

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092818\
 Data File : VD060094.D
 Acq On : 28 Sep 2018 13:38
 Operator : VA/AP
 Sample : VD0928SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Quant Time: Sep 28 23:15:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1528028	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2089475	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1673622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	906094	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	646334	54.24	ug/l	0.02
Spiked Amount	50.000		Recovery	=	108.48%	
35) Dibromofluoromethane	6.32	113	877250	53.74	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.48%	
50) Toluene-d8	9.46	98	2475766	54.72	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.44%	
62) 4-Bromofluorobenzene	12.43	95	943455	54.59	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	290248	17.995	ug/l	98
3) Chloromethane	1.74	50	318261	22.338	ug/l	99
4) Vinyl Chloride	1.84	62	246669	21.536	ug/l	99
5) Bromomethane	2.13	94	24745	18.252	ug/l	97
6) Chloroethane	2.23	64	61155	23.883	ug/l	95
7) Trichlorofluoromethane	2.49	101	296790	23.536	ug/l	99
8) Diethyl Ether	2.82	74	62663	23.377	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	192747	24.240	ug/l	98
10) Methyl Iodide	3.23	142	173176	20.563	ug/l	93
11) Tert butyl alcohol	3.97	59	80399	83.617	ug/l	98
12) 1,1-Dichloroethene	3.06	96	152435	24.245	ug/l	88
13) Acrolein	2.97	56	43545	73.132	ug/l	88
14) Allyl chloride	3.52	41	308994	23.304	ug/l	97
15) Acrylonitrile	4.07	53	384958	106.066	ug/l	99
16) Acetone	3.15	43	301621	131.103	ug/l	99
17) Carbon Disulfide	3.30	76	468786	21.640	ug/l	100
18) Methyl Acetate	3.54	43	100844	21.553	ug/l	100
19) Methyl tert-butyl Ether	4.11	73	614235	21.144	ug/l	98
20) Methylene Chloride	3.70	84	412205	21.000	ug/l	98
21) trans-1,2-Dichloroethene	4.08	96	353394	21.419	ug/l	95
22) Diisopropyl ether	4.84	45	1314504	21.734	ug/l	96
23) Vinyl Acetate	4.79	43	3748235	109.392	ug/l	100
24) 1,1-Dichloroethane	4.74	63	594351	21.898	ug/l	100
25) 2-Butanone	5.61	43	742095	119.534	ug/l	97
26) 2,2-Dichloropropane	5.58	77	464056	21.992	ug/l	98
27) cis-1,2-Dichloroethene	5.59	96	375826	21.777	ug/l	100
28) Bromochloromethane	5.92	49	271293	20.794	ug/l	93
29) Tetrahydrofuran	5.94	42	325162	97.664	ug/l	100
30) Chloroform	6.09	83	608360	22.102	ug/l	97
31) Cyclohexane	6.36	56	542278	20.491	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	498551	21.839	ug/l	98
36) 1,1-Dichloropropene	6.52	75	454332	21.890	ug/l	96
37) Ethyl Acetate	5.69	43	297867	20.869	ug/l	99
38) Carbon Tetrachloride	6.50	117	415624	21.451	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092818\
 Data File : VD060094.D
 Acq On : 28 Sep 2018 13:38
 Operator : VA/AP
 Sample : VD0928SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Quant Time: Sep 28 23:15:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	519951	22.145	ug/l	99
40) Benzene	6.79	78	1173859	22.190	ug/l	100
41) Methacrylonitrile	5.94	41	331119	44.293	ug/l #	83
42) 1,2-Dichloroethane	6.89	62	331552	20.873	ug/l	100
43) Isopropyl Acetate	8.35	43	382466	20.013	ug/l	99
44) Trichloroethene	7.74	130	365772	22.379	ug/l	100
45) 1,2-Dichloropropane	8.10	63	315060	22.273	ug/l	99
46) Dibromomethane	8.22	93	195695	21.203	ug/l	92
47) Bromodichloromethane	8.48	83	434173	21.819	ug/l	97
48) Methyl methacrylate	8.25	41	225059	21.145	ug/l	98
49) 1,4-Dioxane	8.23	88	41558	393.118	ug/l	97
51) 4-Methyl-2-Pentanone	9.34	43	1558181	112.022	ug/l	100
52) Toluene	9.55	92	770831	22.732	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	385728	20.784	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	487050	21.964	ug/l	98
55) 1,1,2-Trichloroethane	10.19	97	250640	21.289	ug/l	97
56) Ethyl methacrylate	10.03	69	269872	20.666	ug/l	99
57) 1,3-Dichloropropane	10.38	76	384811	22.143	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	691487	109.657	ug/l	97
59) 2-Hexanone	10.49	43	1128853	112.838	ug/l	98
60) Dibromochloromethane	10.64	129	300976	21.004	ug/l	98
61) 1,2-Dibromoethane	10.76	107	255015	20.979	ug/l	99
64) Tetrachloroethene	10.26	164	328773	22.265	ug/l	98
65) Chlorobenzene	11.32	112	830526	23.082	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	285555	23.529	ug/l	99
67) Ethyl Benzene	11.43	91	1400853	24.192	ug/l	98
68) m/p-Xylenes	11.56	106	1063632	49.736	ug/l	95
69) o-Xylene	11.94	106	497982	23.501	ug/l	95
70) Styrene	11.96	104	831460	23.336	ug/l	98
71) Bromoform	12.11	173	214535	20.575	ug/l	97
73) Isopropylbenzene	12.27	105	1390179	23.394	ug/l	99
74) N-amyl acetate	12.13	43	493382	20.960	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	286261	21.234	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	281397	20.334	ug/l	99
77) Bromobenzene	12.54	156	385531	22.522	ug/l	92
78) n-propylbenzene	12.64	91	1730873	23.162	ug/l	97
79) 2-Chlorotoluene	12.71	91	940204	22.291	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	1112130	24.417	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	83213	19.920	ug/l	98
82) 4-Chlorotoluene	12.81	91	1110739	23.953	ug/l	92
83) tert-Butylbenzene	13.05	119	1250914	23.706	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1138713	23.427	ug/l	99
85) sec-Butylbenzene	13.22	105	1496608	23.893	ug/l	99
86) p-Isopropyltoluene	13.35	119	1179654	23.285	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	683321	22.955	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	680558	22.540	ug/l	98
89) n-Butylbenzene	13.65	91	1231032	22.843	ug/l	99
90) Hexachloroethane	13.86	117	275946	21.991	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	595884	21.827	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.23	75	37934	18.458	ug/l #	42

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092818\
Data File : VD060094.D
Acq On : 28 Sep 2018 13:38
Operator : VA/AP
Sample : VD0928SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Quant Time: Sep 28 23:15:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

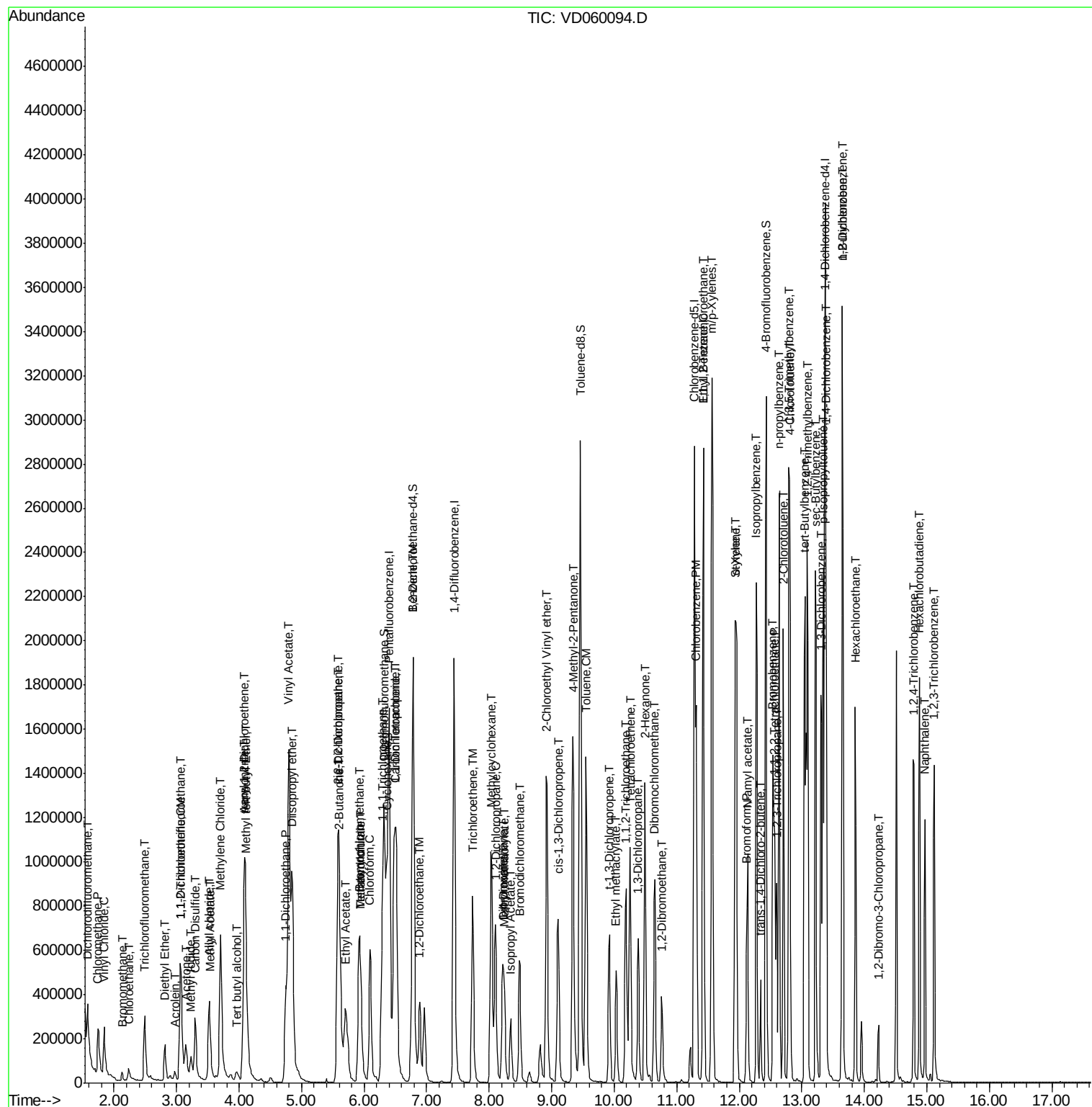
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	465222	21.931	ug/l	100
94) Hexachlorobutadiene	14.88	225	316558	22.559	ug/l	99
95) Naphthalene	14.97	128	700044	21.368	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	408708	21.863	ug/l	99

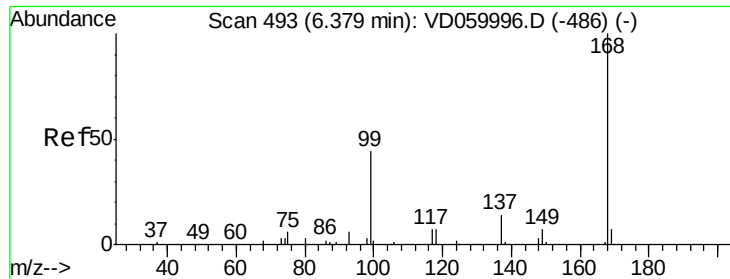
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092818\
 Data File : VD060094.D
 Acq On : 28 Sep 2018 13:38
 Operator : VA/AP
 Sample : VD0928SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Quant Time: Sep 28 23:15:32 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

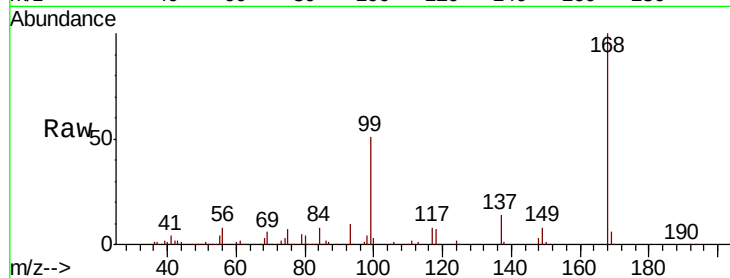
VD0928SBS01

Tot Ion:168 Resp: 1528028

Ion Ratio Lower Upper

168 100

99 50.6 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

300000

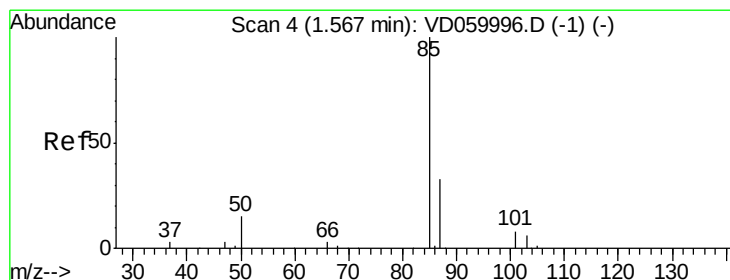
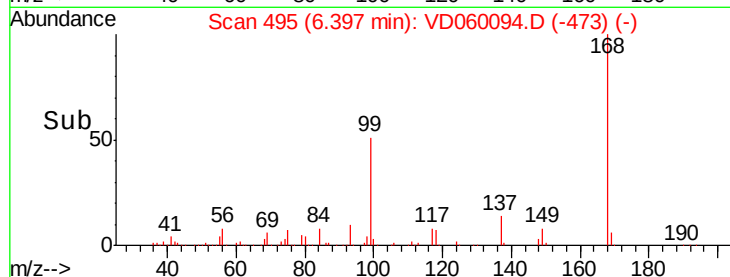
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 17.995 ug/l

RT: 1.58 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060094.D

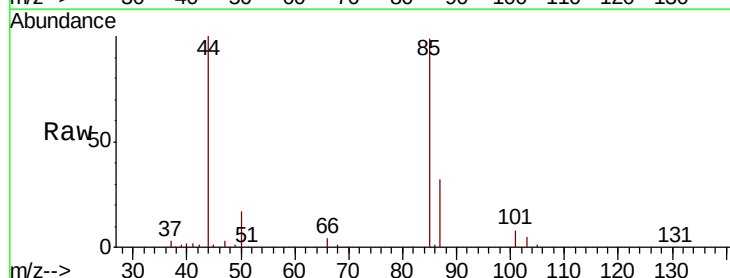
Acq: 28 Sep 2018 13:38

Tgt Ion: 85 Resp: 290248

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

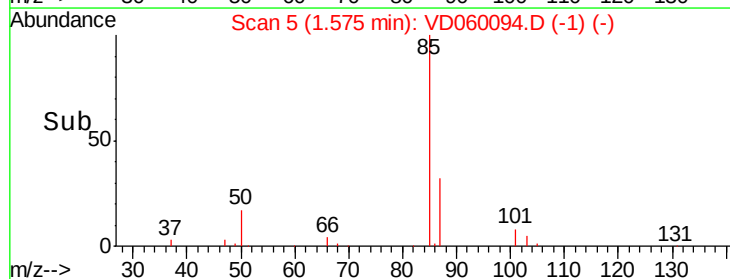
100000

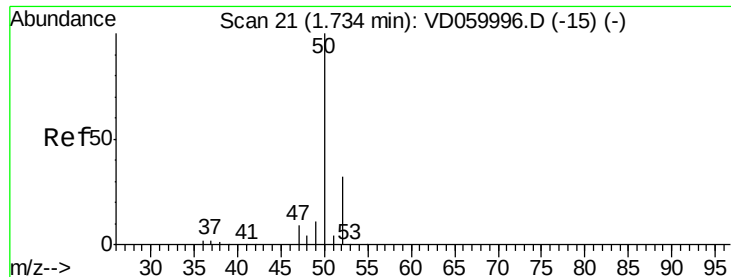
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 22.338 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

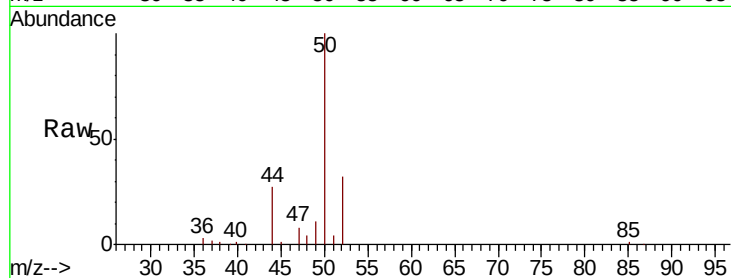
VD0928SBS01

Tot Ion: 50 Resp: 318261

Ion Ratio Lower Upper

50 100

52 32.4 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

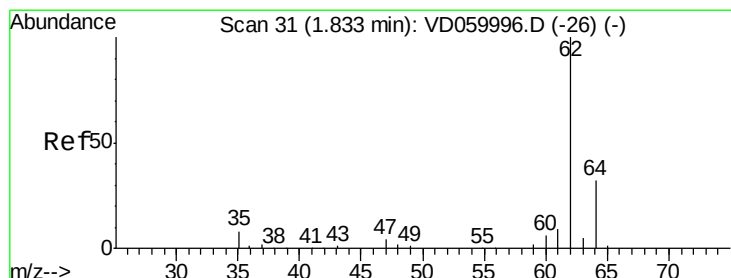
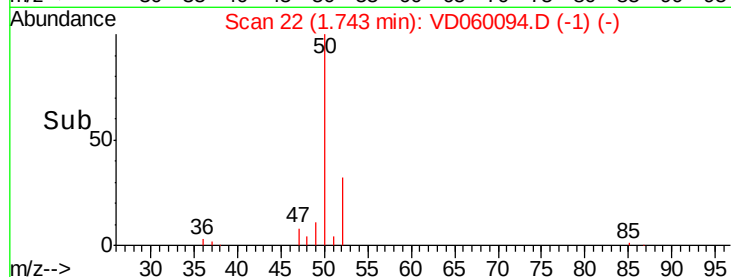
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 21.536 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060094.D

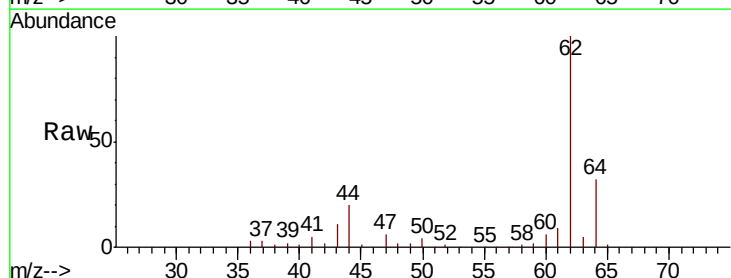
Acq: 28 Sep 2018 13:38

Tgt Ion: 62 Resp: 246669

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

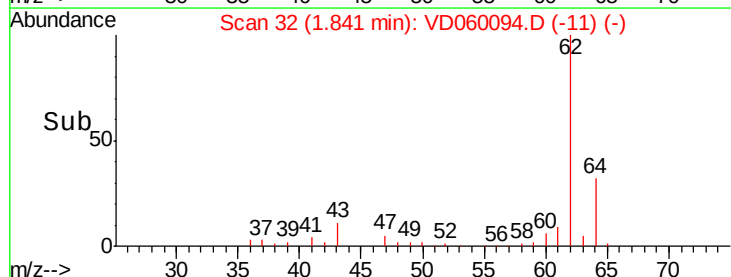
1.84

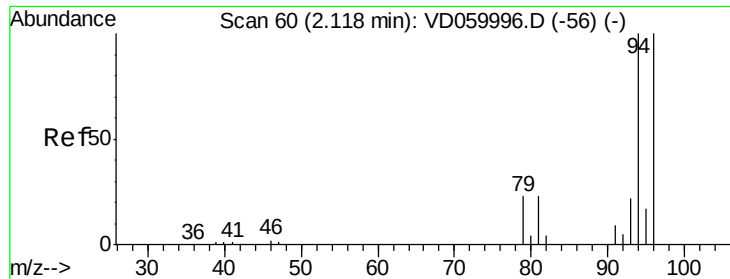
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.252 ug/l

RT: 2.13 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

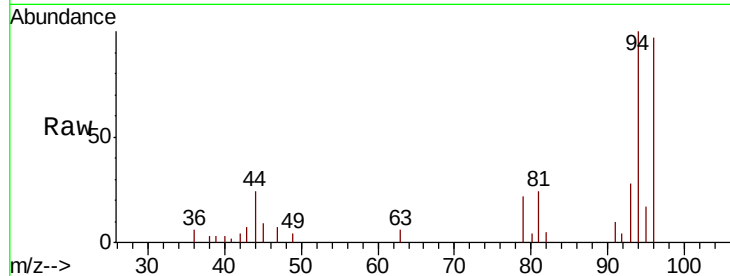
VD0928SBS01

Tot Ion: 94 Resp: 24745

Ion Ratio Lower Upper

94 100

96 96.6 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.13

15000

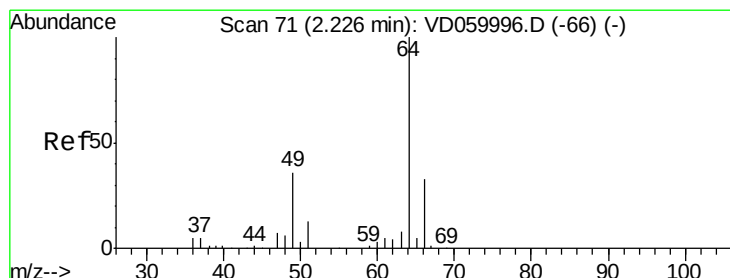
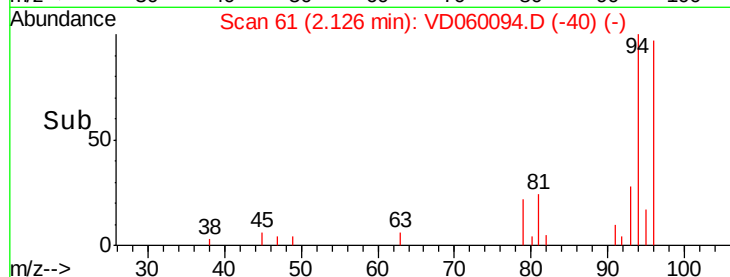
10000

5000

0

Time-->

2.05 2.10 2.15 2.20 2.25



#6

Chloroethane

Concen: 23.883 ug/l

RT: 2.23 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD060094.D

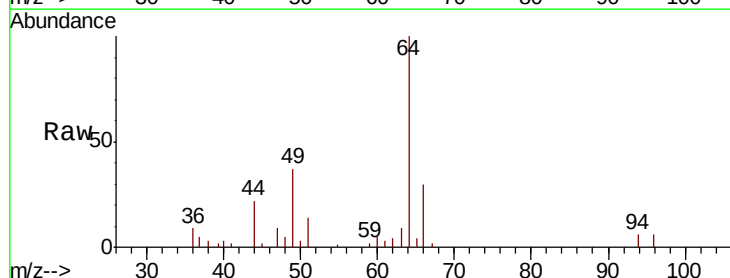
Acq: 28 Sep 2018 13:38

Tgt Ion: 64 Resp: 61155

Ion Ratio Lower Upper

64 100

66 30.5 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.23

25000

20000

15000

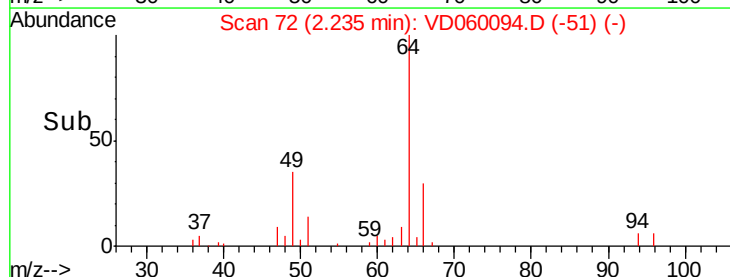
10000

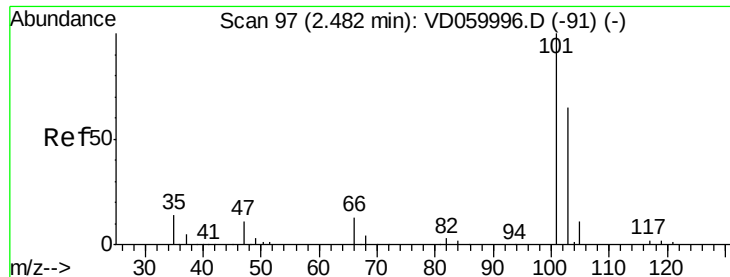
5000

0

Time-->

2.10 2.20 2.30 2.40



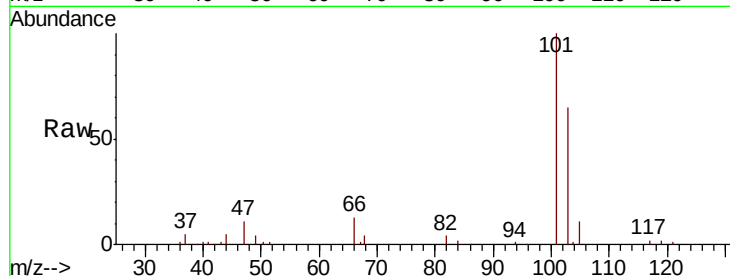


#7

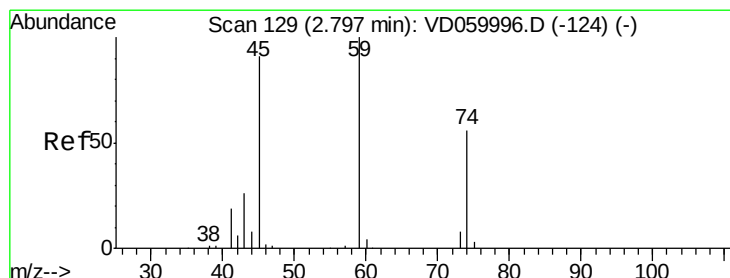
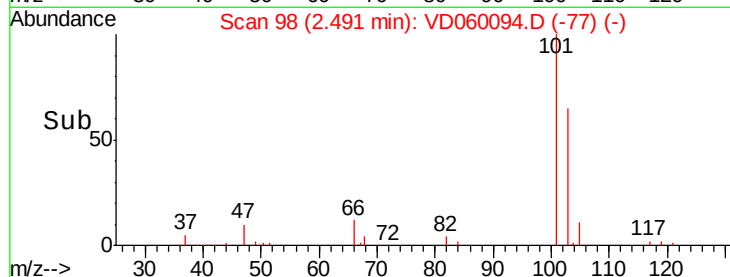
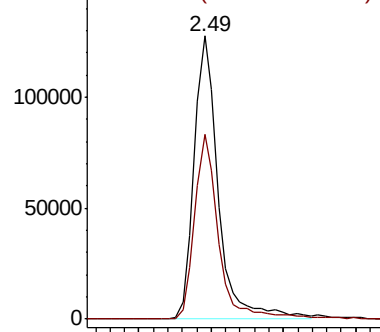
Trichlorofluoromethane
 Concen: 23.536 ug/l
 RT: 2.49 min Scan# 98
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion:101 Resp: 296790
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.6 77.4



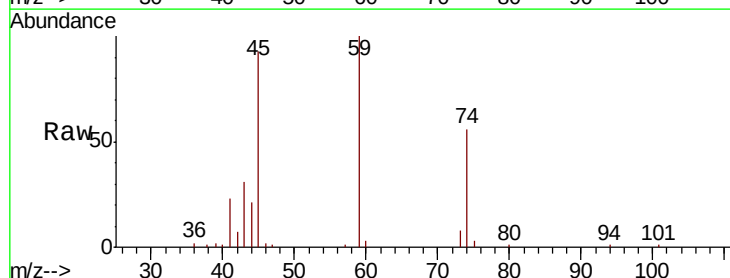
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



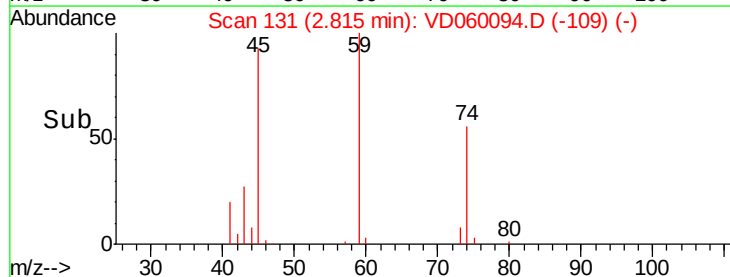
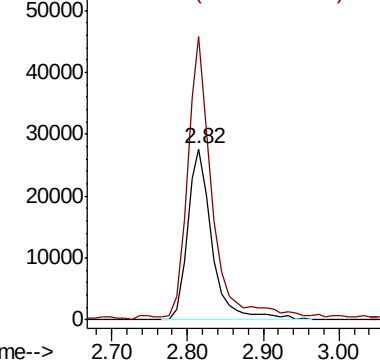
#8

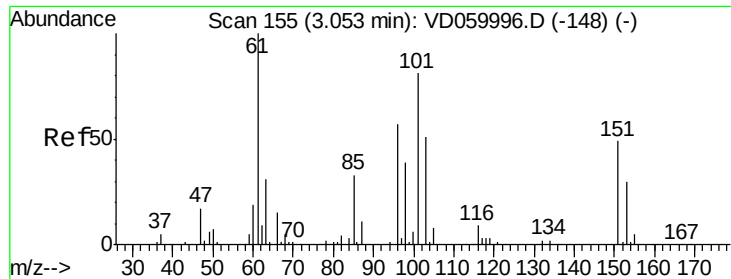
Diethyl Ether
 Concen: 23.377 ug/l
 RT: 2.82 min Scan# 131
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion: 74 Resp: 62663
 Ion Ratio Lower Upper
 74 100
 45 165.2 81.2 243.4



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: 24.240 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

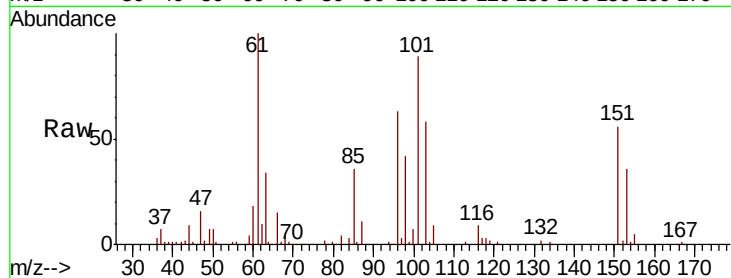
Tot Ion:101 Resp: 192747

Ion Ratio Lower Upper

101 100

85 40.7 33.1 49.7

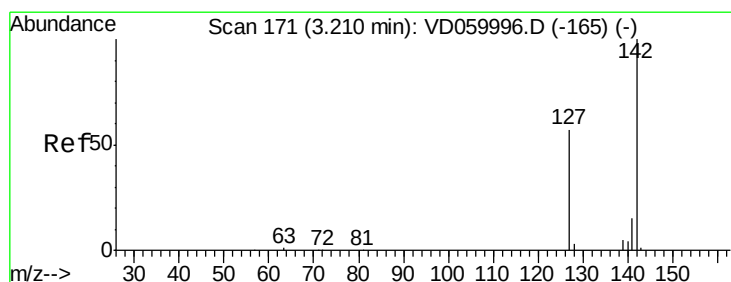
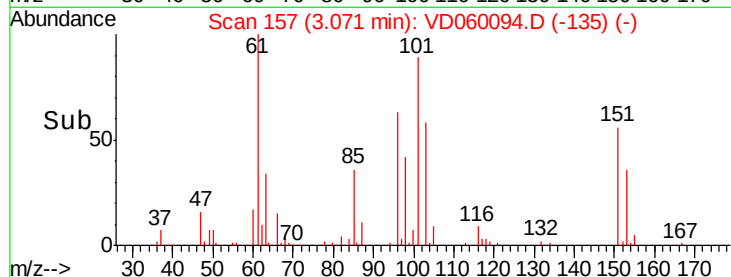
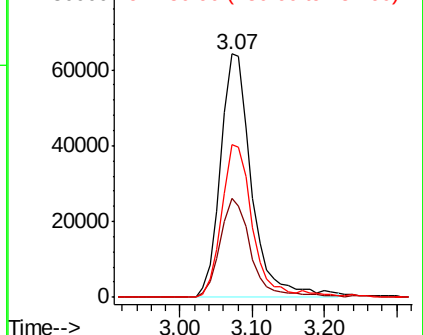
151 62.7 48.2 72.4



