

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121718\
 Data File : VD060593.D
 Acq On : 17 Dec 2018 12:16
 Operator : VA/AP
 Sample : VD1217SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Quant Time: Dec 18 11:14:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1559747	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.47	114	2127164	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.30	117	1686388	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	873894	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.81	65	558694	50.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.08%	
35) Dibromofluoromethane	6.34	113	804136	51.47	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	9.47	98	2257608	49.93	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.44	95	817700	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.61	85	398054	23.307	ug/l	97
3) Chloromethane	1.78	50	344519	21.498	ug/l	100
4) Vinyl Chloride	1.88	62	280972	21.968	ug/l	100
5) Bromomethane	2.17	94	43724	13.665	ug/l	96
6) Chloroethane	2.28	64	72412	16.408	ug/l	100
7) Trichlorofluoromethane	2.53	101	314643	21.306	ug/l	98
8) Diethyl Ether	2.85	74	54013	21.175	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.12	101	204862	21.380	ug/l	96
10) Methyl Iodide	3.27	142	226253	20.200	ug/l	98
11) Tert butyl alcohol	4.00	59	41172	91.666	ug/l	95
12) 1,1-Dichloroethene	3.10	96	168540	21.618	ug/l	90
13) Acrolein	3.01	56	42037	85.654	ug/l	97
14) Allyl chloride	3.56	41	298551	20.184	ug/l	94
15) Acrylonitrile	4.12	53	265106	103.951	ug/l	96
16) Acetone	3.18	43	181256	102.284	ug/l	97
17) Carbon Disulfide	3.34	76	515047	20.338	ug/l	100
18) Methyl Acetate	3.58	43	93538	22.209	ug/l	96
19) Methyl tert-butyl Ether	4.15	73	456077	21.095	ug/l	98
20) Methylene Chloride	3.75	84	363026	19.591	ug/l	97
21) trans-1,2-Dichloroethene	4.13	96	347733	20.505	ug/l	99
22) Diisopropyl ether	4.89	45	1081419	20.363	ug/l	97
23) Vinyl Acetate	4.83	43	2702406	102.704	ug/l	99
24) 1,1-Dichloroethane	4.78	63	572901	20.765	ug/l	99
25) 2-Butanone	5.64	43	360378	103.366	ug/l	100
26) 2,2-Dichloropropane	5.62	77	458827	21.528	ug/l	100
27) cis-1,2-Dichloroethene	5.63	96	353287	20.489	ug/l	99
28) Bromochloromethane	5.95	49	225318	18.436	ug/l	99
29) Tetrahydrofuran	5.98	42	196980	99.773	ug/l	98
30) Chloroform	6.13	83	568228	20.443	ug/l	99
31) Cyclohexane	6.39	56	533037	20.319	ug/l	99
32) 1,1,1-Trichloroethane	6.31	97	476865	20.869	ug/l	98
36) 1,1-Dichloropropene	6.55	75	438398	21.084	ug/l	98
37) Ethyl Acetate	5.72	43	173892	19.284	ug/l	99
38) Carbon Tetrachloride	6.52	117	400551	21.458	ug/l	99

