Ion Ratio Lower Upper
62 100
98 9.6 0.0 22.0



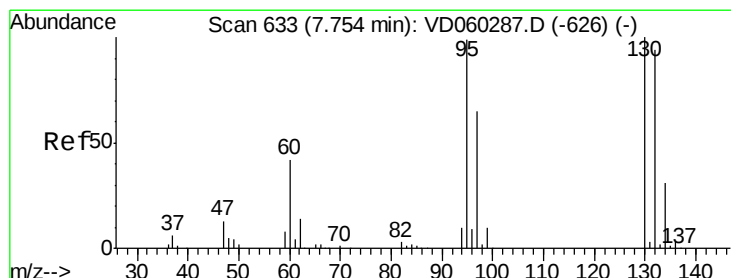
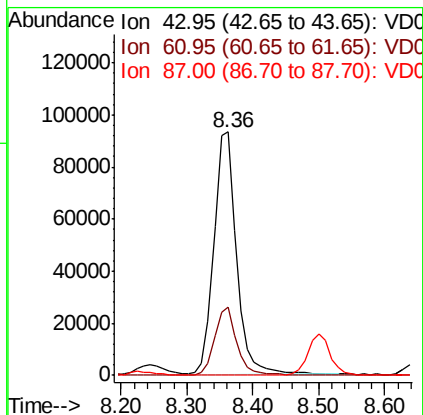
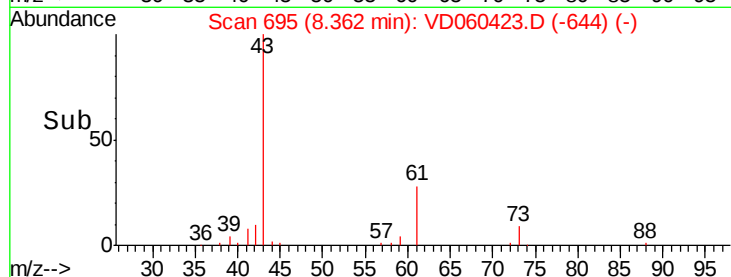
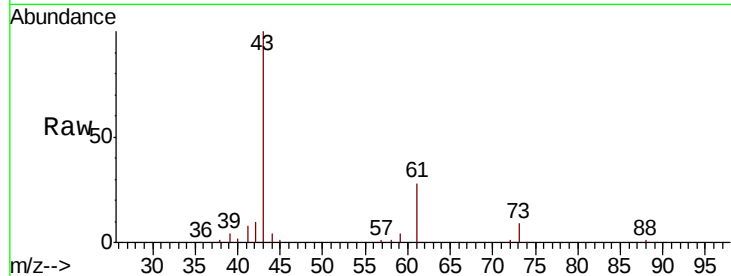


#43

Isopropyl Acetate
 Concen: 20.558 ug/l
 RT: 8.36 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VD060423.D
 Acq: 20 Nov 2018 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

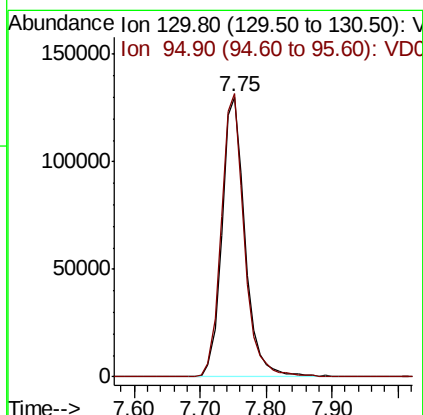
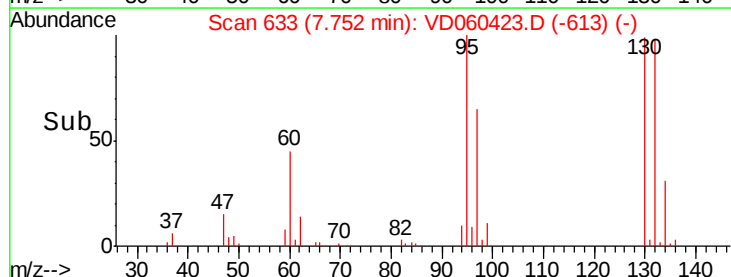
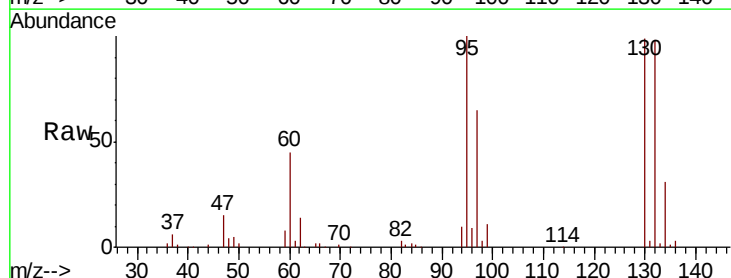
Tot Ion: 43 Resp: 221455
 Ion Ratio Lower Upper
 43 100
 61 28.1 22.3 33.5
 87 0.0 0.2 0.2#

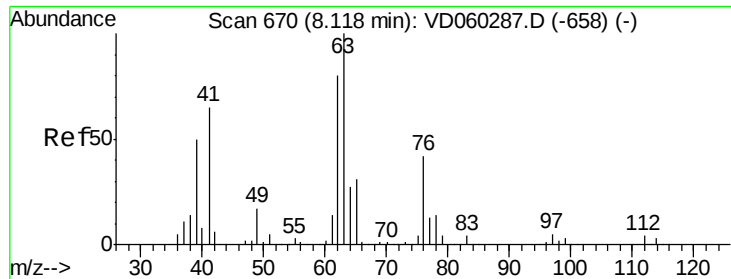


#44

Trichloroethene
 Concen: 22.043 ug/l
 RT: 7.75 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VD060423.D
 Acq: 20 Nov 2018 12:29

Tgt Ion: 130 Resp: 317869
 Ion Ratio Lower Upper
 130 100
 95 101.2 0.0 200.0





#45

1,2-Dichloropropane

Concen: 22.176 ug/l

RT: 8.11 min Scan# 669

Delta R.T. -0.01 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

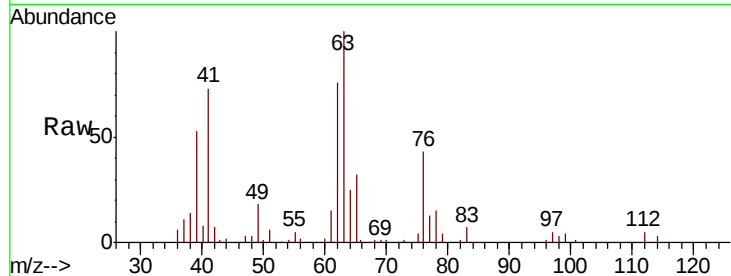
VD1120SBS01

Tot Ion: 63 Resp: 266058

Ion Ratio Lower Upper

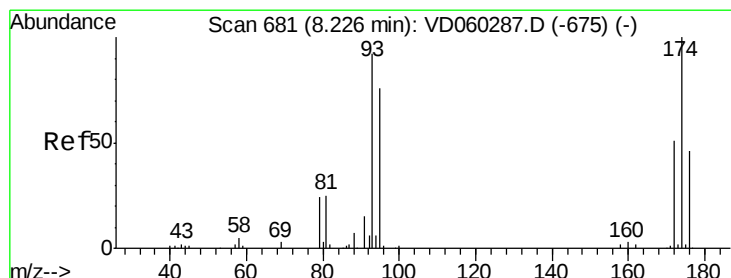
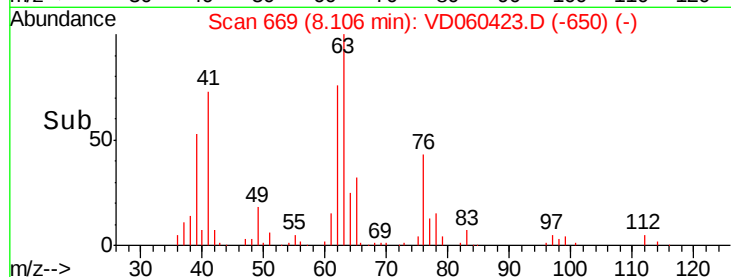
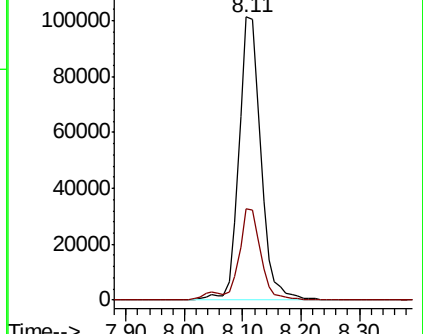
63 100

65 32.3 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: 21.713 ug/l

RT: 8.22 min Scan# 681

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

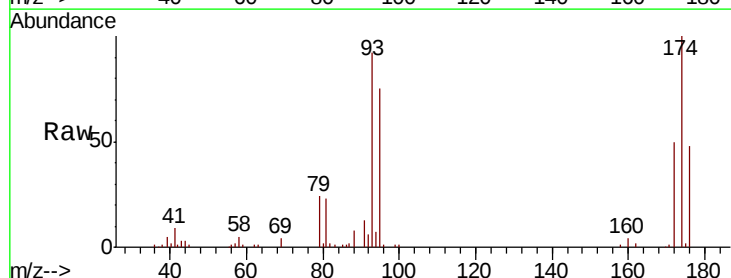
Tgt Ion: 93 Resp: 152572

Ion Ratio Lower Upper

93 100

95 81.8 66.4 99.6

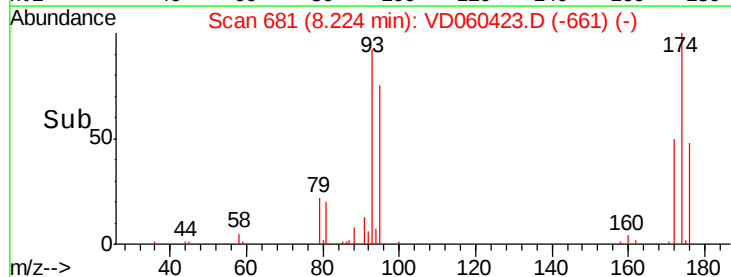
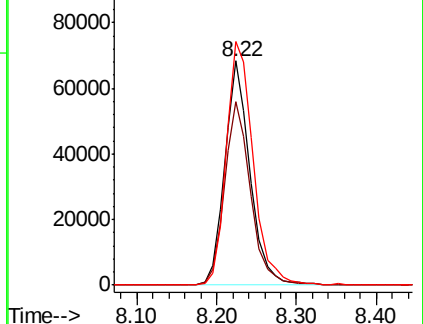
174 108.7 87.8 131.8



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: 21.455 ug/l

RT: 8.50 min Scan# 709

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBSD01

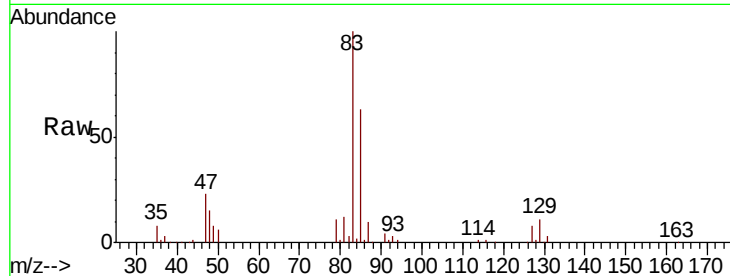
Tot Ion: 83 Resp: 355258

Ion Ratio Lower Upper

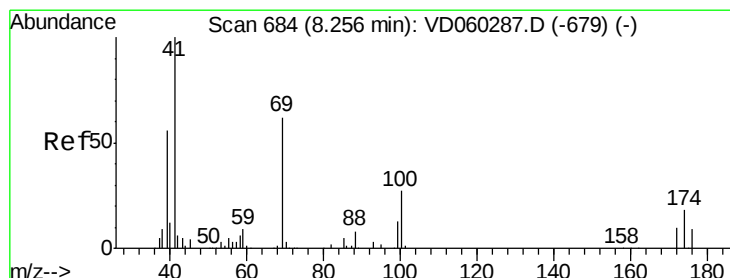
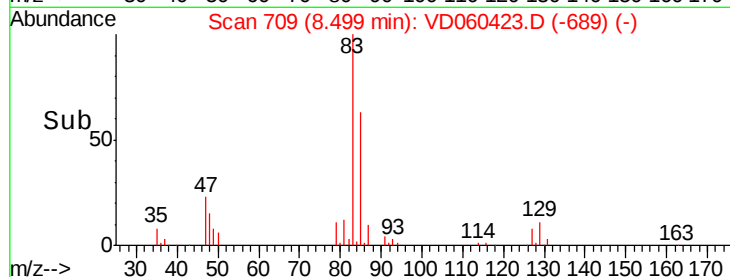
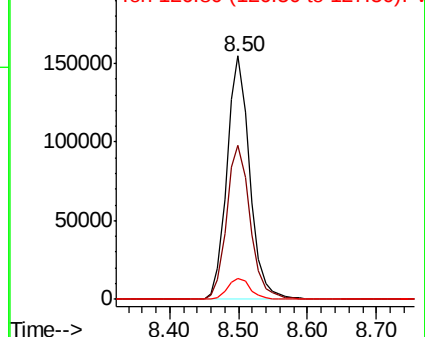
83 100

85 63.0 51.0 76.6

127 8.4 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: 20.810 ug/l

RT: 8.25 min Scan# 684

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

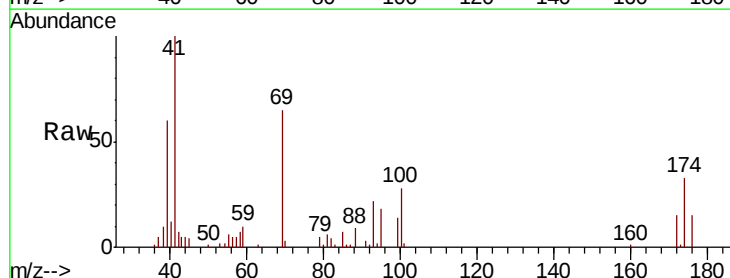
Tgt Ion: 41 Resp: 136164

Ion Ratio Lower Upper

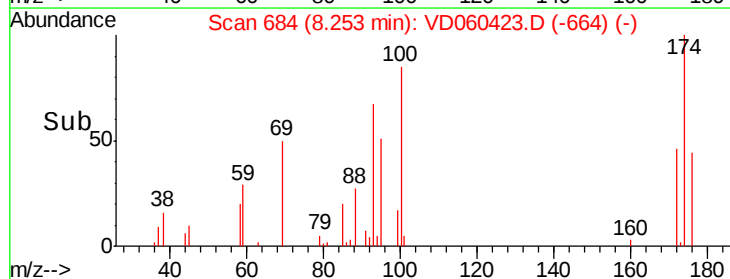
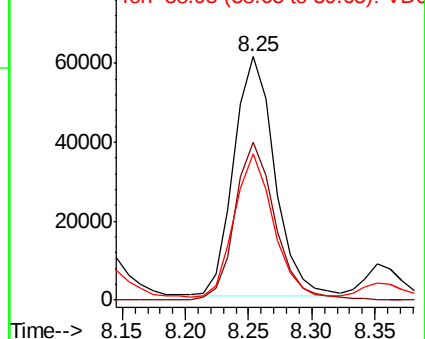
41 100

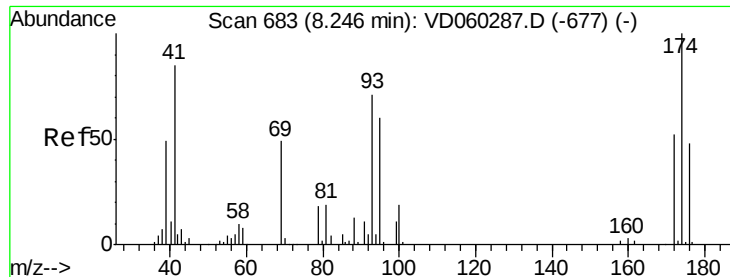
69 64.9 47.0 70.4

39 60.0 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

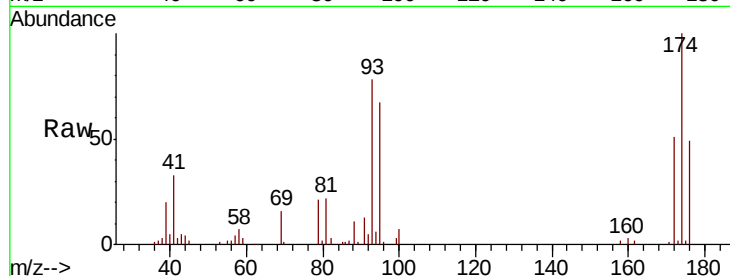




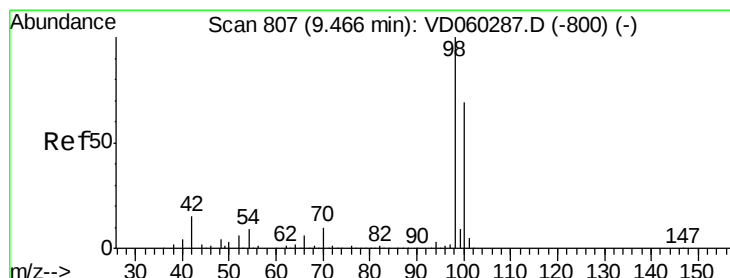
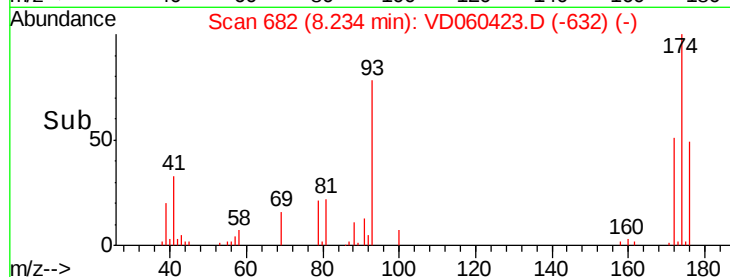
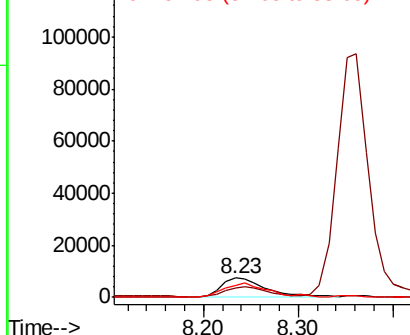
#49
1,4-Dioxane
Concen: 442.753 ug/l
RT: 8.23 min Scan# 682
Delta R.T. -0.01 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBSD01