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: 20.563 ug/l

RT: 3.23 min Scan# 173

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

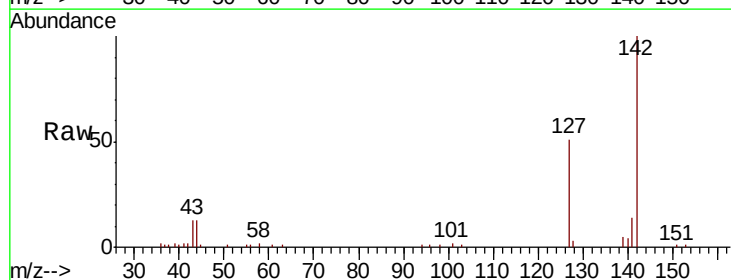
Tgt Ion:142 Resp: 173176

Ion Ratio Lower Upper

142 100

127 51.0 45.8 68.8

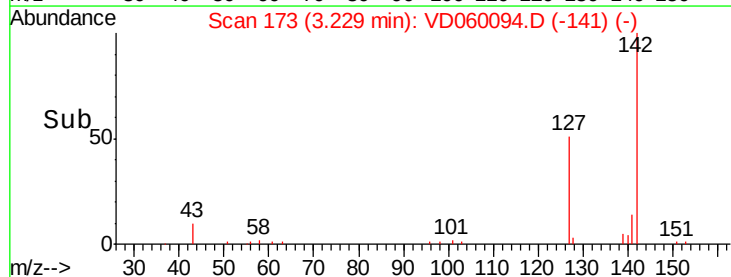
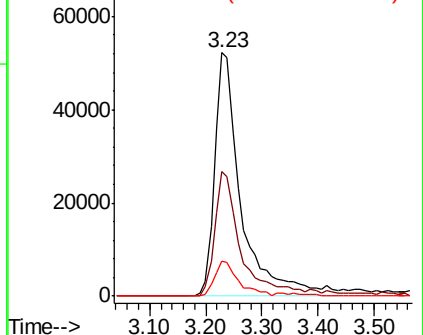
141 14.3 12.2 18.4

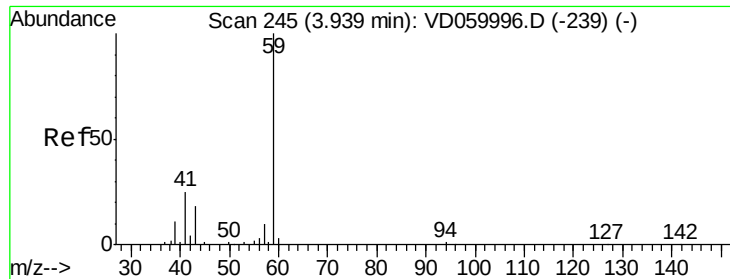


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

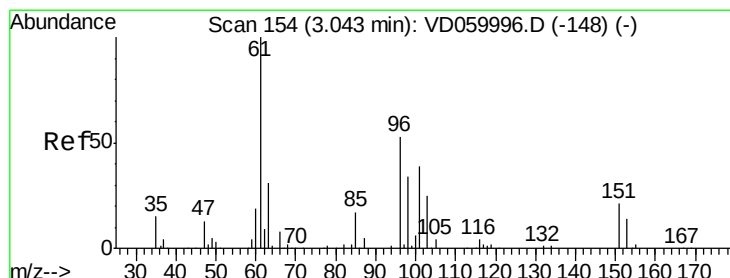
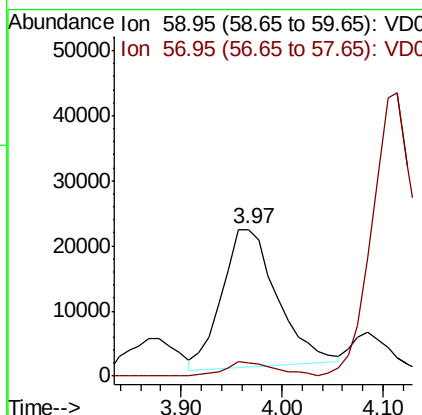
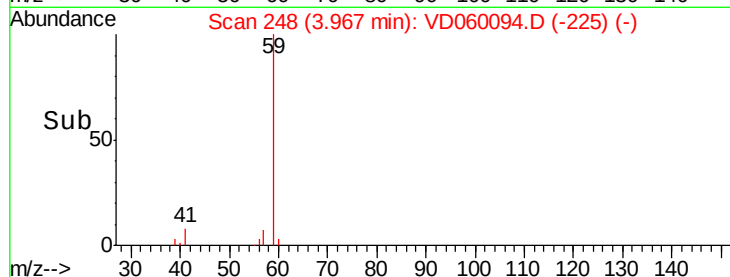
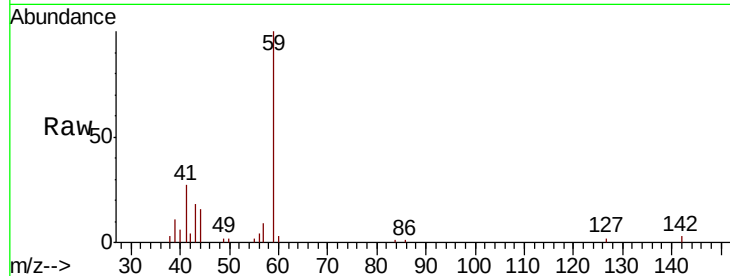




#11
Tert butyl alcohol
Concen: 83.617 ug/l
RT: 3.97 min Scan# 248
Delta R.T. 0.03 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

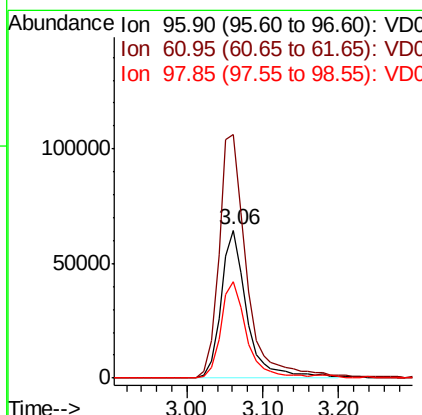
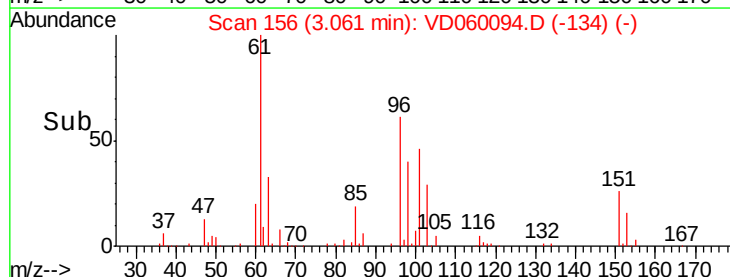
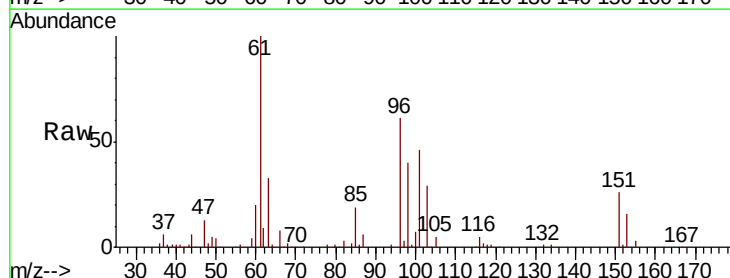
Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

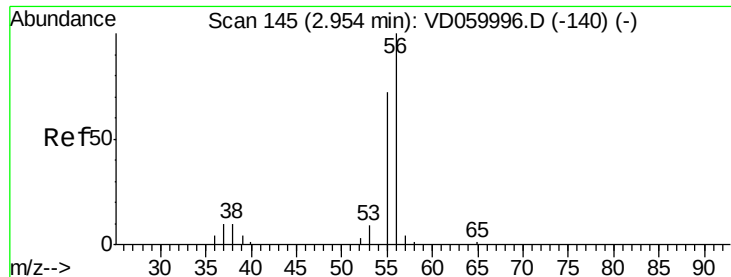
Tot Ion: 59 Resp: 80399
Ion Ratio Lower Upper
59 100
57 8.6 7.4 11.2



#12
1,1-Dichloroethene
Concen: 24.245 ug/l
RT: 3.06 min Scan# 156
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion: 96 Resp: 152435
Ion Ratio Lower Upper
96 100
61 164.6 149.8 224.6
98 65.2 50.2 75.4





#13

Acrolein

Concen: 73.132 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

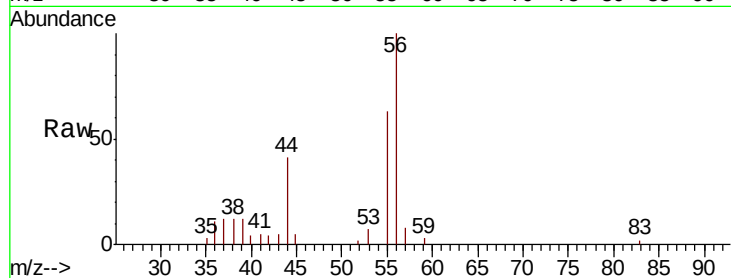
VD0928SBS01

Tot Ion: 56 Resp: 43545

Ion Ratio Lower Upper

56 100

55 62.7 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.97

20000

15000

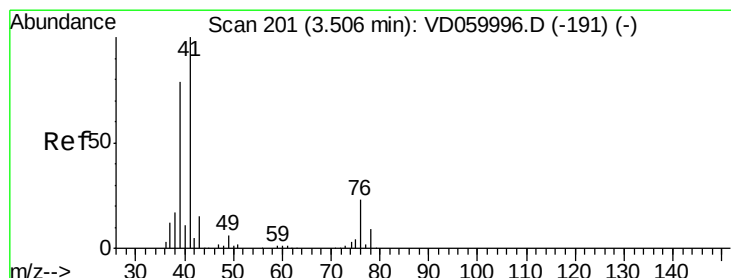
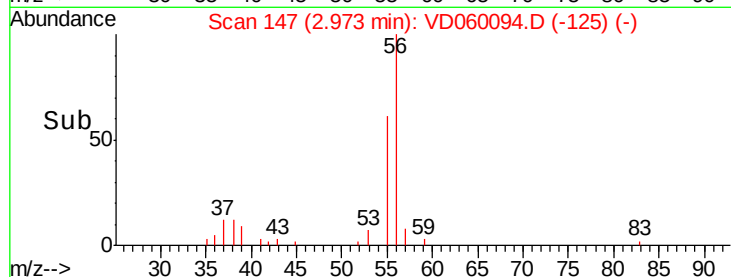
10000

5000

0

Time-->

2.90 3.00 3.10



#14

Allyl chloride

Concen: 23.304 ug/l

RT: 3.52 min Scan# 203

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

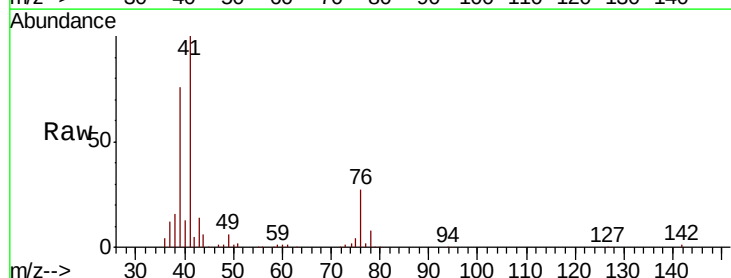
Tgt Ion: 41 Resp: 308994

Ion Ratio Lower Upper

41 100

39 75.7 63.6 95.4

76 26.7 21.1 31.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

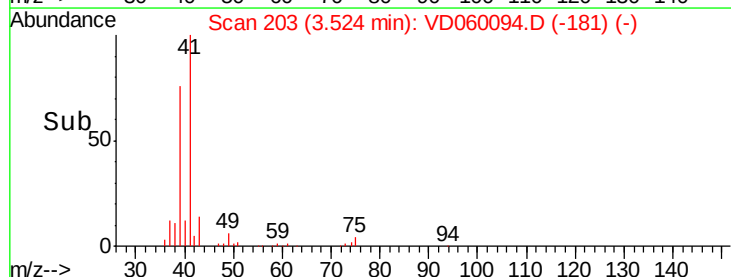
100000

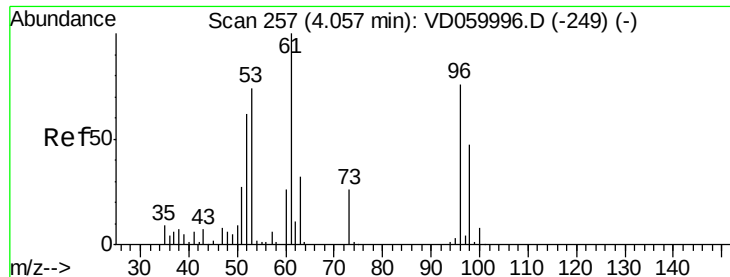
50000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 106.066 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

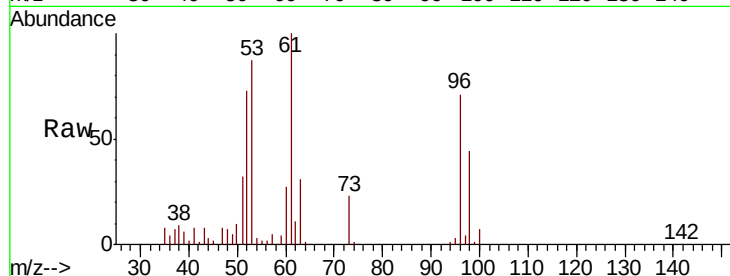
Tot Ion: 53 Resp: 384958

Ion Ratio Lower Upper

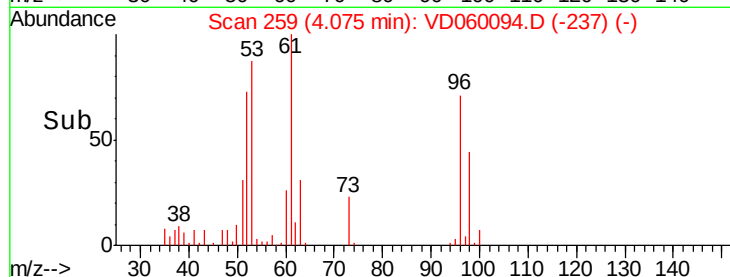
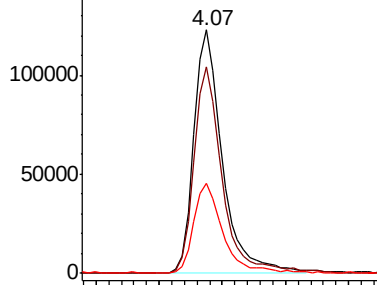
53 100

52 84.7 66.7 100.1

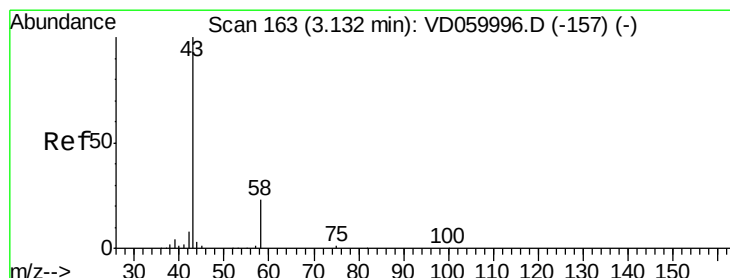
51 36.9 29.0 43.6



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



Time-->



#16

Acetone

Concen: 131.103 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060094.D

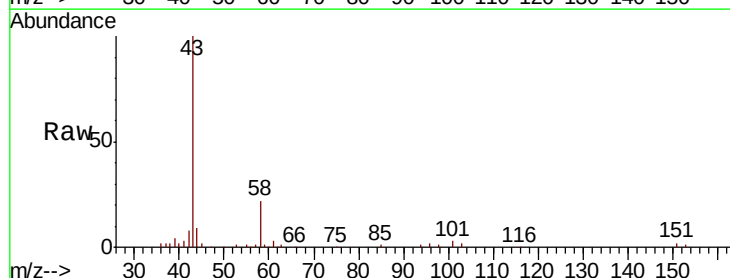
Acq: 28 Sep 2018 13:38

Tgt Ion: 43 Resp: 301621

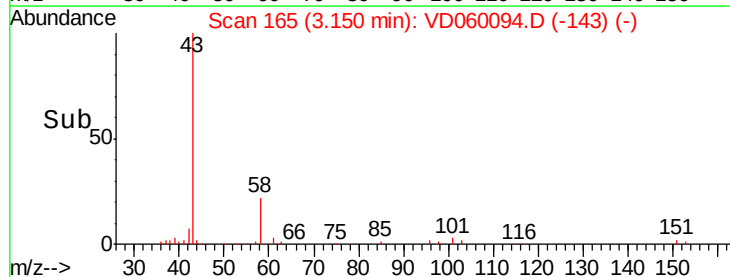
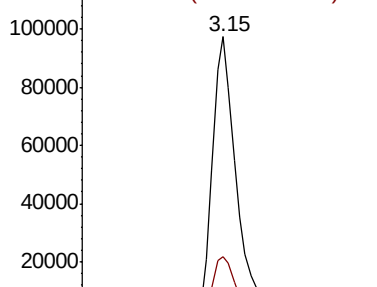
Ion Ratio Lower Upper

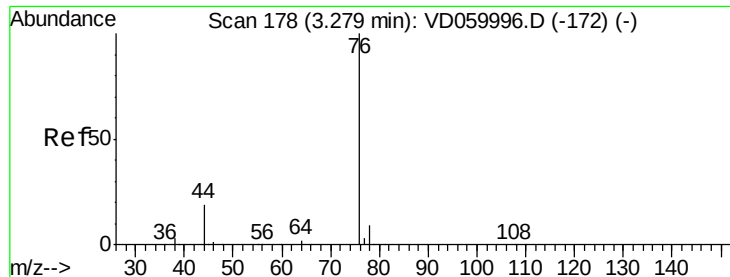
43 100

58 22.2 18.1 27.1



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

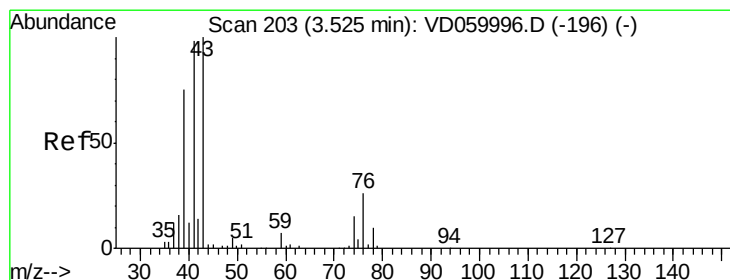
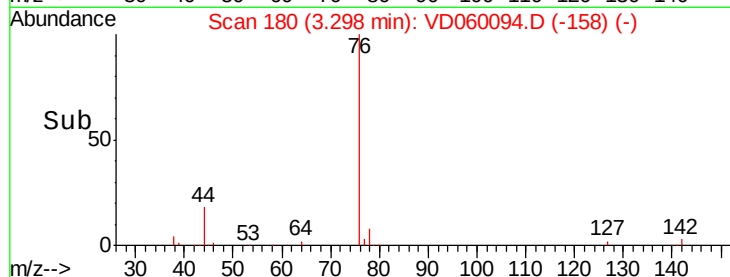
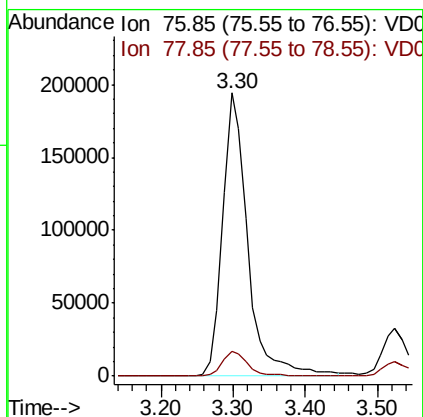
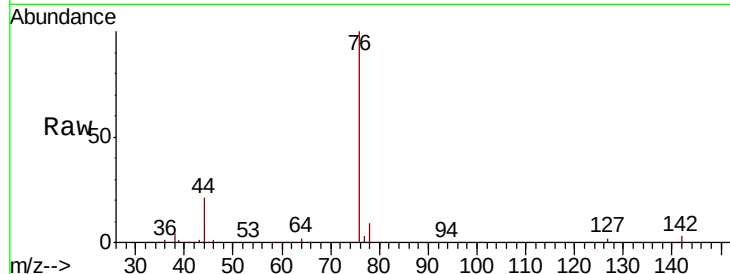




#17
Carbon Disulfide
Concen: 21.640 ug/l
RT: 3.30 min Scan# 180
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

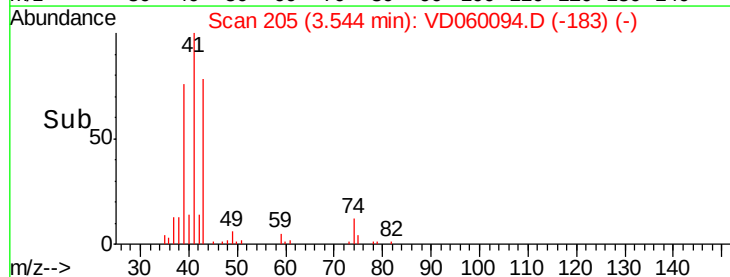
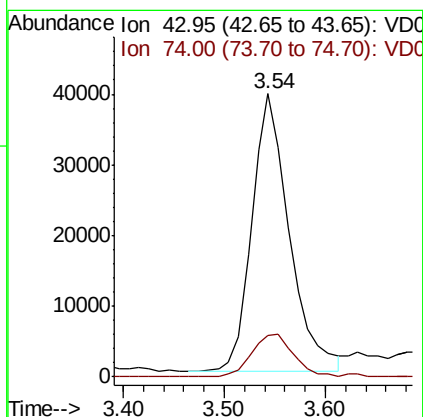
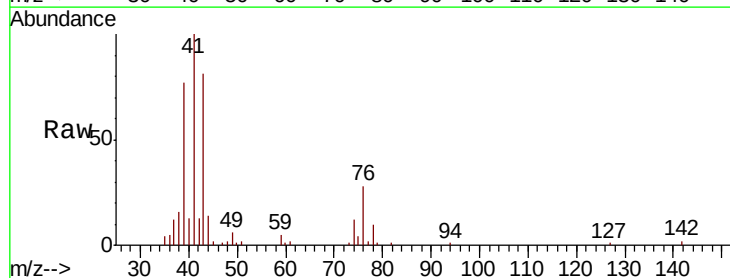
Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

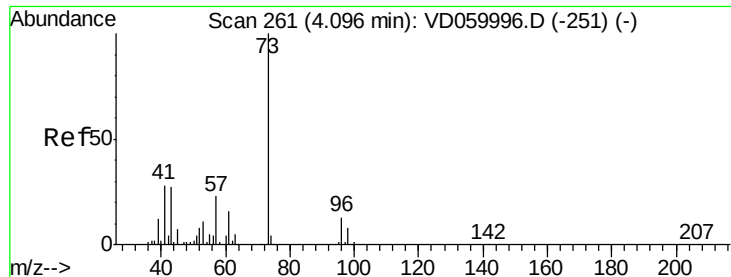
Tot Ion: 76 Resp: 468786
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 21.553 ug/l
RT: 3.54 min Scan# 205
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion: 43 Resp: 100844
Ion Ratio Lower Upper
43 100
74 14.6 11.8 17.8

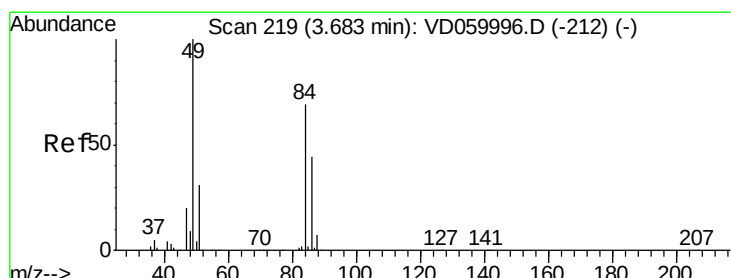
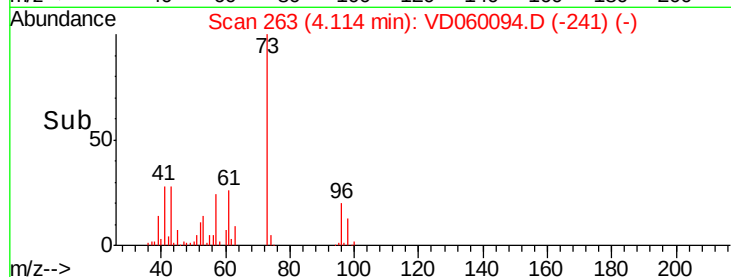
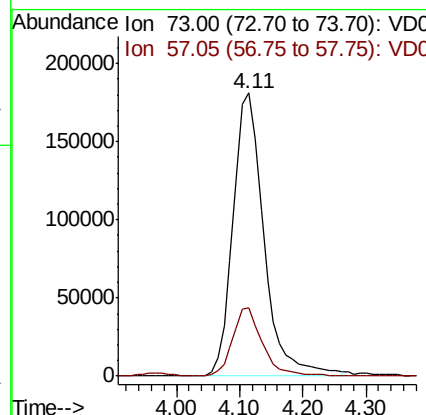
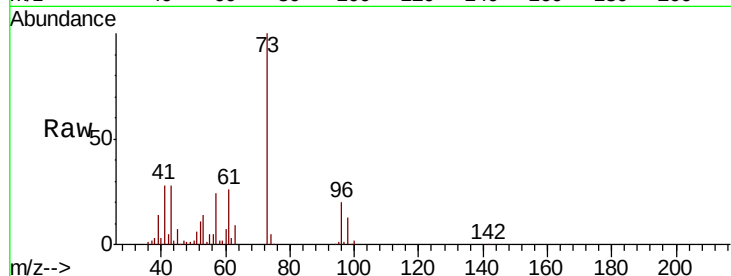




#19
Methyl tert-butyl Ether
Concen: 21.144 ug/l
RT: 4.11 min Scan# 263
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

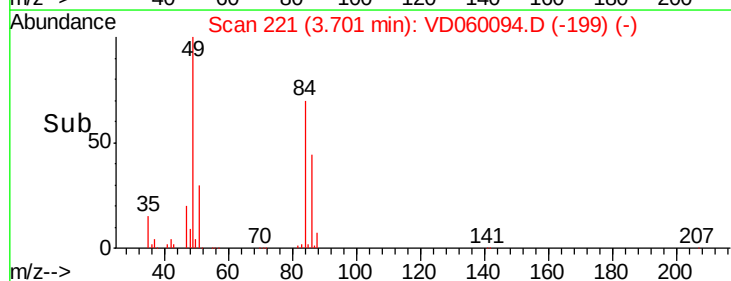
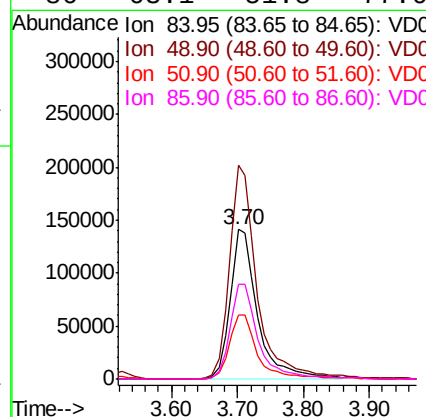
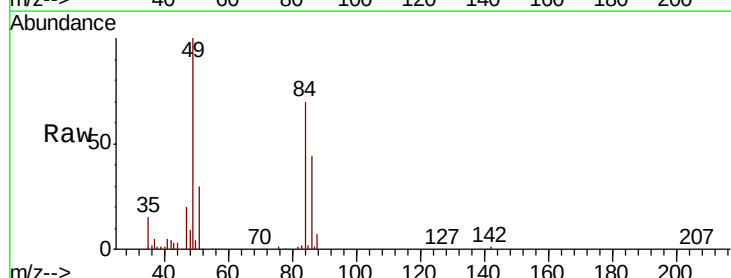
Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

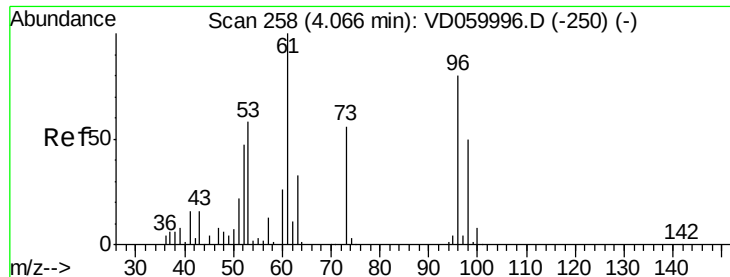
Tot Ion: 73 Resp: 614235
Ion Ratio Lower Upper
73 100
57 24.0 18.4 27.6



#20
Methylene Chloride
Concen: 21.000 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion: 84 Resp: 412205
Ion Ratio Lower Upper
84 100
49 142.8 116.6 175.0
51 42.9 35.9 53.9
86 63.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.419 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

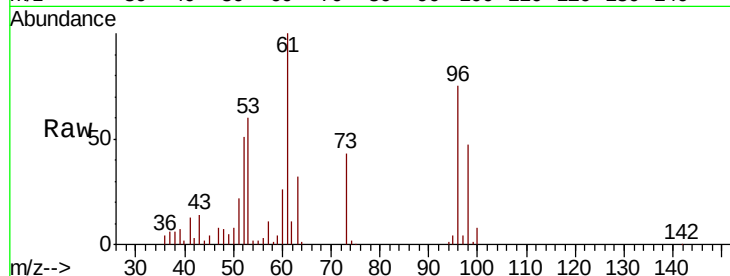
Tot Ion: 96 Resp: 353394

Ion Ratio Lower Upper

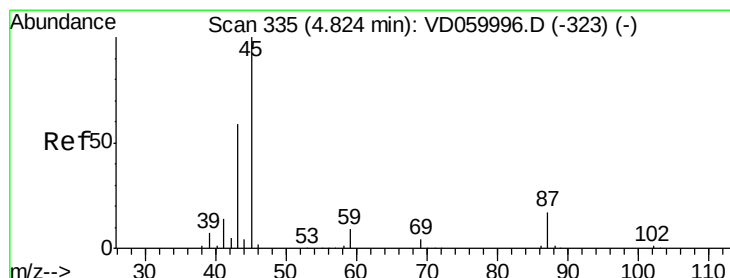
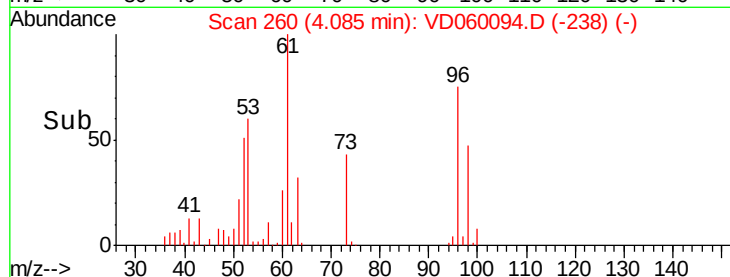
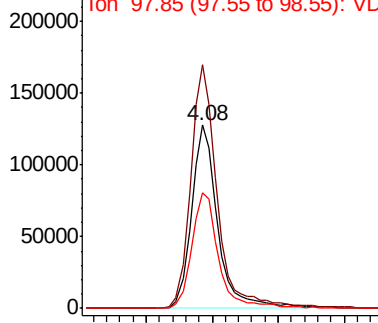
96 100

61 132.9 100.1 150.1

98 63.1 49.5 74.3



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: 21.734 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Tgt Ion: 45 Resp: 1314504

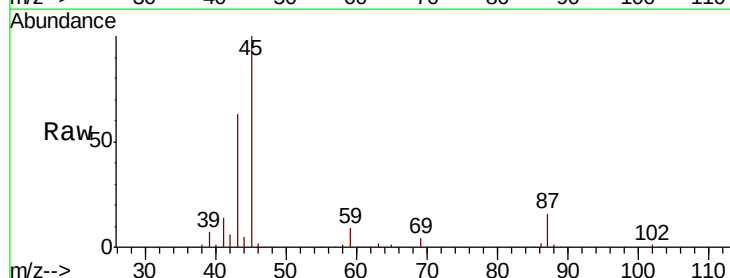
Ion Ratio Lower Upper

45 100

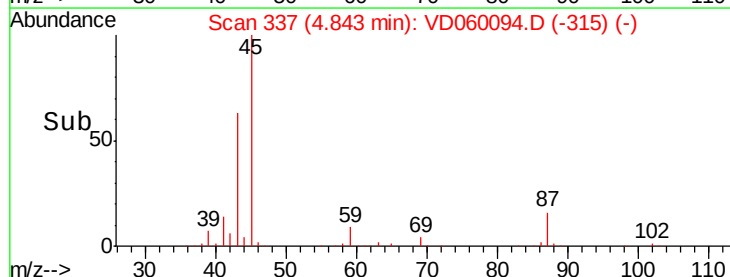
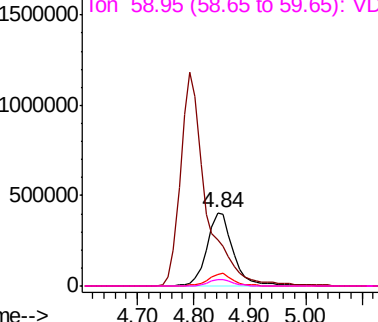
43 62.6 47.1 70.7