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 Data File : VD060593.D
 Acq On : 17 Dec 2018 12:16
 Operator : VA/AP
 Sample : VD1217SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Quant Time: Dec 18 11:14:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	493343	20.813	ug/l	99
40) Benzene	6.82	78	1127313	21.214	ug/l	99
41) Methacrylonitrile	5.98	41	211163	43.440	ug/l #	68
42) 1,2-Dichloroethane	6.91	62	291195	21.552	ug/l	99
43) Isopropyl Acetate	8.37	43	221989	19.943	ug/l #	99
44) Trichloroethene	7.76	130	334073	21.036	ug/l	97
45) 1,2-Dichloropropane	8.12	63	269017	20.469	ug/l	99
46) Dibromomethane	8.24	93	157991	20.806	ug/l	97
47) Bromodichloromethane	8.51	83	375949	20.866	ug/l	100
48) Methyl methacrylate	8.27	41	134251	20.383	ug/l	95
49) 1,4-Dioxane	8.26	88	23389	391.813	ug/l #	93
51) 4-Methyl-2-Pentanone	9.36	43	699128	100.969	ug/l	97
52) Toluene	9.57	92	700592	21.094	ug/l	96
53) t-1,3-Dichloropropene	9.94	75	322067	21.754	ug/l	95
54) cis-1,3-Dichloropropene	9.13	75	412470	21.205	ug/l	98
55) 1,1,2-Trichloroethane	10.20	97	192792	20.844	ug/l	97
56) Ethyl methacrylate	10.05	69	174002	20.787	ug/l	97
57) 1,3-Dichloropropane	10.40	76	302383	21.148	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.94	63	572049	114.212	ug/l	98
59) 2-Hexanone	10.51	43	509196	105.209	ug/l	99
60) Dibromochloromethane	10.65	129	247476	21.400	ug/l	100
61) 1,2-Dibromoethane	10.77	107	191053	20.269	ug/l	98
64) Tetrachloroethene	10.27	164	301997	20.224	ug/l	98
65) Chlorobenzene	11.33	112	751610	21.067	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	254919	22.169	ug/l	95
67) Ethyl Benzene	11.44	91	1327069	21.808	ug/l	97
68) m/p-Xylenes	11.58	106	979654	43.515	ug/l	98
69) o-Xylene	11.94	106	456042	21.256	ug/l	91
70) Styrene	11.97	104	730494	21.212	ug/l	99
71) Bromoform	12.13	173	160193	20.881	ug/l	98
73) Isopropylbenzene	12.29	105	1248532	20.190	ug/l	99
74) N-amyl acetate	12.15	43	299108	20.013	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.57	83	204074	20.613	ug/l	100
76) 1,2,3-Trichloropropane	12.61	75	200935	20.293	ug/l	98
77) Bromobenzene	12.55	156	331799	20.412	ug/l	96
78) n-propylbenzene	12.65	91	1613137	20.636	ug/l	99
79) 2-Chlorotoluene	12.72	91	871257	20.540	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	1006858	21.308	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.36	75	54540	19.749	ug/l	97
82) 4-Chlorotoluene	12.82	91	1010563	21.211	ug/l	93
83) tert-Butylbenzene	13.05	119	1120192	21.143	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	1036102	21.176	ug/l	99
85) sec-Butylbenzene	13.23	105	1354633	20.514	ug/l	98
86) p-Isopropyltoluene	13.35	119	1098780	20.990	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	608561	20.677	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	609917	21.125	ug/l	97
89) n-Butylbenzene	13.66	91	1176495	20.196	ug/l	98
90) Hexachloroethane	13.87	117	267744	20.400	ug/l	90
91) 1,2-Dichlorobenzene	13.67	146	533142	22.166	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	24852	20.717	ug/l	97

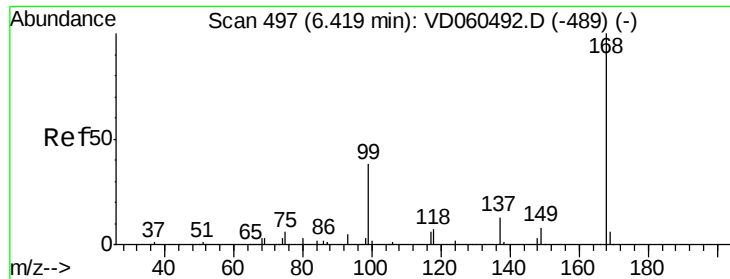
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121718\
Data File : VD060593.D
Acq On : 17 Dec 2018 12:16
Operator : VA/AP
Sample : VD1217SBS01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Quant Time: Dec 18 11:14:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	390091	20.747	ug/l	97
94) Hexachlorobutadiene	14.90	225	289529	20.871	ug/l	99
95) Naphthalene	14.97	128	445117	19.900	ug/l	98
96) 1,2,3-Trichlorobenzene	15.12	180	308936	20.621	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