Tot Ion: 88 Resp: 25066
Ion Ratio Lower Upper
88 100
43 48.6 39.7 59.5
58 64.3 60.2 90.2

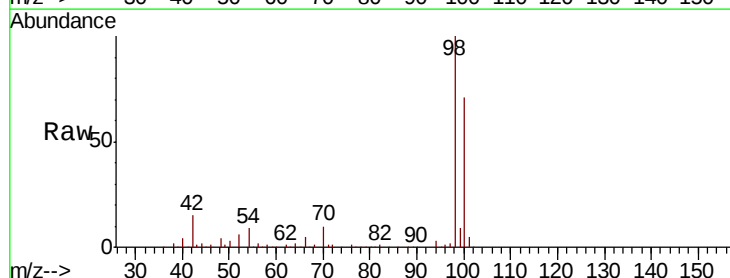


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

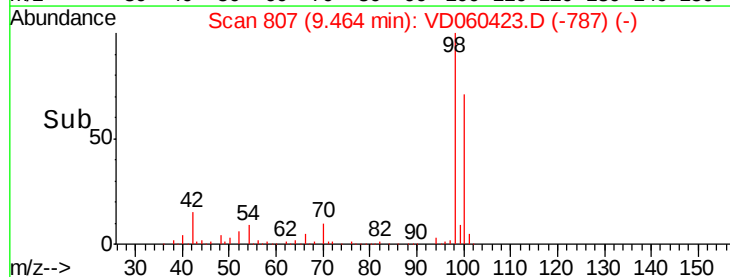
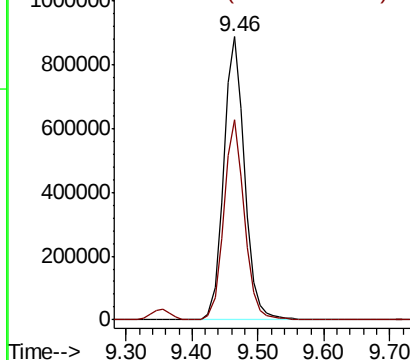


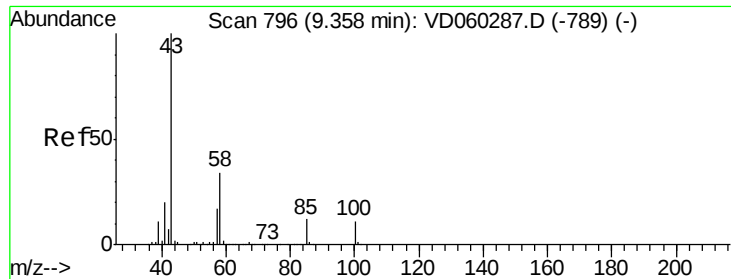
#50
Toluene-d8
Concen: 442.753 ug/l
RT: 9.46 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion: 98 Resp: 1969390
Ion Ratio Lower Upper
98 100
100 70.6 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: 103.375 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

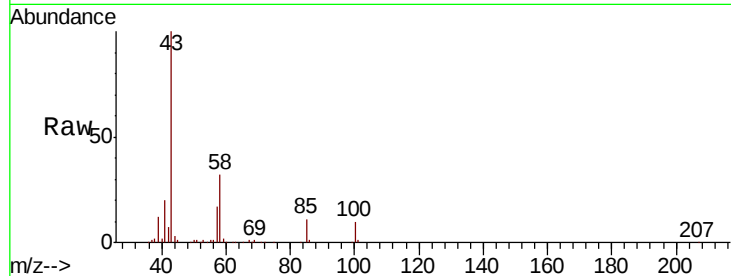
VD1120SBS01

Tot Ion: 43 Resp: 724778

Ion Ratio Lower Upper

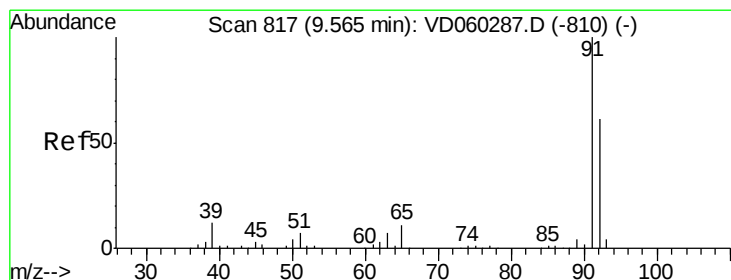
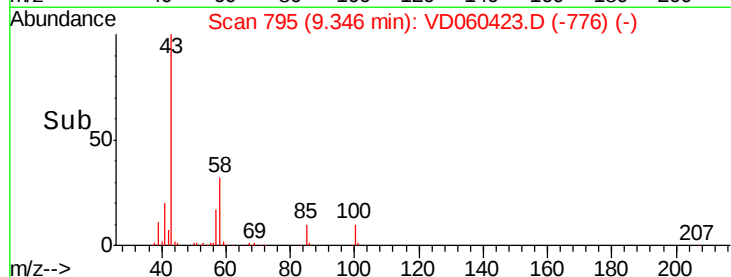
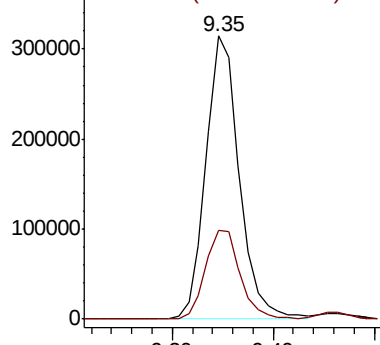
43 100

58 31.6 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: 22.005 ug/l

RT: 9.55 min Scan# 816

Delta R.T. -0.01 min

Lab File: VD060423.D

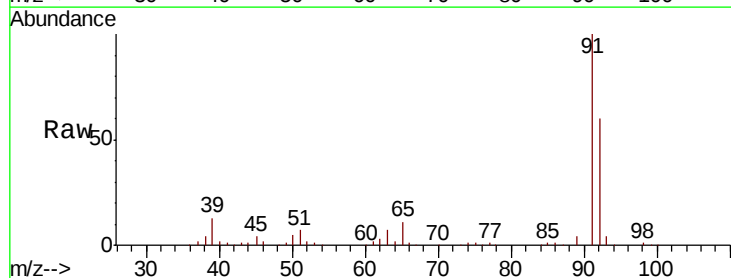
Acq: 20 Nov 2018 12:29

Tgt Ion: 92 Resp: 668670

Ion Ratio Lower Upper

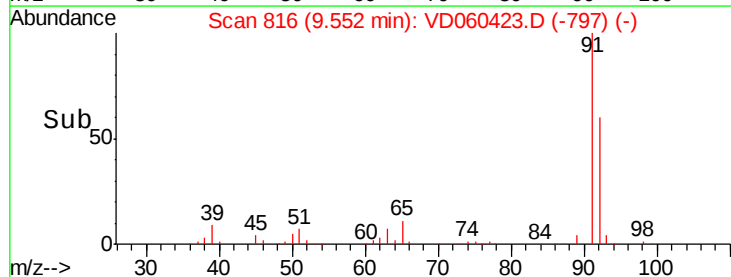
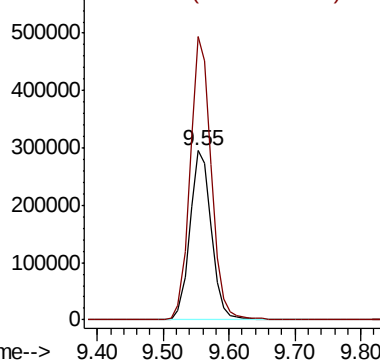
92 100

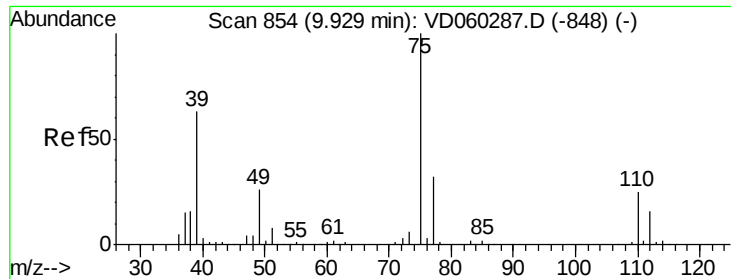
91 167.5 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

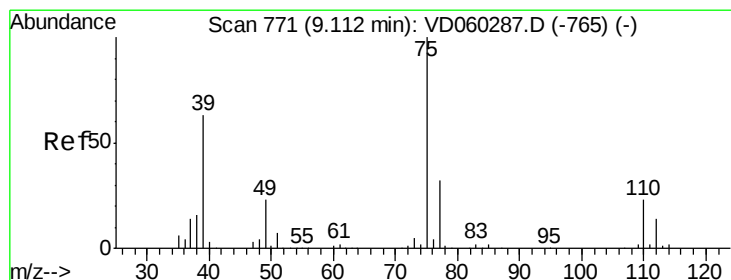
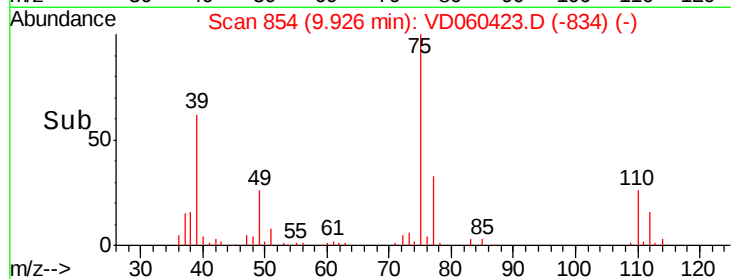
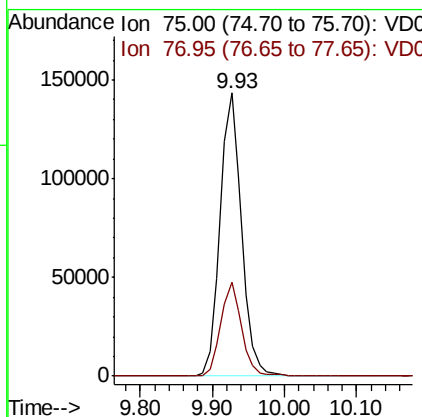
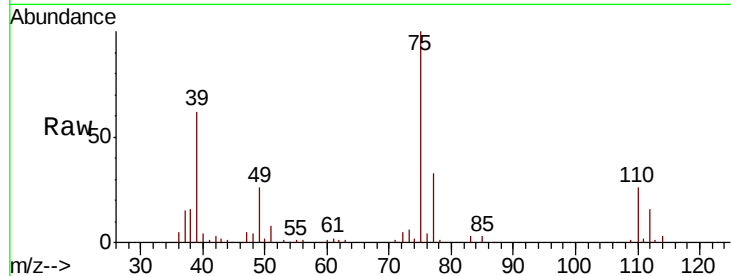




#53
t-1,3-Dichloropropene
Concen: 20.911 ug/l
RT: 9.93 min Scan# 854
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

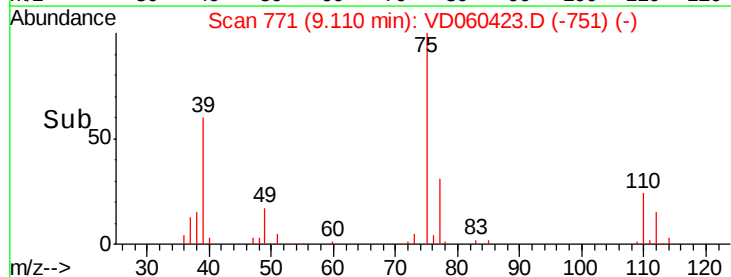
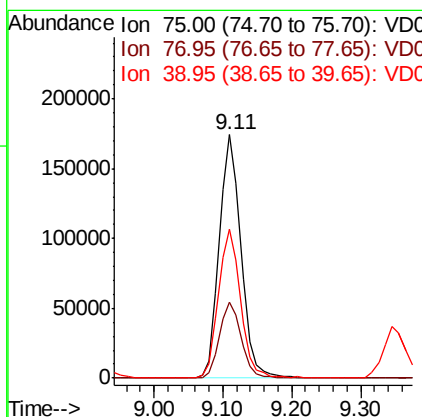
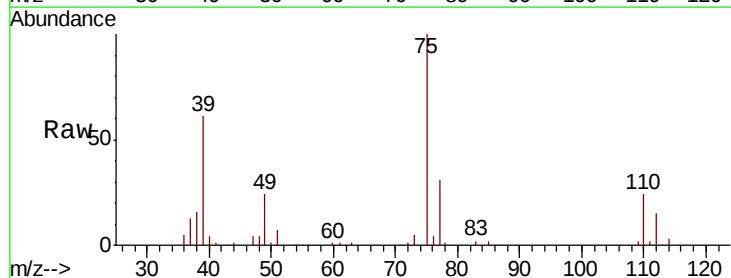
Instrument :
MSVOA_D
ClientSampleId :
VD1120SBSD01

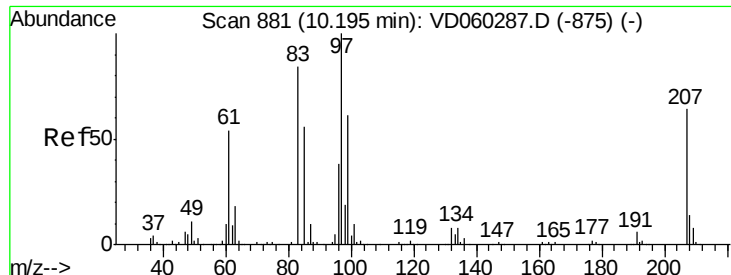
Tot Ion: 75 Resp: 292561
Ion Ratio Lower Upper
75 100
77 33.3 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 21.281 ug/l
RT: 9.11 min Scan# 771
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion: 75 Resp: 381871
Ion Ratio Lower Upper
75 100
77 31.2 26.3 39.5
39 61.4 50.8 76.2





#55

1,1,2-Trichloroethane

Concen: 20.489 ug/l

RT: 10.19 min Scan# 881

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 97 Resp: 180459

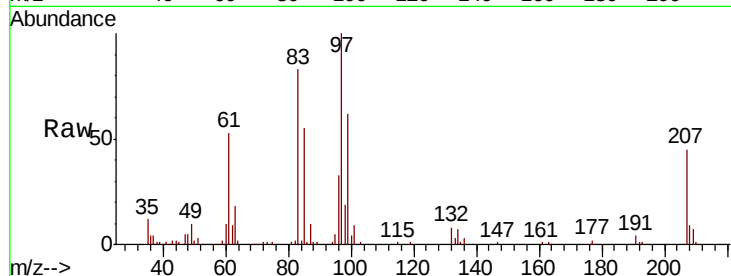
Ion Ratio Lower Upper

97 100

83 82.7 68.4 102.6

85 55.2 46.8 70.2

99 61.7 49.5 74.3

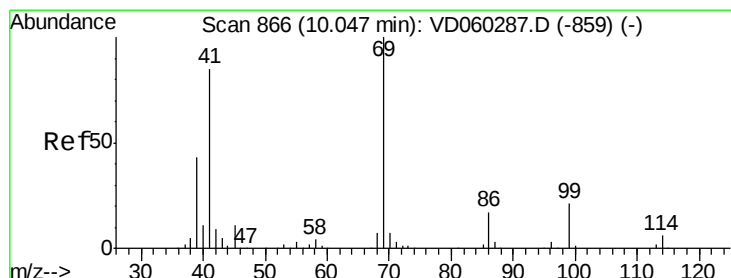
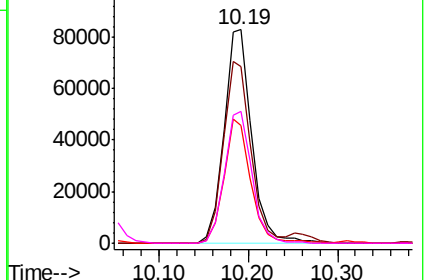
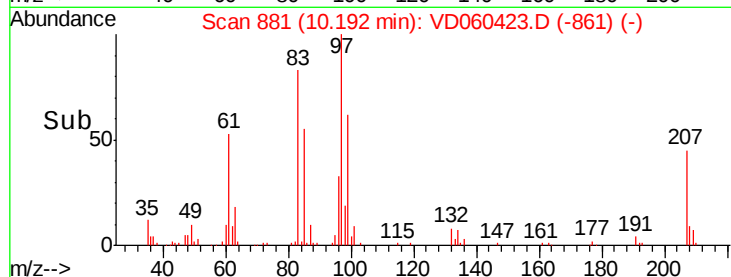