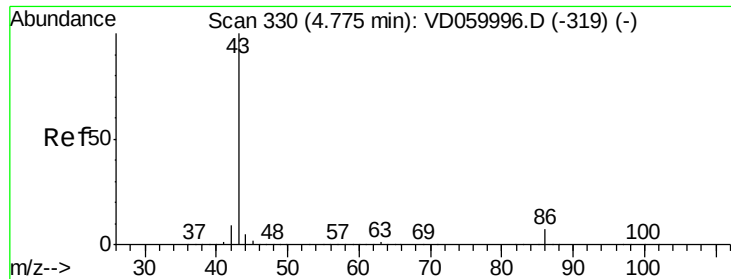
87 15.5 14.2 21.2

59 8.8 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: 109.392 ug/l

RT: 4.79 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

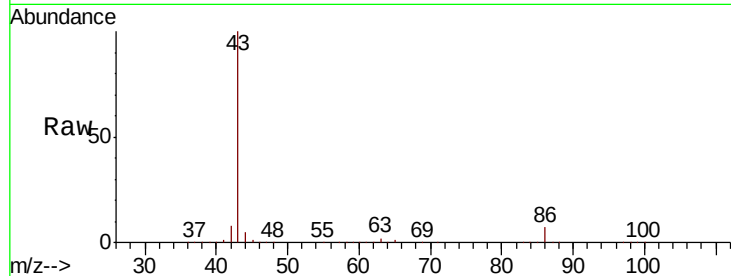
VD0928SBS01

Tot Ion: 43 Resp: 3748235

Ion Ratio Lower Upper

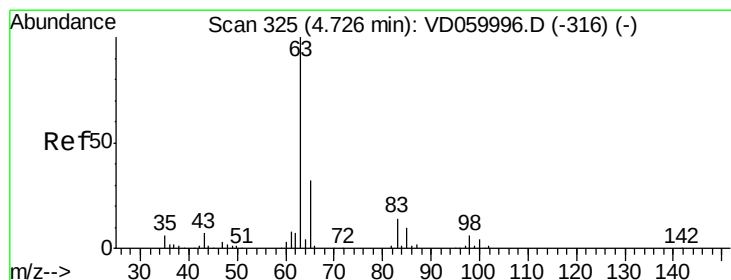
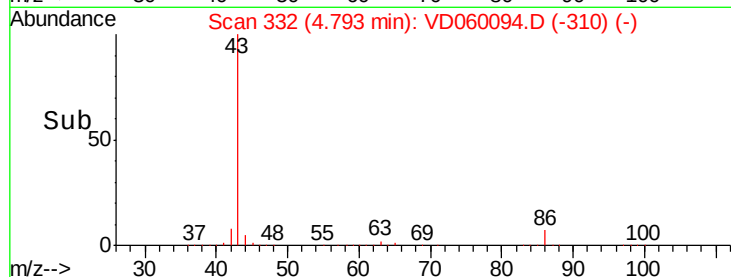
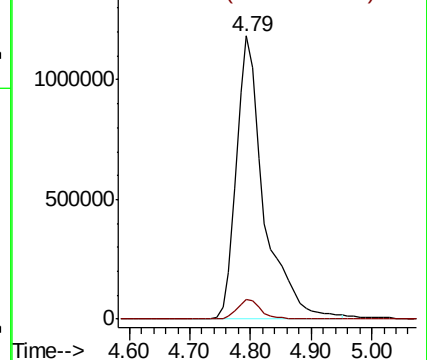
43 100

86 6.9 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.898 ug/l

RT: 4.74 min Scan# 327

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

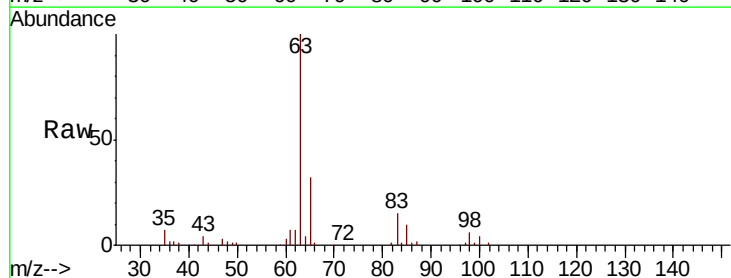
Tgt Ion: 63 Resp: 594351

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

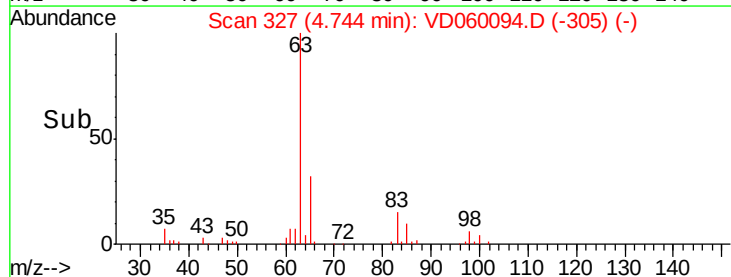
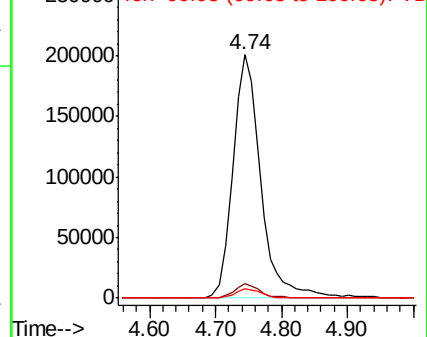
100 3.7 1.8 5.4

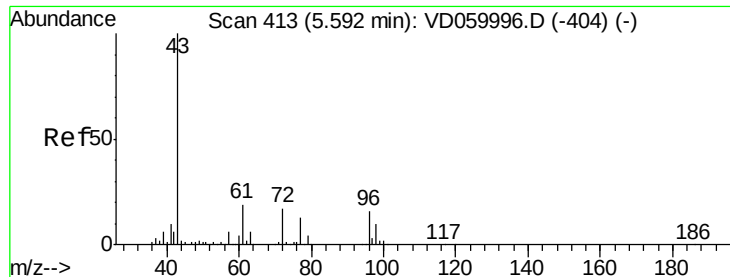


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 119.534 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

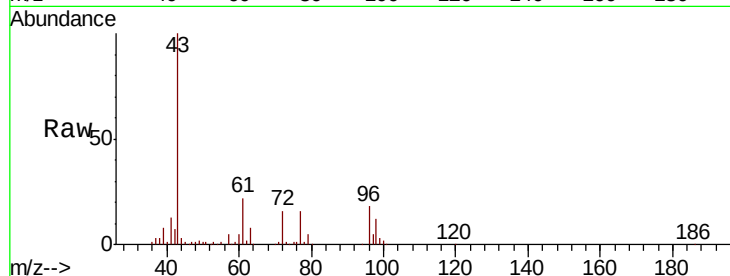
VD0928SBS01

Tot Ion: 43 Resp: 742095

Ion Ratio Lower Upper

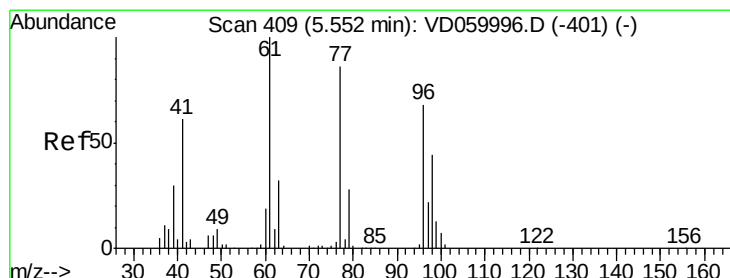
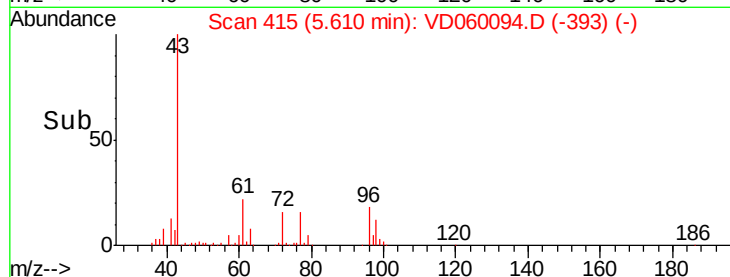
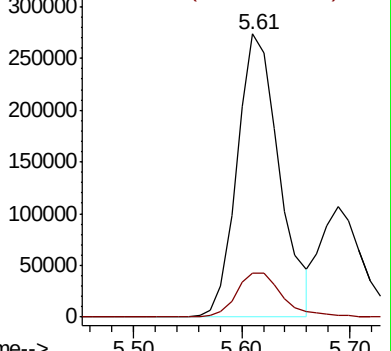
43 100

72 15.8 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.992 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.03 min

Lab File: VD060094.D

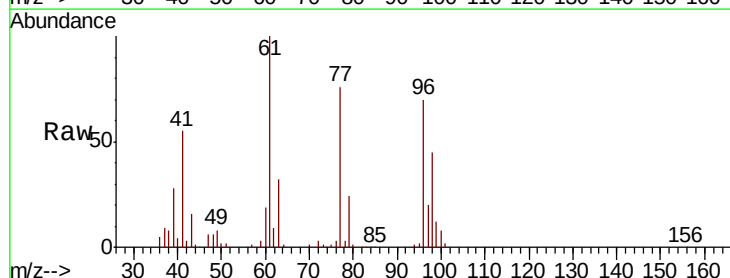
Acq: 28 Sep 2018 13:38

Tgt Ion: 77 Resp: 464056

Ion Ratio Lower Upper

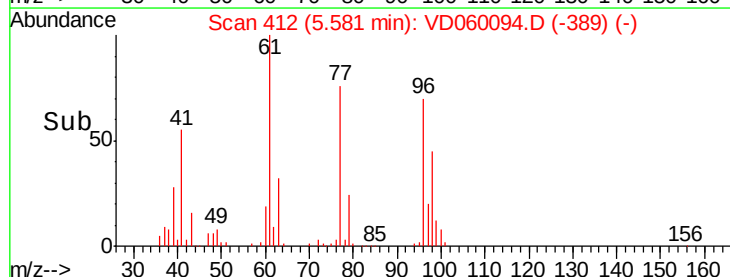
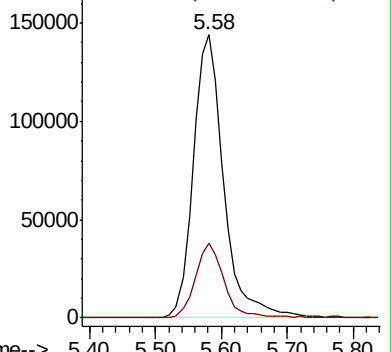
77 100

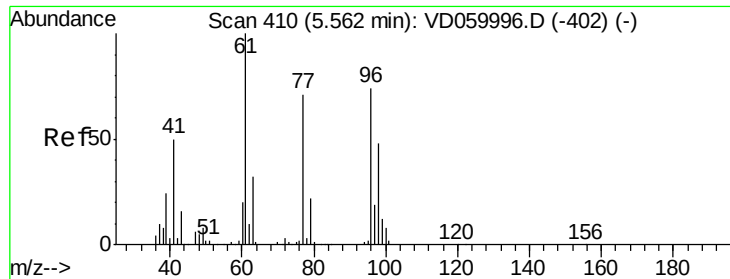
97 26.3 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



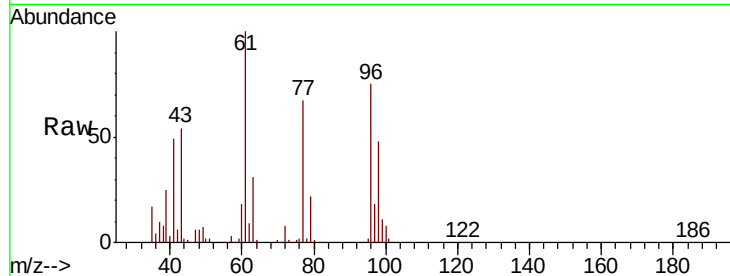


#27

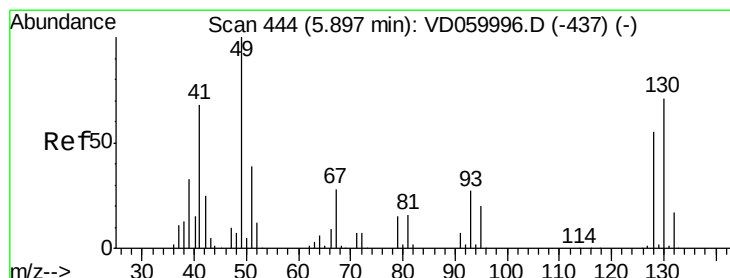
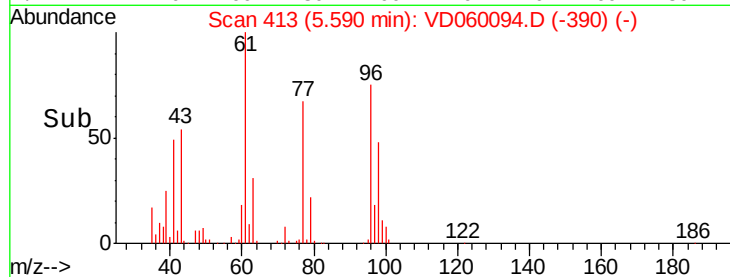
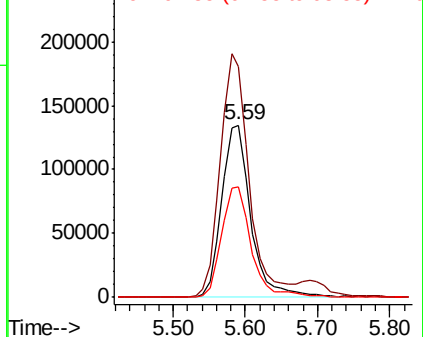
cis-1,2-Dichloroethene
 Concen: 21.777 ug/l
 RT: 5.59 min Scan# 413
 Delta R.T. 0.03 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion: 96 Resp: 375826
 Ion Ratio Lower Upper
 96 100
 61 134.2 0.0 269.6
 98 64.4 0.0 128.4



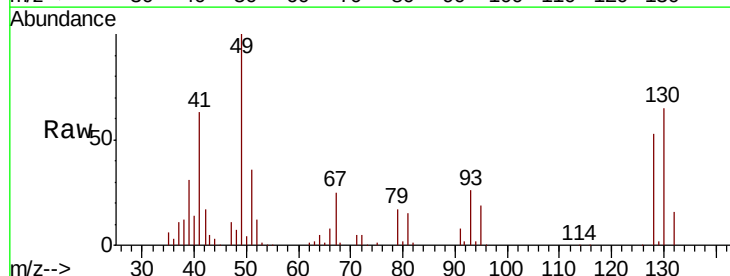
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



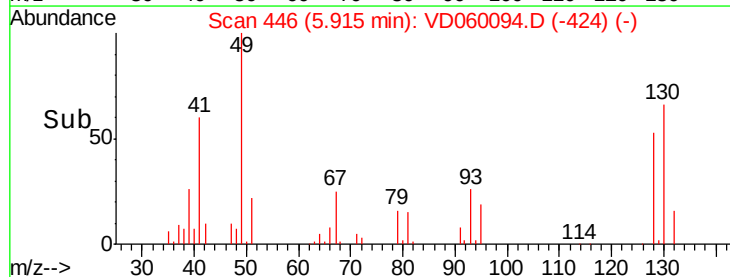
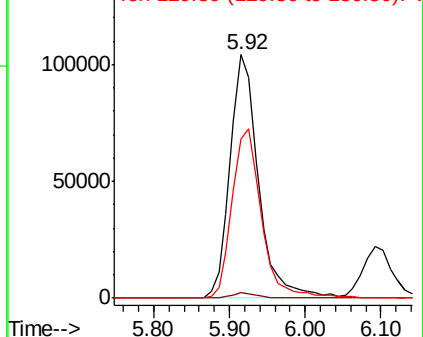
#28

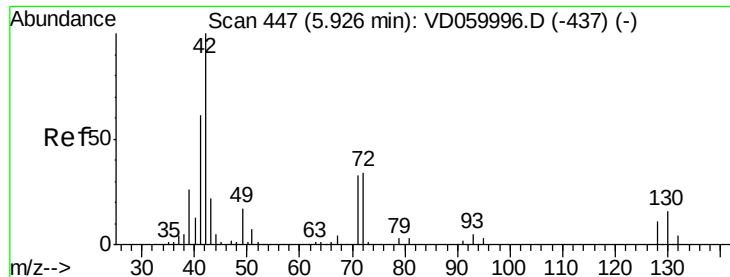
Bromochloromethane
 Concen: 20.794 ug/l
 RT: 5.92 min Scan# 446
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion: 49 Resp: 271293
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.6
 130 65.4 57.1 85.7



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





#29

Tetrahydrofuran

Concen: 97.664 ug/l

RT: 5.94 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

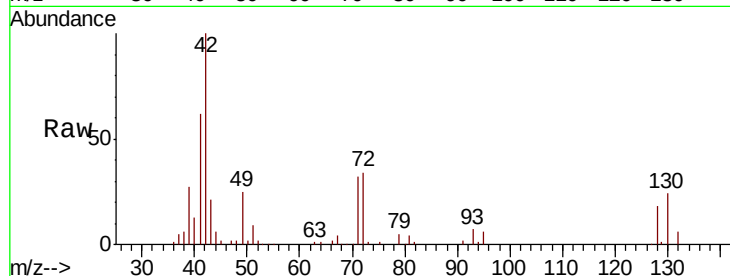
Tot Ion: 42 Resp: 325162

Ion Ratio Lower Upper

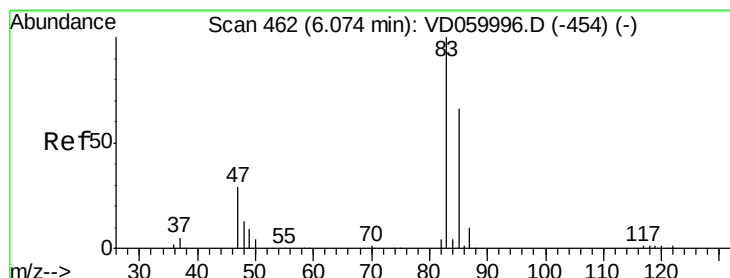
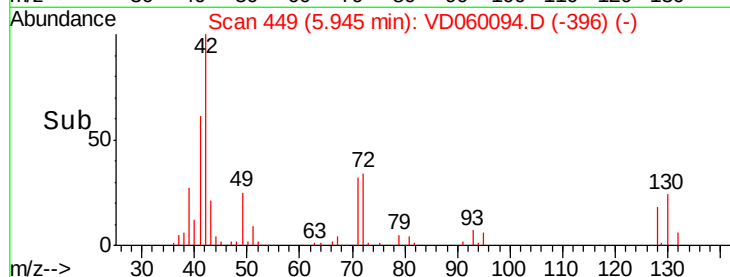
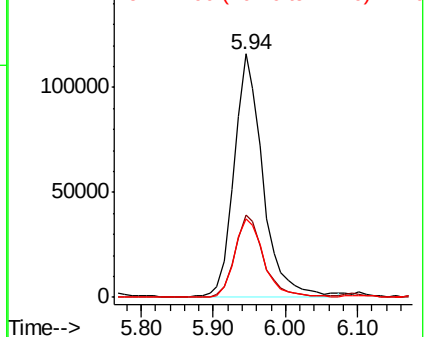
42 100

72 33.6 26.9 40.3

71 32.8 26.2 39.4



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



#30

Chloroform

Concen: 22.102 ug/l

RT: 6.09 min Scan# 464

Delta R.T. 0.02 min

Lab File: VD060094.D

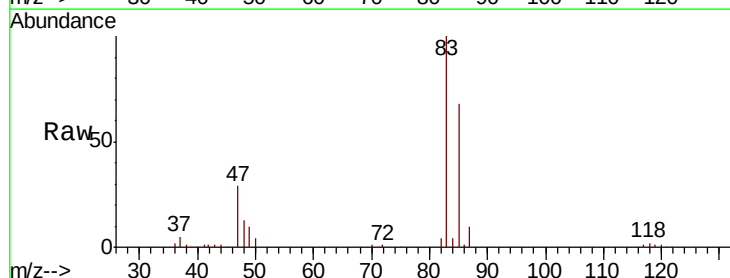
Acq: 28 Sep 2018 13:38

Tgt Ion: 83 Resp: 608360

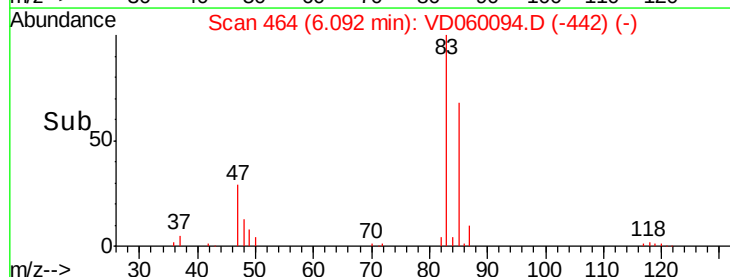
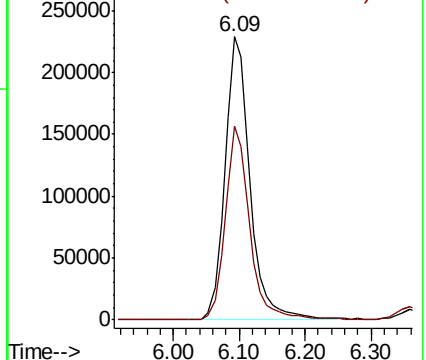
Ion Ratio Lower Upper

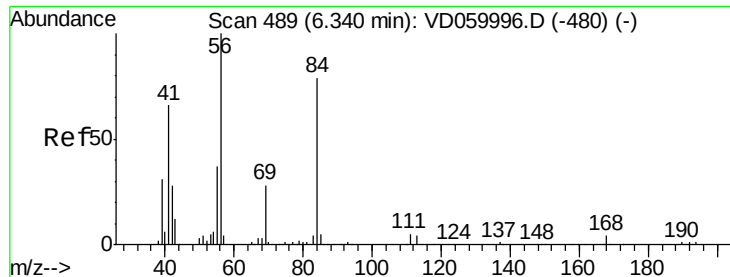
83 100

85 68.5 52.6 78.8



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

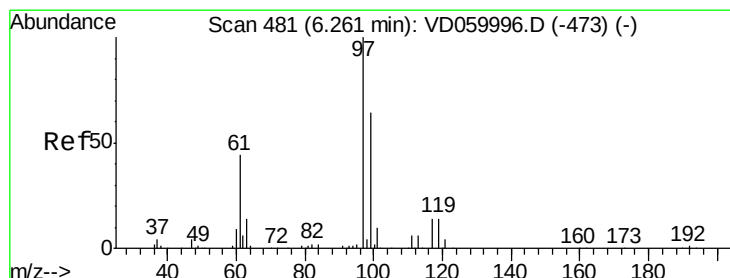
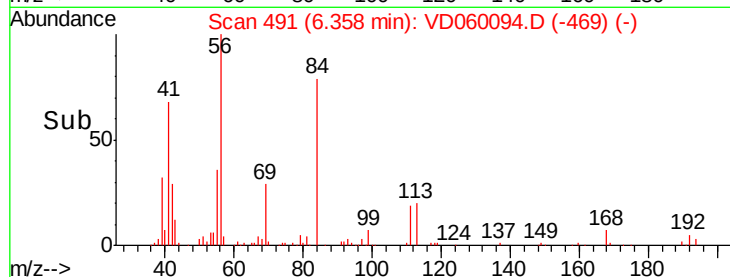
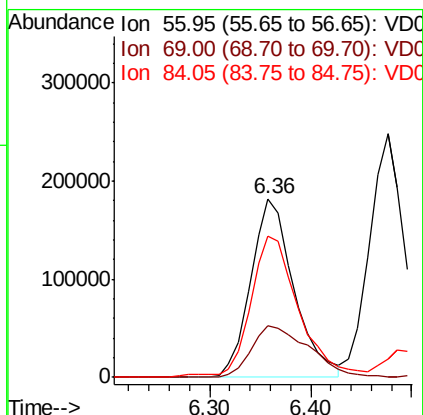
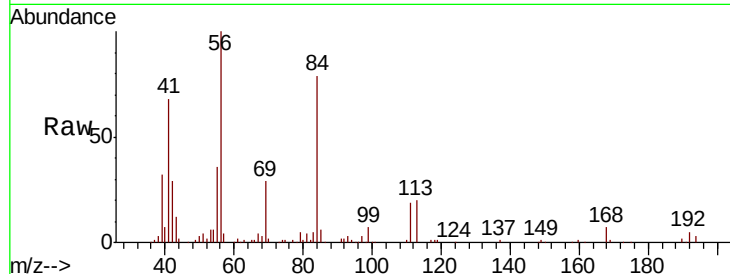




#31
Cyclohexane
Concen: 20.491 ug/l
RT: 6.36 min Scan# 491
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

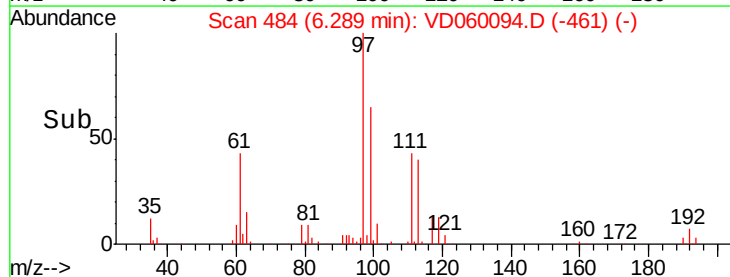
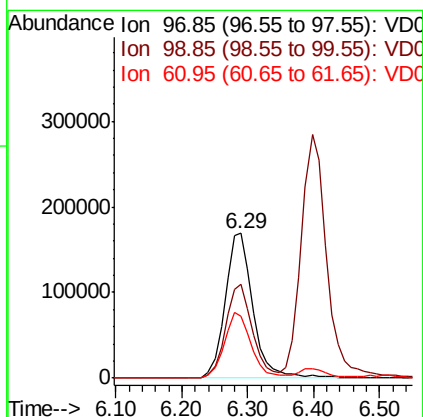
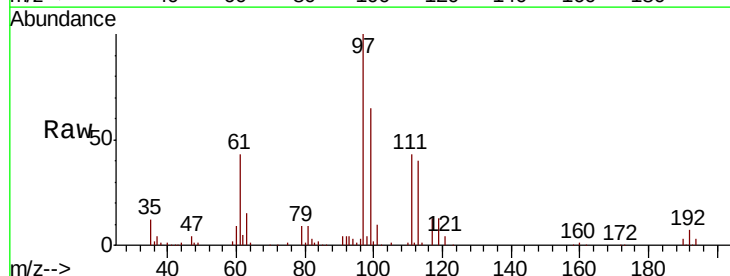
Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

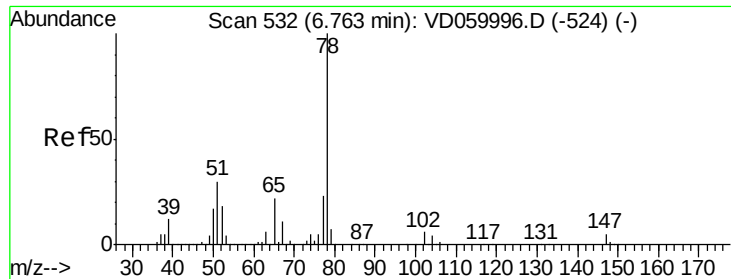
Tot Ion: 56 Resp: 542278
Ion Ratio Lower Upper
56 100
69 28.9 22.7 34.1
84 78.8 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 21.839 ug/l
RT: 6.29 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion: 97 Resp: 498551
Ion Ratio Lower Upper
97 100
99 64.9 51.3 76.9
61 42.6 35.5 53.3

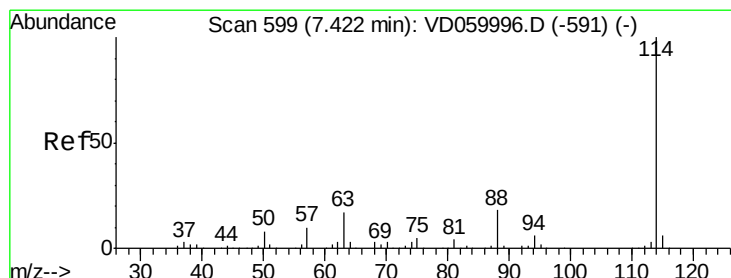
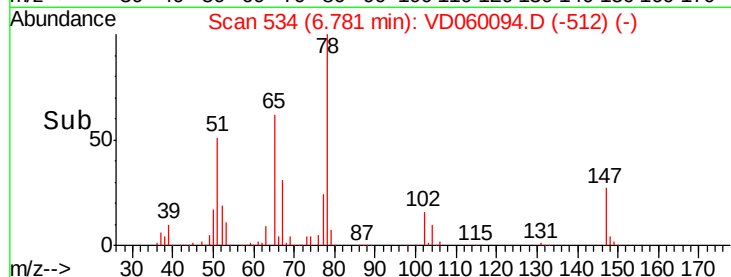
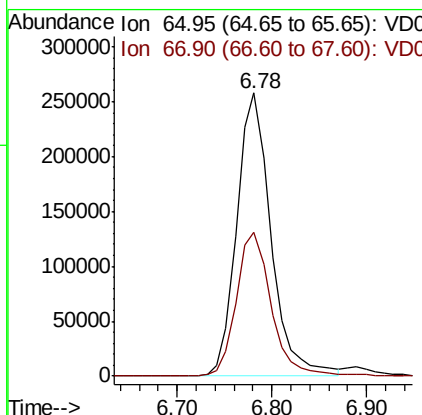
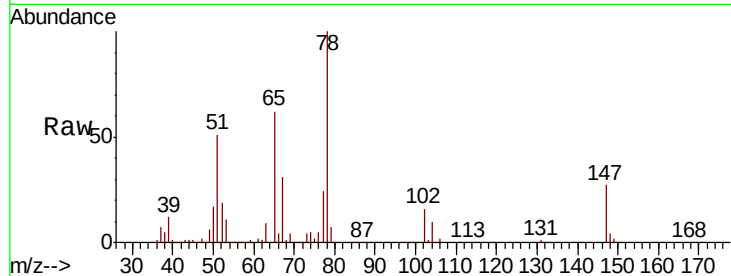




#33
 1,2-Dichloroethane-d4
 Concen: 21.839 ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

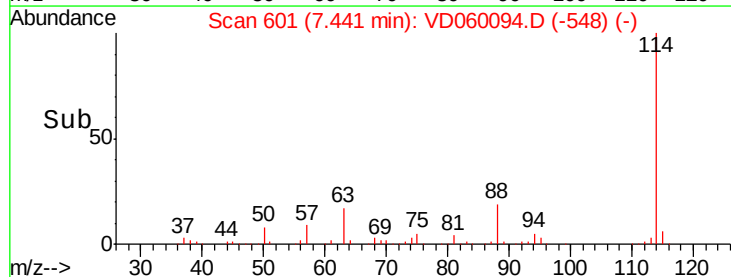
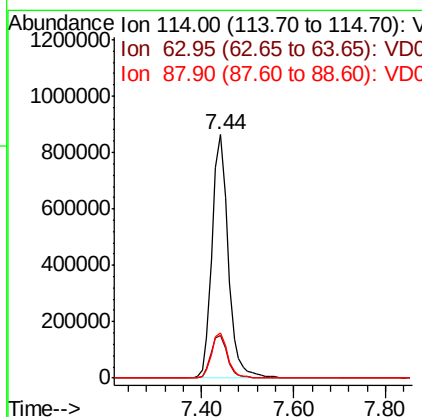
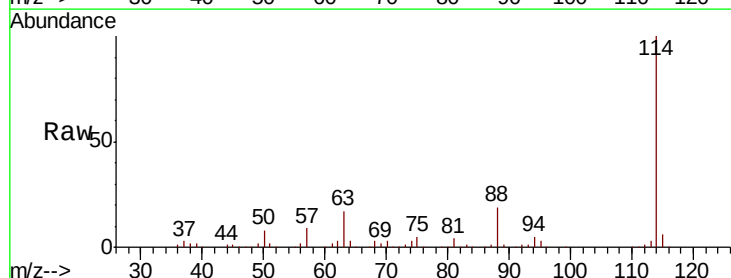
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