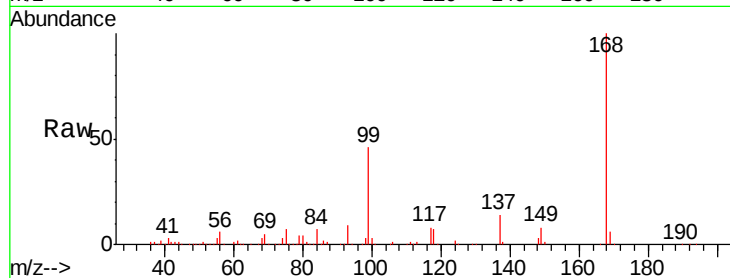
VD1217SBS01

Tgt Ion:168 Resp: 1559747

Ion Ratio Lower Upper

168 100

99 46.2 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

600000

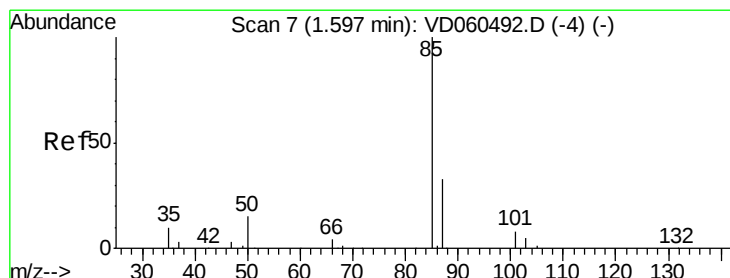
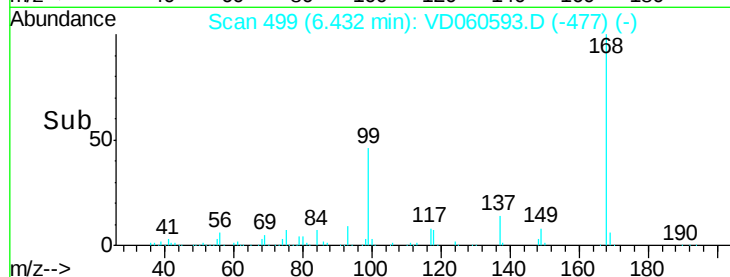
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 23.307 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060593.D

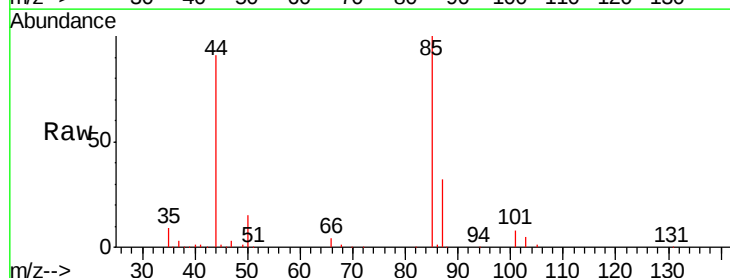
Acq: 17 Dec 2018 12:16

Tgt Ion: 85 Resp: 398054

Ion Ratio Lower Upper

85 100

87 31.9 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

200000

150000

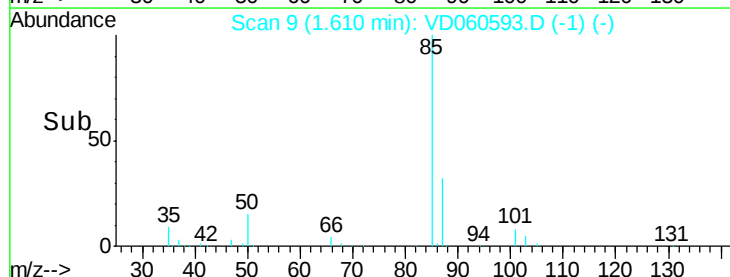
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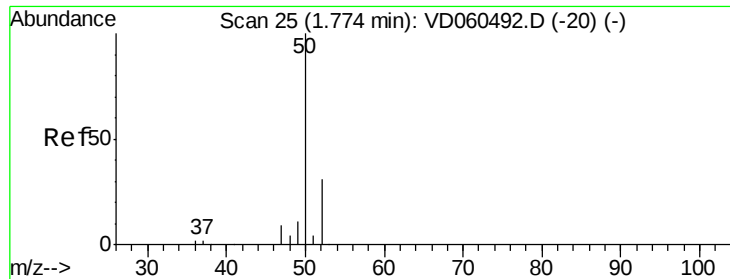
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.498 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