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.137 ug/l

RT: 10.03 min Scan# 865

Delta R.T. -0.01 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

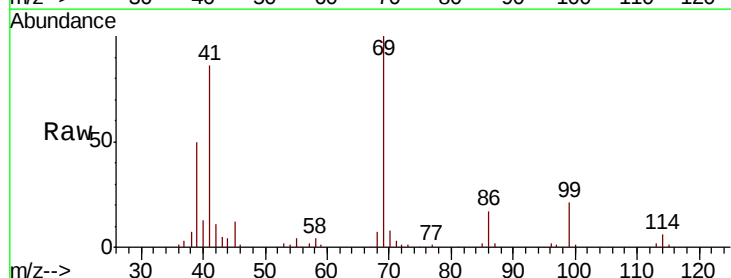
Tgt Ion: 69 Resp: 171172

Ion Ratio Lower Upper

69 100

41 86.3 69.0 103.4

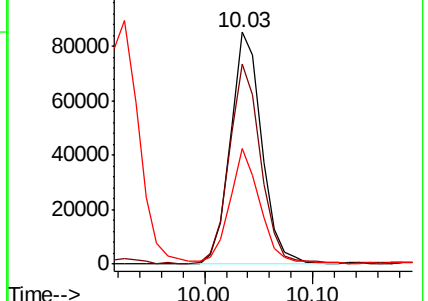
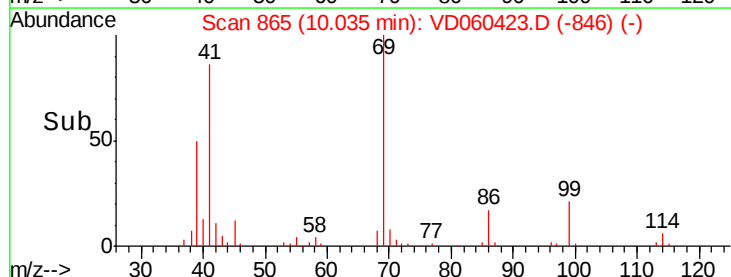
39 50.0 36.6 54.8



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: 20.859 ug/l

RT: 10.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

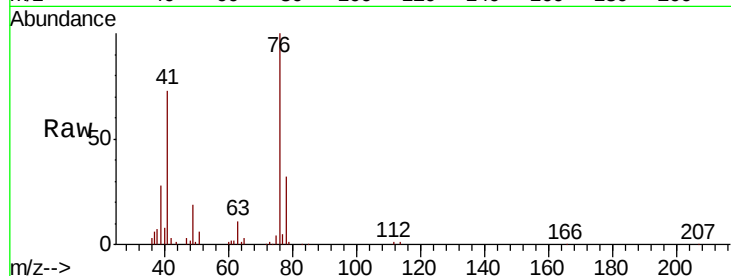
VD1120SBSD01

Tot Ion: 76 Resp: 279939

Ion Ratio Lower Upper

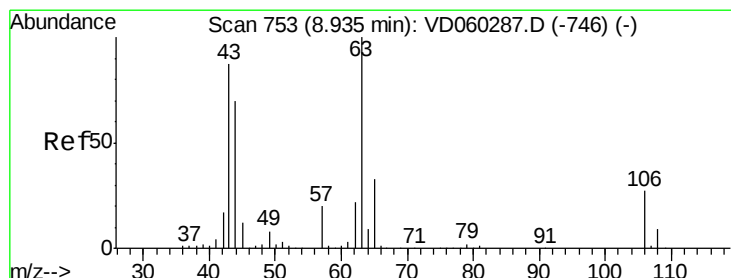
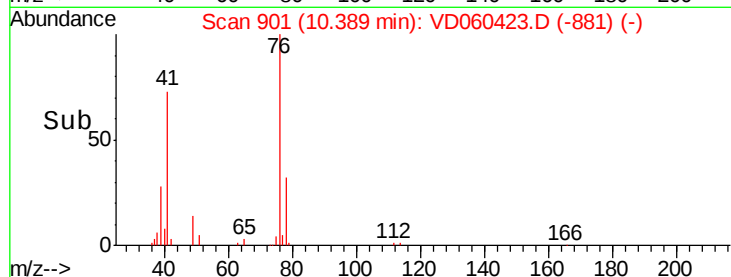
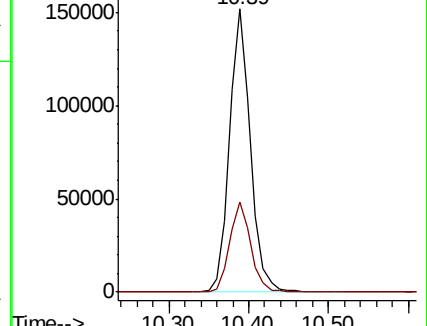
76 100

78 31.7 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 106.325 ug/l

RT: 8.93 min Scan# 753

Delta R.T. -0.00 min

Lab File: VD060423.D

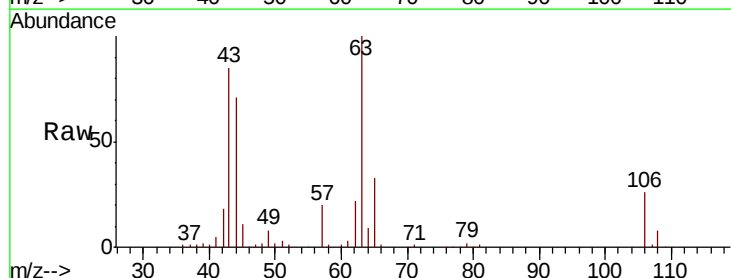
Acq: 20 Nov 2018 12:29

Tgt Ion: 63 Resp: 520620

Ion Ratio Lower Upper

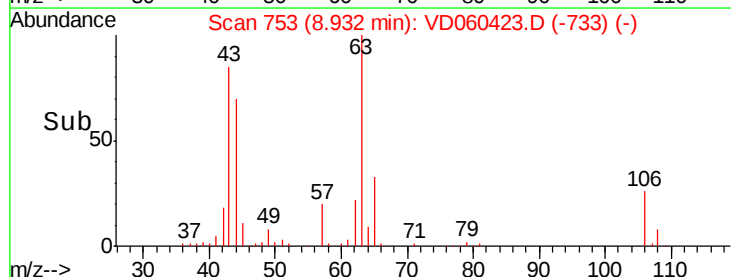
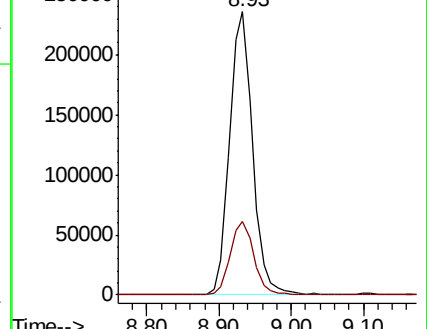
63 100

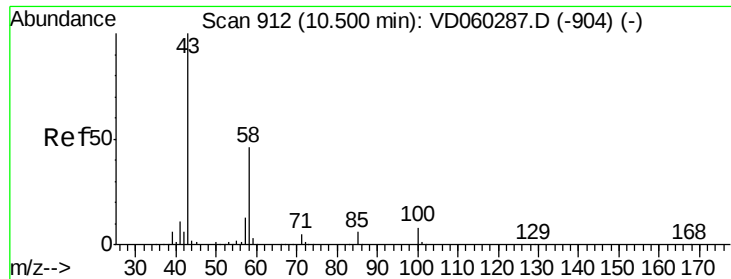
106 26.1 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

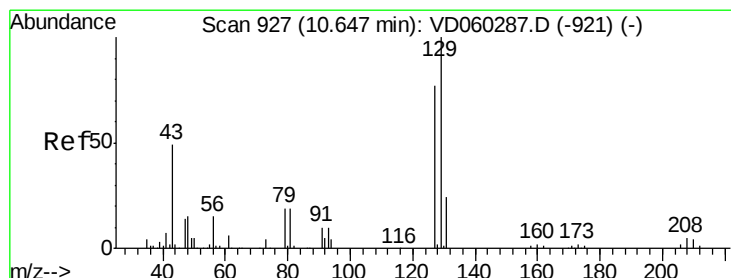
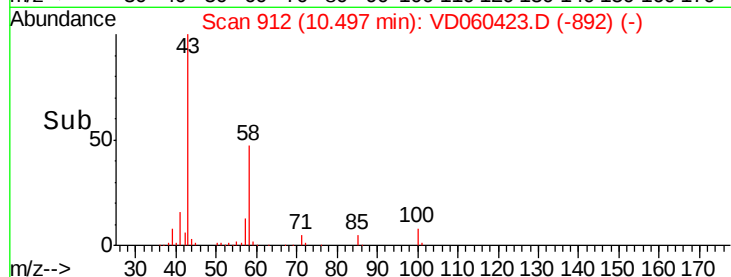
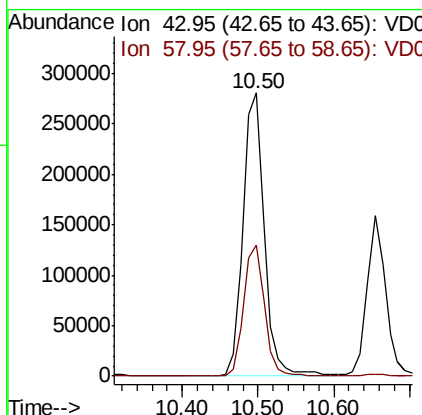
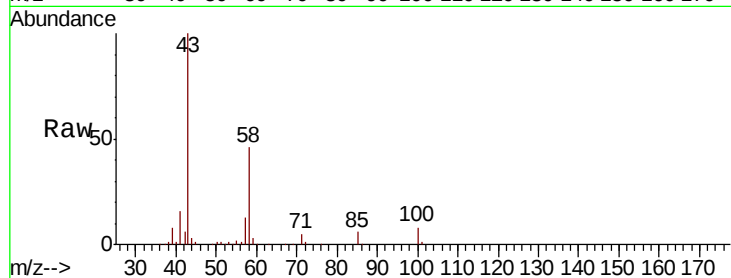




#59
2-Hexanone
Concen: 109.084 ug/l
RT: 10.50 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

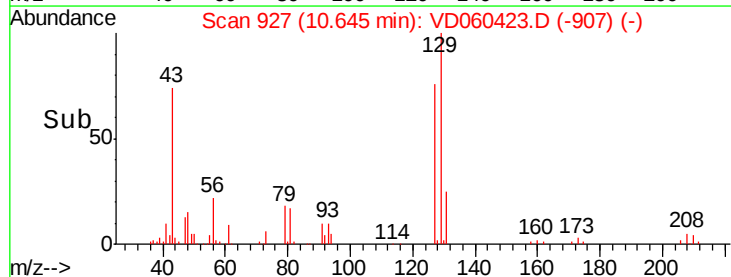
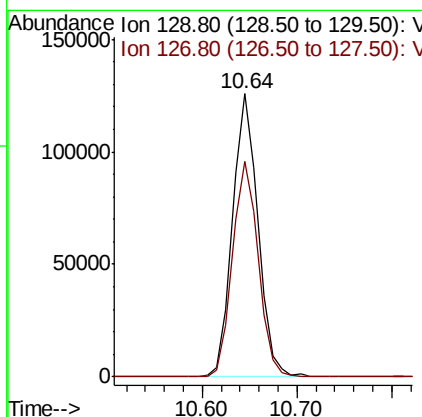
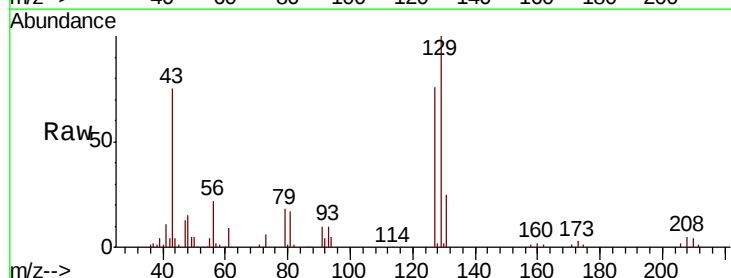
Instrument :
MSVOA_D
ClientSampleId :
VD1120SBSD01

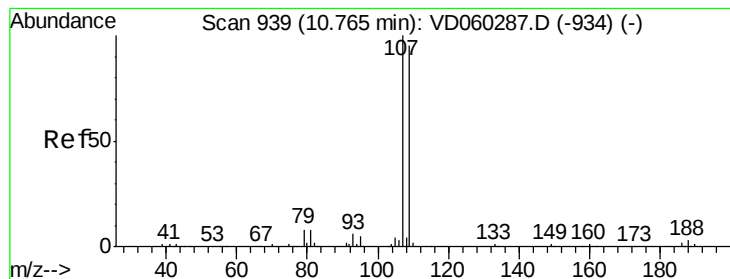
Tot Ion: 43 Resp: 545108
Ion Ratio Lower Upper
43 100
58 46.4 22.9 68.5



#60
Dibromochloromethane
Concen: 21.785 ug/l
RT: 10.64 min Scan# 927
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion: 129 Resp: 233242
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 21.505 ug/l

RT: 10.76 min Scan# 939

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

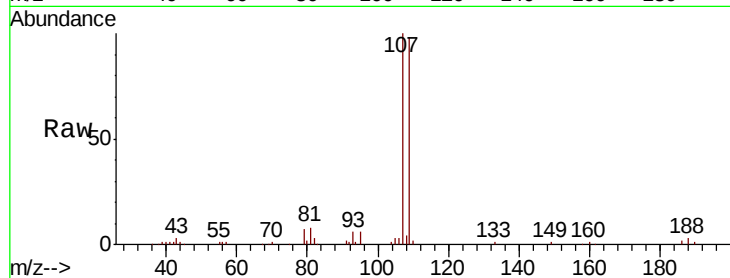
VD1120SBSD01

Tot Ion:107 Resp: 189773

Ion Ratio Lower Upper

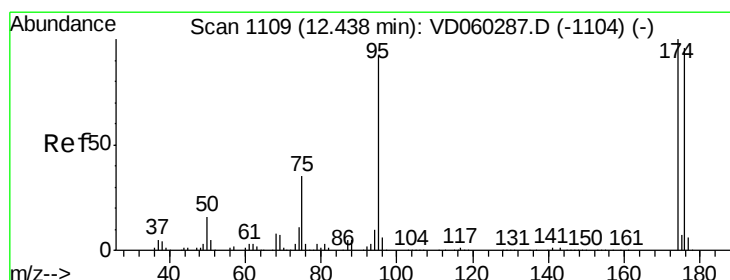
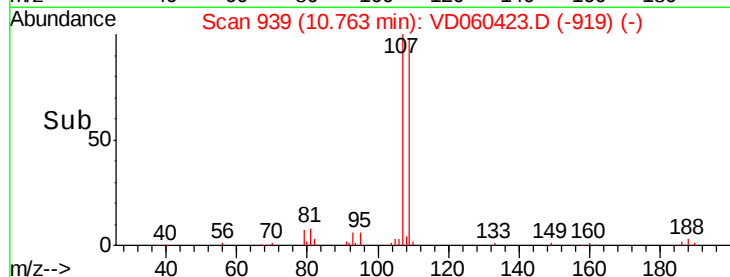
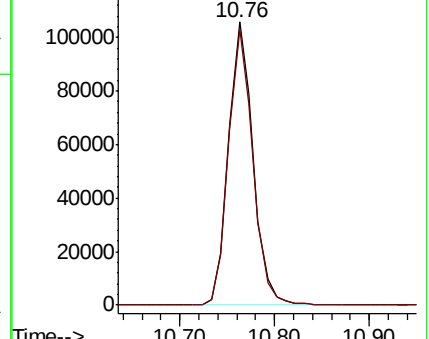
107 100

109 97.6 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 21.505 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

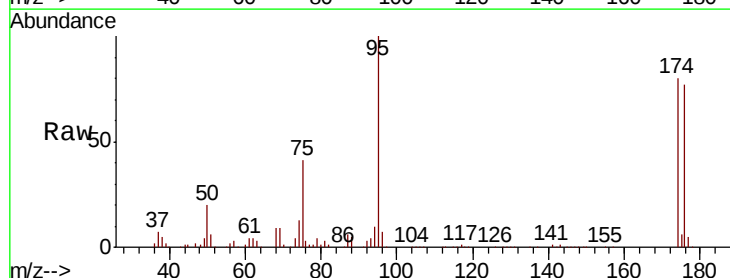
Tgt Ion: 95 Resp: 707136

Ion Ratio Lower Upper

95 100

174 80.4 0.0 160.8

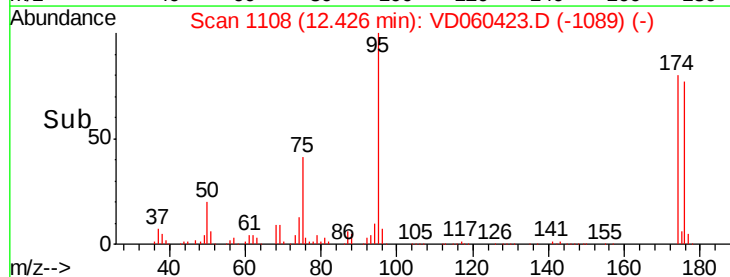
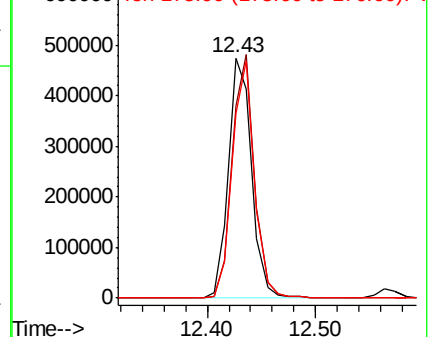
176 77.2 0.0 154.6