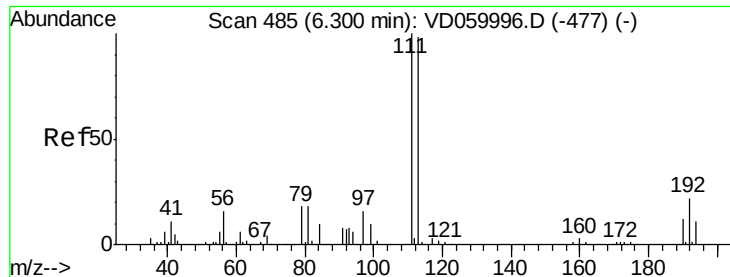
Tot Ion: 65 Resp: 646334
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion: 114 Resp: 2089475
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 34.4
 88 18.6 0.0 35.8

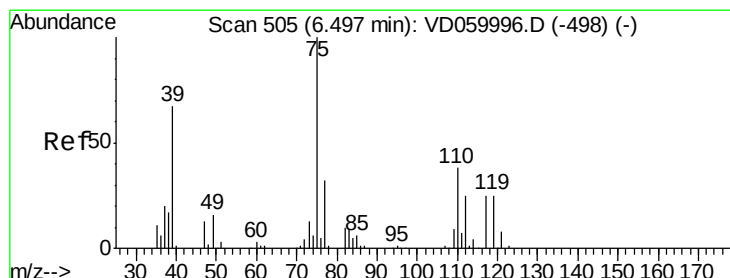
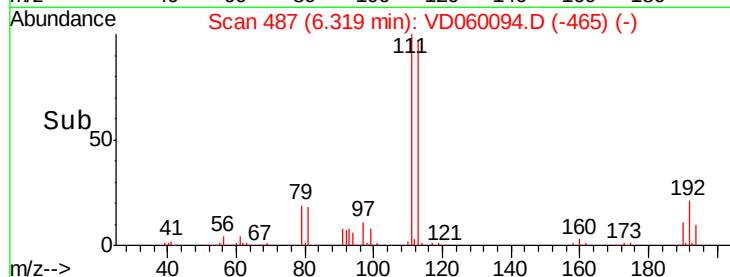
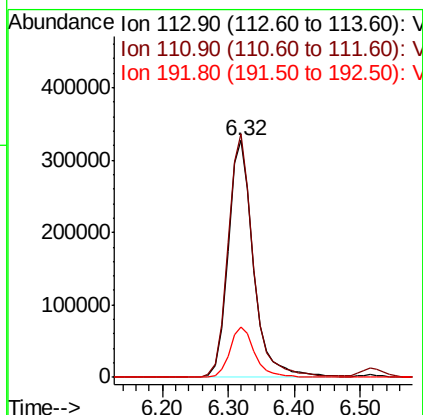
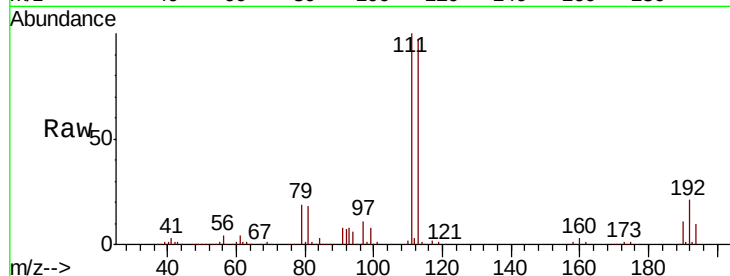




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

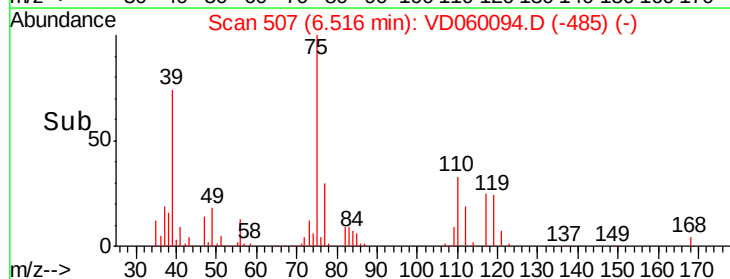
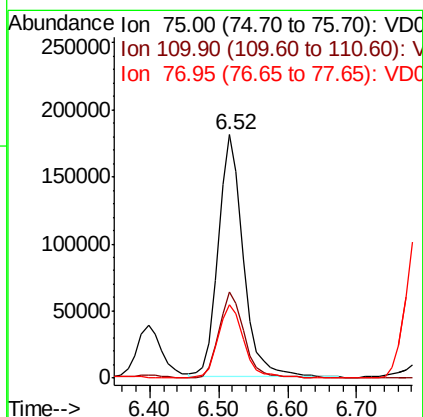
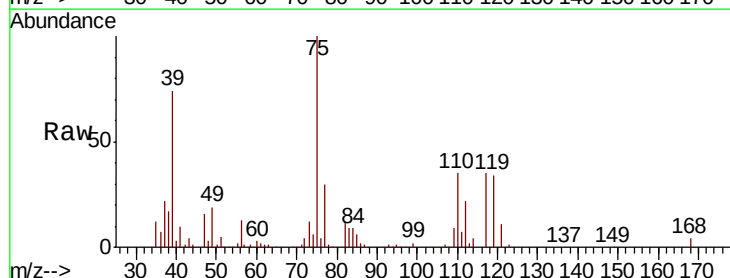
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

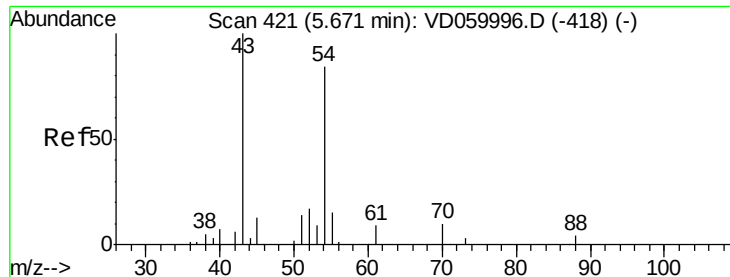
Tot Ion:113 Resp: 877250
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.3 121.9
 192 21.4 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 21.890 ug/l
 RT: 6.52 min Scan# 507
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion: 75 Resp: 454332
 Ion Ratio Lower Upper
 75 100
 110 35.2 18.9 56.9
 77 30.1 25.3 37.9

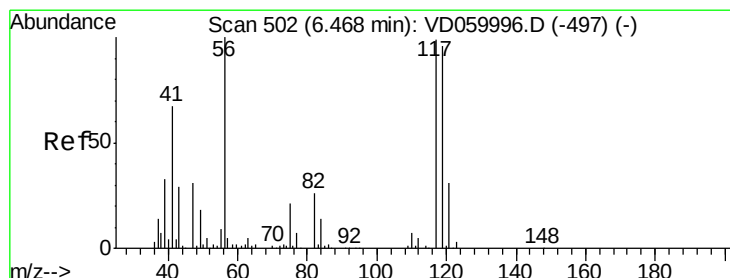
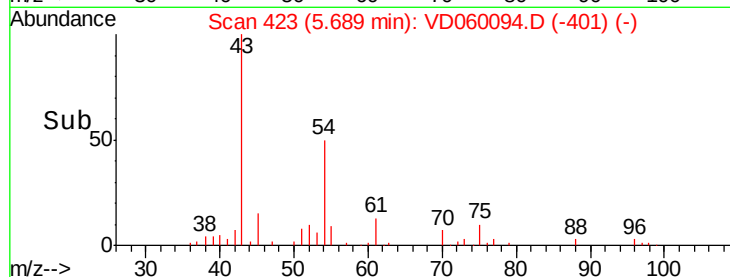
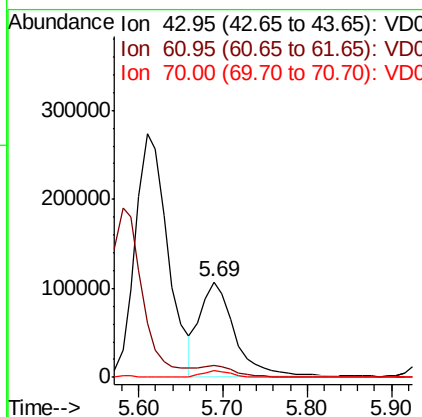
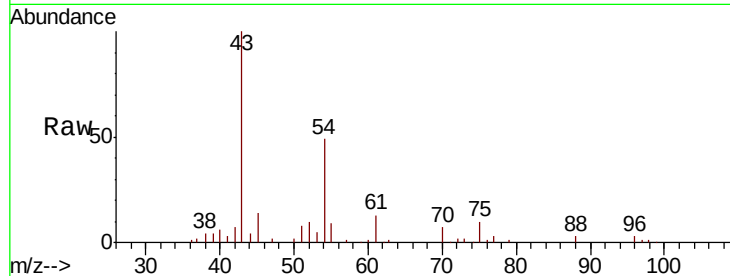




#37
Ethyl Acetate
Concen: 20.869 ug/l
RT: 5.69 min Scan# 423
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

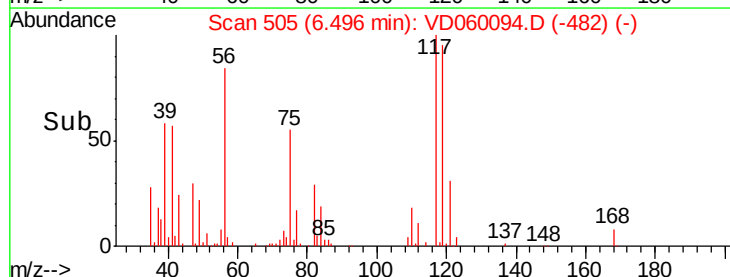
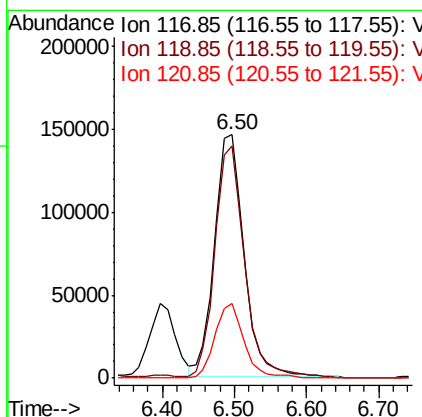
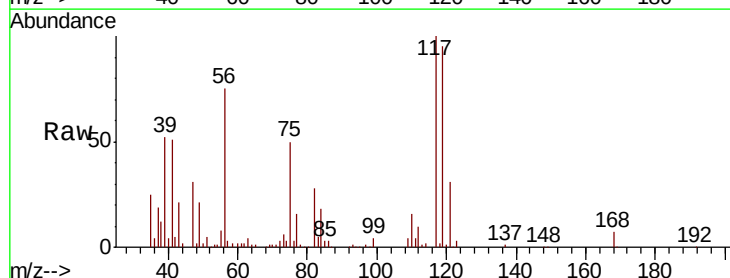
Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

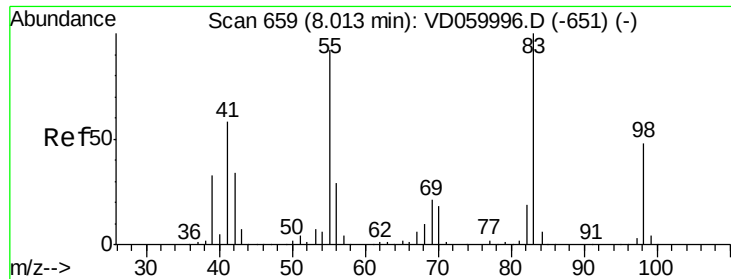
Tot Ion: 43 Resp: 297867
Ion Ratio Lower Upper
43 100
61 12.5 10.2 15.2
70 7.3 6.1 9.1



#38
Carbon Tetrachloride
Concen: 21.451 ug/l
RT: 6.50 min Scan# 505
Delta R.T. 0.03 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion: 117 Resp: 415624
Ion Ratio Lower Upper
117 100
119 95.4 76.7 115.1
121 30.8 24.9 37.3

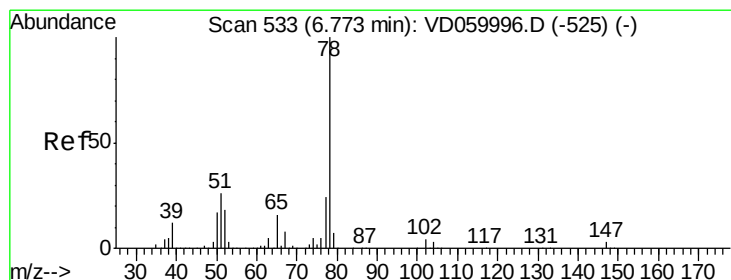
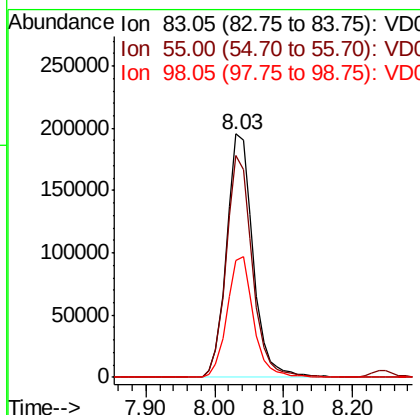
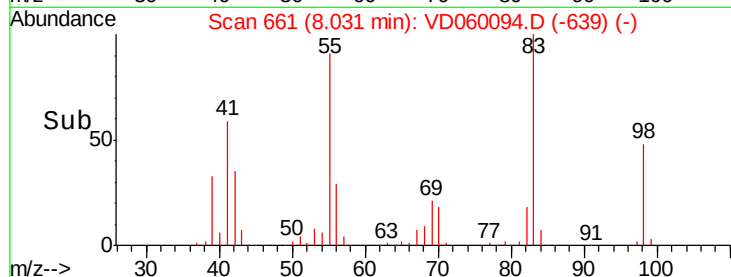
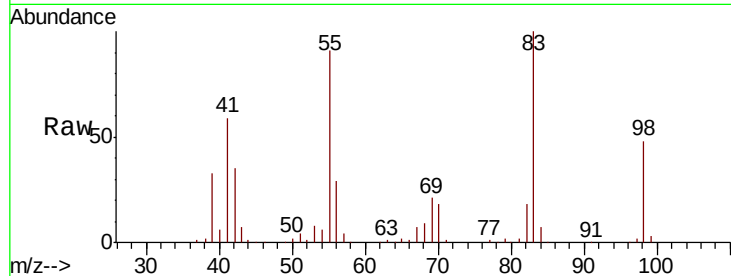




#39
Methylcyclohexane
Concen: 22.145 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

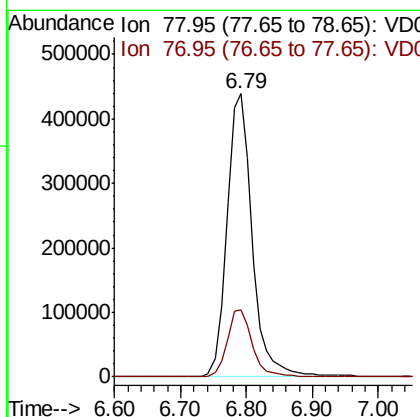
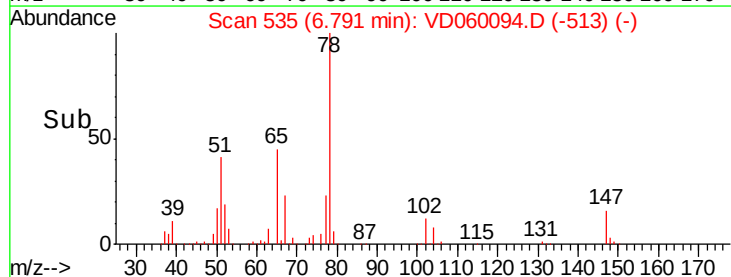
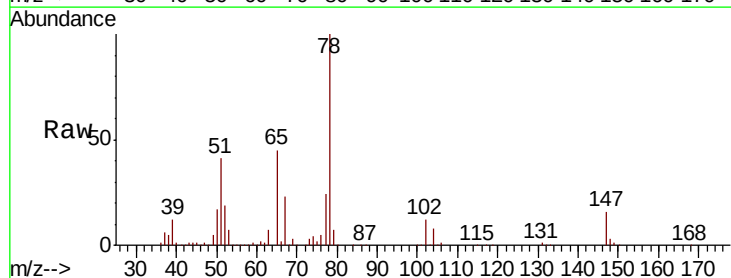
Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

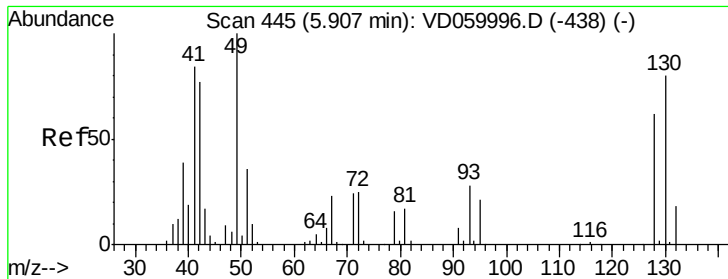
Tot Ion: 83 Resp: 519951
Ion Ratio Lower Upper
83 100
55 91.2 73.8 110.6
98 47.8 38.1 57.1



#40
Benzene
Concen: 22.190 ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion: 78 Resp: 1173859
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4





#41

Methacrylonitrile

Concen: 44.293 ug/l

RT: 5.94 min Scan# 449

Delta R.T. 0.04 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 41 Resp: 331119

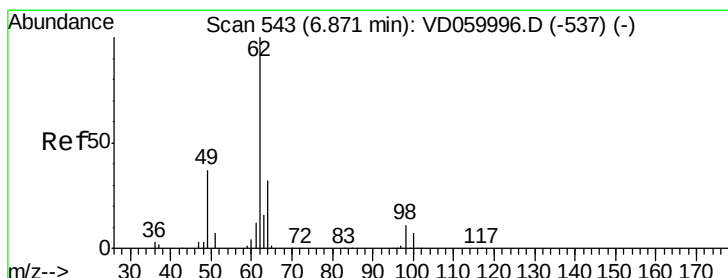
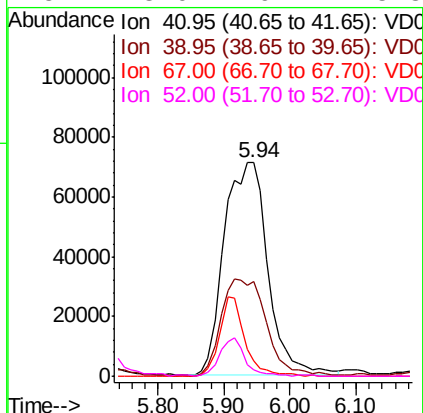
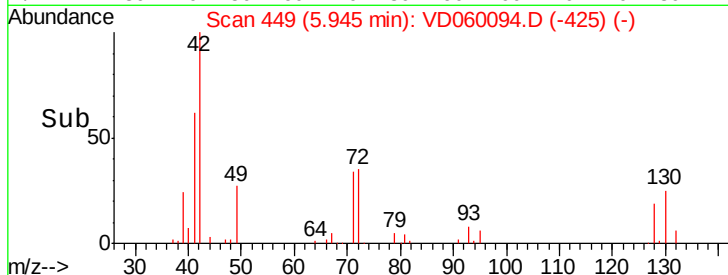
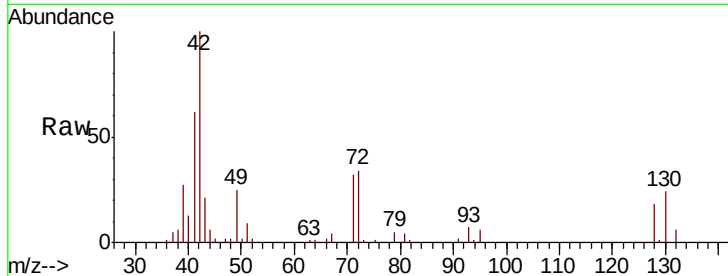
Ion Ratio Lower Upper

41 100

39 44.6 37.5 56.3

67 7.0 21.5 32.3#

52 3.0 9.2 13.8#



#42

1,2-Dichloroethane

Concen: 20.873 ug/l

RT: 6.89 min Scan# 545

Delta R.T. 0.02 min

Lab File: VD060094.D

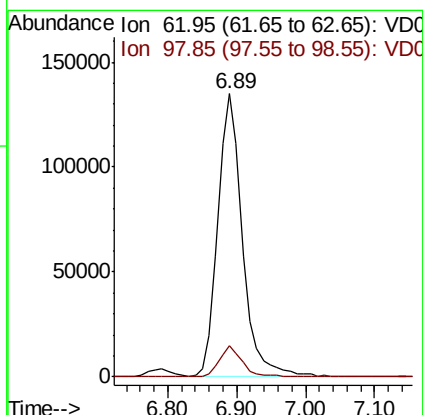
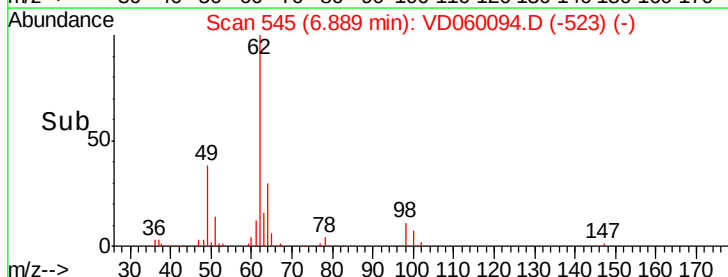
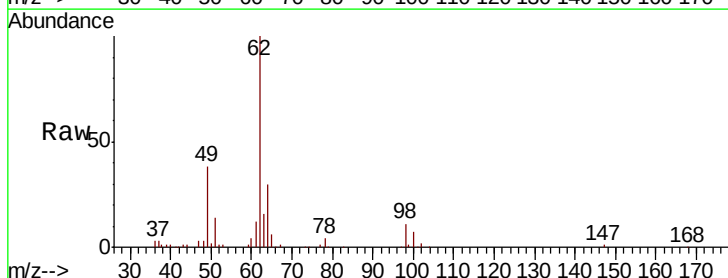
Acq: 28 Sep 2018 13:38

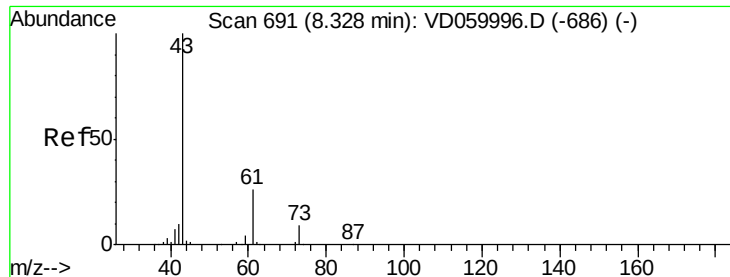
Tgt Ion: 62 Resp: 331552

Ion Ratio Lower Upper

62 100

98 10.9 0.0 21.4



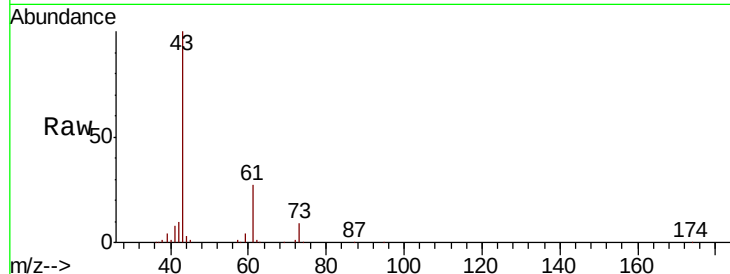


#43

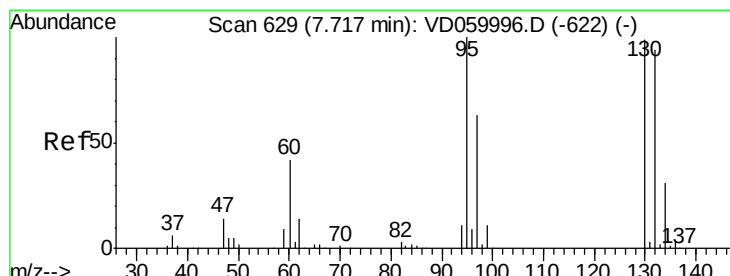
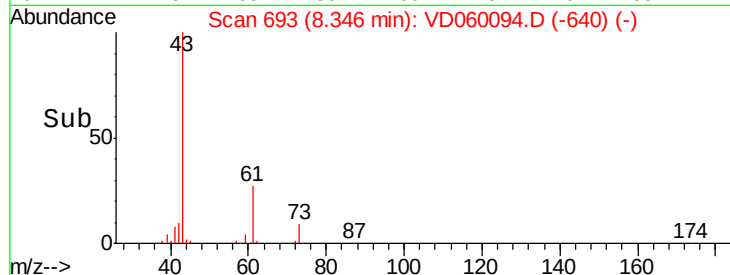
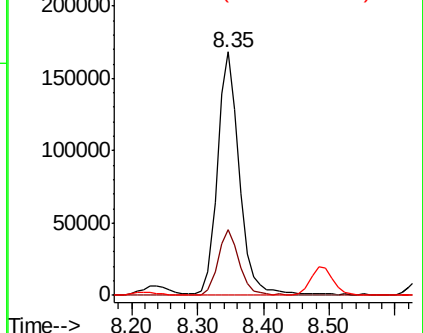
Isopropyl Acetate
 Concen: 20.013 ug/l
 RT: 8.35 min Scan# 693
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion: 43 Resp: 382466
 Ion Ratio Lower Upper
 43 100
 61 26.8 21.0 31.6
 87 0.2 0.2 0.2



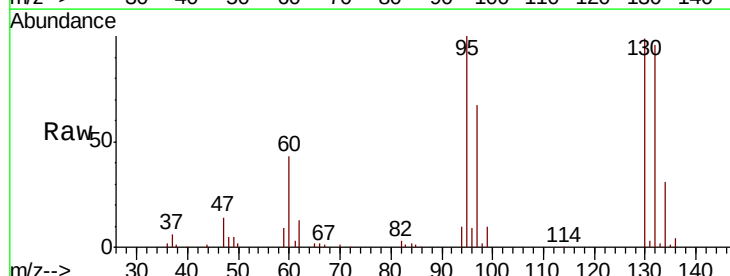
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



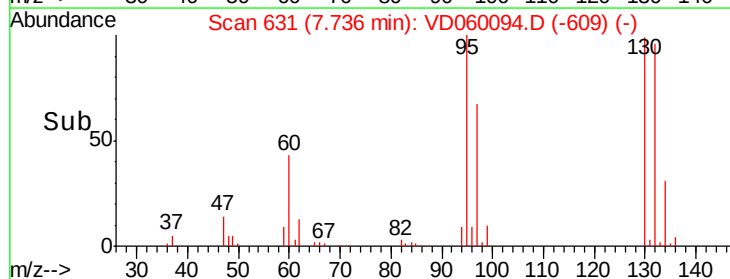
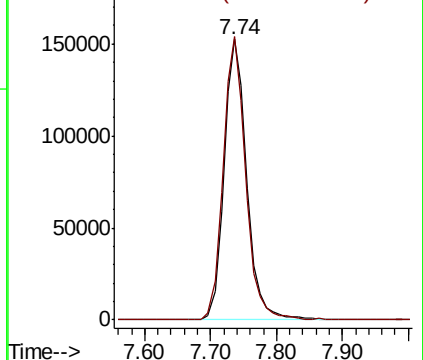
#44

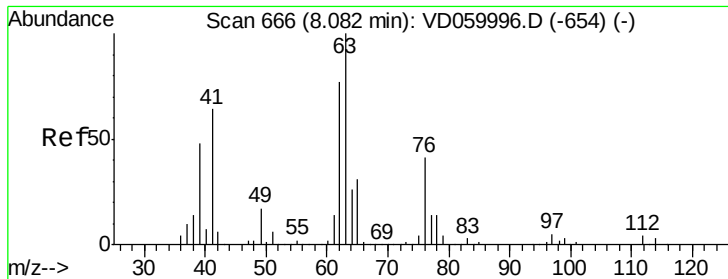
Trichloroethene
 Concen: 22.379 ug/l
 RT: 7.74 min Scan# 631
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion: 130 Resp: 365772
 Ion Ratio Lower Upper
 130 100
 95 101.0 0.0 202.0



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

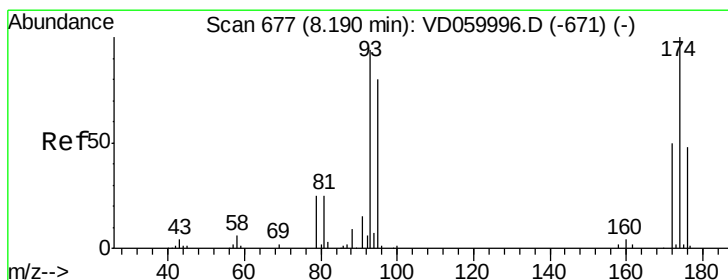
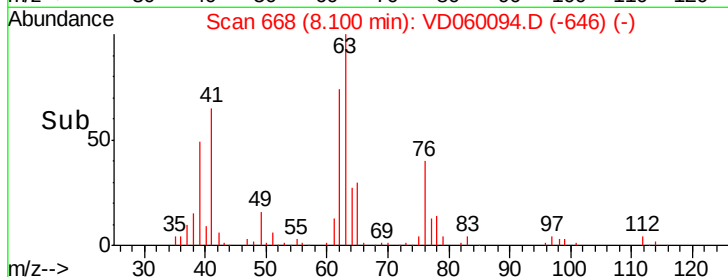
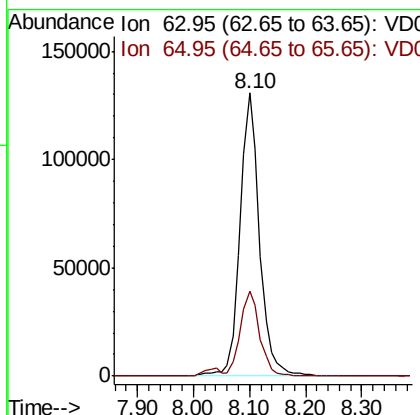
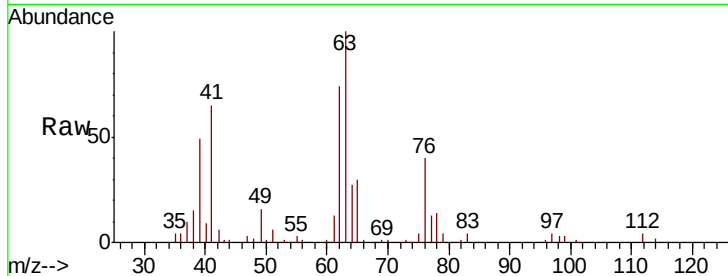




#45
 1,2-Dichloropropane
 Concen: 22.273 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

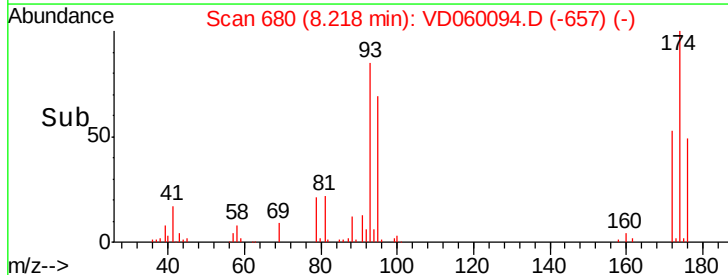
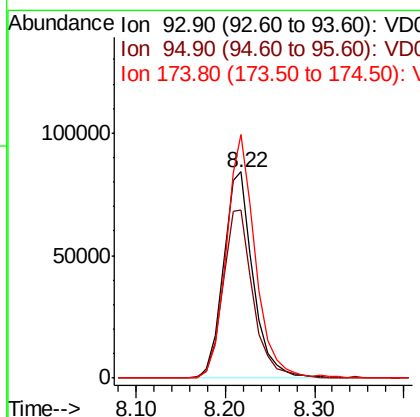
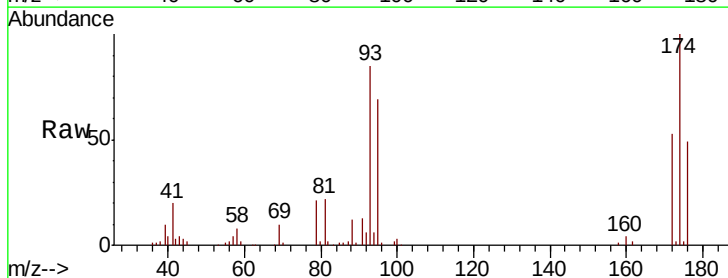
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

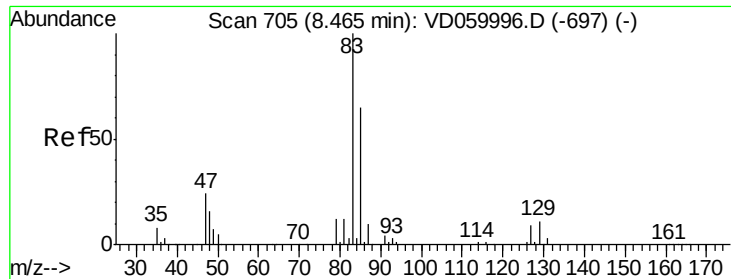
Tot Ion: 63 Resp: 315060
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 37.0