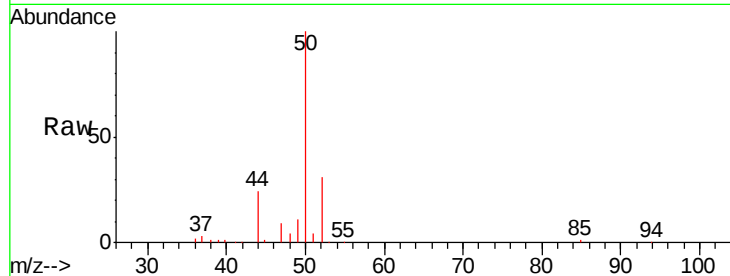
VD1217SBS01

Tgt Ion: 50 Resp: 344519

Ion Ratio Lower Upper

50 100

52 31.3 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.78

150000

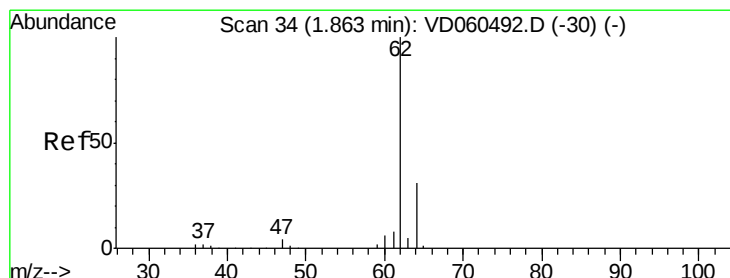
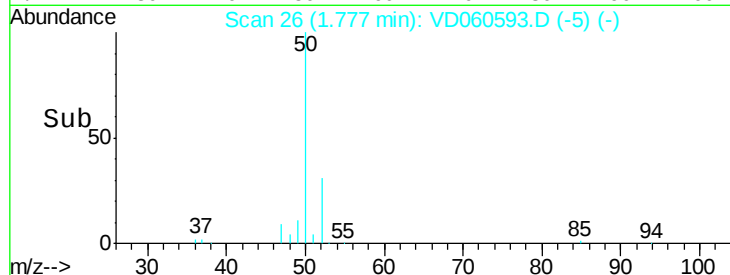
100000

50000

0

Time-->

1.70 1.80 1.90 2.00



#4

Vinyl Chloride

Concen: 21.968 ug/l

RT: 1.88 min Scan# 36

Delta R.T. 0.01 min

Lab File: VD060593.D

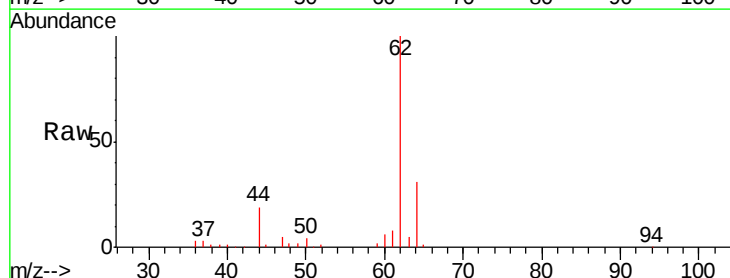
Acq: 17 Dec 2018 12:16

Tgt Ion: 62 Resp: 280972

Ion Ratio Lower Upper

62 100

64 30.7 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.88

150000

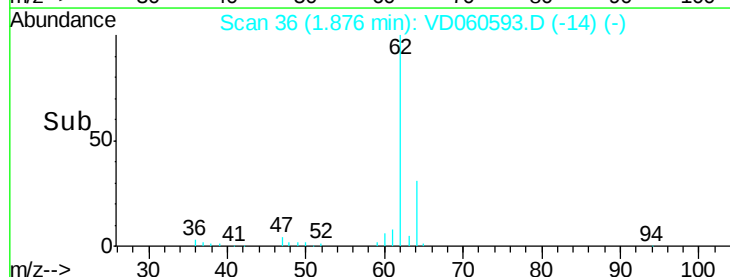
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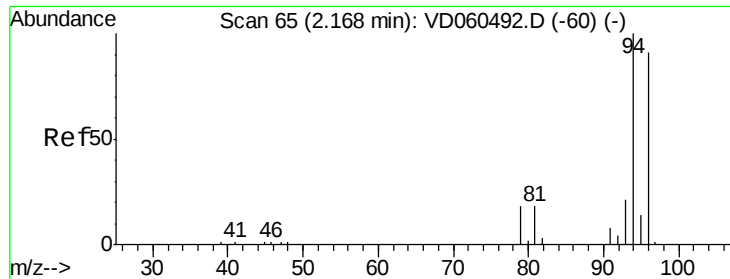
50000