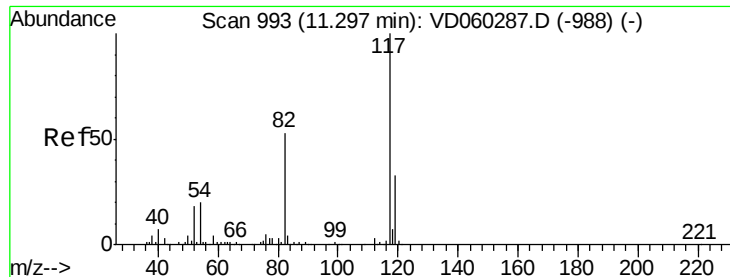


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

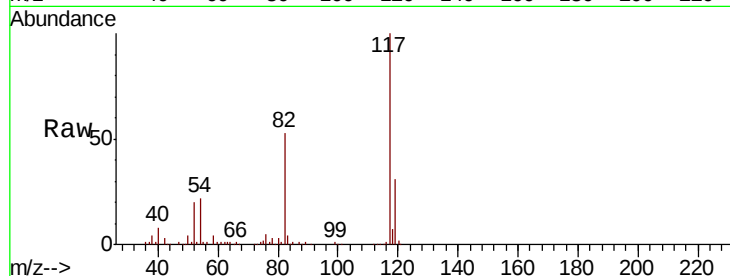




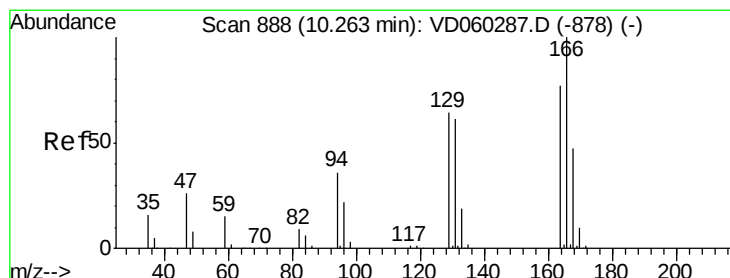
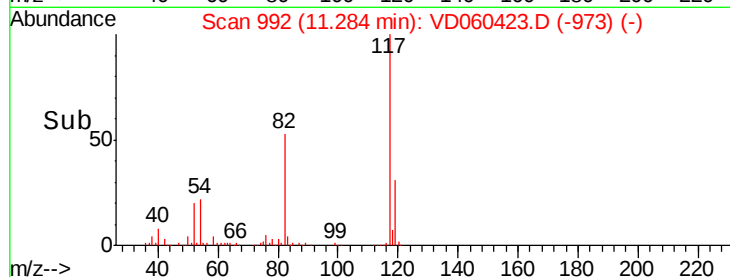
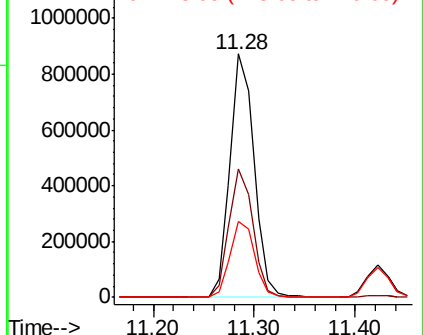
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBSD01

Tot Ion:117 Resp: 1452815
Ion Ratio Lower Upper
117 100
82 52.9 43.7 65.5
119 31.2 26.1 39.1

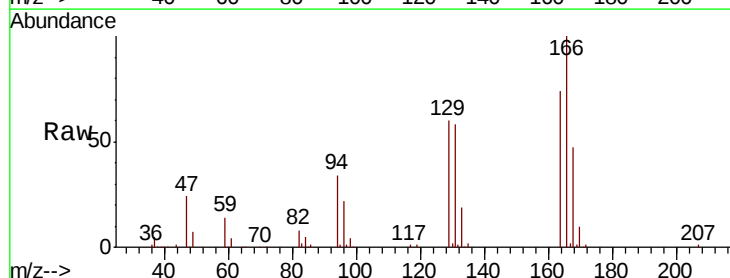


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

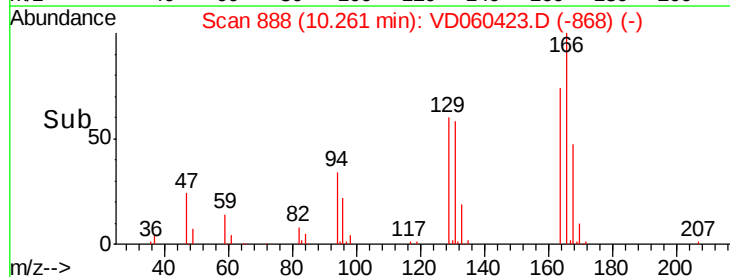
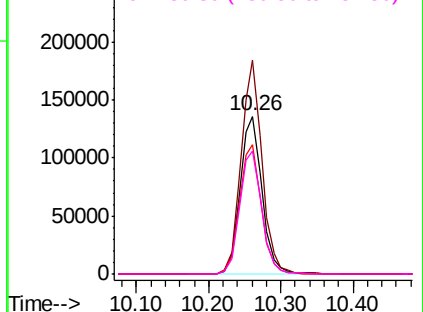


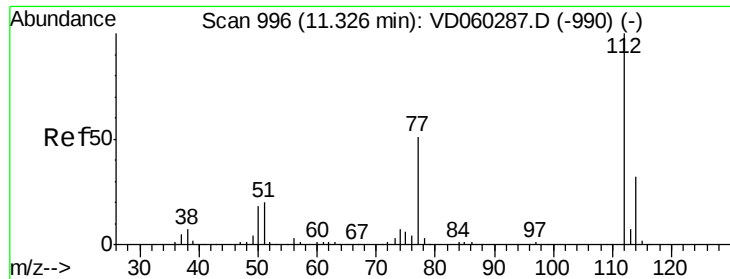
#64
Tetrachloroethene
Concen: 22.061 ug/l
RT: 10.26 min Scan# 888
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion:164 Resp: 286128
Ion Ratio Lower Upper
164 100
166 135.5 103.7 155.5
129 81.7 65.6 98.4
131 78.1 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: 22.908 ug/l

RT: 11.31 min Scan# 995

Delta R.T. -0.01 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

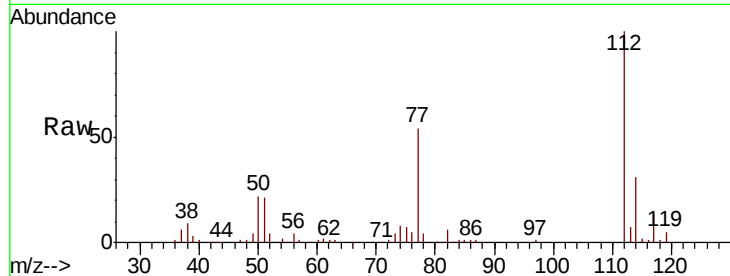
VD1120SBSD01

Tot Ion:112 Resp: 721107

Ion Ratio Lower Upper

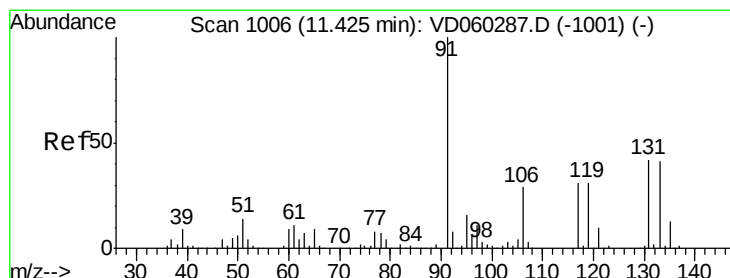
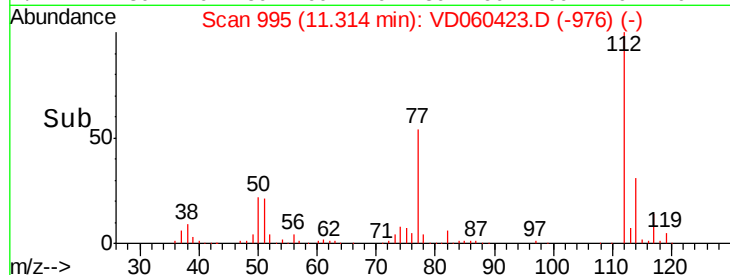
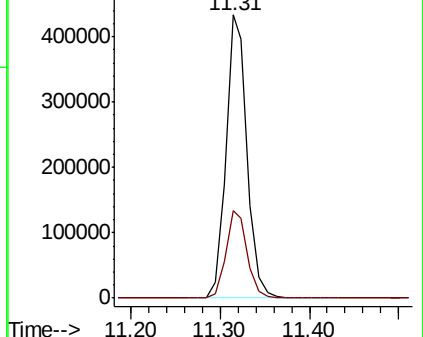
112 100

114 31.1 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: 23.607 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

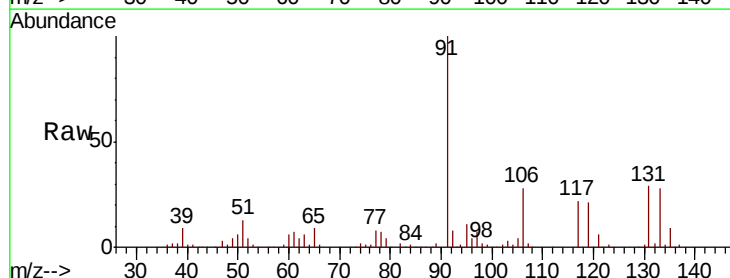
Tgt Ion:131 Resp: 243136

Ion Ratio Lower Upper

131 100

133 95.1 50.0 150.0

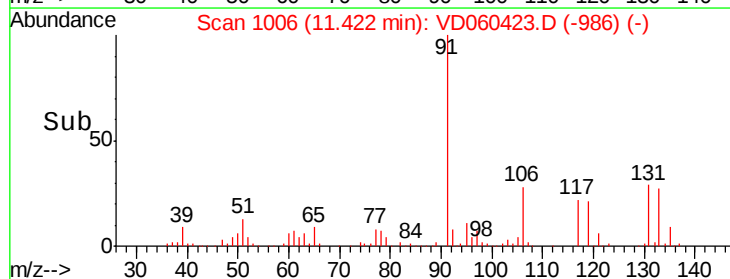
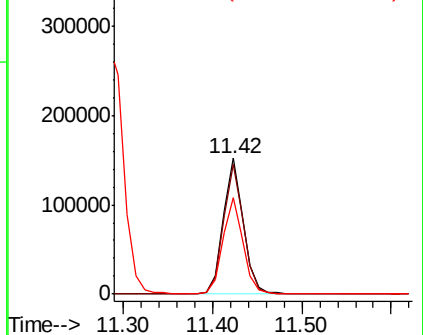
119 71.1 37.0 111.1



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

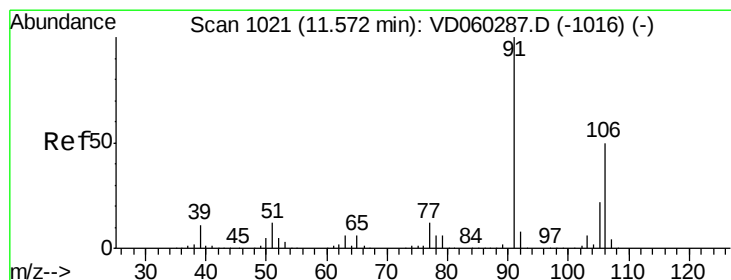
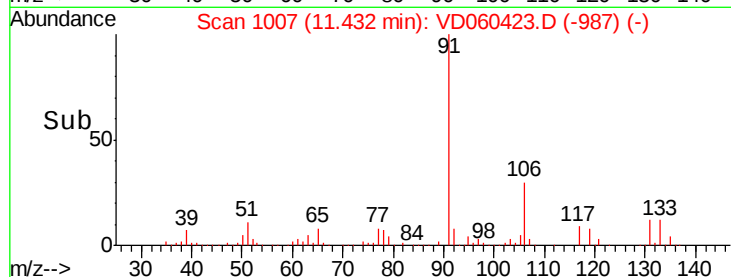
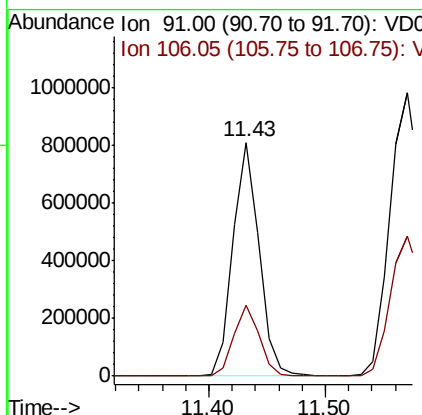
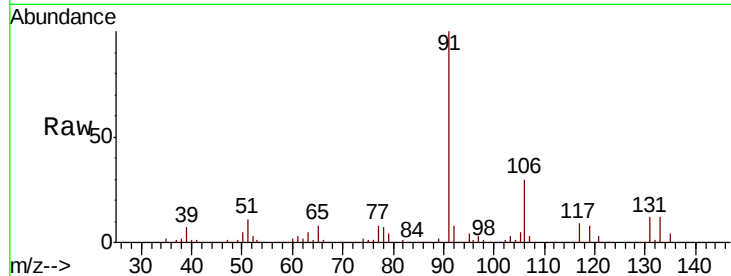




#67
Ethyl Benzene
Concen: 23.423 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

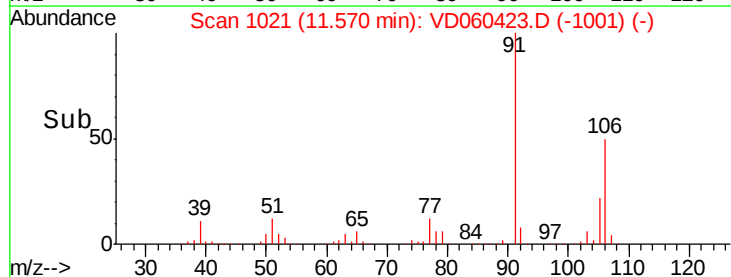
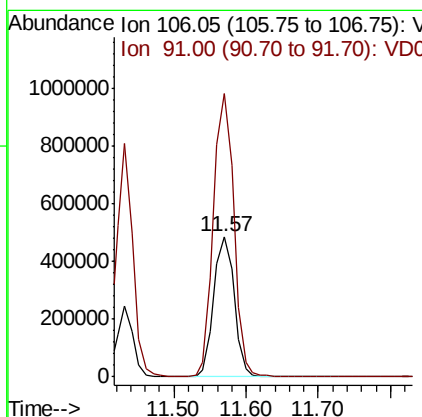
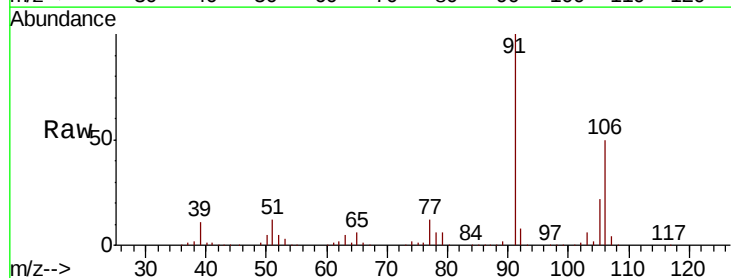
Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

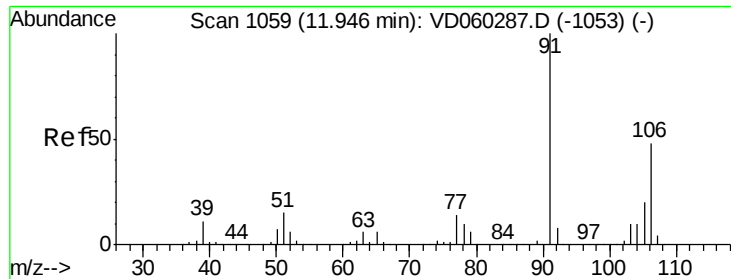
Tot Ion: 91 Resp: 1261319
Ion Ratio Lower Upper
91 100
106 30.5 24.6 36.8



#68
m/p-Xylenes
Concen: 47.670 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion: 106 Resp: 946901
Ion Ratio Lower Upper
106 100
91 201.6 159.4 239.2