#46
 Dibromomethane
 Concen: 21.203 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. 0.03 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion: 93 Resp: 195695
 Ion Ratio Lower Upper
 93 100
 95 81.3 68.0 102.0
 174 118.2 85.4 128.2





#47

Bromodichloromethane

Concen: 21.819 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

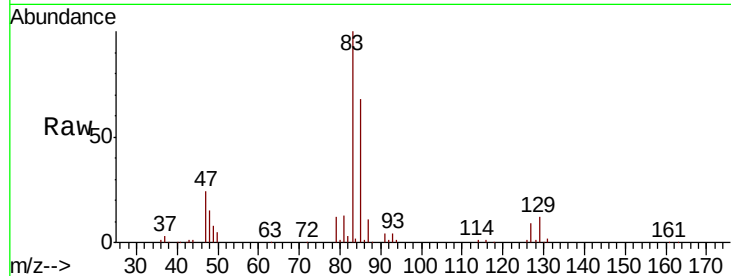
Tot Ion: 83 Resp: 434173

Ion Ratio Lower Upper

83 100

85 67.8 51.9 77.9

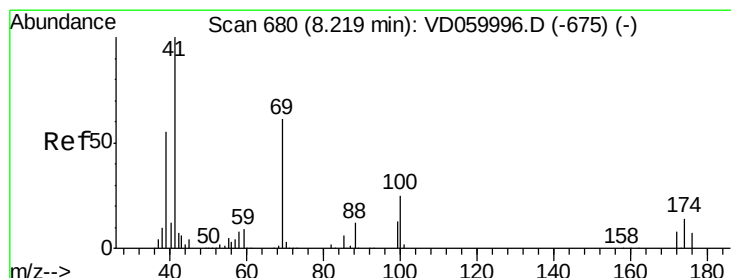
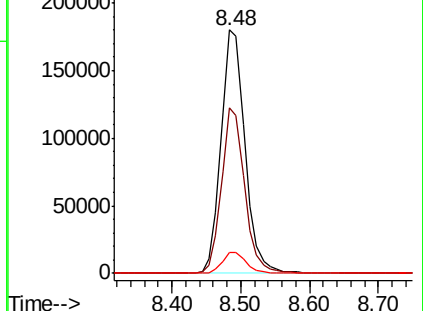
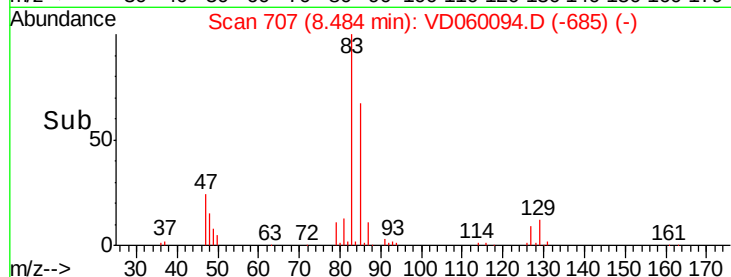
127 8.6 6.8 10.2



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.145 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.03 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

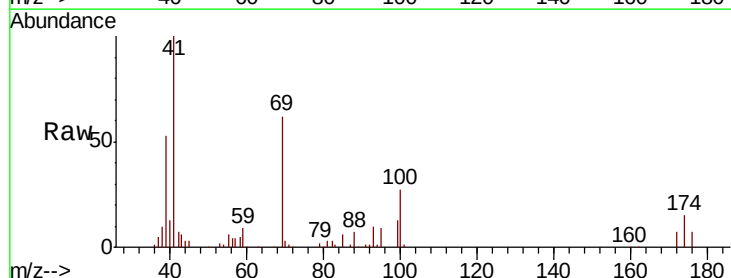
Tgt Ion: 41 Resp: 225059

Ion Ratio Lower Upper

41 100

69 61.9 48.3 72.5

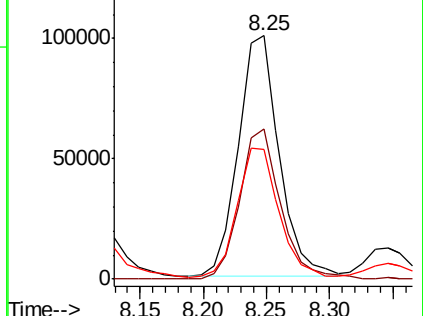
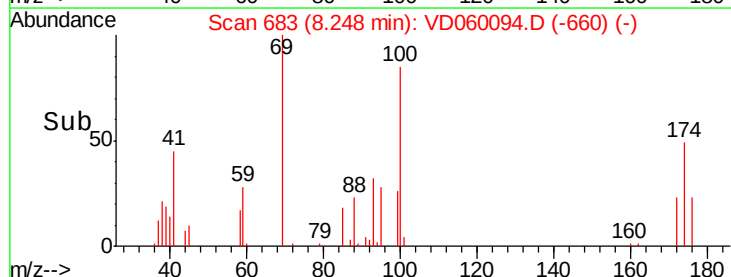
39 53.4 44.1 66.1

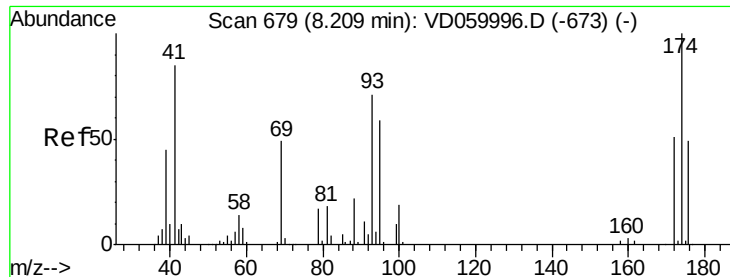


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 393.118 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

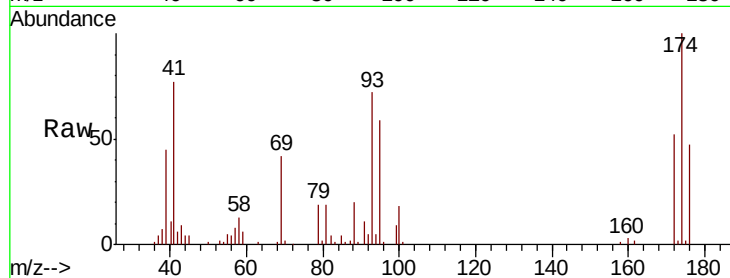
Tot Ion: 88 Resp: 41558

Ion Ratio Lower Upper

88 100

43 42.7 36.2 54.2

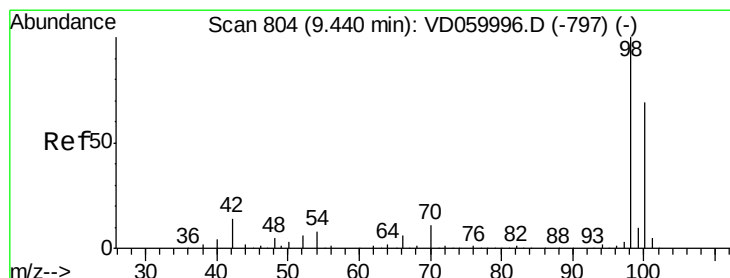
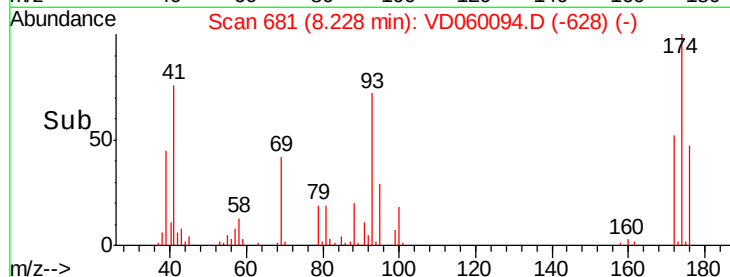
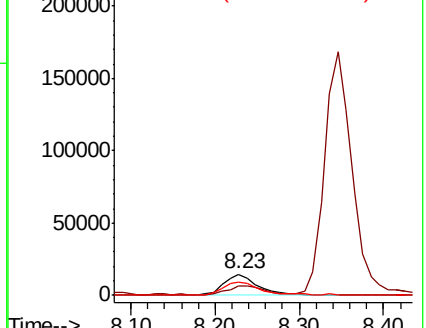
58 62.5 51.0 76.6



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: 393.118 ug/l

RT: 9.46 min Scan# 806

Delta R.T. 0.02 min

Lab File: VD060094.D

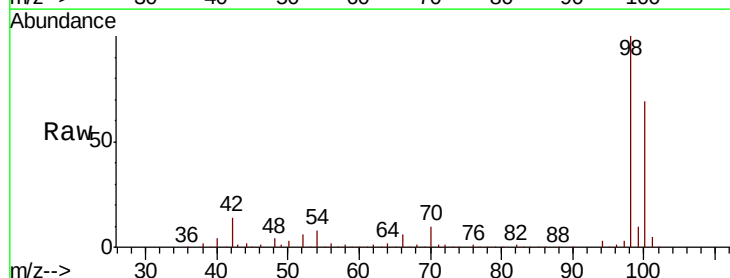
Acq: 28 Sep 2018 13:38

Tgt Ion: 98 Resp: 2475766

Ion Ratio Lower Upper

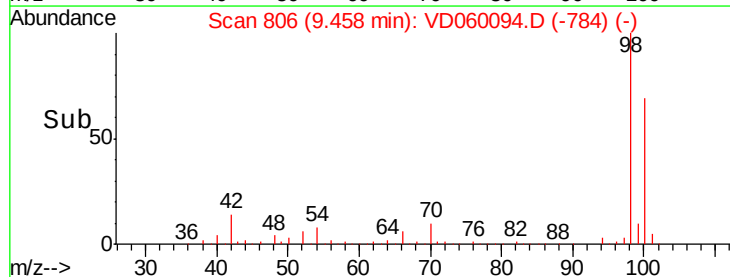
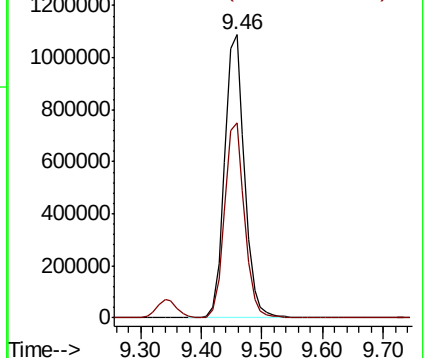
98 100

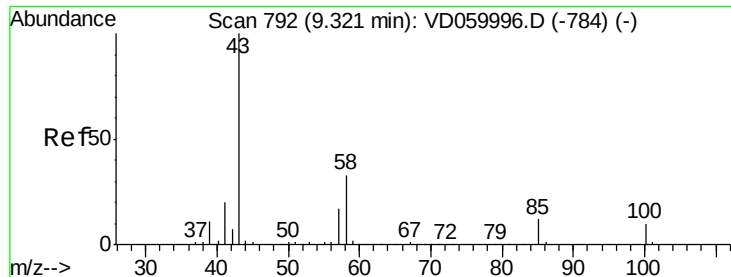
100 69.0 55.8 83.6



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: 112.022 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

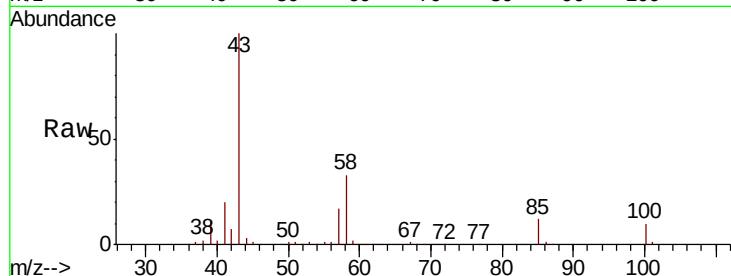
VD0928SBS01

Tot Ion: 43 Resp: 1558181

Ion Ratio Lower Upper

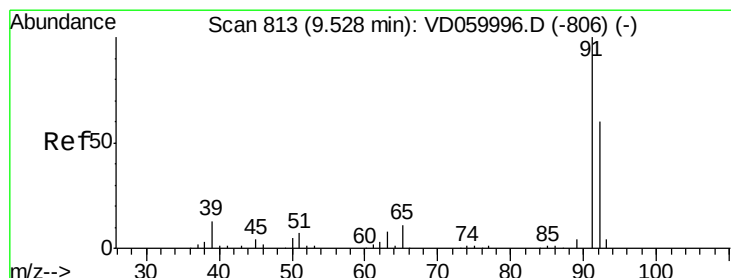
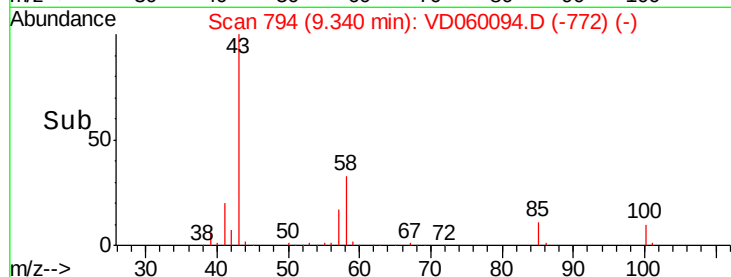
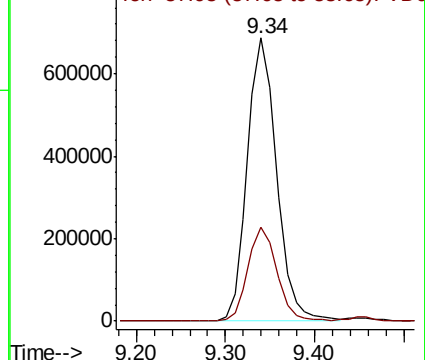
43 100

58 33.0 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.732 ug/l

RT: 9.55 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060094.D

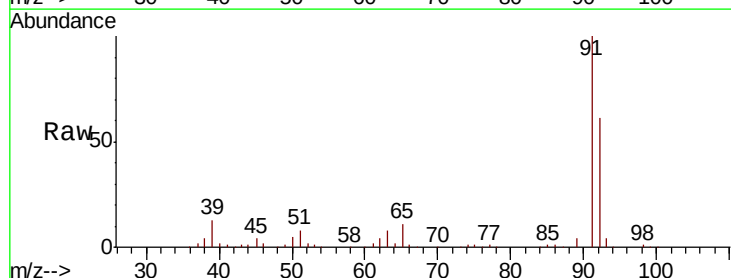
Acq: 28 Sep 2018 13:38

Tgt Ion: 92 Resp: 770831

Ion Ratio Lower Upper

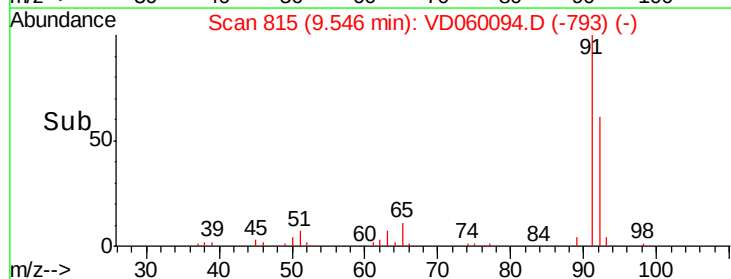
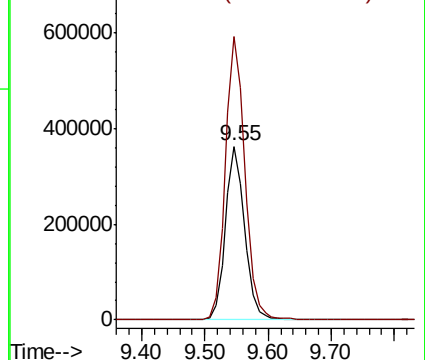
92 100

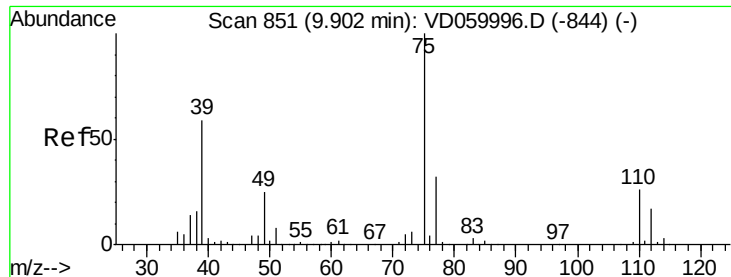
91 163.0 132.3 198.5



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: 20.784 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

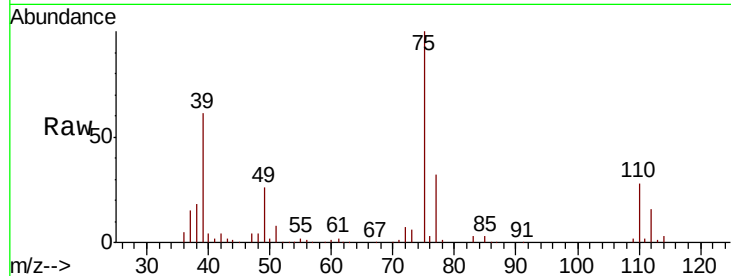
VD0928SBS01

Tot Ion: 75 Resp: 385728

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

200000

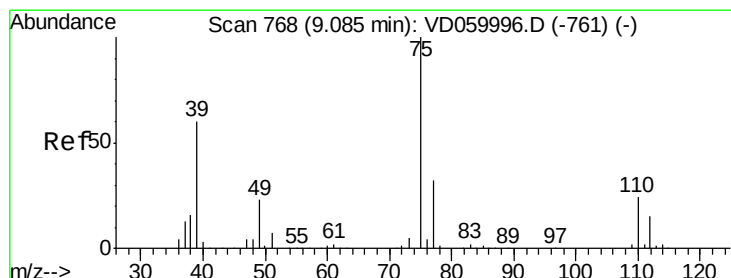
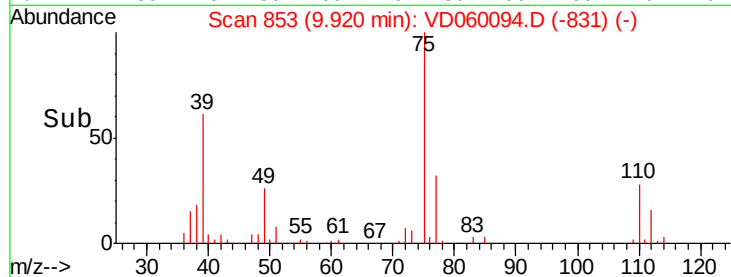
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.964 ug/l

RT: 9.10 min Scan# 770

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

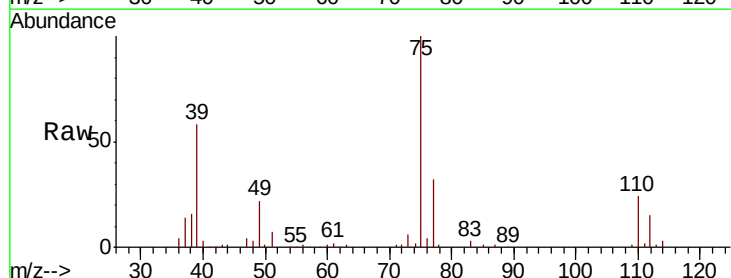
Tgt Ion: 75 Resp: 487050

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

39 58.2 48.0 72.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.10

300000

250000

200000

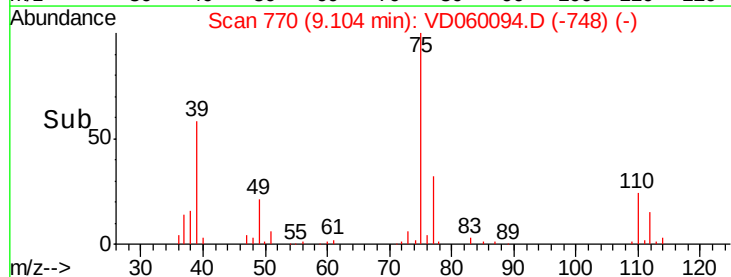
150000

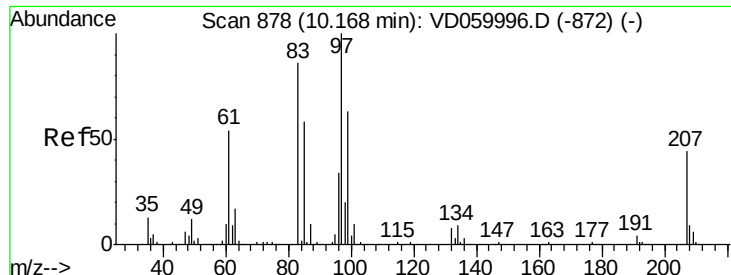
100000

50000

0

Time-->

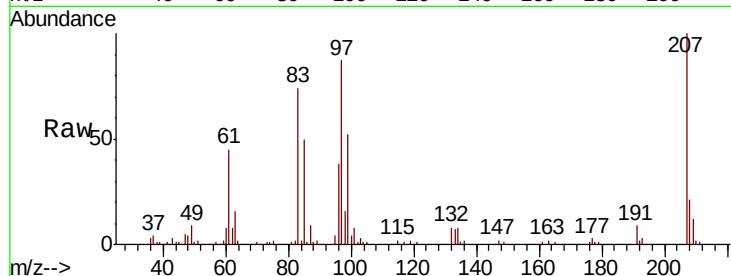




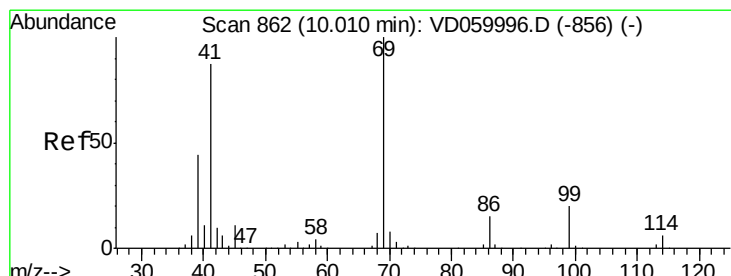
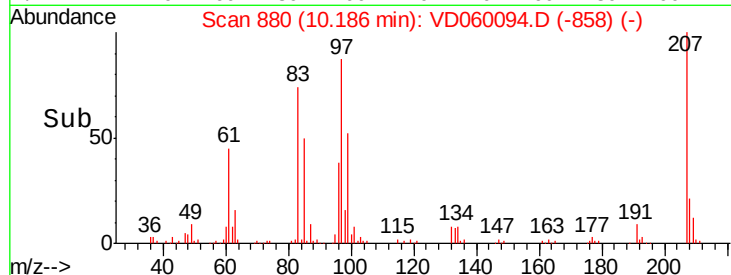
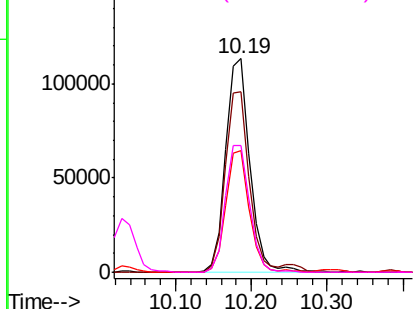
#55
 1,1,2-Trichloroethane
 Concen: 21.289 ug/l
 RT: 10.19 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion:	97	Resp:	250640
Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.1	103.7
85	57.0	46.2	69.4
99	59.5	50.6	75.8

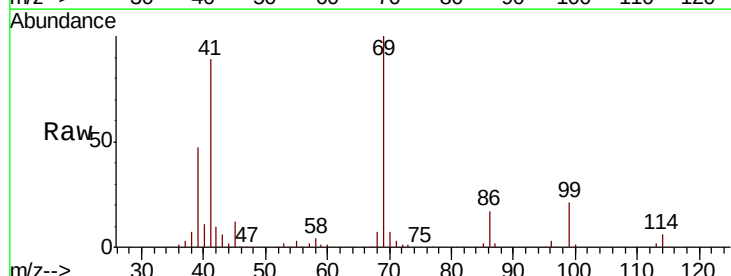


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

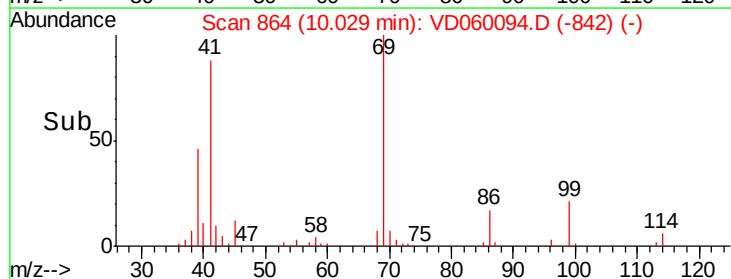
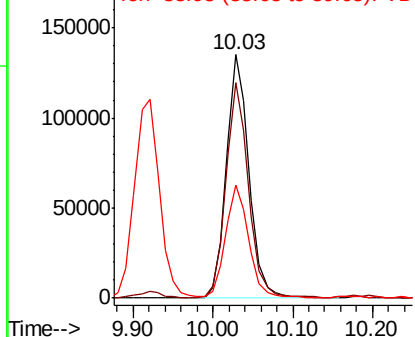


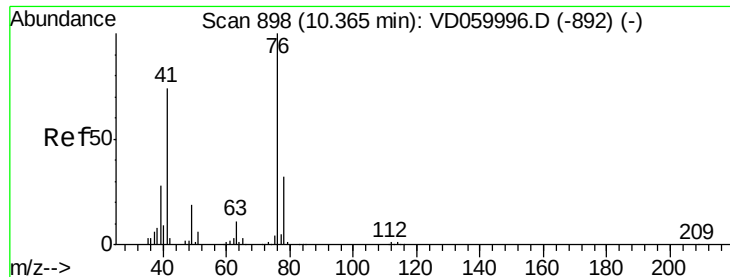
#56
 Ethyl methacrylate
 Concen: 20.666 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion:	69	Resp:	269872
Ion	Ratio	Lower	Upper
69	100		
41	88.5	70.1	105.1
39	46.5	36.5	54.7



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





#57

1,3-Dichloropropane

Concen: 22.143 ug/l

RT: 10.38 min Scan# 900

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

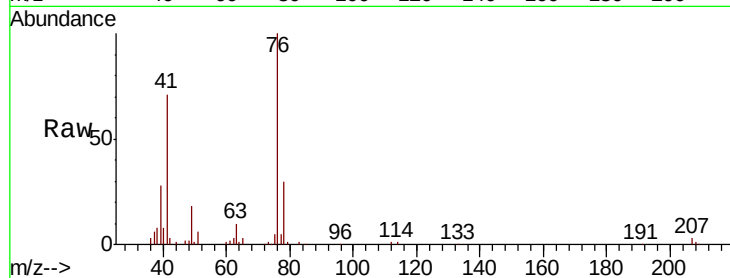
VD0928SBS01

Tot Ion: 76 Resp: 384811

Ion Ratio Lower Upper

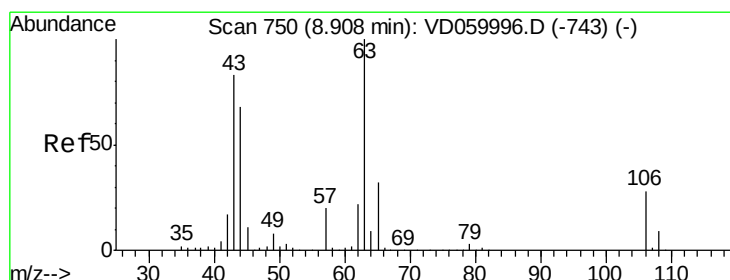
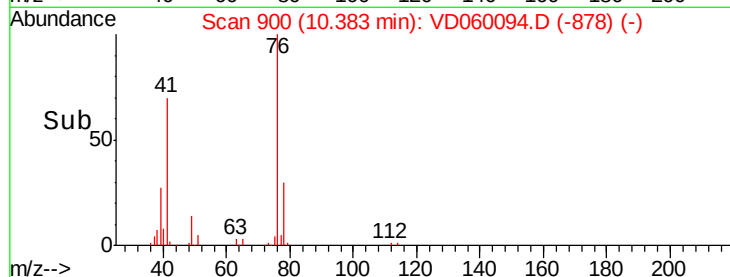
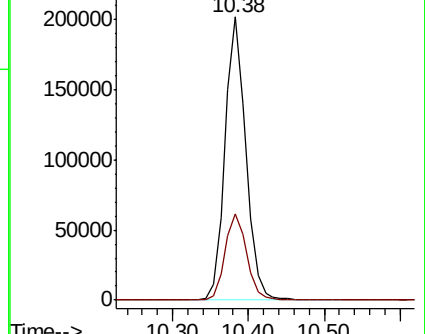
76 100

78 30.3 25.3 37.9



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: 109.657 ug/l

RT: 8.92 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD060094.D

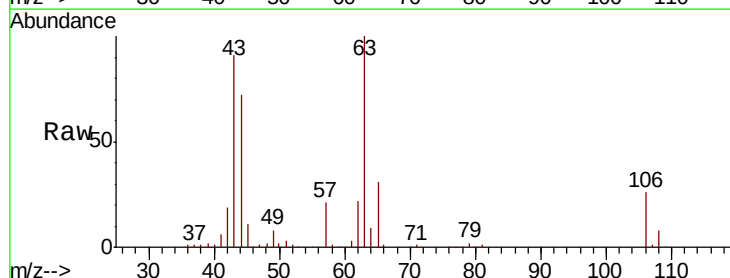
Acq: 28 Sep 2018 13:38

Tgt Ion: 63 Resp: 691487

Ion Ratio Lower Upper

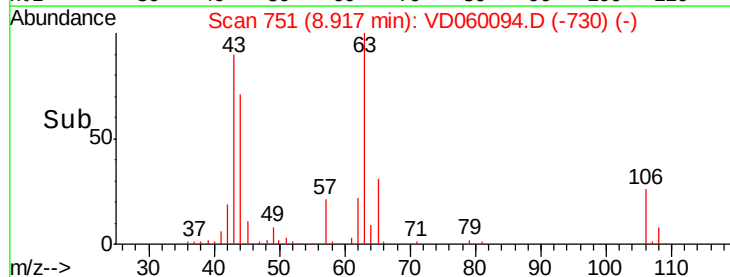
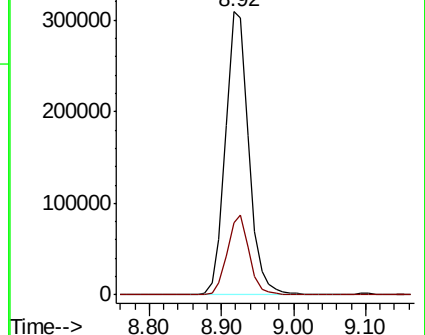
63 100

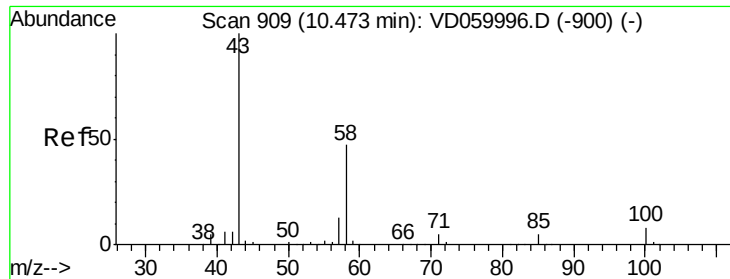
106 25.7 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

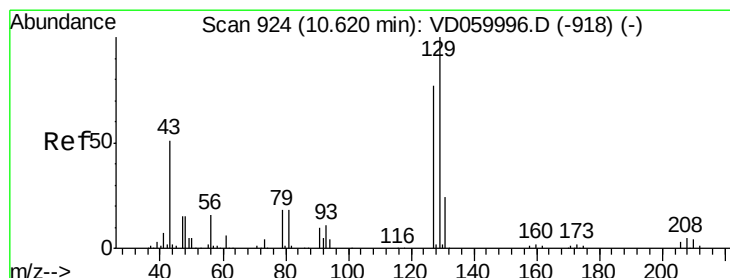
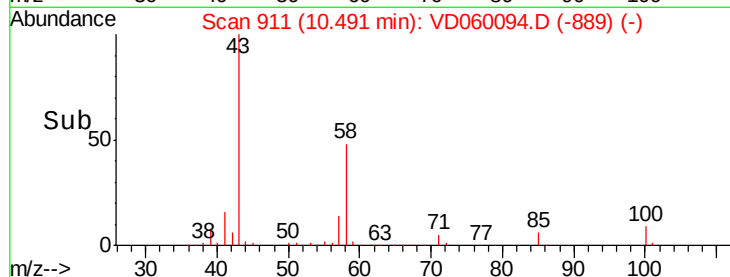
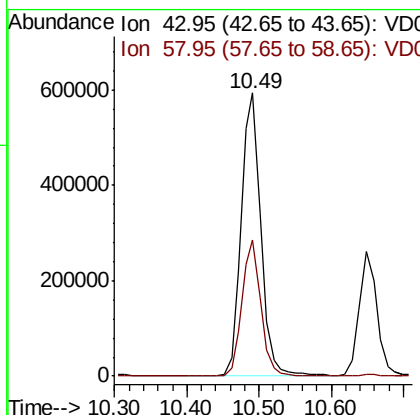
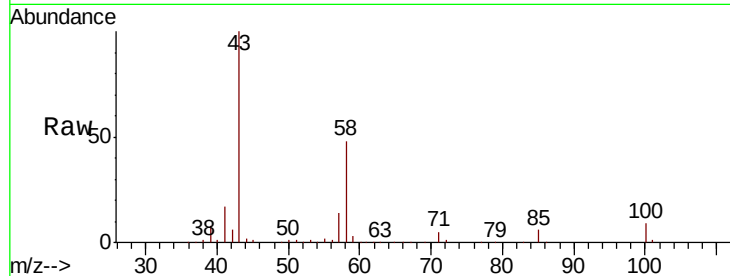