0

Time-->

1.80 1.90 2.00

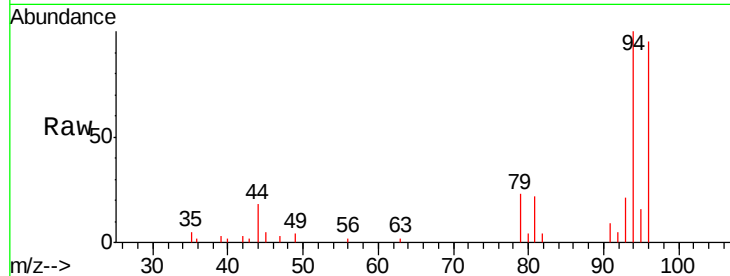




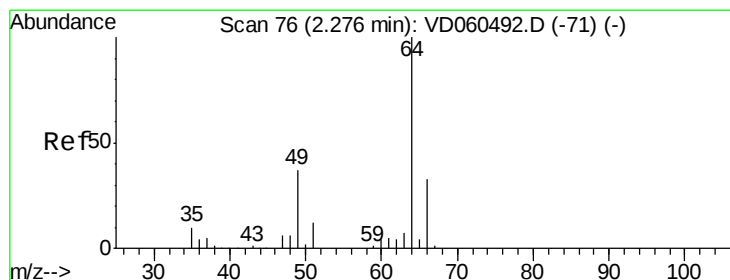
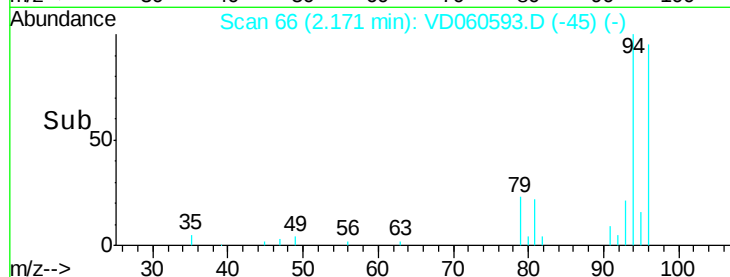
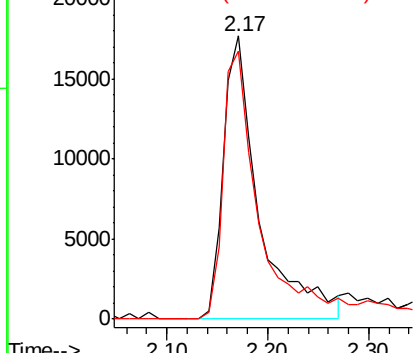
#5
Bromomethane
Concen: 13.665 ug/l
RT: 2.17 min Scan# 66
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tgt Ion: 94 Resp: 43724
Ion Ratio Lower Upper
94 100
96 94.8 72.6 108.8

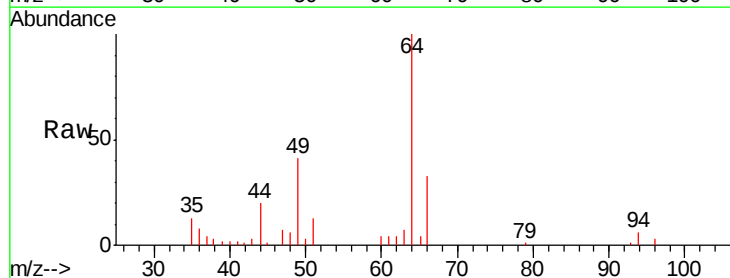


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

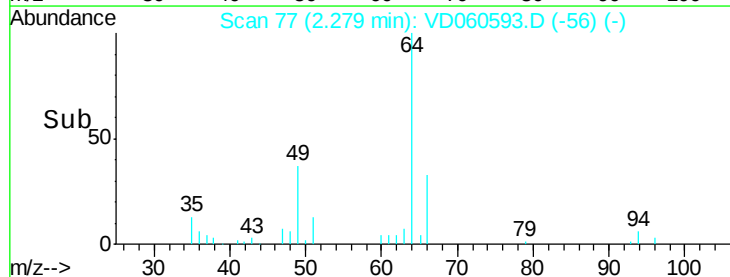
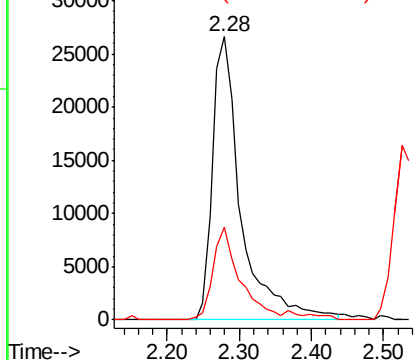


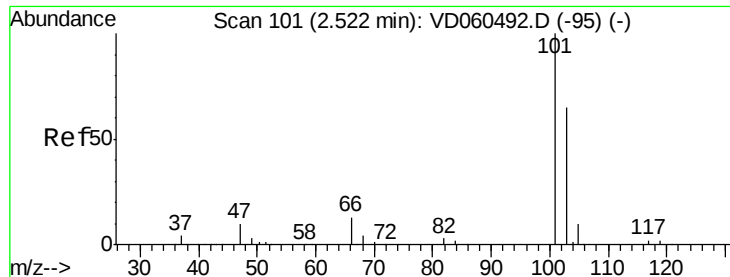
#6
Chloroethane
Concen: 16.408 ug/l
RT: 2.28 min Scan# 77
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 64 Resp: 72412
Ion Ratio Lower Upper
64 100
66 32.9 26.4 39.6