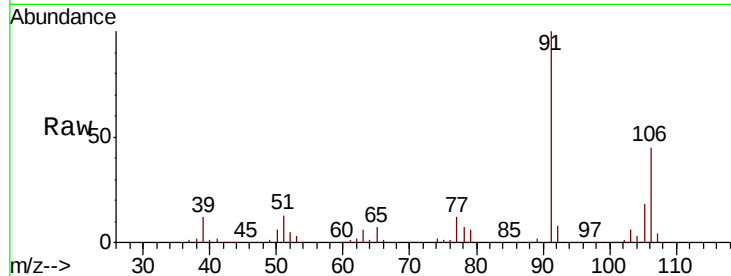




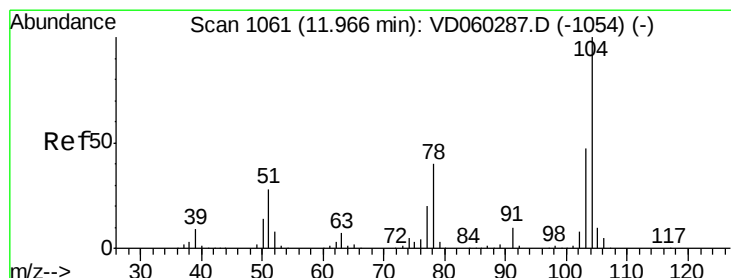
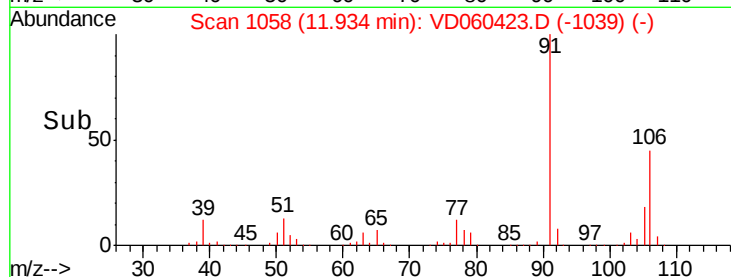
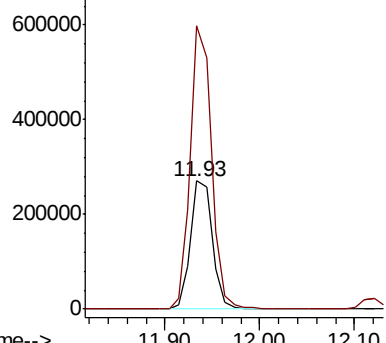
#69
o-Xylene
Concen: 22.825 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion:106 Resp: 438007
Ion Ratio Lower Upper
106 100
91 220.5 109.2 327.6

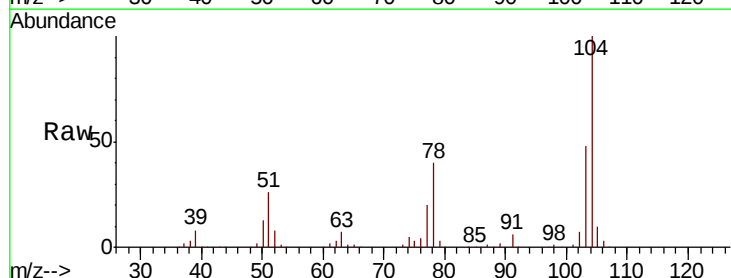


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

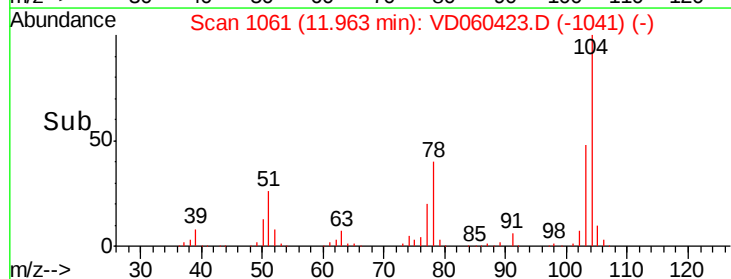
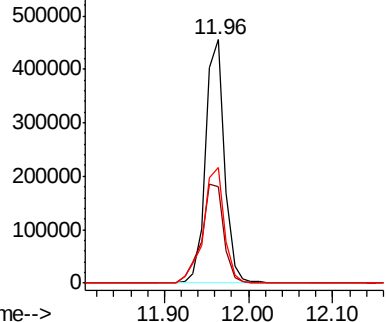


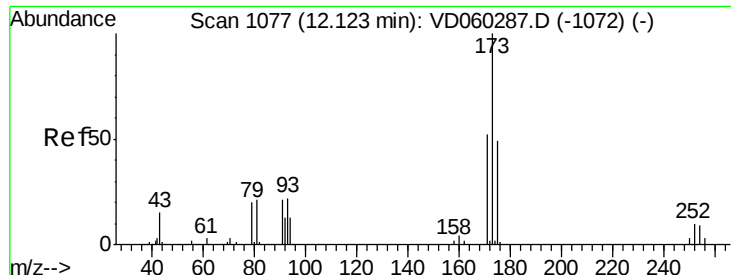
#70
Styrene
Concen: 22.829 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion:104 Resp: 707997
Ion Ratio Lower Upper
104 100
78 39.8 31.6 47.4
103 47.5 37.0 55.6



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

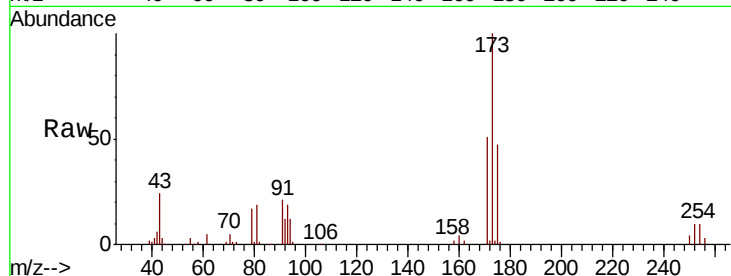




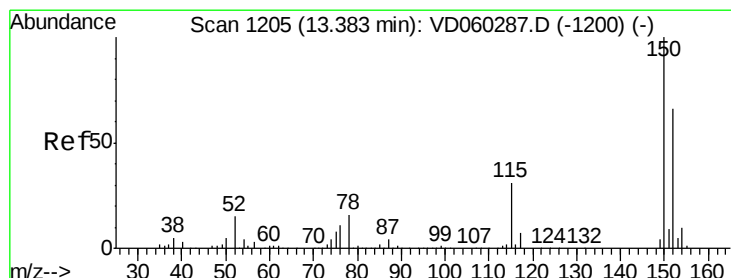
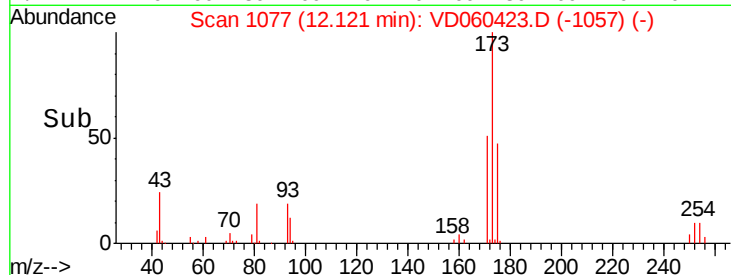
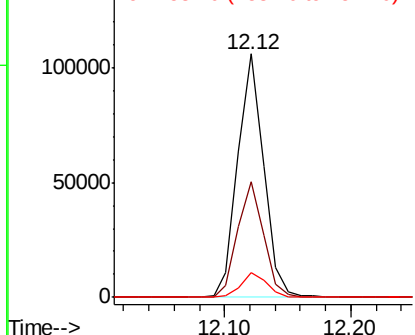
#71
Bromoform
Concen: 21.770 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBSD01

Tot Ion:173 Resp: 150669
Ion Ratio Lower Upper
173 100
175 47.4 24.3 73.0
254 10.1 8.3 12.5

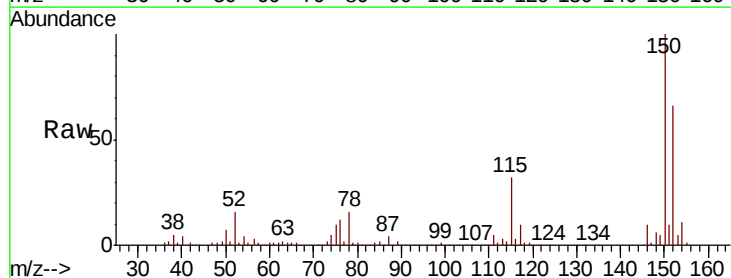


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

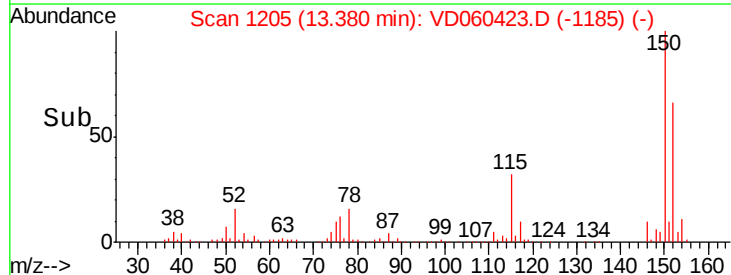
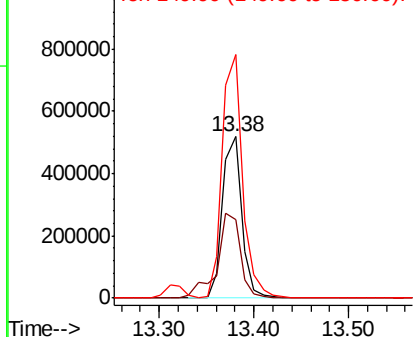


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion:152 Resp: 736110
Ion Ratio Lower Upper
152 100
115 48.6 24.1 72.3
150 150.8 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.553 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

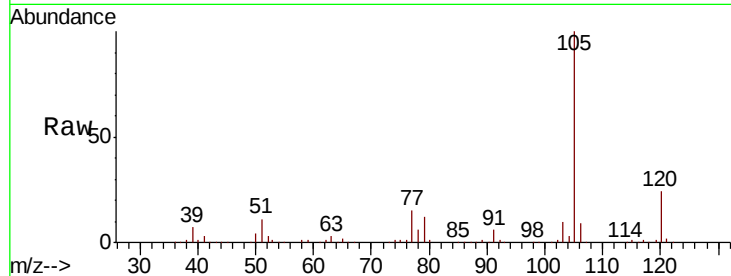
VD1120SBS01

Tot Ion:105 Resp: 1209517

Ion Ratio Lower Upper

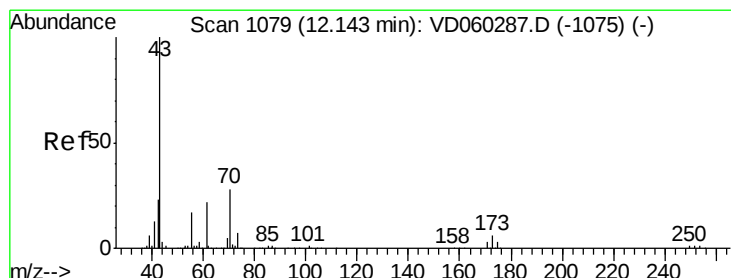
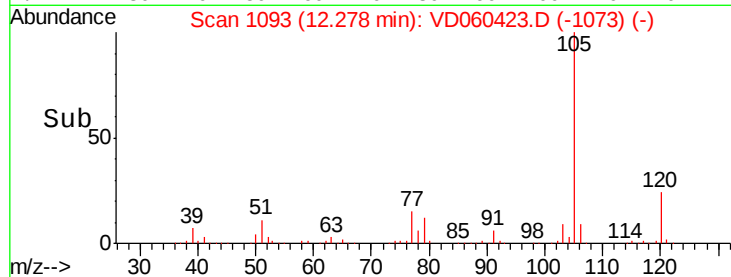
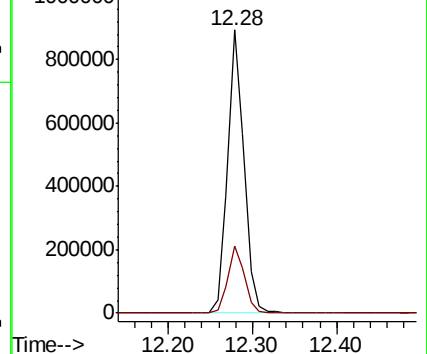
105 100

120 23.7 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.760 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Tgt Ion: 43 Resp: 285450

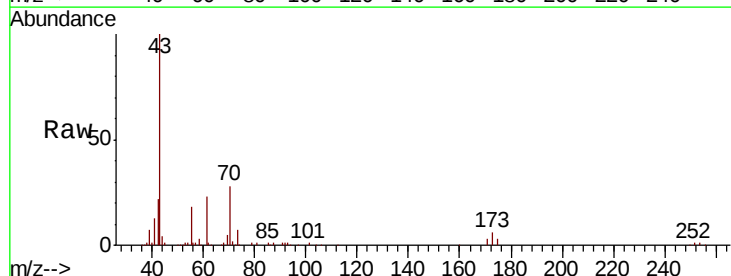
Ion Ratio Lower Upper

43 100

70 28.4 23.0 34.4

55 17.6 14.2 21.4

61 22.5 17.8 26.8

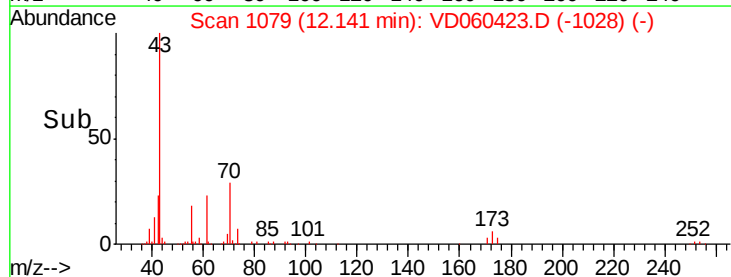
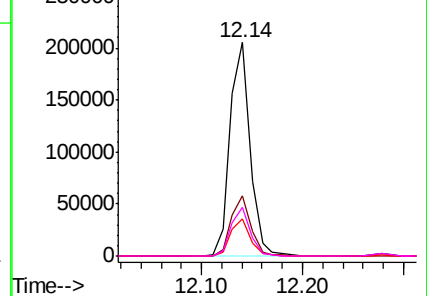


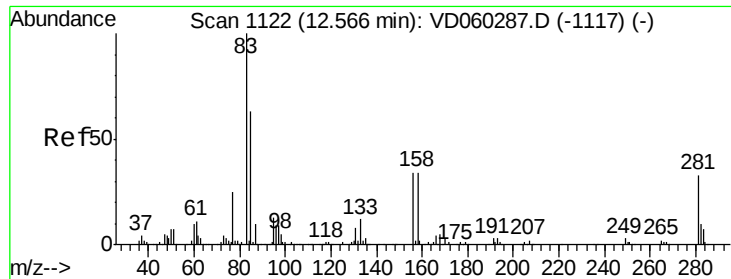
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.064 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBSD01

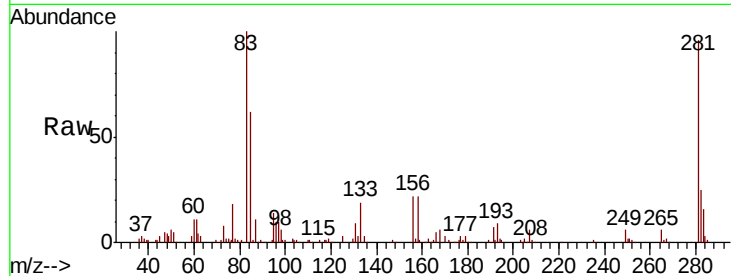
Tot Ion: 83 Resp: 184755

Ion Ratio Lower Upper

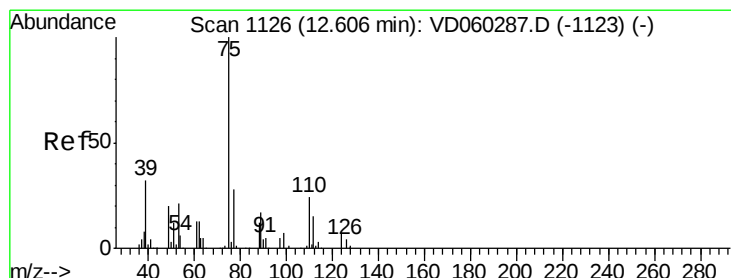
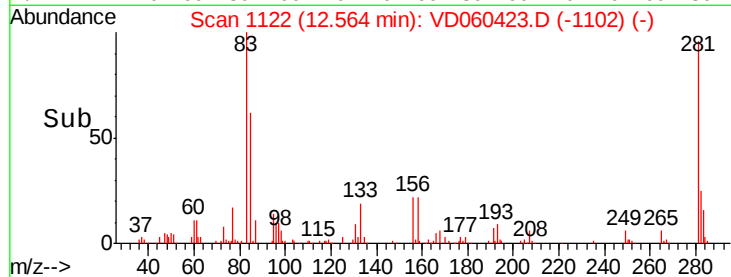
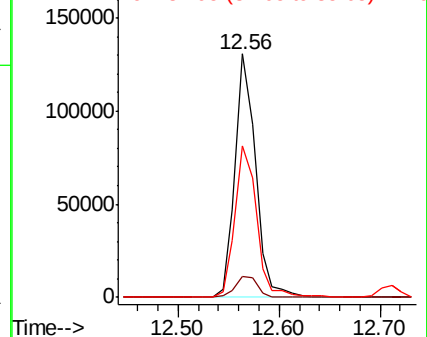
83 100

131 8.7 3.9 11.5

85 62.2 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.349 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD060423.D