#59
2-Hexanone
Concen: 112.838 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

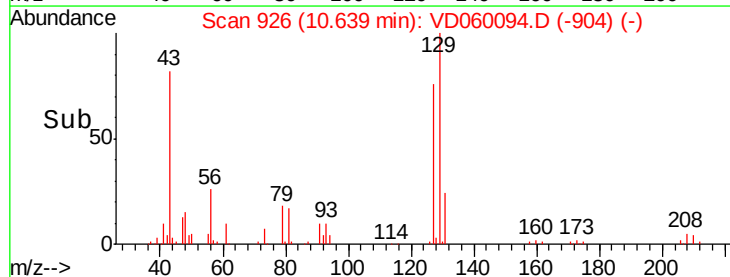
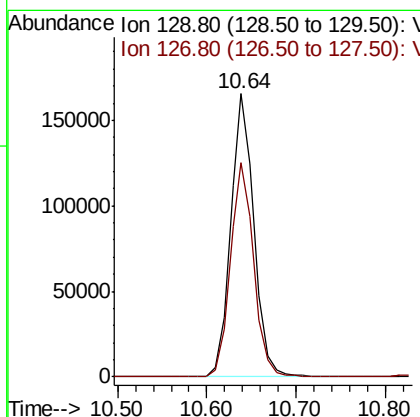
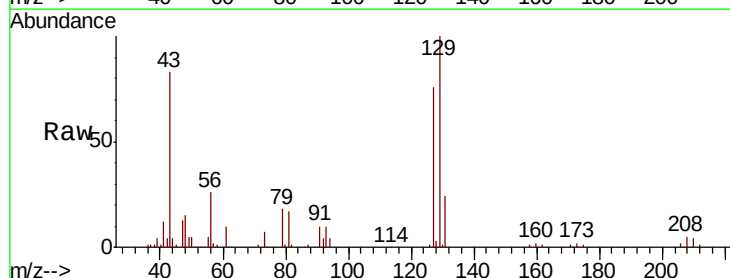
Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

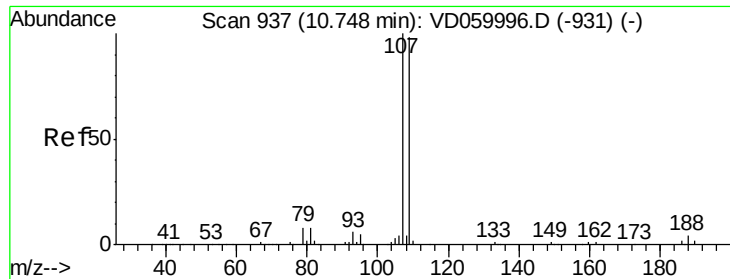
Tot Ion: 43 Resp: 1128853
Ion Ratio Lower Upper
43 100
58 48.3 23.4 70.0



#60
Dibromochloromethane
Concen: 21.004 ug/l
RT: 10.64 min Scan# 926
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion: 129 Resp: 300976
Ion Ratio Lower Upper
129 100
127 75.8 38.6 116.0

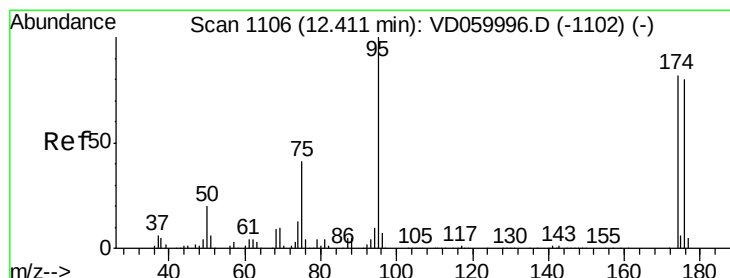
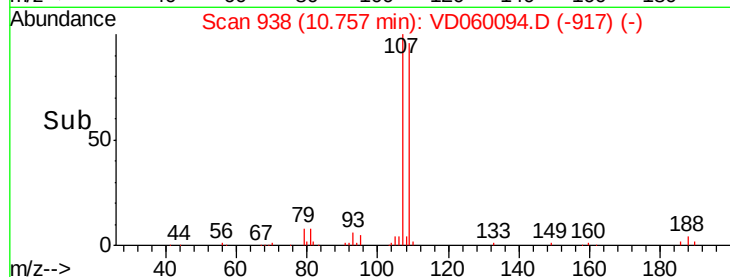
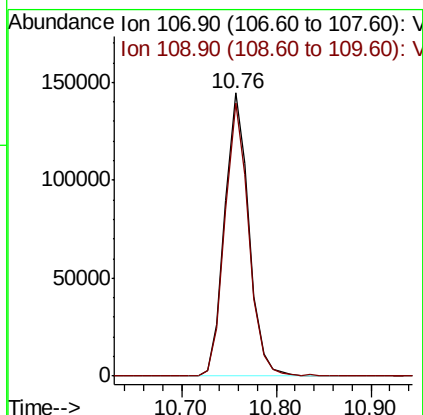
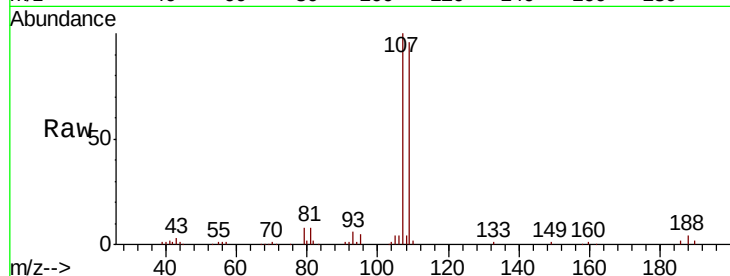




#61
 1,2-Dibromoethane
 Concen: 20.979 ug/l
 RT: 10.76 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

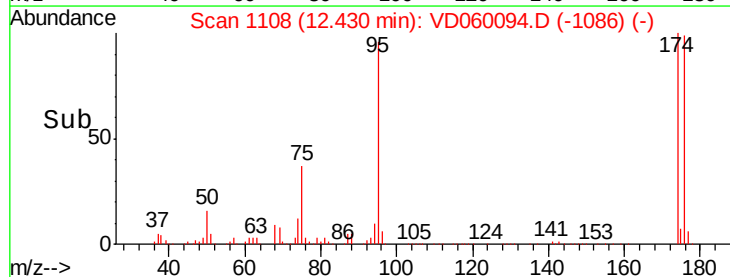
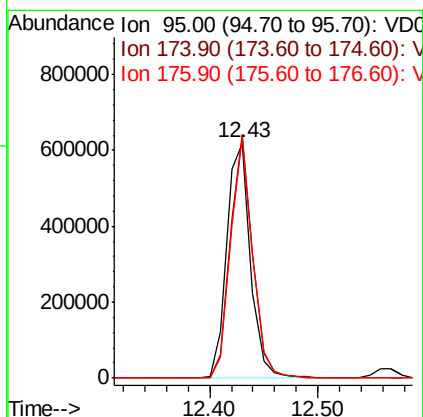
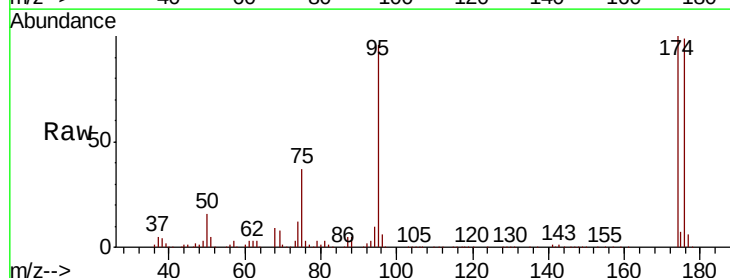
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

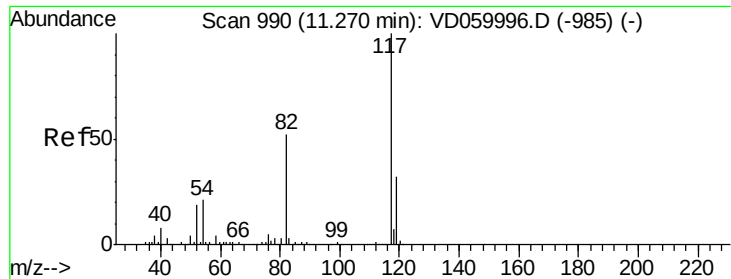
Tot Ion:107 Resp: 255015
 Ion Ratio Lower Upper
 107 100
 109 96.4 78.2 117.2



#62
 4-Bromofluorobenzene
 Concen: 20.979 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion: 95 Resp: 943455
 Ion Ratio Lower Upper
 95 100
 174 103.7 0.0 165.0
 176 102.7 0.0 160.2

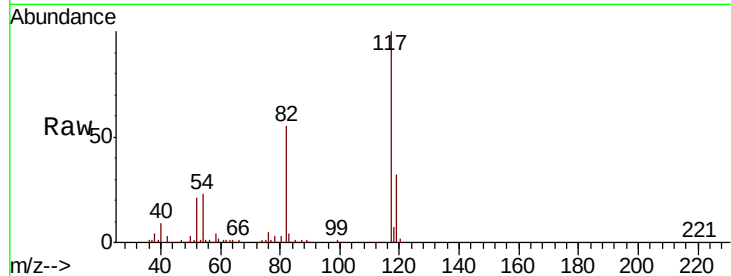




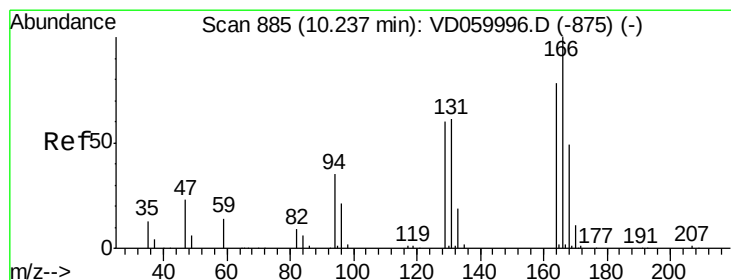
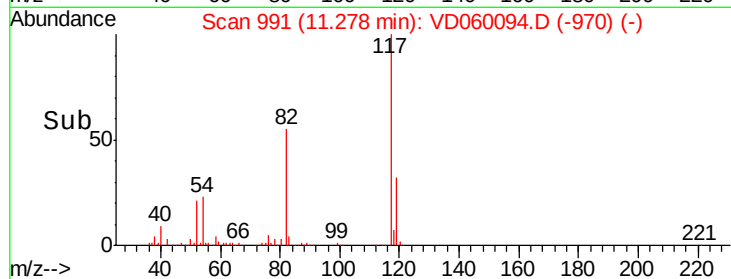
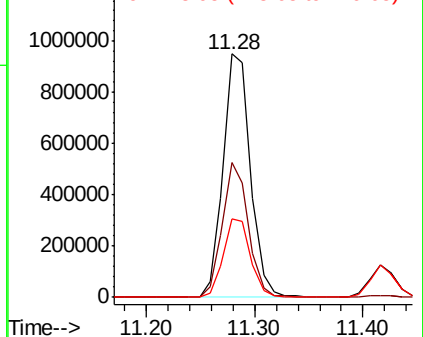
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion:117 Resp: 1673622
Ion Ratio Lower Upper
117 100
82 55.1 41.7 62.5
119 32.1 26.0 39.0

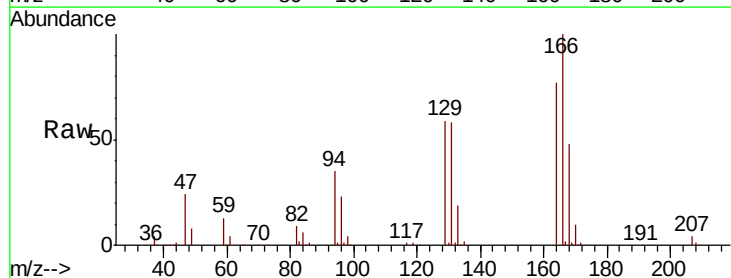


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

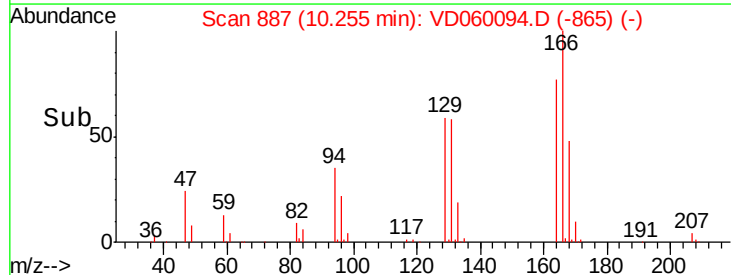
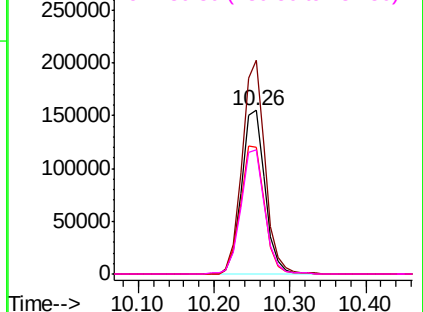


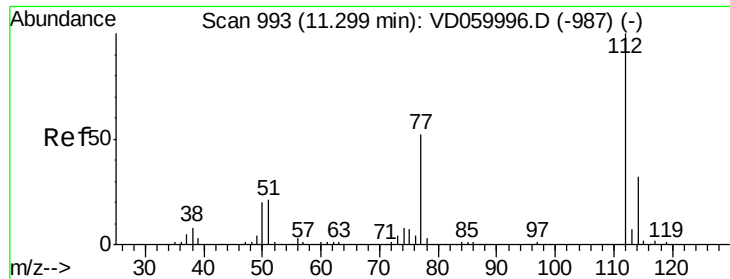
#64
Tetrachloroethene
Concen: 22.265 ug/l
RT: 10.26 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion:164 Resp: 328773
Ion Ratio Lower Upper
164 100
166 130.6 103.0 154.6
129 77.7 61.9 92.9
131 75.9 62.6 93.8



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

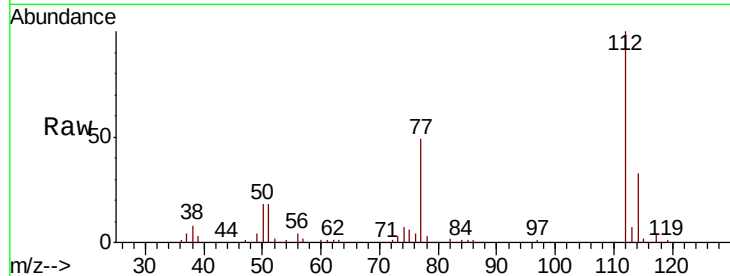




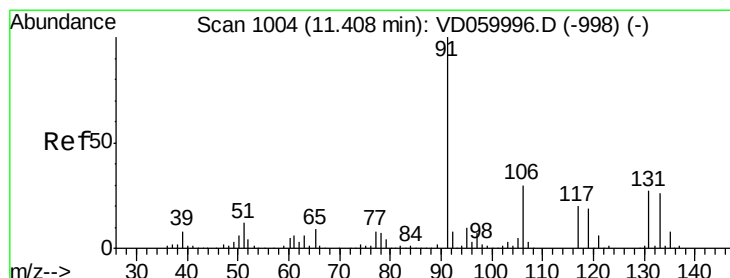
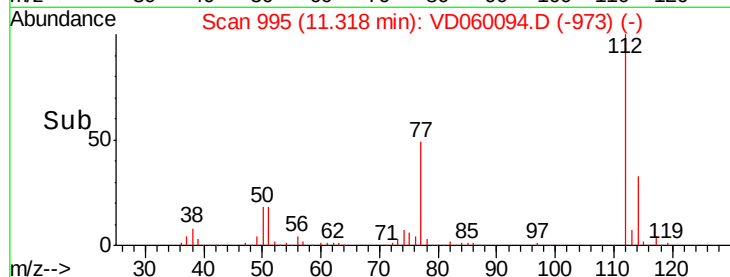
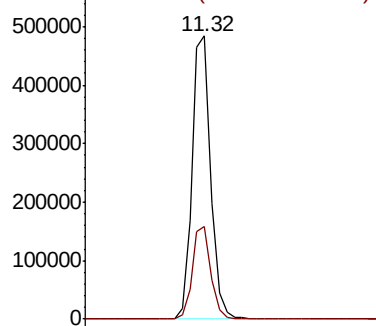
#65
Chlorobenzene
Concen: 23.082 ug/l
RT: 11.32 min Scan# 995
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion:112 Resp: 830526
Ion Ratio Lower Upper
112 100
114 32.8 25.3 37.9

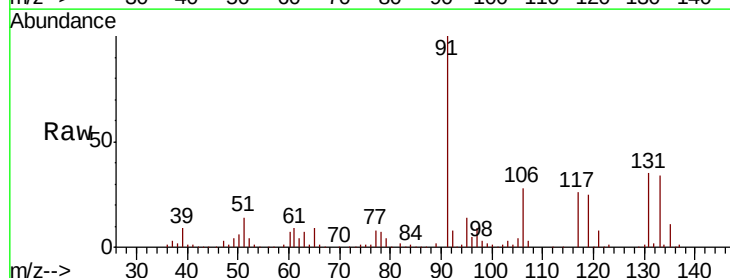


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

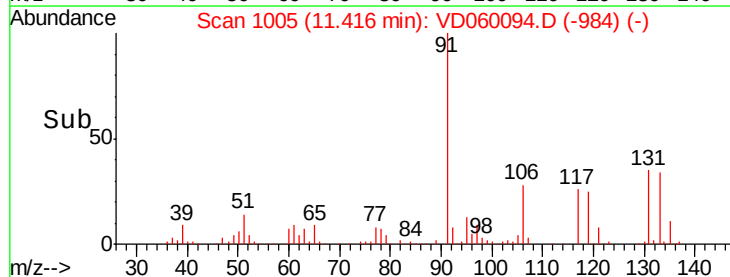
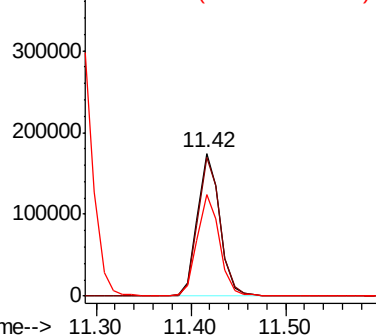


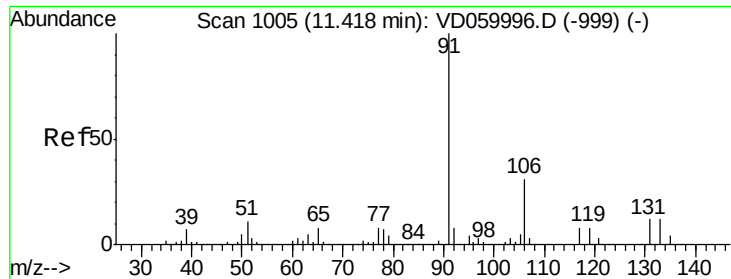
#66
1,1,1,2-Tetrachloroethane
Concen: 23.529 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion:131 Resp: 285555
Ion Ratio Lower Upper
131 100
133 97.1 47.4 142.3
119 71.5 35.6 106.9



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

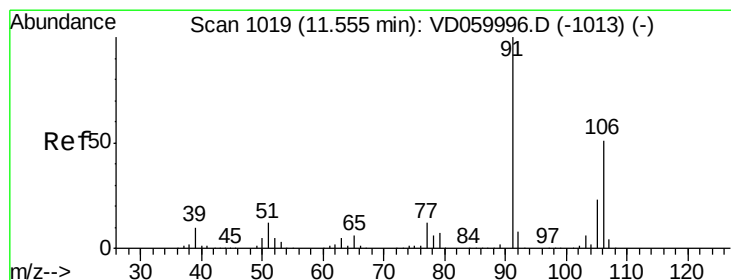
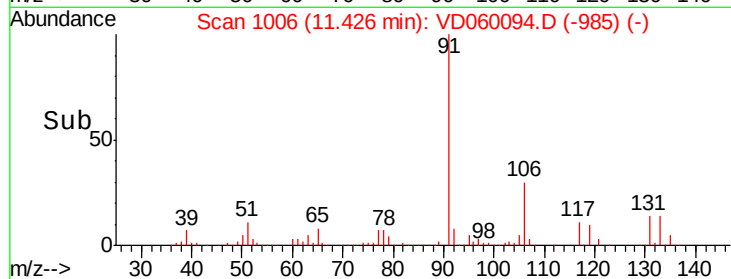
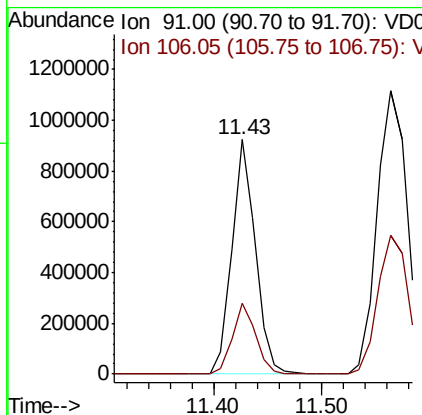
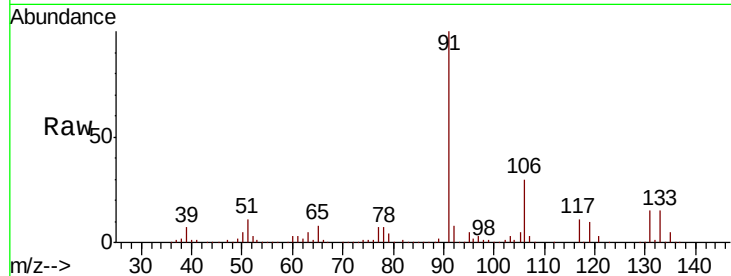




#67
Ethyl Benzene
Concen: 24.192 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

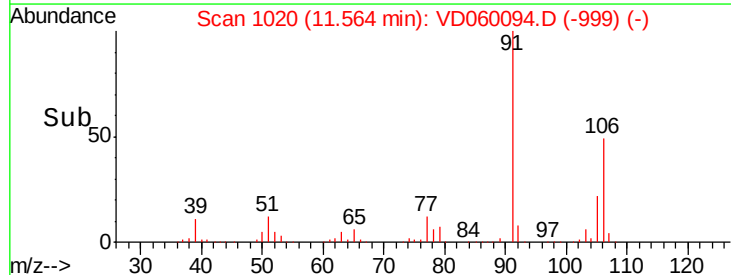
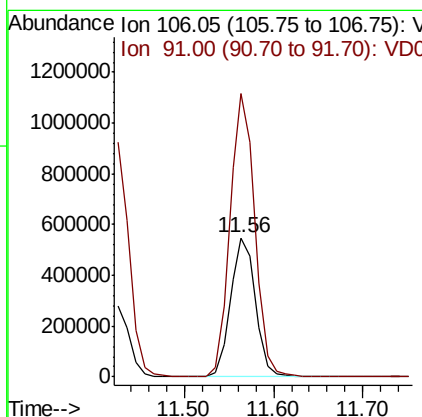
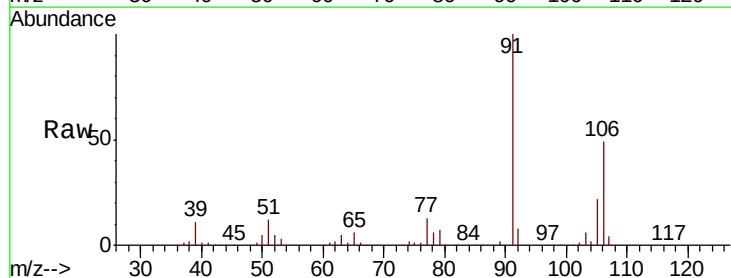
Instrument :
MSVOA_D
ClientSampleID :
VD0928SBS01

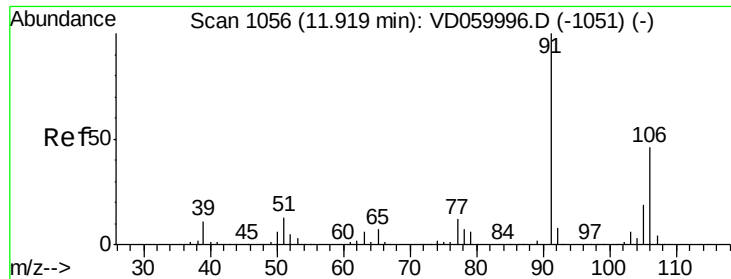
Tot Ion: 91 Resp: 1400853
Ion Ratio Lower Upper
91 100
106 30.0 24.8 37.2



#68
m/p-Xylenes
Concen: 49.736 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion: 106 Resp: 1063632
Ion Ratio Lower Upper
106 100
91 203.7 157.0 235.6

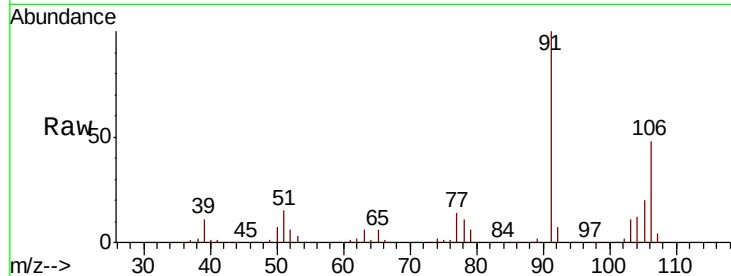




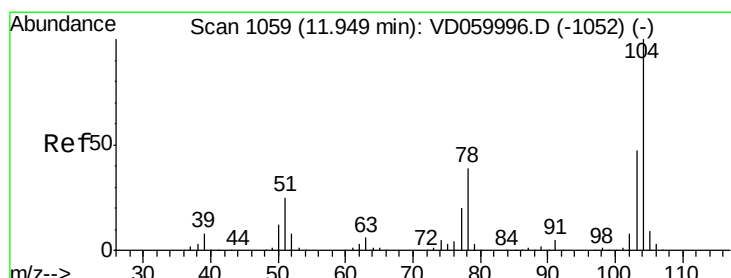
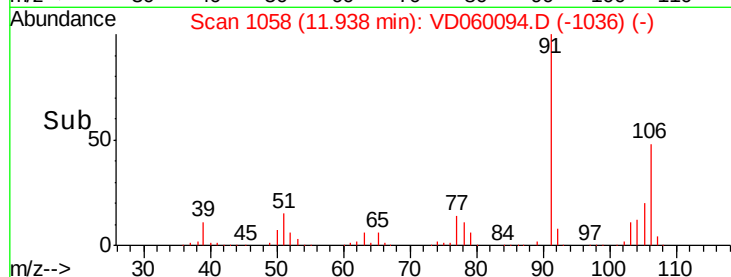
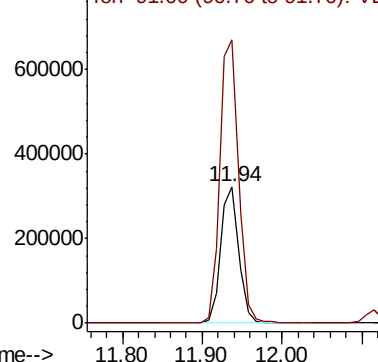
#69
o-Xylene
Concen: 23.501 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion:106 Resp: 497982
Ion Ratio Lower Upper
106 100
91 207.4 107.7 323.1

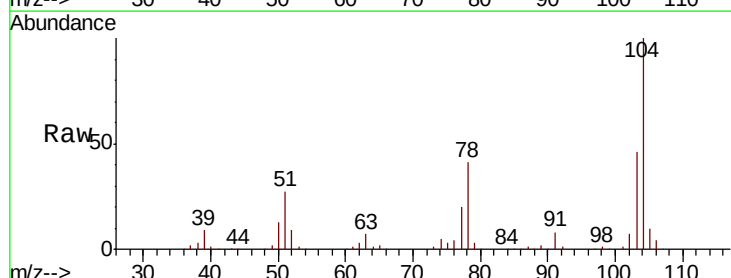


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

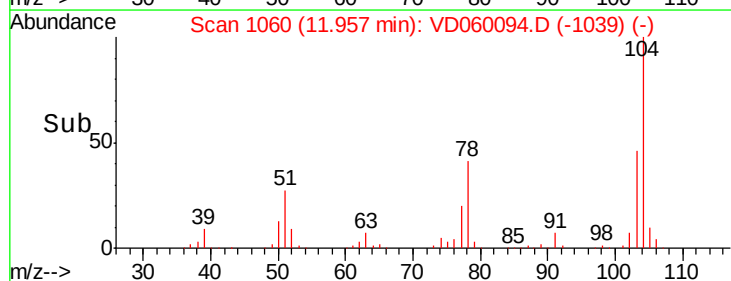
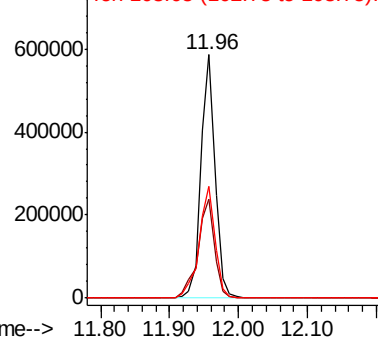


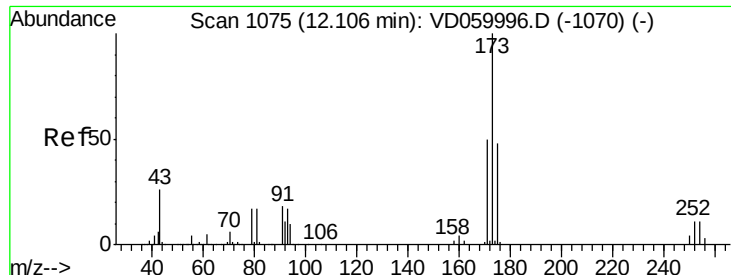
#70
Styrene
Concen: 23.336 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion:104 Resp: 831460
Ion Ratio Lower Upper
104 100
78 40.6 31.0 46.4
103 46.2 37.6 56.4



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: 20.575 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

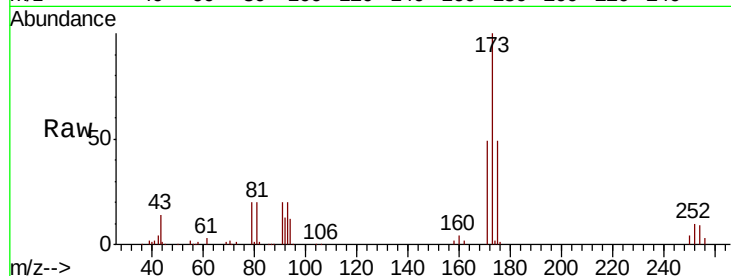
Tot Ion:173 Resp: 214535

Ion Ratio Lower Upper

173 100

175 49.4 24.0 72.0

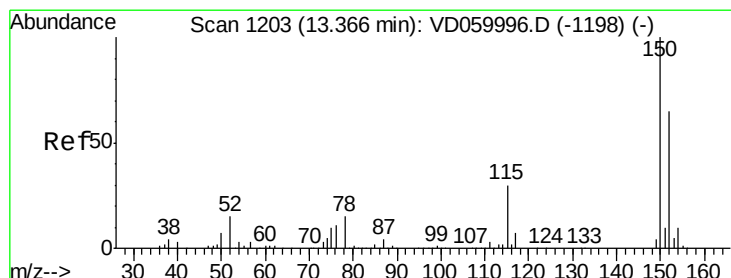
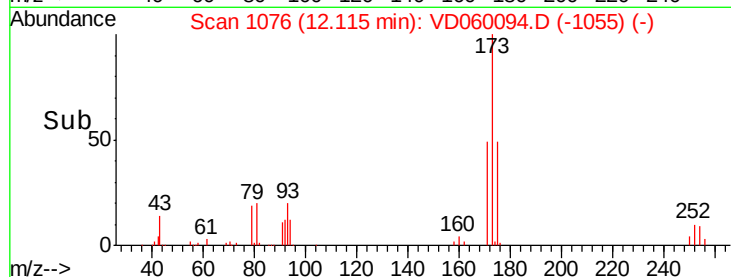
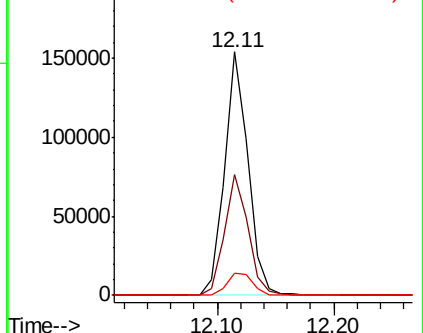
254 9.2 8.6 13.0