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



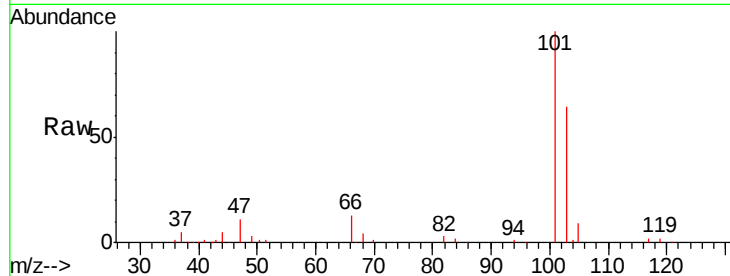


#7

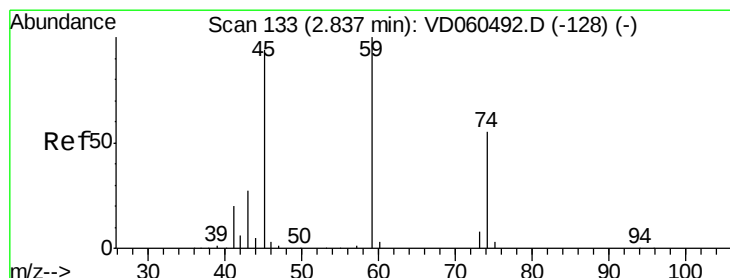
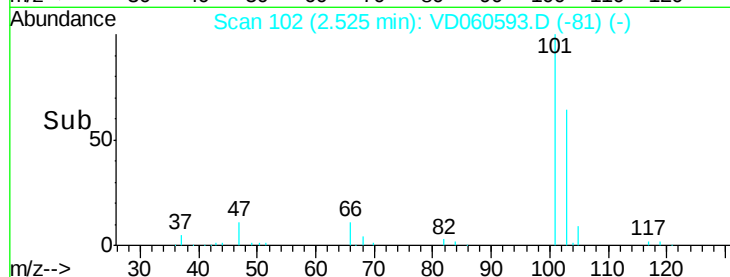
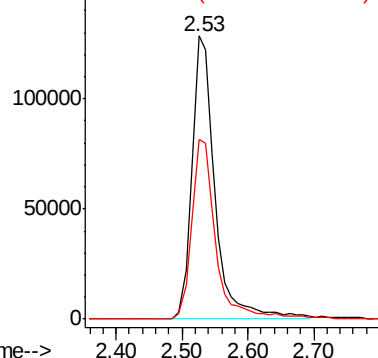
Trichlorofluoromethane
 Concen: 21.306 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tgt Ion:101 Resp: 314643
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.8 77.8



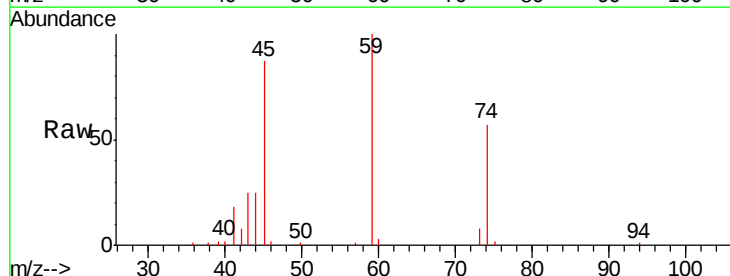
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



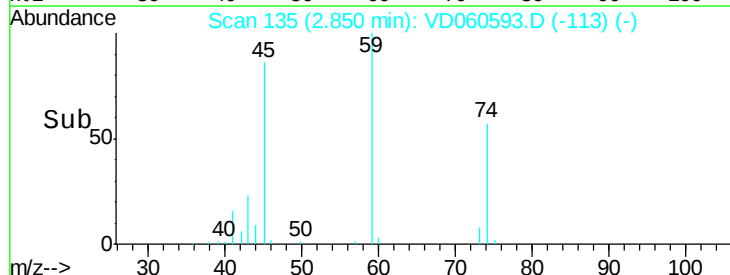
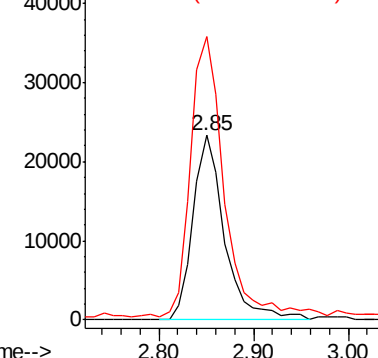
#8