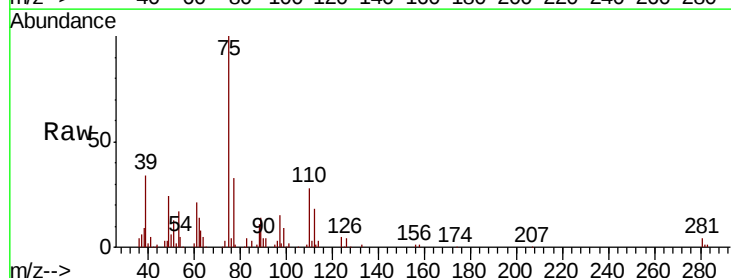
Acq: 20 Nov 2018 12:29

Tgt Ion: 75 Resp: 187993

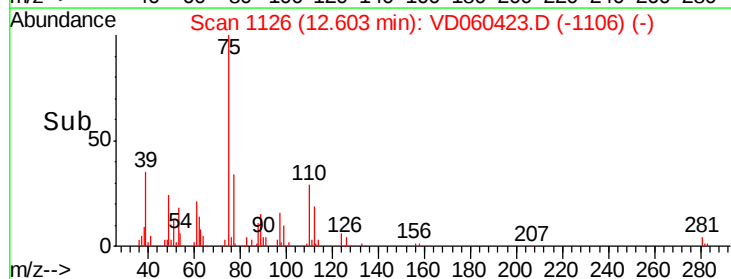
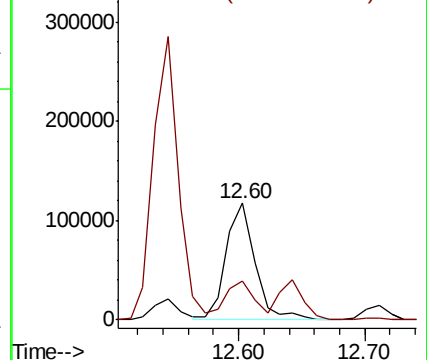
Ion Ratio Lower Upper

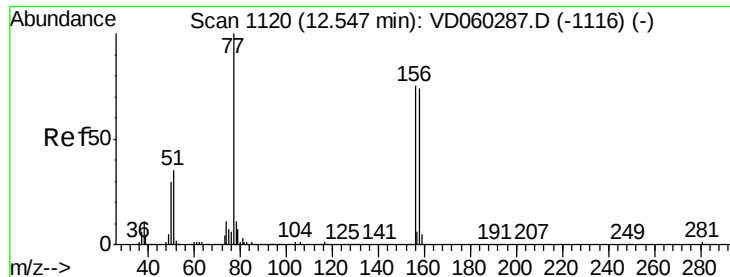
75 100

77 32.8 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.756 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBSD01

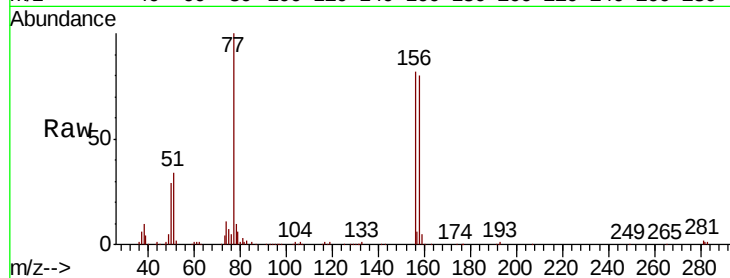
Tot Ion:156 Resp: 309928

Ion Ratio Lower Upper

156 100

77 122.4 61.2 183.6

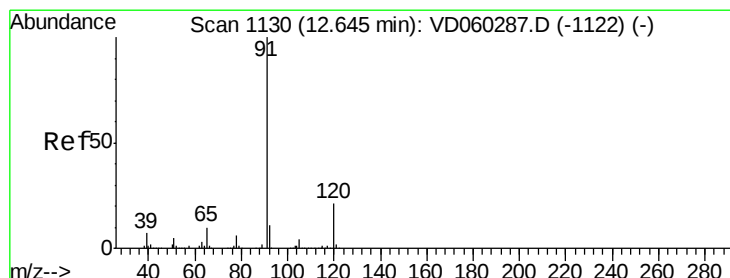
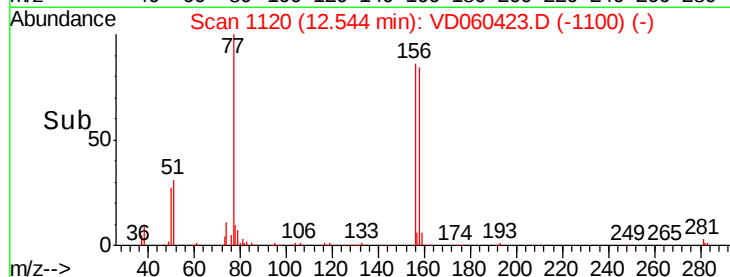
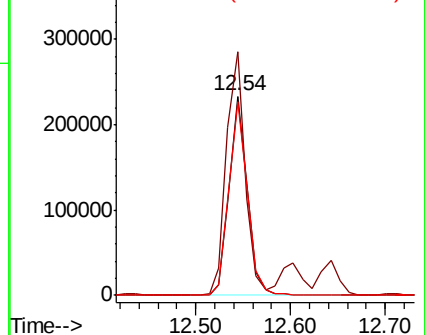
158 97.5 49.2 147.6



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: 23.129 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VD060423.D

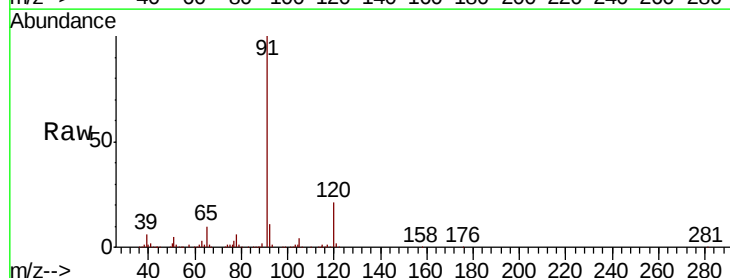
Acq: 20 Nov 2018 12:29

Tgt Ion: 91 Resp: 1548284

Ion Ratio Lower Upper

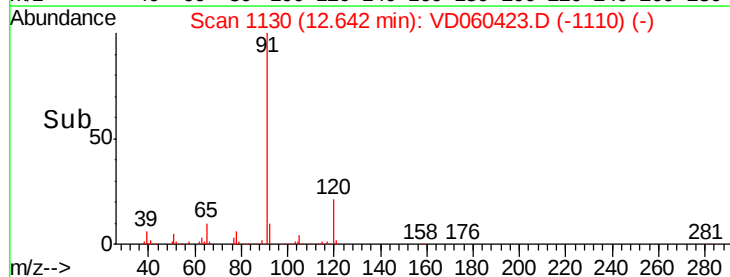
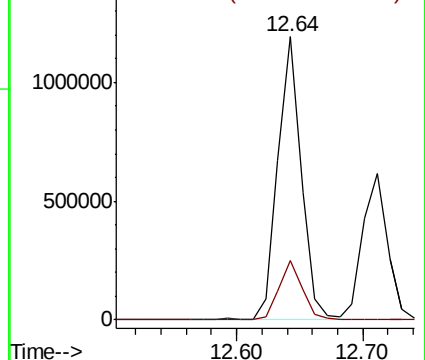
91 100

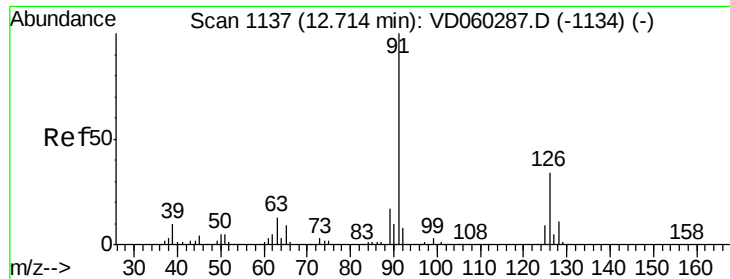
120 20.8 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.853 ug/l

RT: 12.71 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

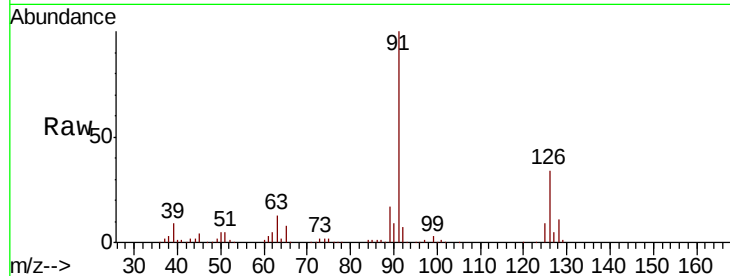
VD1120SBSD01

Tot Ion: 91 Resp: 837872

Ion Ratio Lower Upper

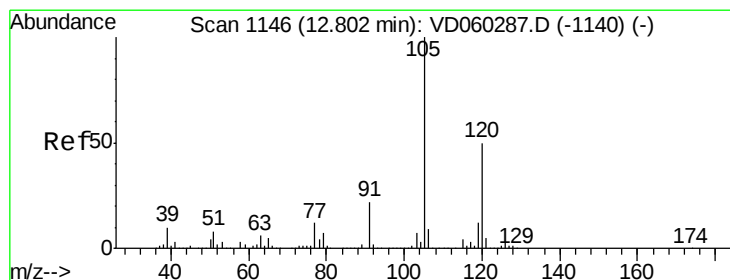
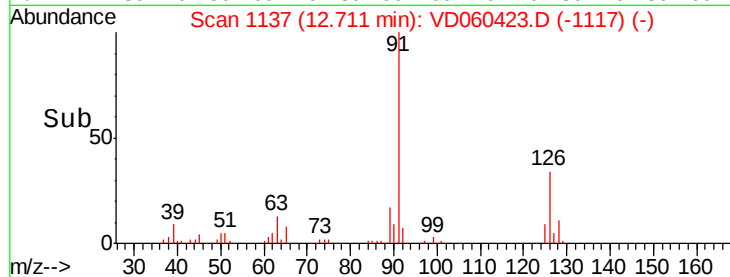
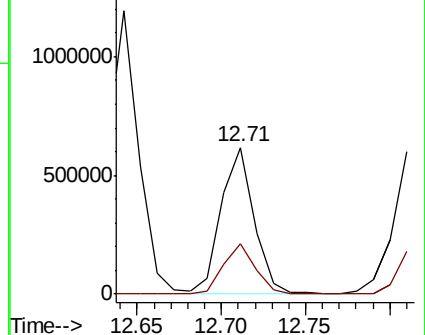
91 100

126 34.4 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.934 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060423.D

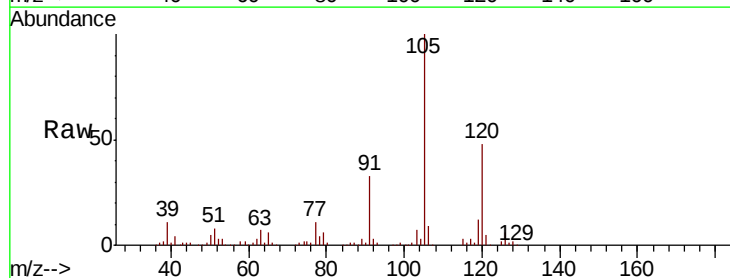
Acq: 20 Nov 2018 12:29

Tgt Ion:105 Resp: 955890

Ion Ratio Lower Upper

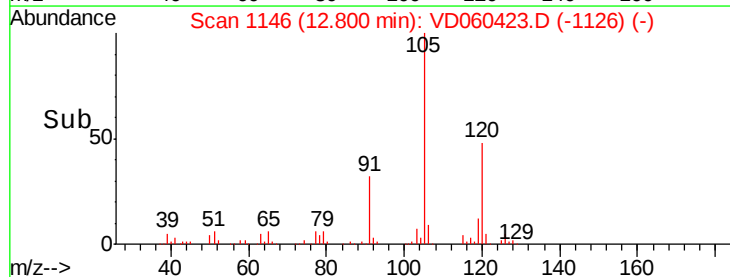
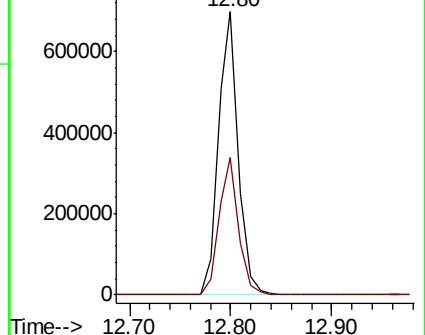
105 100

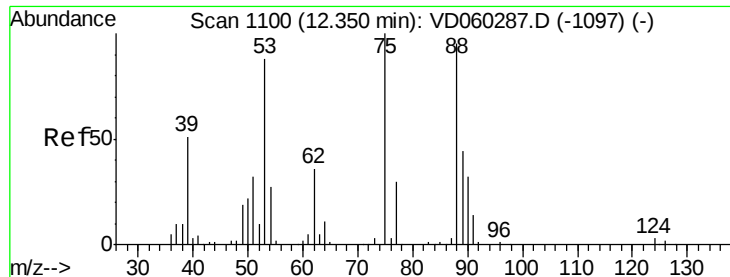
120 48.4 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.426 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBSD01

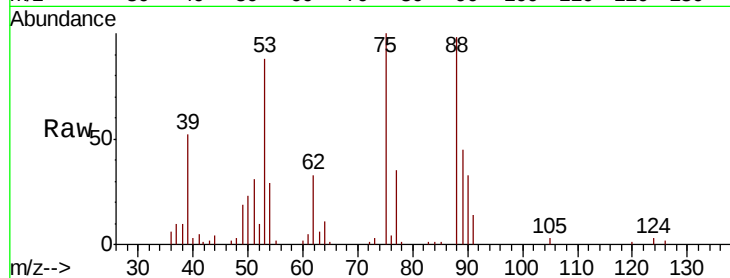
Tot Ion: 75 Resp: 53714

Ion Ratio Lower Upper

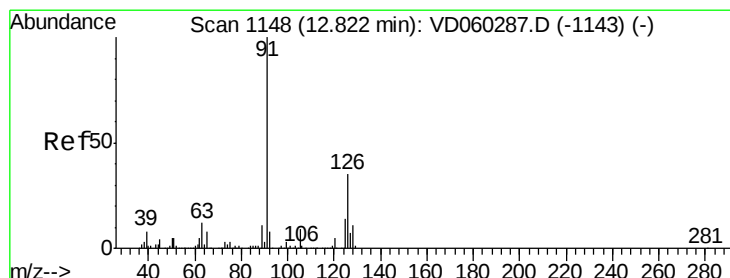
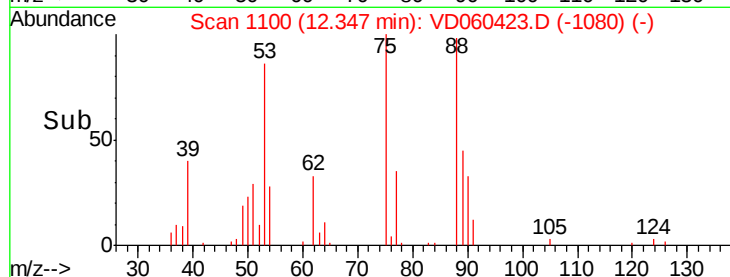
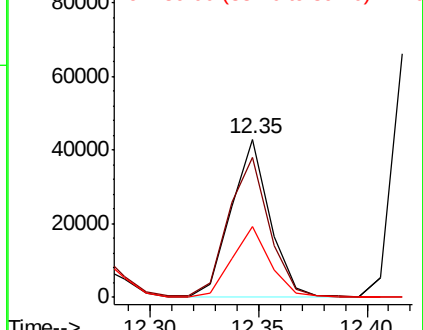
75 100

53 88.1 68.6 103.0

89 44.9 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: 23.018 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060423.D

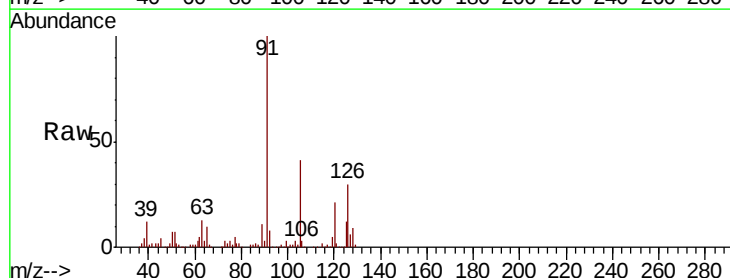
Acq: 20 Nov 2018 12:29

Tgt Ion: 91 Resp: 948007

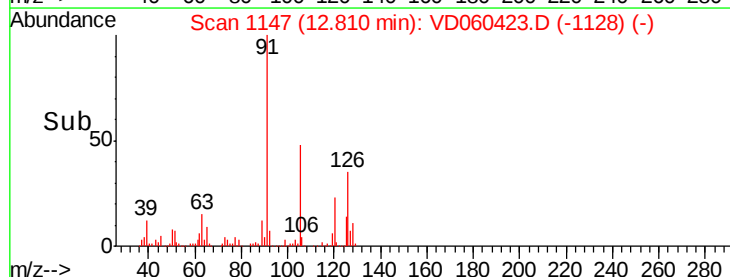
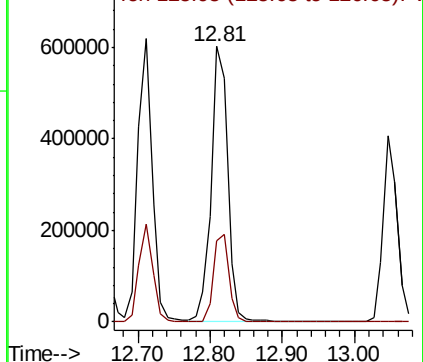
Ion Ratio Lower Upper