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: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

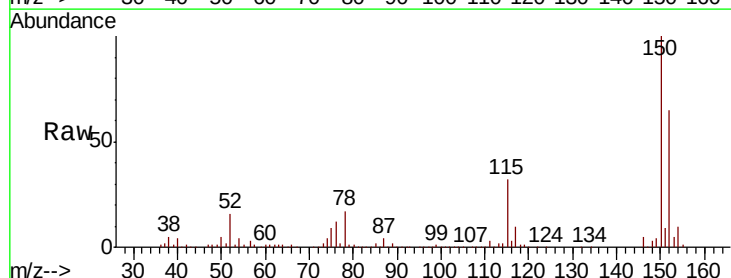
Tgt Ion:152 Resp: 906094

Ion Ratio Lower Upper

152 100

115 49.6 24.6 73.8

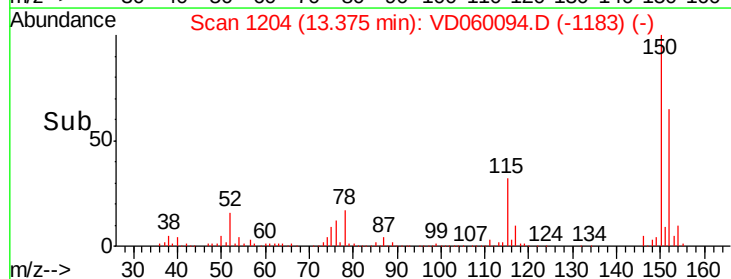
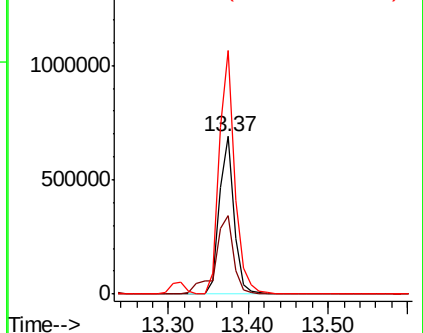
150 154.8 0.0 313.4

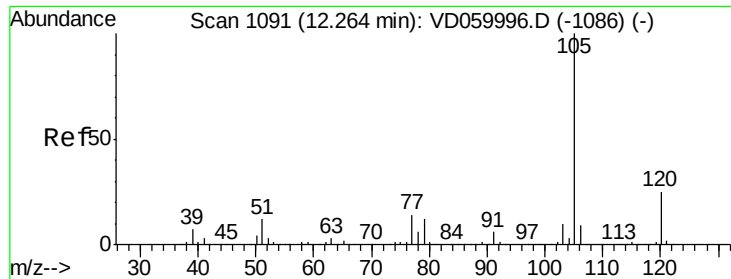


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.394 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

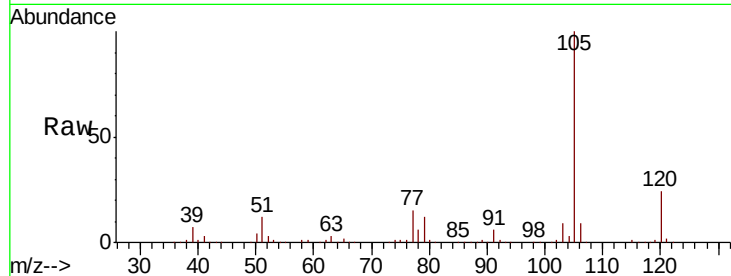
VD0928SBS01

Tot Ion:105 Resp: 1390179

Ion Ratio Lower Upper

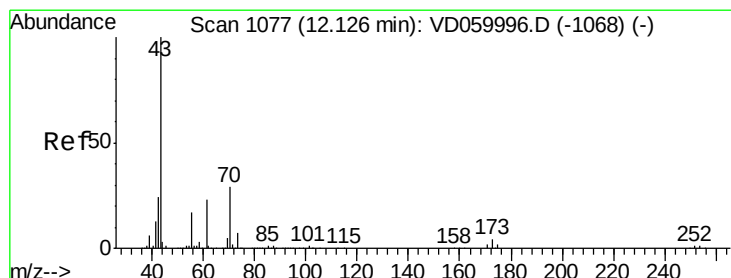
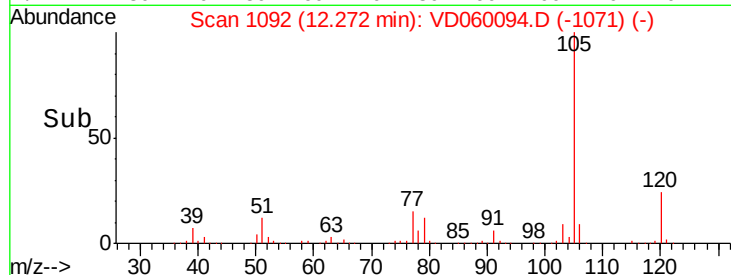
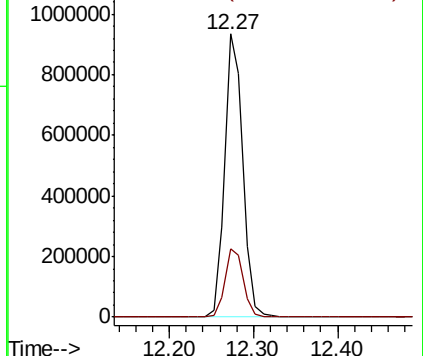
105 100

120 24.3 12.3 36.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.960 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Tgt Ion: 43 Resp: 493382

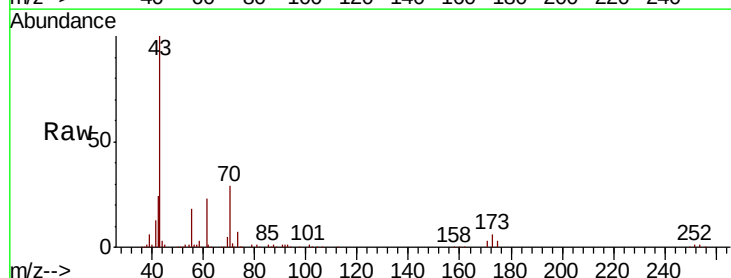
Ion Ratio Lower Upper

43 100

70 28.5 22.9 34.3

55 17.6 14.0 21.0

61 22.8 18.7 28.1

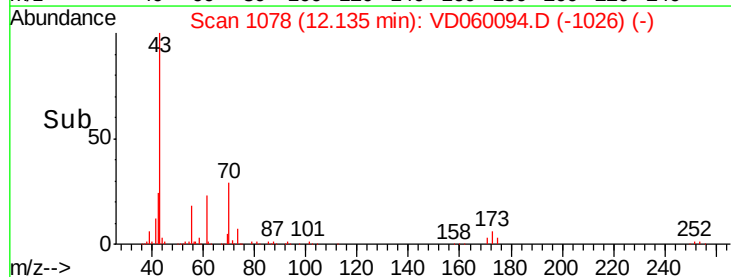
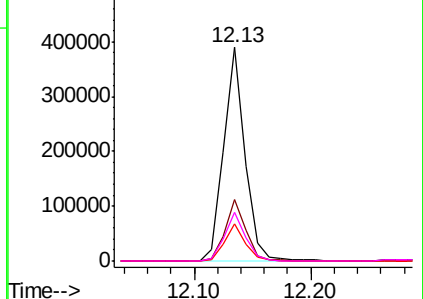


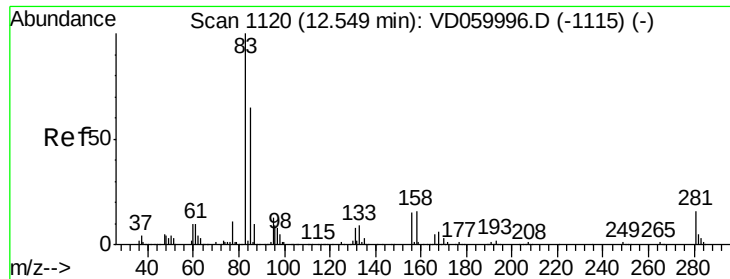
Abundance Ion 42.95 (42.65 to 43.65): V

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: 21.234 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

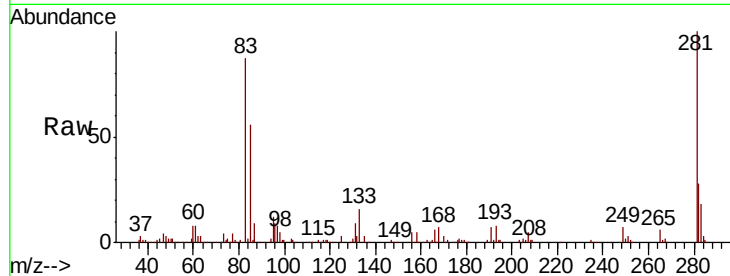
Tot Ion: 83 Resp: 286261

Ion Ratio Lower Upper

83 100

131 10.3 4.1 12.3

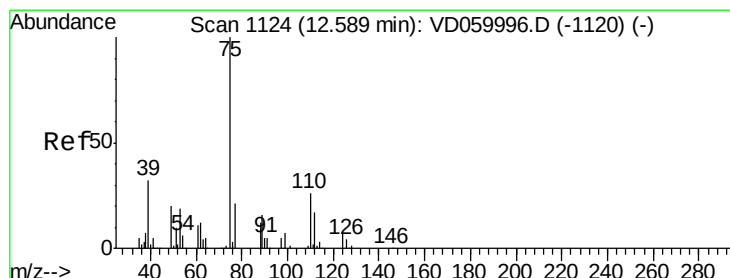
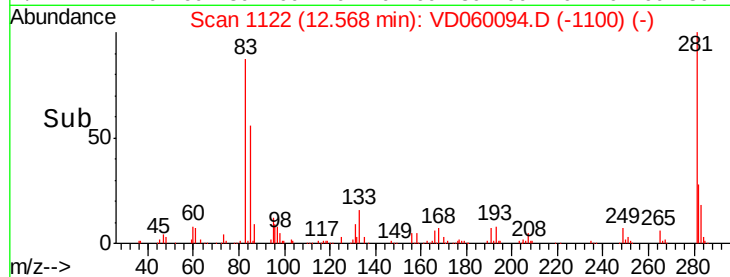
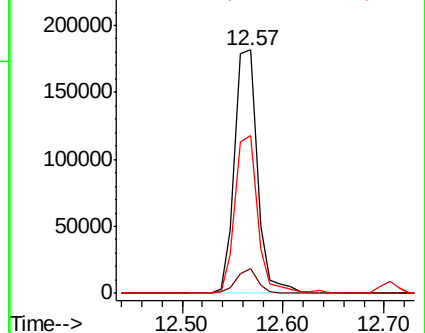
85 64.9 32.4 97.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.334 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060094.D

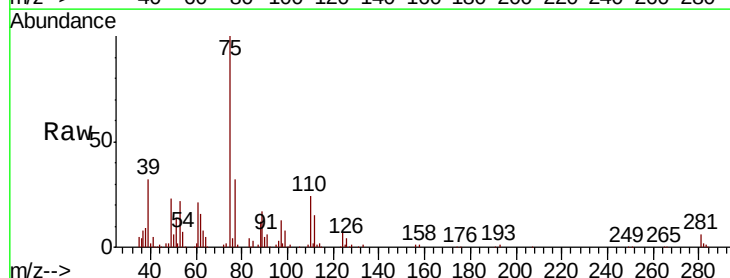
Acq: 28 Sep 2018 13:38

Tgt Ion: 75 Resp: 281397

Ion Ratio Lower Upper

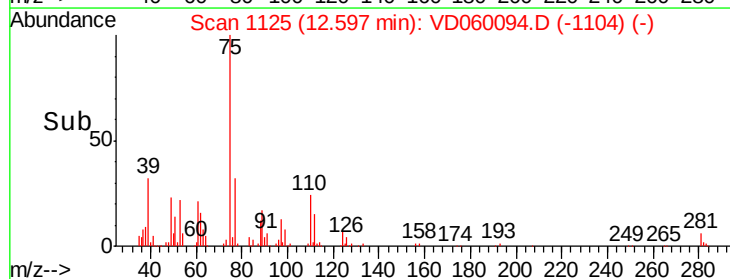
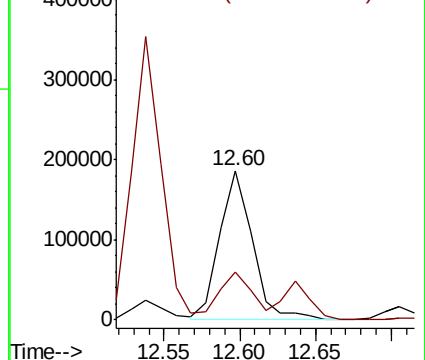
75 100

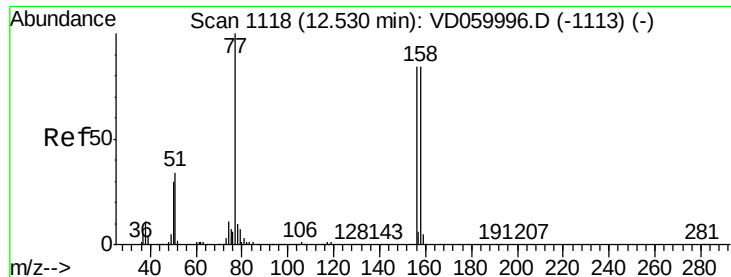
77 32.2 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.522 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

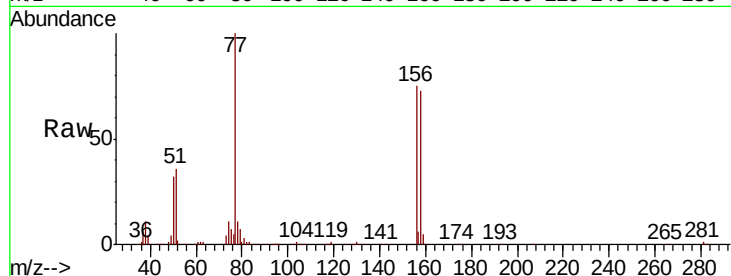
Tot Ion:156 Resp: 385531

Ion Ratio Lower Upper

156 100

77 134.1 59.5 178.4

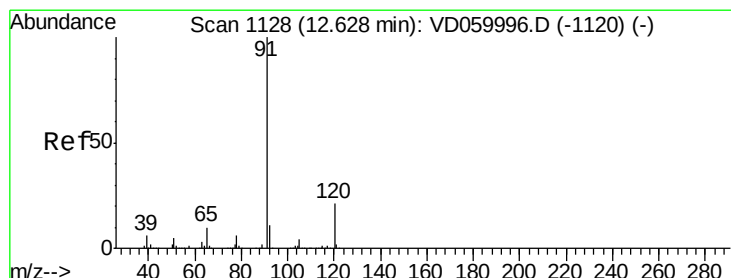
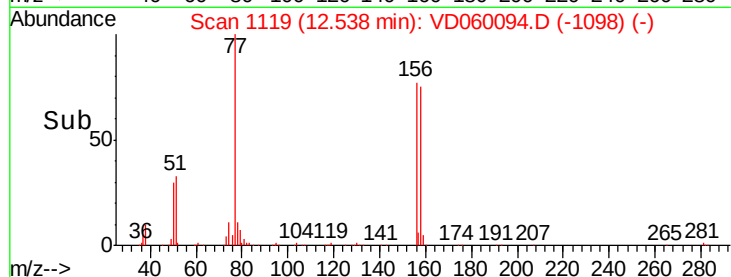
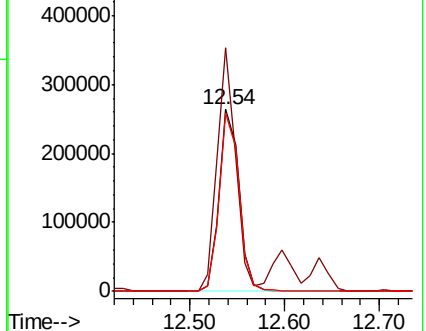
158 98.0 50.0 149.8



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: 23.162 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060094.D

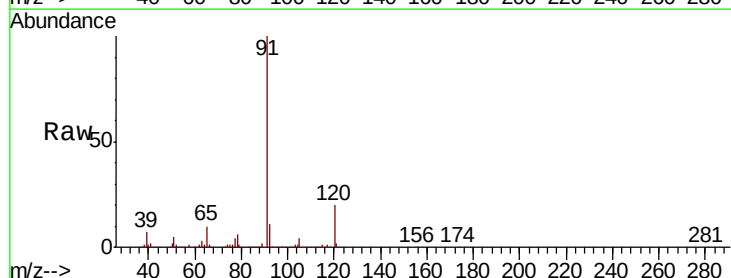
Acq: 28 Sep 2018 13:38

Tgt Ion: 91 Resp: 1730873

Ion Ratio Lower Upper

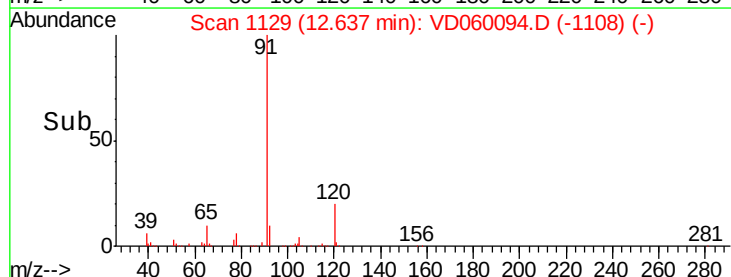
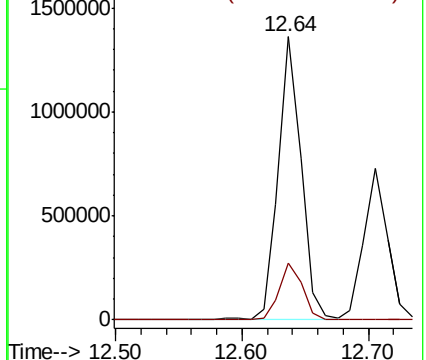
91 100

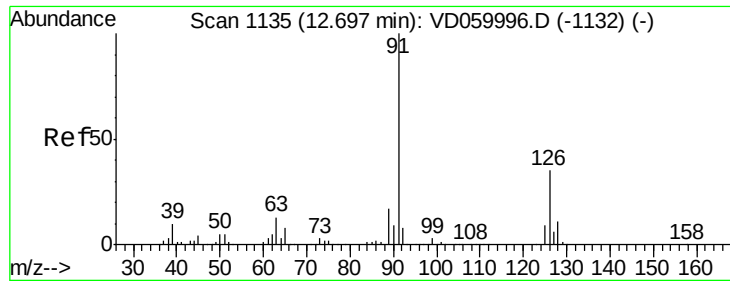
120 20.0 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.291 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

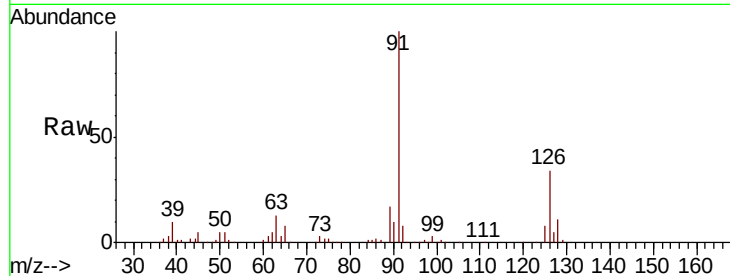
VD0928SBS01

Tot Ion: 91 Resp: 940204

Ion Ratio Lower Upper

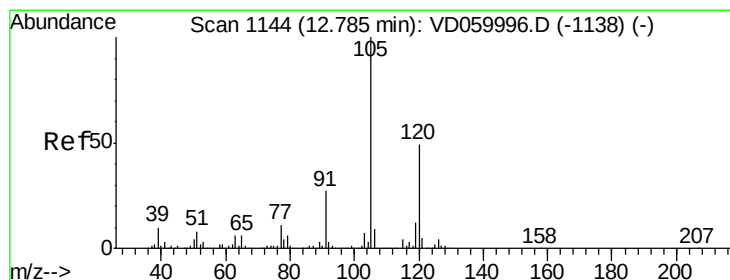
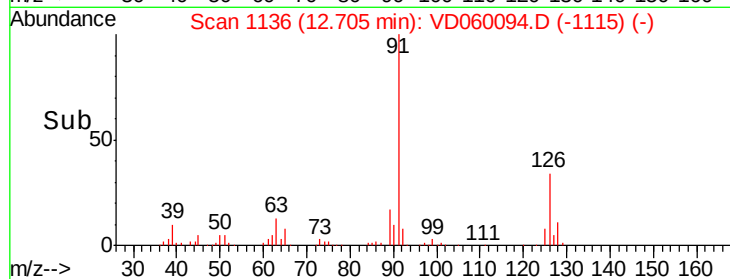
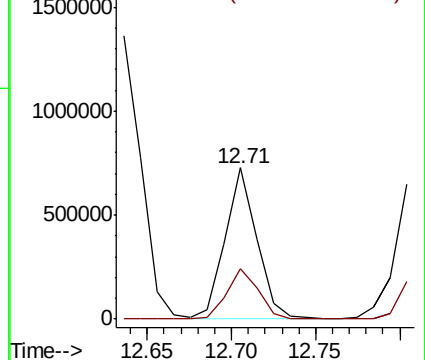
91 100

126 33.7 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VD0

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 24.417 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060094.D

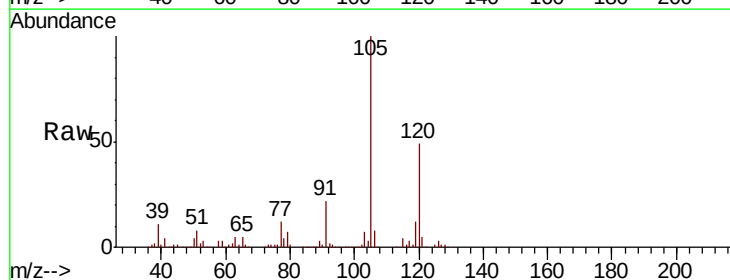
Acq: 28 Sep 2018 13:38

Tgt Ion:105 Resp: 1112130

Ion Ratio Lower Upper

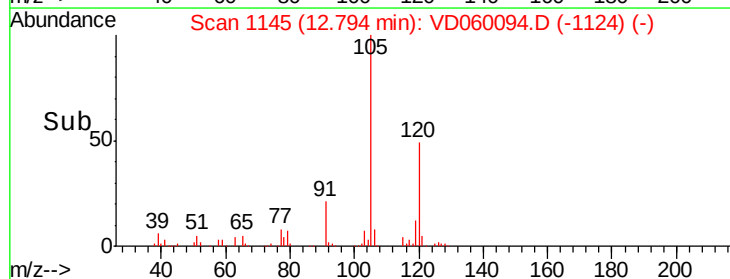
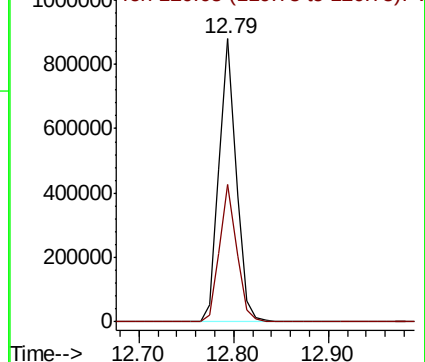
105 100

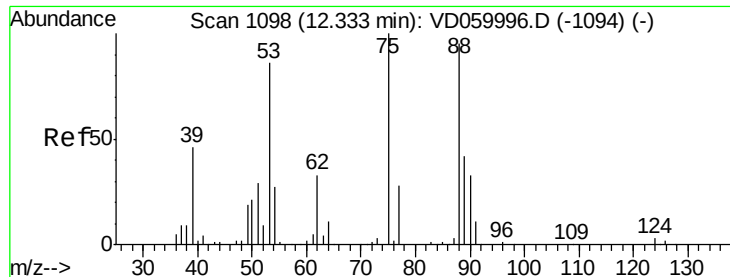
120 48.6 24.4 73.2



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: 19.920 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

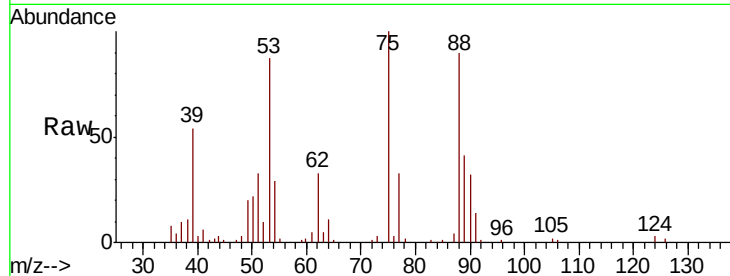
Tot Ion: 75 Resp: 83213

Ion Ratio Lower Upper

75 100

53 87.4 68.4 102.6

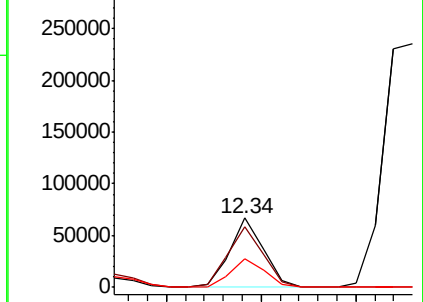
89 41.3 33.8 50.6



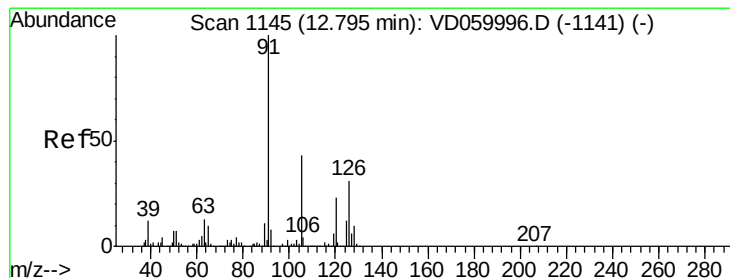
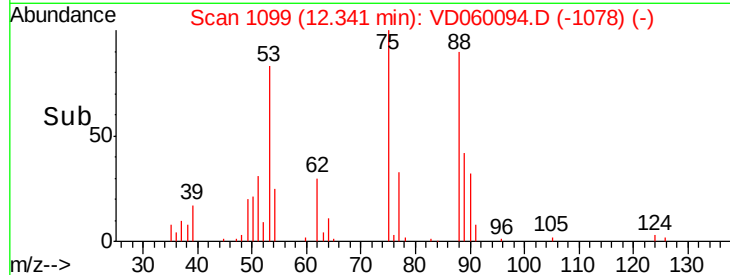
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



Time-->



#82

4-Chlorotoluene

Concen: 23.953 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.02 min

Lab File: VD060094.D

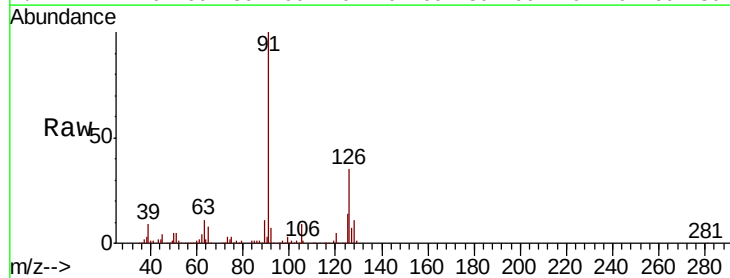
Acq: 28 Sep 2018 13:38

Tgt Ion: 91 Resp: 1110739

Ion Ratio Lower Upper

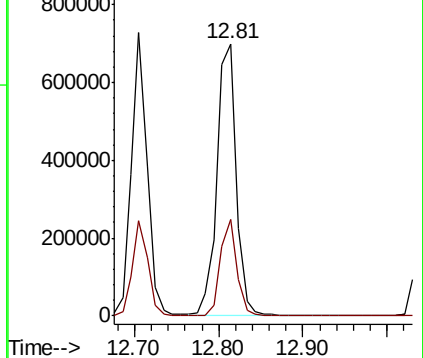
91 100

126 35.3 15.4 46.1

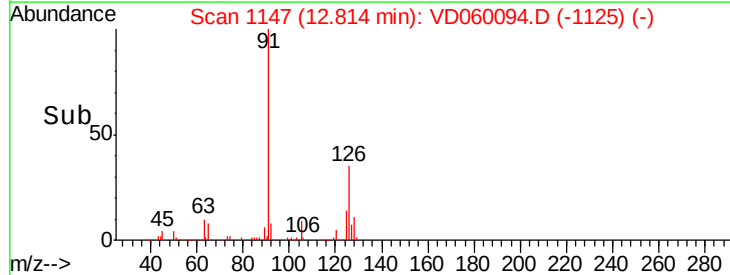


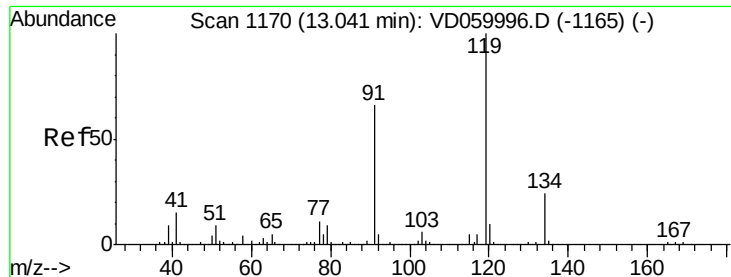
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V



Time-->

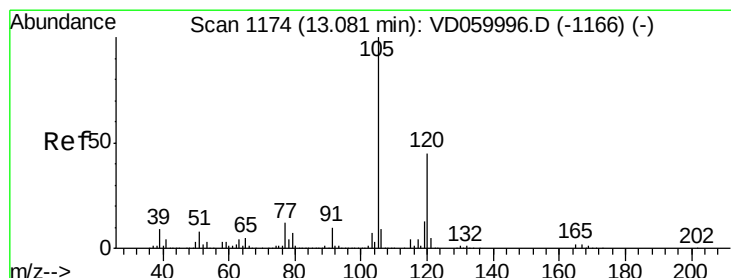
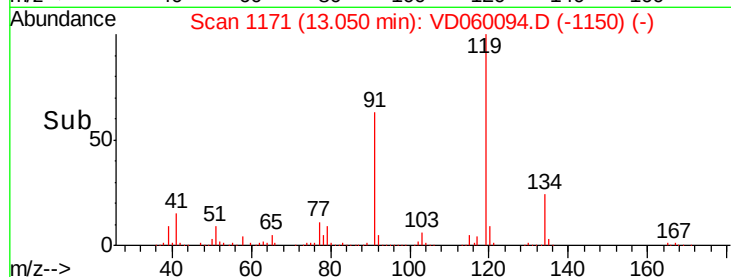
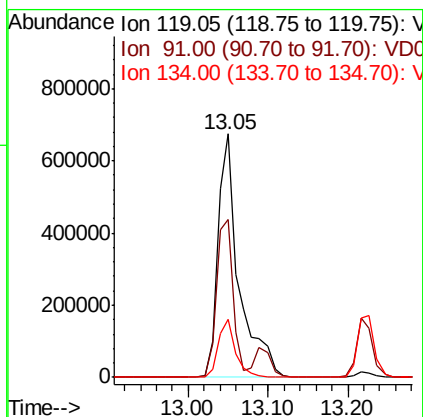
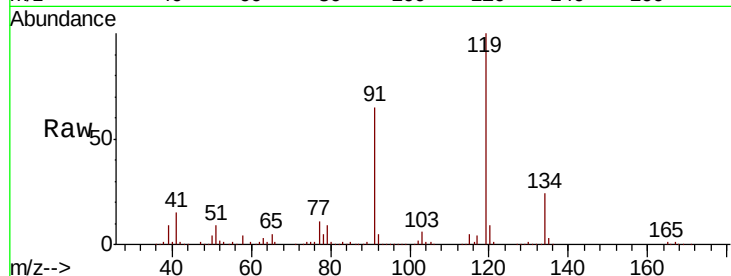




#83
 tert-Butylbenzene
 Concen: 23.706 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