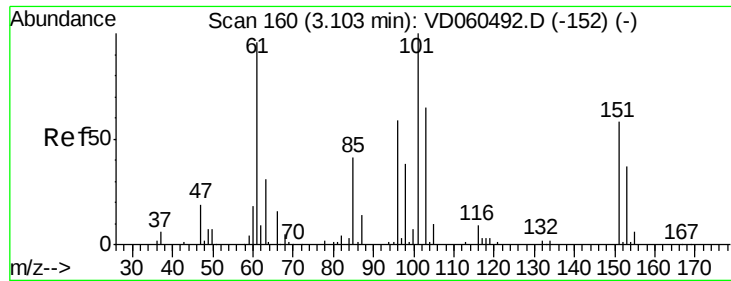
Diethyl Ether
 Concen: 21.175 ug/l
 RT: 2.85 min Scan# 135
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion: 74 Resp: 54013
 Ion Ratio Lower Upper
 74 100
 45 153.4 86.0 258.0



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: 21.380 ug/l

RT: 3.12 min Scan# 162

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

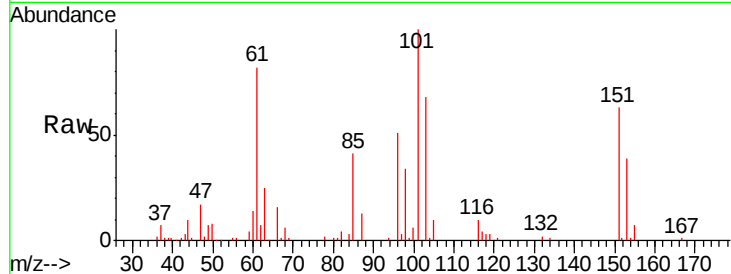
Tgt Ion:101 Resp: 204862

Ion Ratio Lower Upper

101 100

85 41.2 32.7 49.1

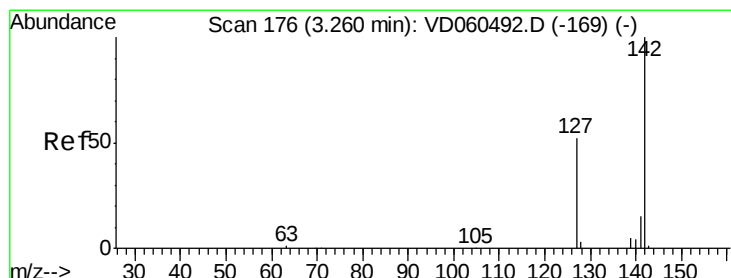
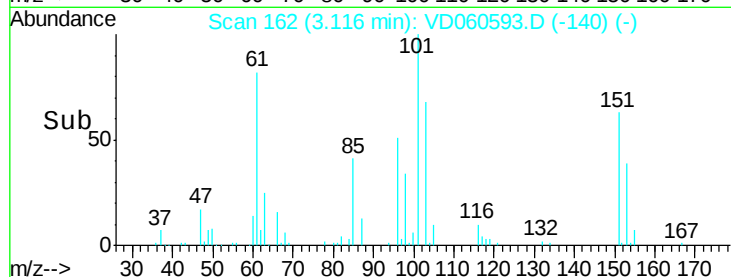
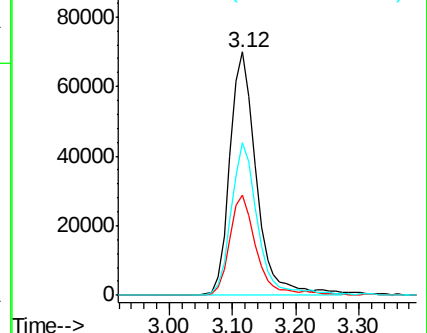
151 62.8 46.6 69.8