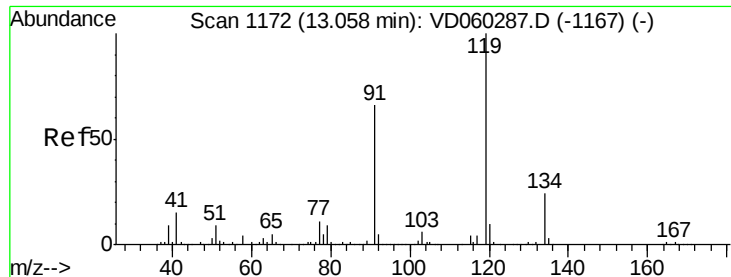
91 100

126 29.6 14.8 44.4



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

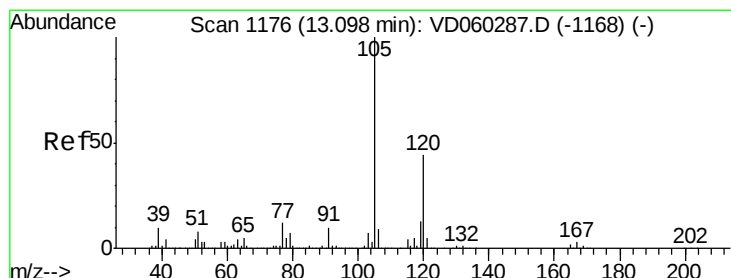
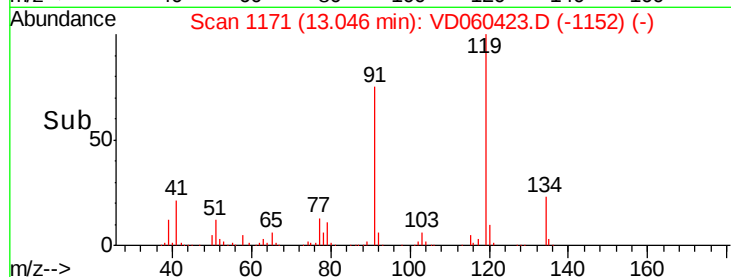
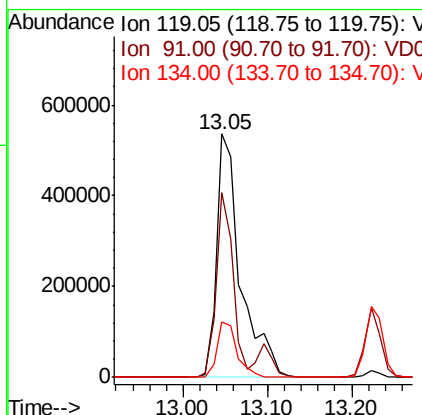
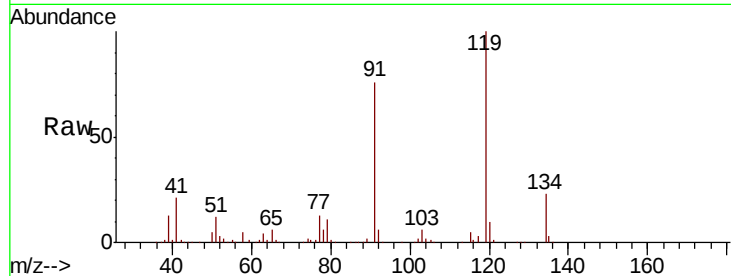




#83
tert-Butylbenzene
Concen: 22.904 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

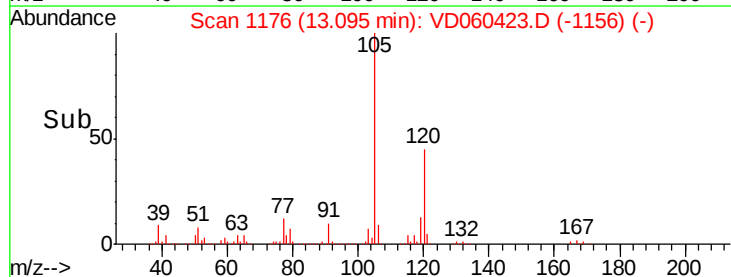
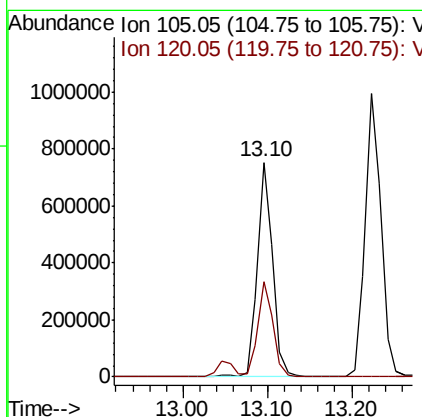
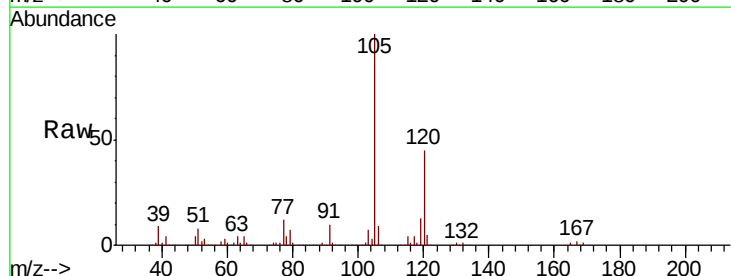
Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

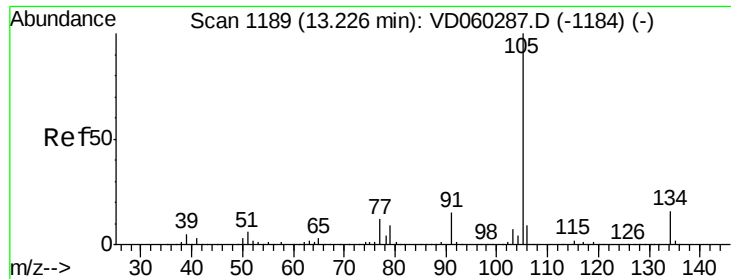
Tot Ion:119 Resp: 1059823
Ion Ratio Lower Upper
119 100
91 76.1 32.7 98.1
134 22.6 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 23.228 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion:105 Resp: 966878
Ion Ratio Lower Upper
105 100
120 44.6 21.9 65.8





#85

sec-Butylbenzene

Concen: 23.033 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

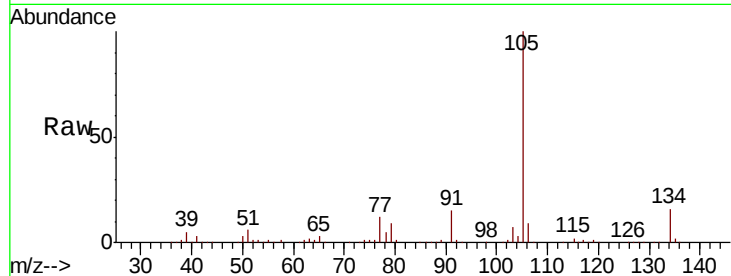
VD1120SBS01

Tot Ion:105 Resp: 1307620

Ion Ratio Lower Upper

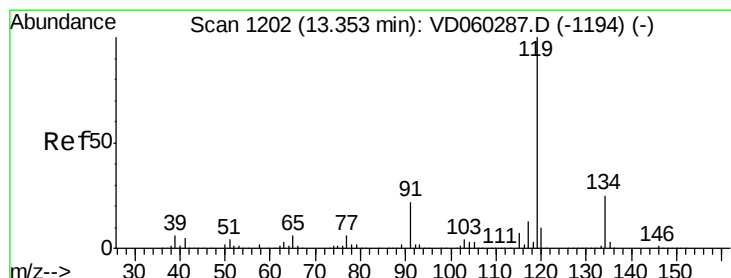
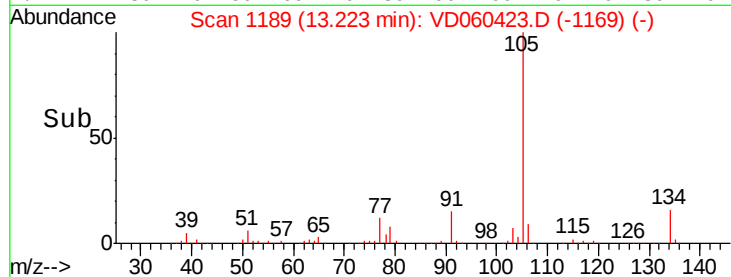
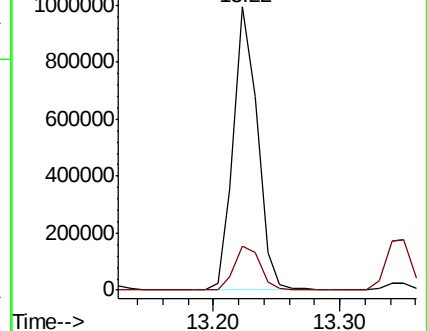
105 100

134 15.8 8.0 24.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 23.130 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD060423.D

Acq: 20 Nov 2018 12:29

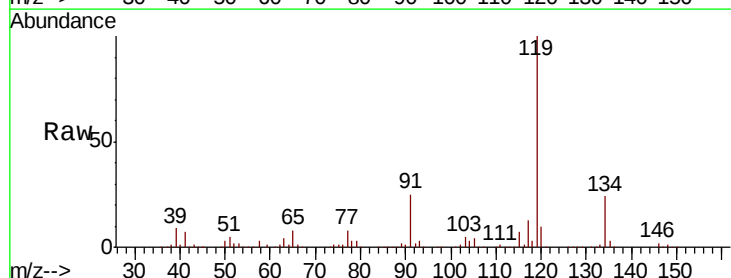
Tgt Ion:119 Resp: 1057485

Ion Ratio Lower Upper

119 100

134 23.7 12.9 38.6

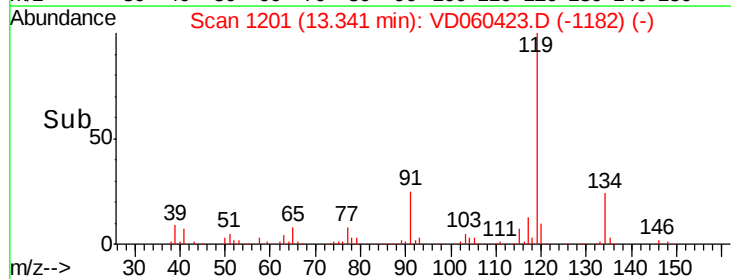
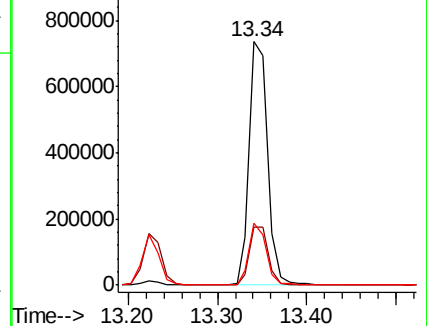
91 25.3 11.3 33.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

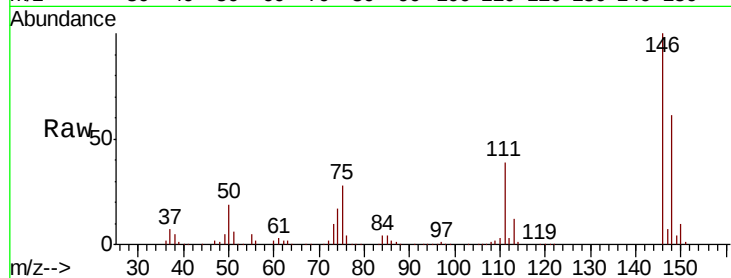




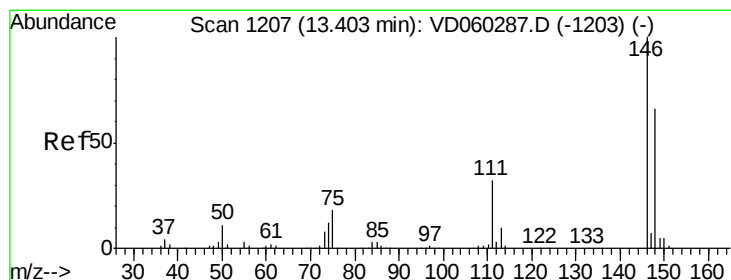
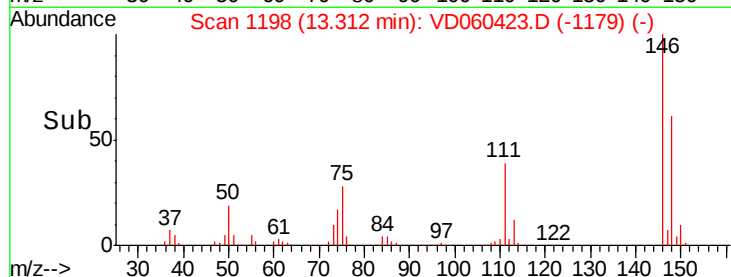
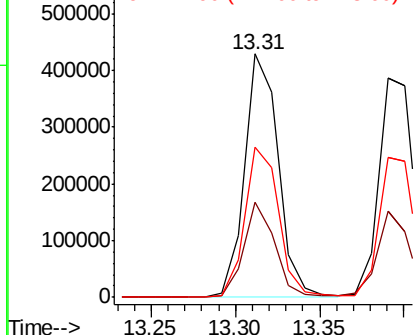
#87
 1,3-Dichlorobenzene
 Concen: 23.430 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060423.D
 Acq: 20 Nov 2018 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBSD01

Tot Ion:146 Resp: 593844
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.2 60.5
 148 61.4 32.0 96.0

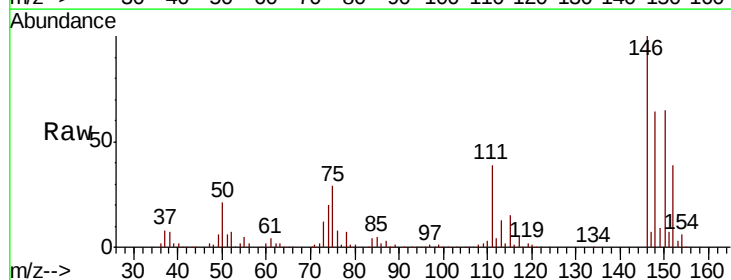


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

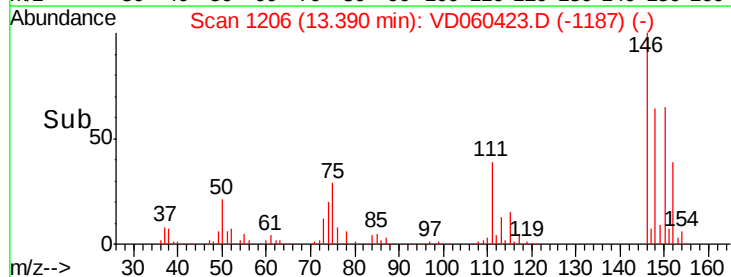
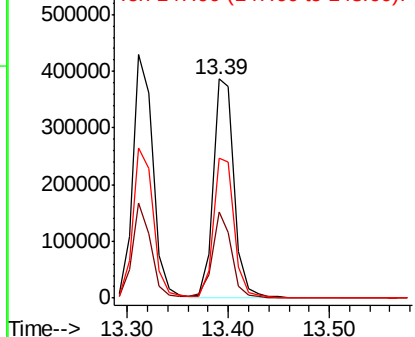


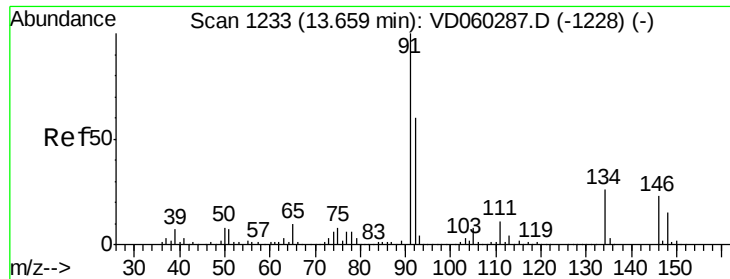
#88
 1,4-Dichlorobenzene
 Concen: 22.668 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060423.D
 Acq: 20 Nov 2018 12:29

Tgt Ion:146 Resp: 561101
 Ion Ratio Lower Upper
 146 100
 111 39.1 16.0 47.9
 148 64.1 32.9 98.7



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

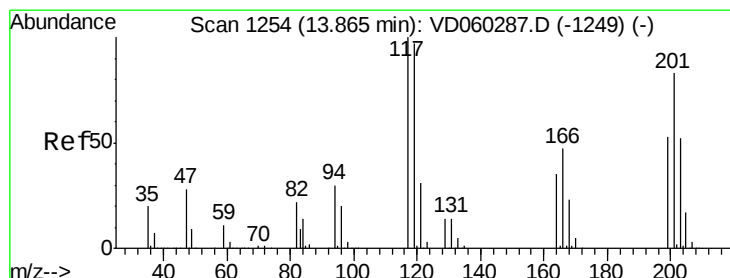
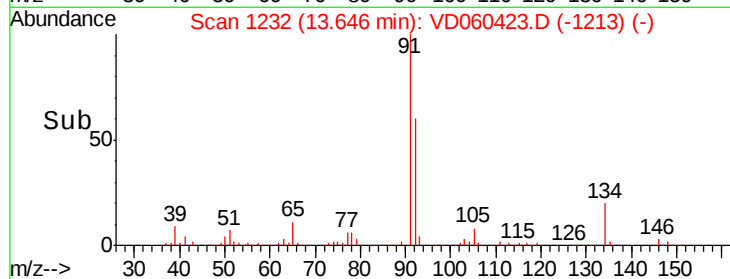
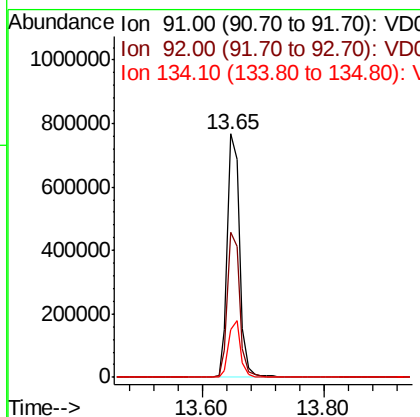
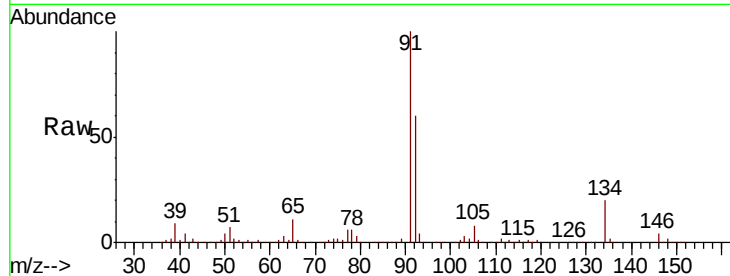