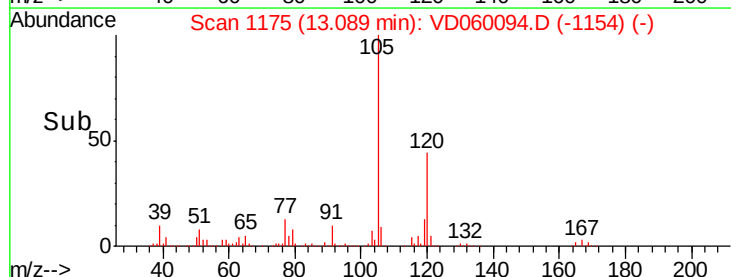
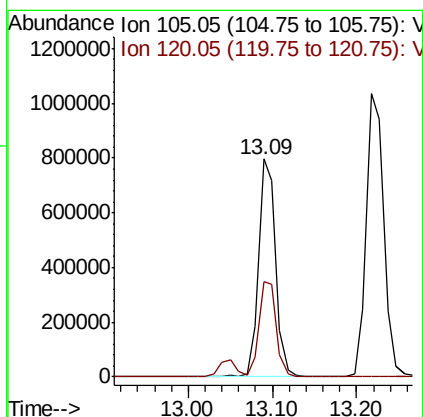
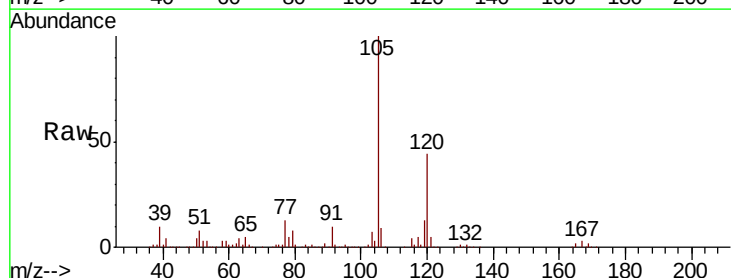
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

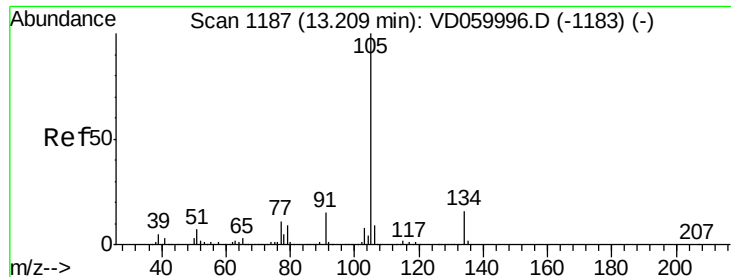
Tot Ion:119 Resp: 1250914
 Ion Ratio Lower Upper
 119 100
 91 64.6 32.9 98.6
 134 23.9 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 23.427 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion:105 Resp: 1138713
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.4 67.0





#85

sec-Butylbenzene

Concen: 23.893 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

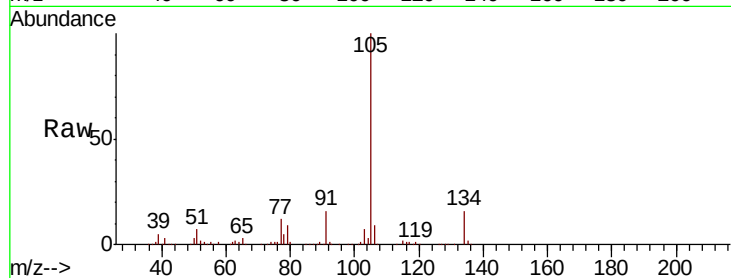
VD0928SBS01

Tot Ion:105 Resp: 1496608

Ion Ratio Lower Upper

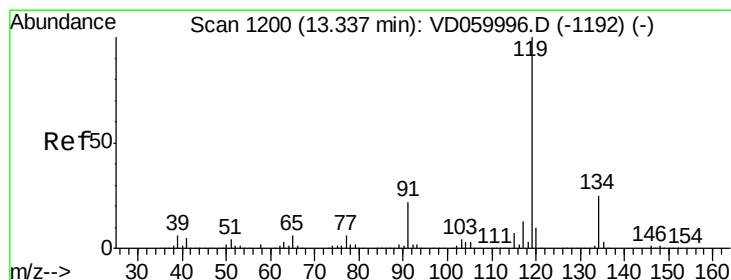
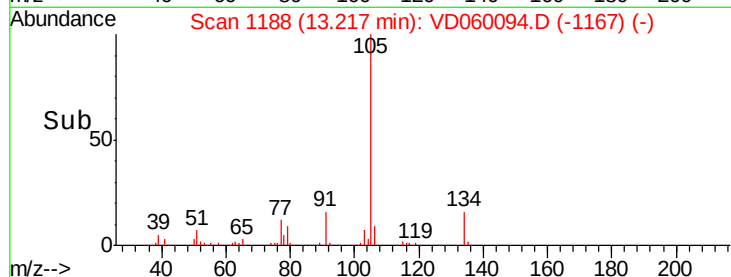
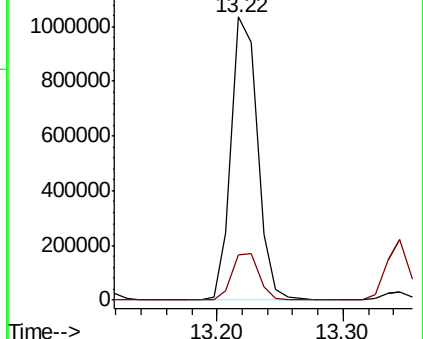
105 100

134 15.8 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 23.285 ug/l

RT: 13.35 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

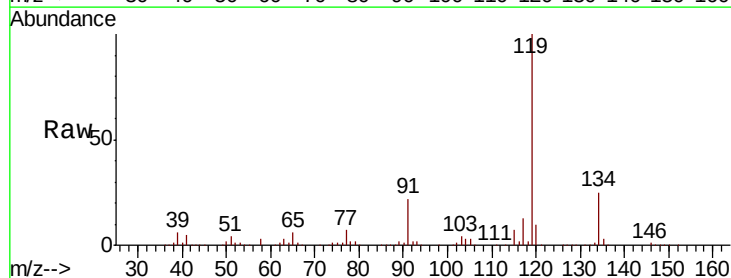
Tgt Ion:119 Resp: 1179654

Ion Ratio Lower Upper

119 100

134 24.5 12.8 38.3

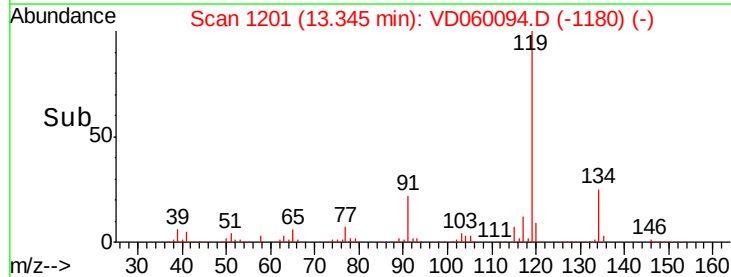
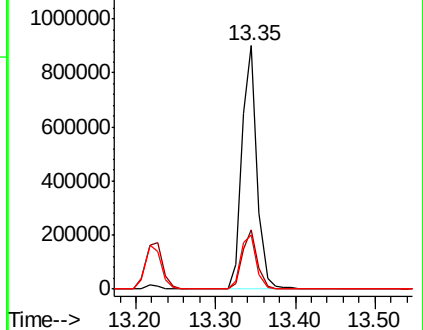
91 22.3 11.1 33.3

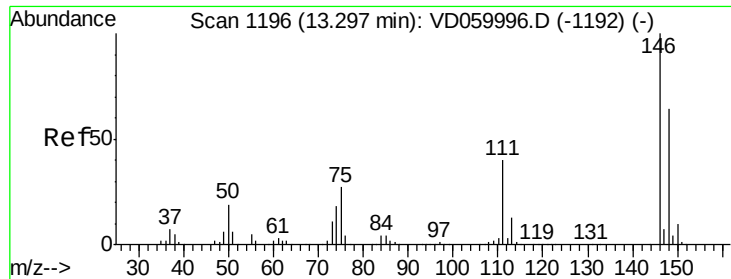


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

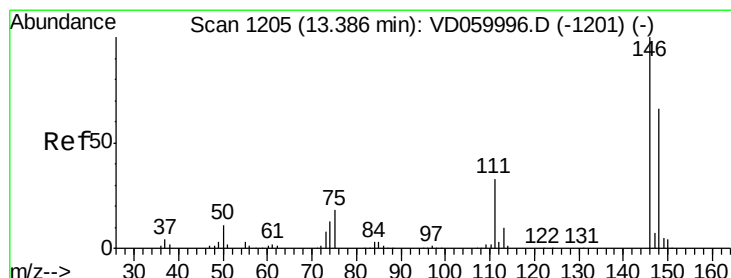
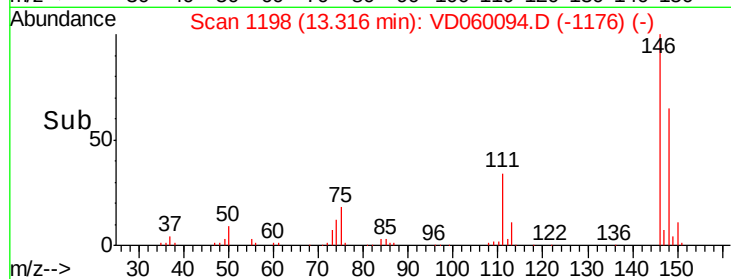
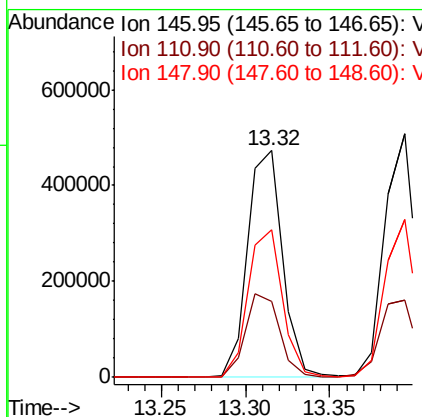
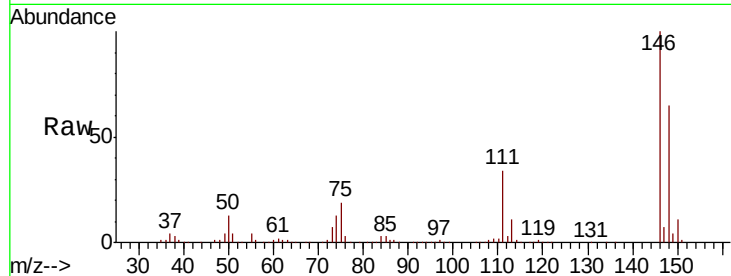




#87
 1,3-Dichlorobenzene
 Concen: 22.955 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

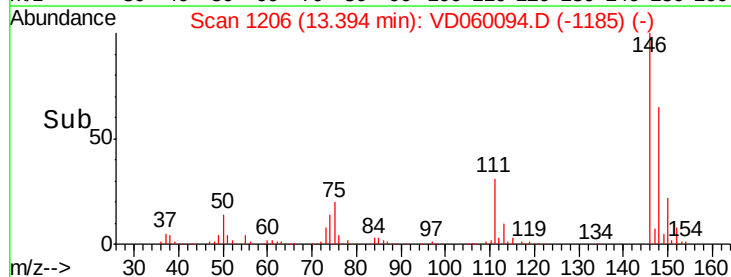
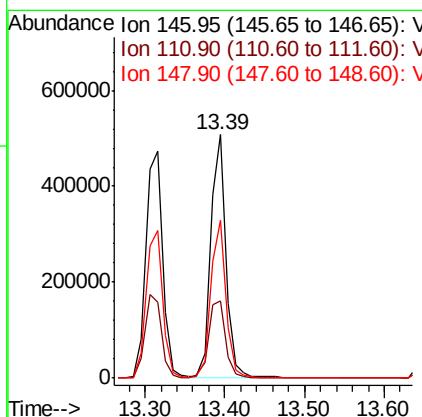
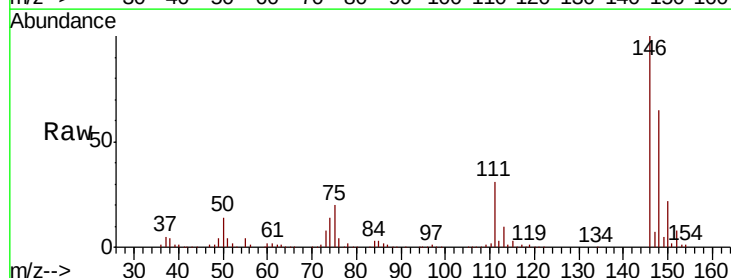
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

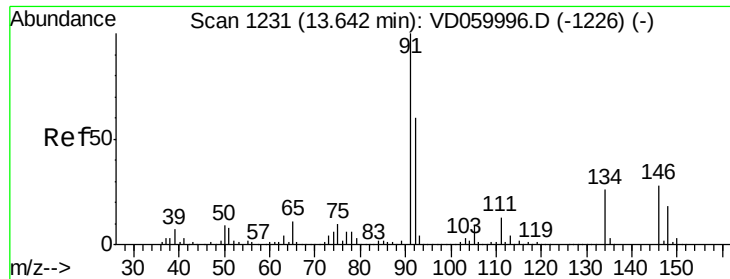
Tot Ion:146 Resp: 683321
 Ion Ratio Lower Upper
 146 100
 111 33.8 20.2 60.5
 148 64.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 22.540 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion:146 Resp: 680558
 Ion Ratio Lower Upper
 146 100
 111 31.5 16.7 50.0
 148 64.8 32.9 98.6

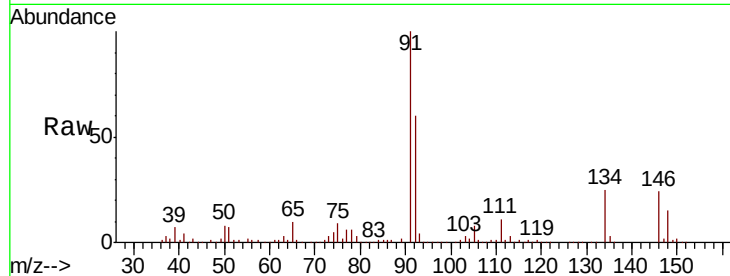




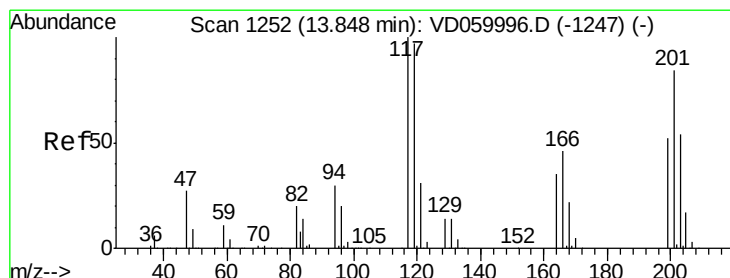
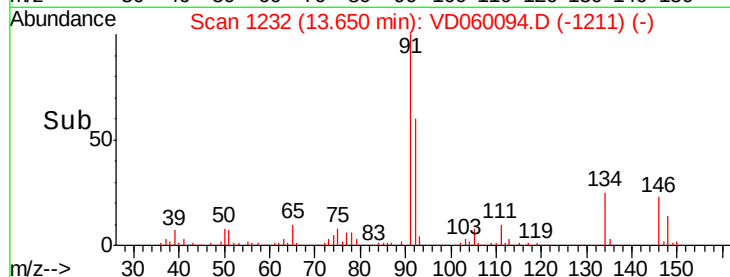
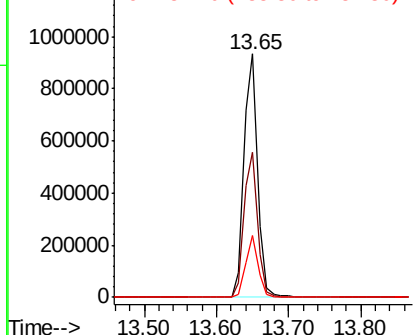
#89
n-Butylbenzene
Concen: 22.843 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion: 91 Resp: 1231032
Ion Ratio Lower Upper
91 100
92 59.8 29.8 89.3
134 25.2 13.2 39.6

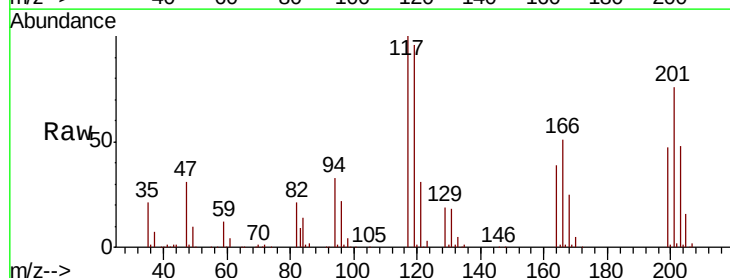


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

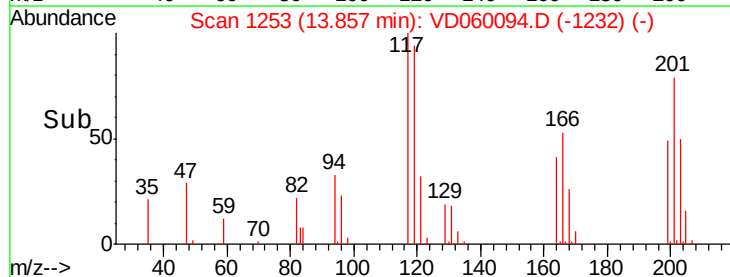
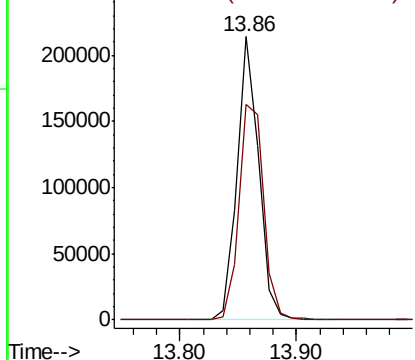


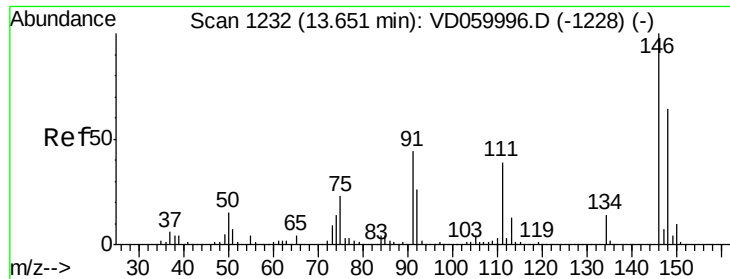
#90
Hexachloroethane
Concen: 21.991 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion: 117 Resp: 275946
Ion Ratio Lower Upper
117 100
201 76.1 42.1 126.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

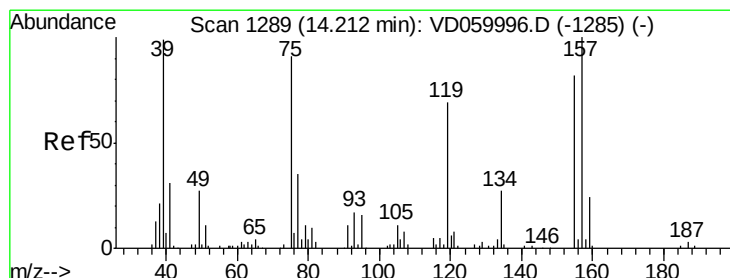
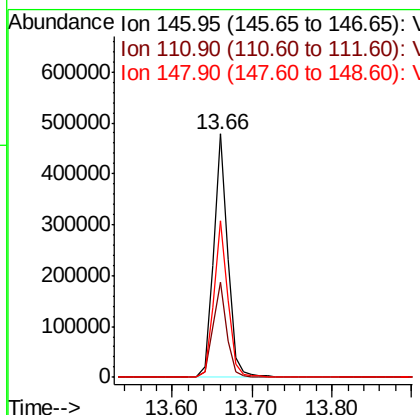
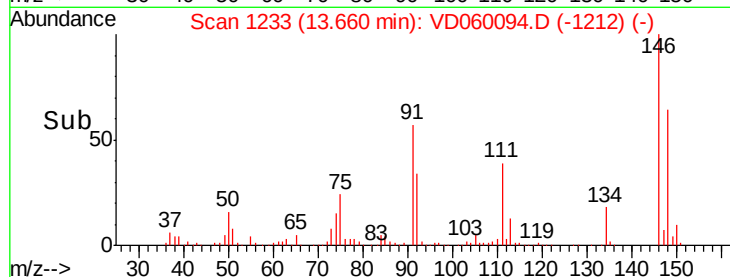
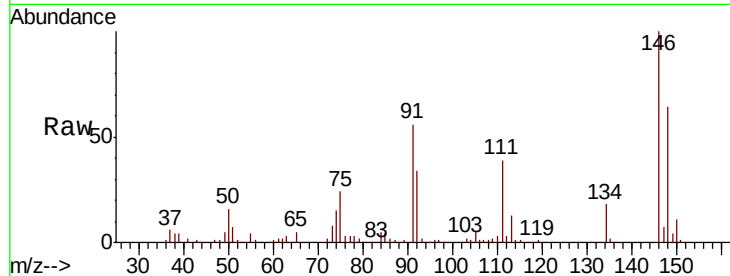




#91
 1,2-Dichlorobenzene
 Concen: 21.827 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

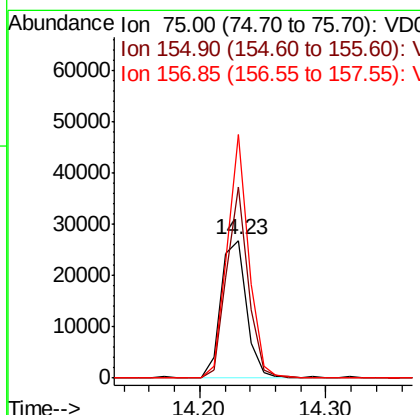
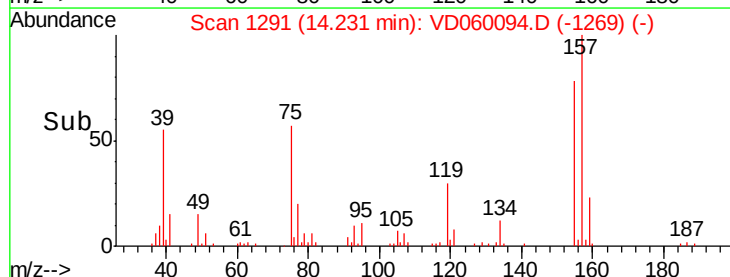
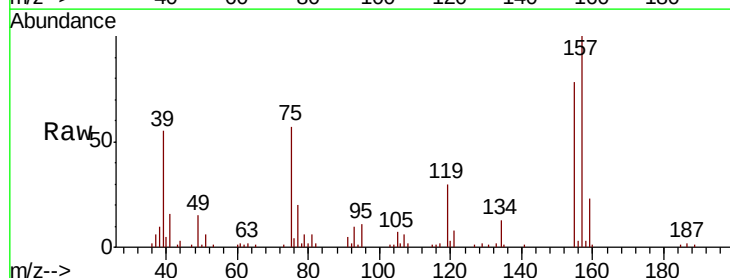
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

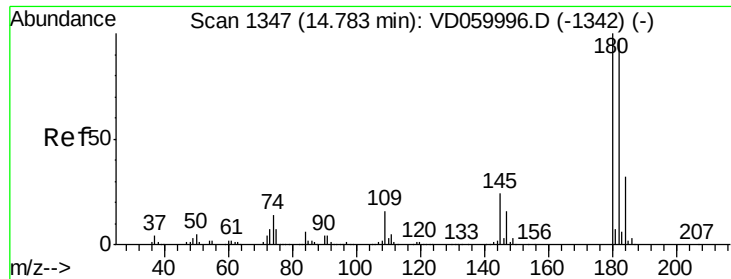
Tot Ion:146 Resp: 595884
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.6 58.7
 148 64.1 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.458 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion: 75 Resp: 37934
 Ion Ratio Lower Upper
 75 100
 155 138.2 44.7 134.1#
 157 176.5 54.7 164.1#

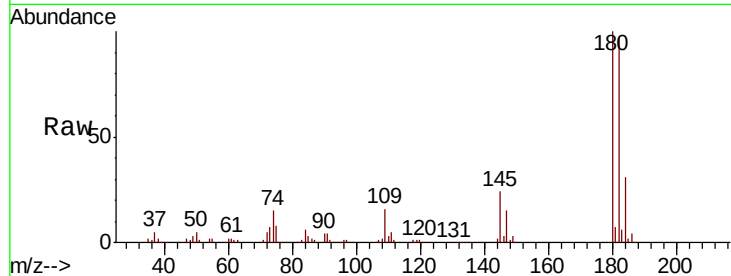




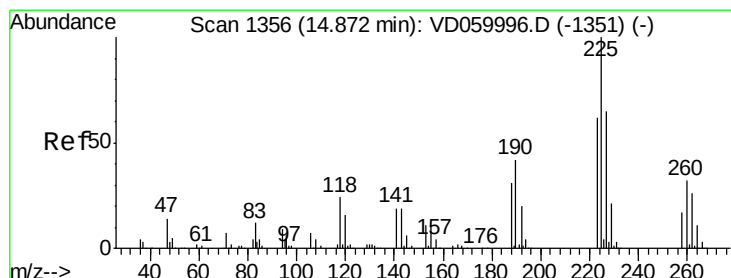
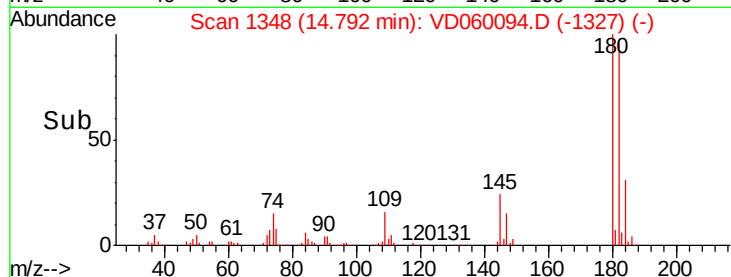
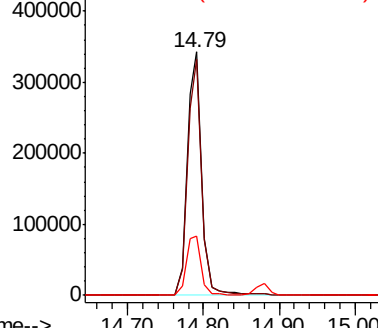
#93
 1,2,4-Trichlorobenzene
 Concen: 21.931 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion:180 Resp: 465222
 Ion Ratio Lower Upper
 180 100
 182 97.0 48.5 145.6
 145 24.1 11.9 35.7

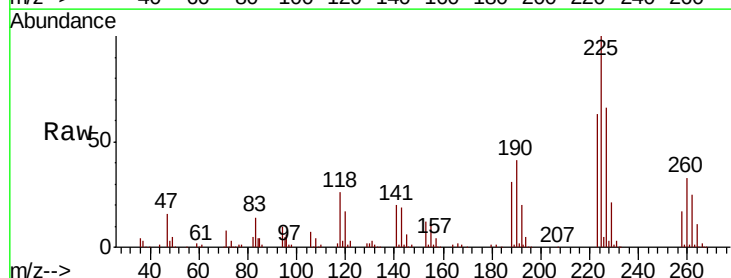


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

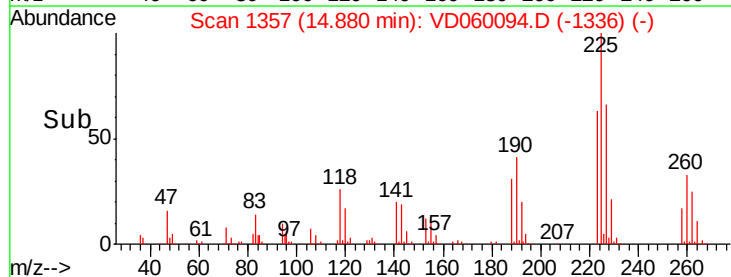
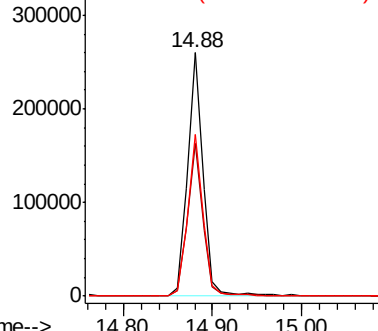


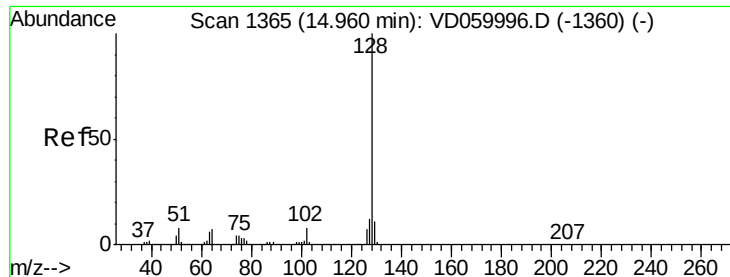
#94
 Hexachlorobutadiene
 Concen: 22.559 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion:225 Resp: 316558
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.2 93.6
 227 66.3 32.3 96.8



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: 21.368 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

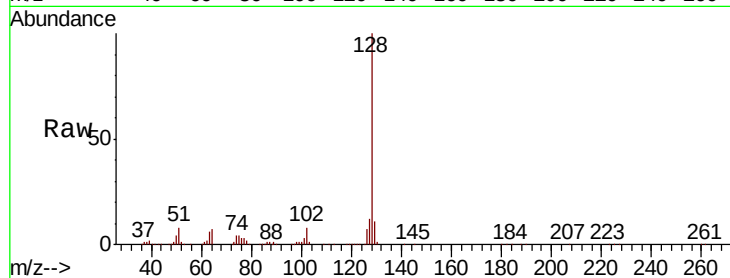
Tot Ion:128 Resp: 700044

Ion Ratio Lower Upper

128 100

127 12.0 9.7 14.5

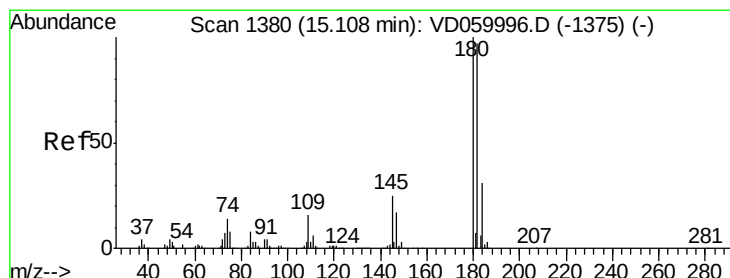
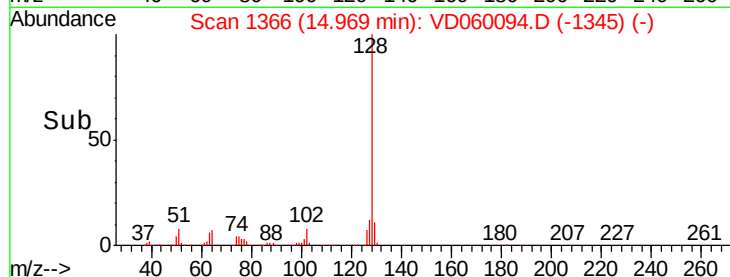
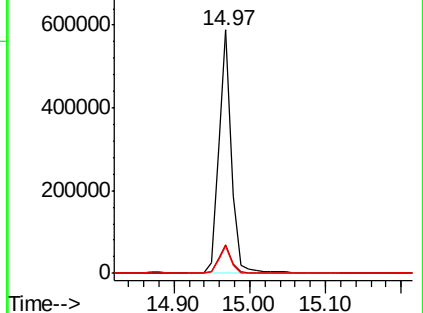
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.863 ug/l

RT: 15.12 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

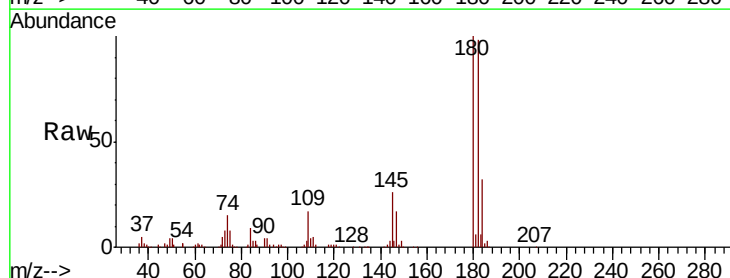
Tgt Ion:180 Resp: 408708

Ion Ratio Lower Upper

180 100

182 97.8 48.6 145.9

145 26.0 12.7 38.1



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