#89
n-Butylbenzene
Concen: 21.697 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

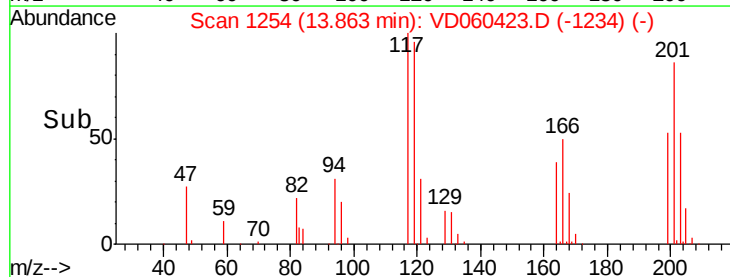
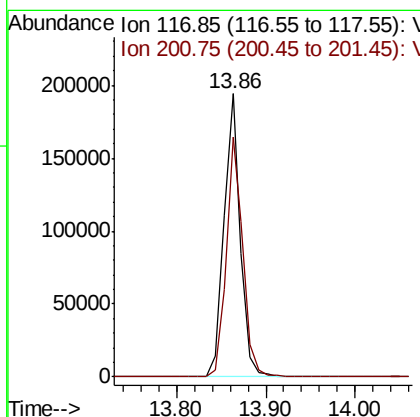
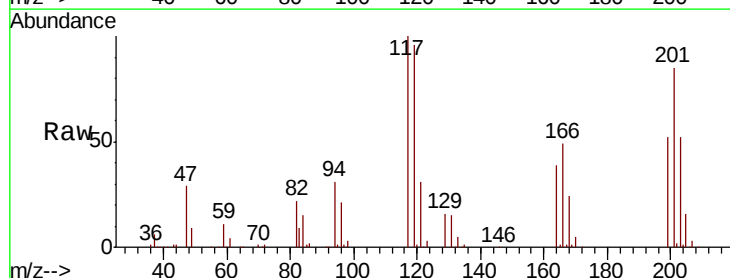
Instrument :
MSVOA_D
ClientSampleId :
VD1120SBSD01

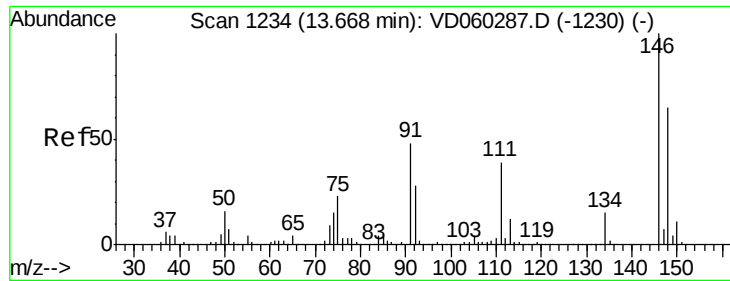
Tot Ion: 91 Resp: 1081377
Ion Ratio Lower Upper
91 100
92 59.7 30.3 90.9
134 19.9 13.0 38.9



#90
Hexachloroethane
Concen: 23.202 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion: 117 Resp: 251528
Ion Ratio Lower Upper
117 100
201 84.7 40.1 120.3

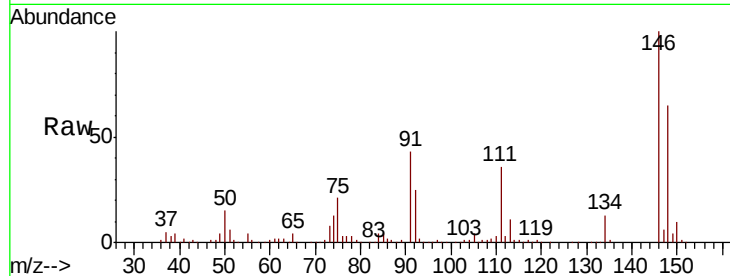




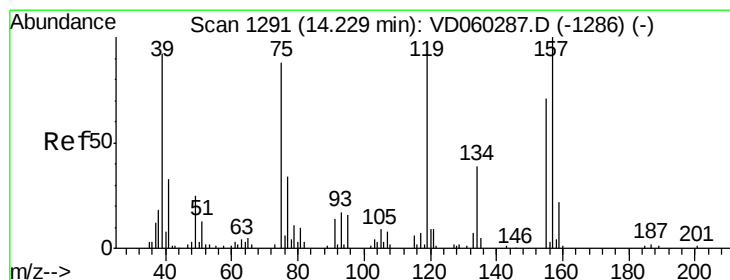
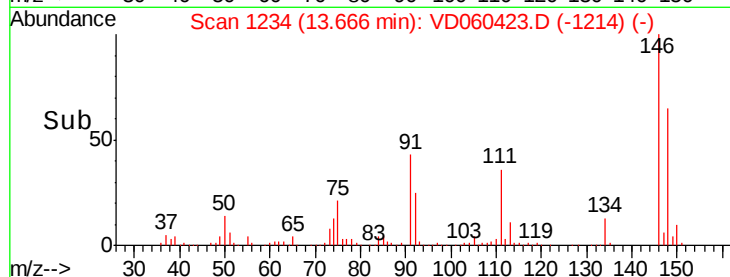
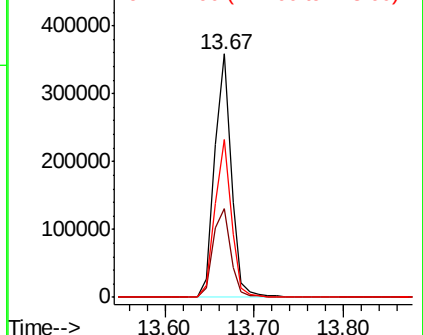
#91
 1,2-Dichlorobenzene
 Concen: 22.700 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: VD060423.D
 Acq: 20 Nov 2018 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBSD01

Tot Ion:146 Resp: 472565
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.9 56.9
 148 64.8 31.6 94.8

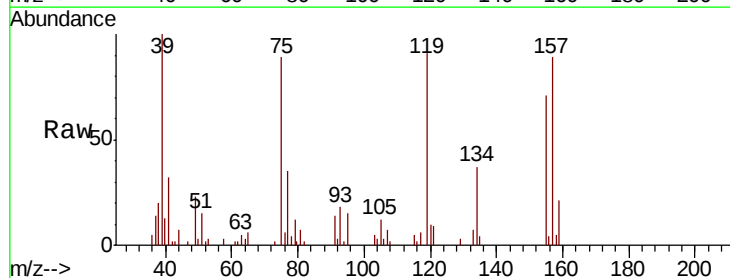


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

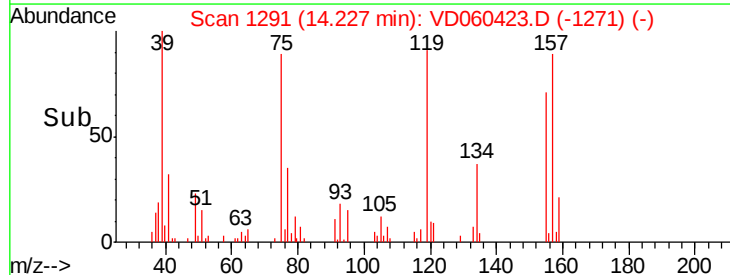
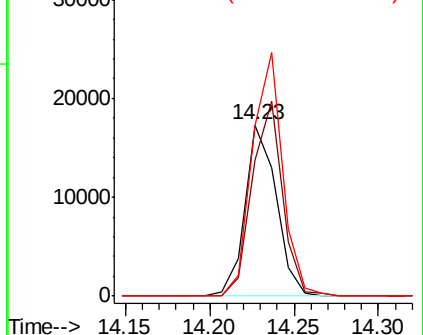


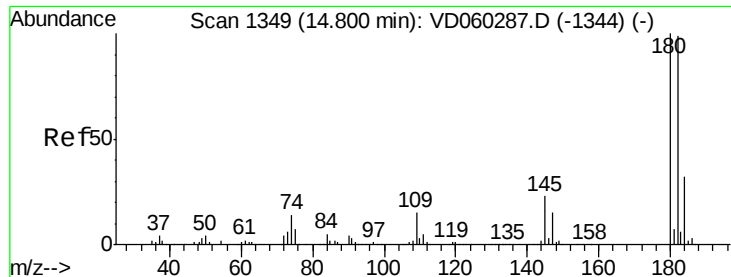
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.016 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD060423.D
 Acq: 20 Nov 2018 12:29

Tgt Ion: 75 Resp: 22251
 Ion Ratio Lower Upper
 75 100
 155 79.6 64.3 192.9
 157 100.0 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

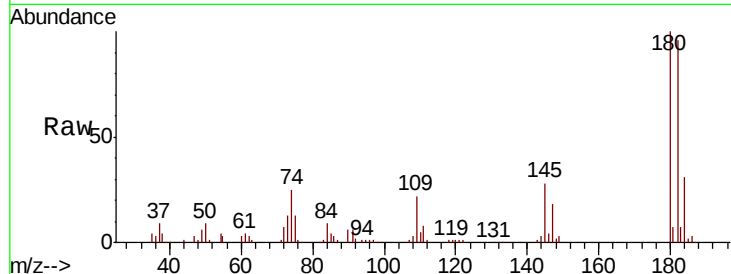




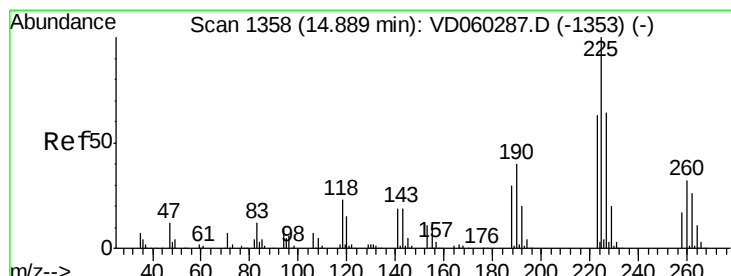
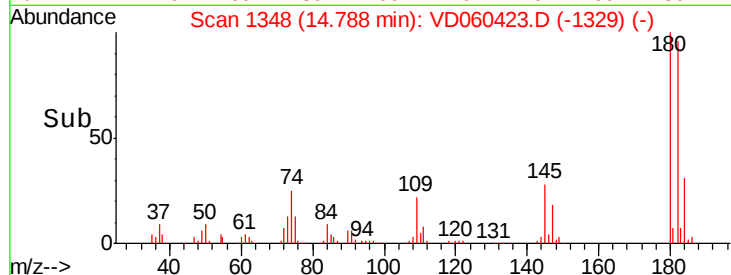
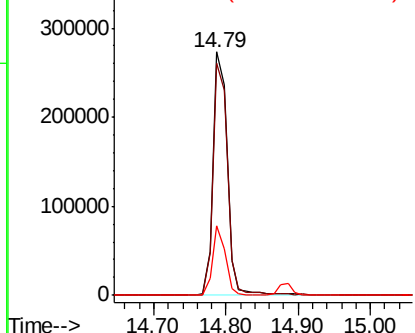
#93
 1,2,4-Trichlorobenzene
 Concen: 22.580 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060423.D
 Acq: 20 Nov 2018 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.1	144.4
145	28.4	11.5	34.4

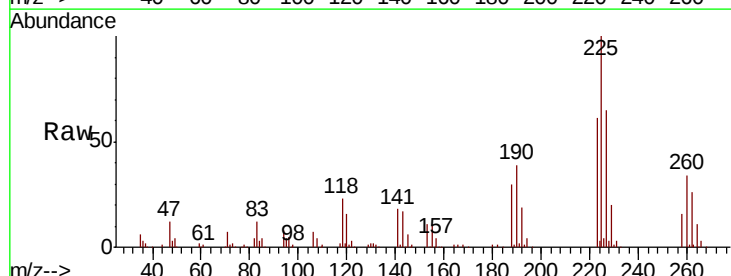


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

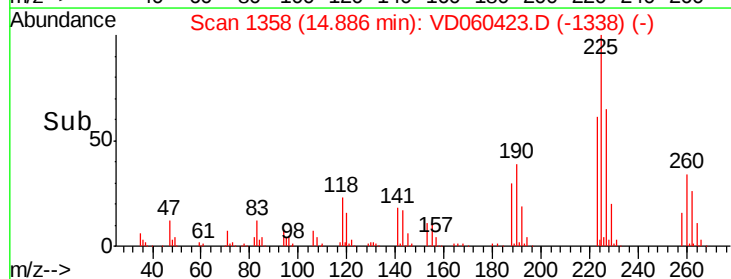
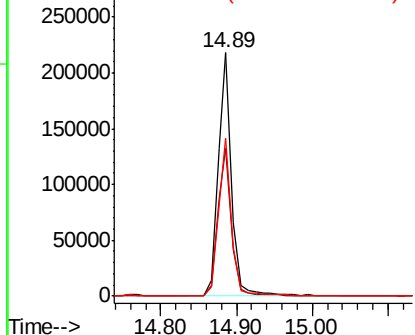


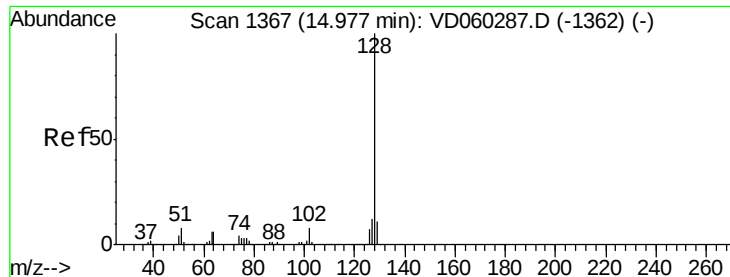
#94
 Hexachlorobutadiene
 Concen: 22.236 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD060423.D
 Acq: 20 Nov 2018 12:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.6	94.8
227	64.9	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

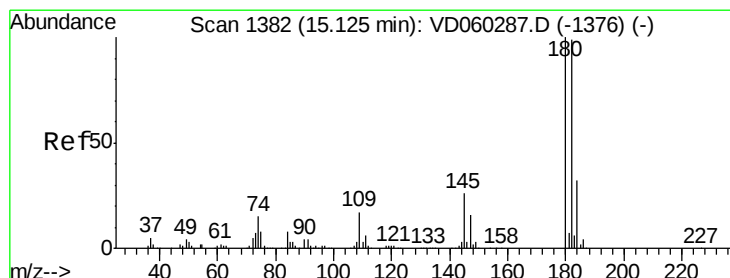
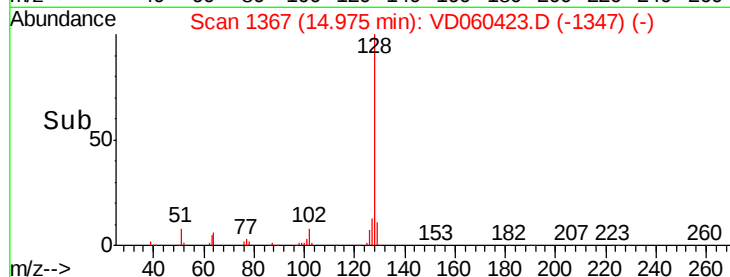
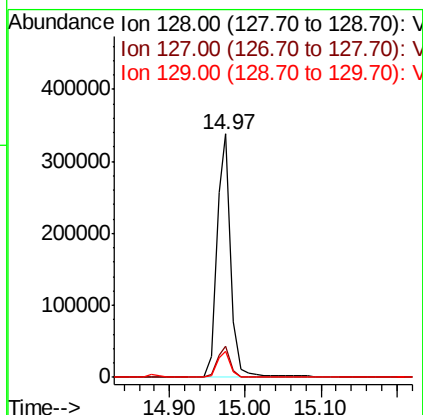
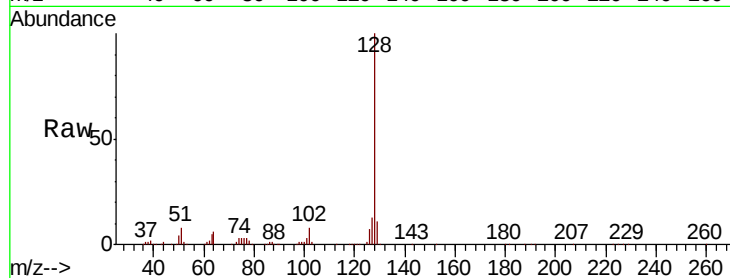




#95
Naphthalene
Concen: 21.823 ug/l
RT: 14.97 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBSD01

Tot Ion:128 Resp: 439830
Ion Ratio Lower Upper
128 100
127 12.8 9.6 14.4
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 22.423 ug/l
RT: 15.12 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VD060423.D
Acq: 20 Nov 2018 12:29

Tgt Ion:180 Resp: 296580
Ion Ratio Lower Upper
180 100
182 98.6 48.9 146.7
145 24.4 12.9 38.6