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: 20.200 ug/l

RT: 3.27 min Scan# 178

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

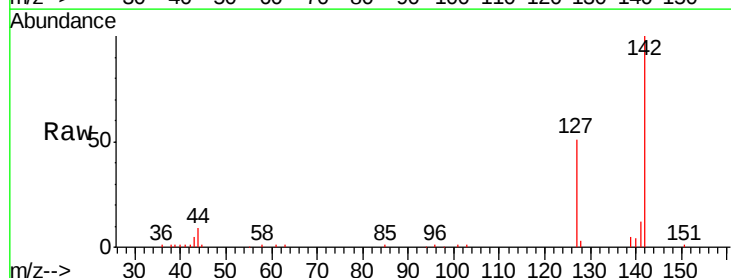
Tgt Ion:142 Resp: 226253

Ion Ratio Lower Upper

142 100

127 50.9 41.2 61.8

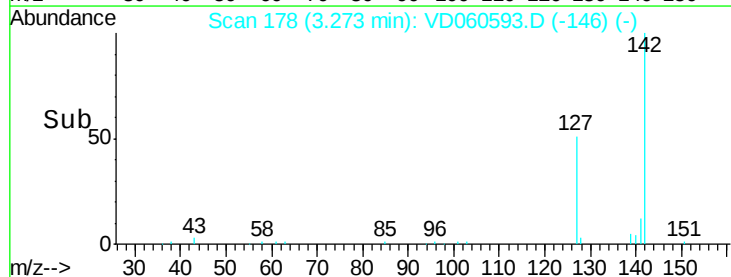
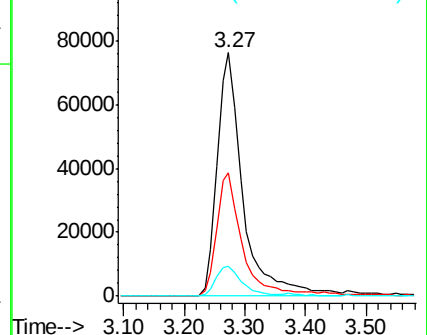
141 12.4 11.9 17.9

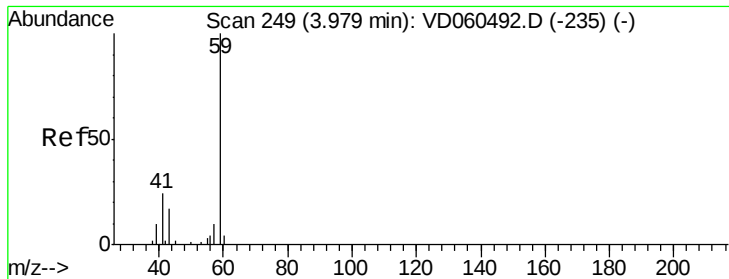


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



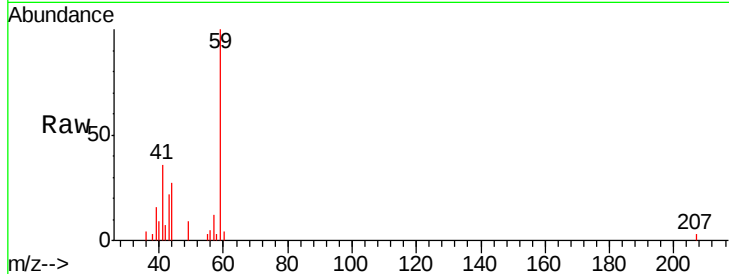


#11

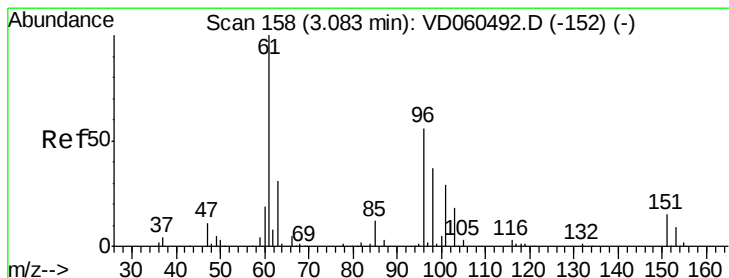
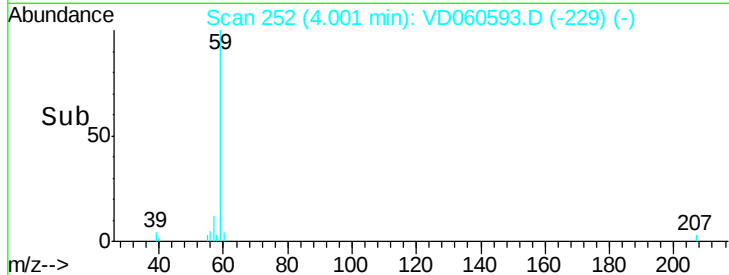
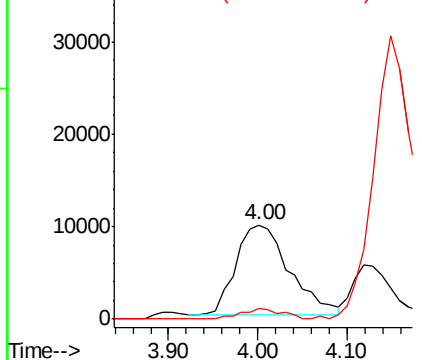
Tert butyl alcohol
Concen: 91.666 ug/l
RT: 4.00 min Scan# 252
Delta R.T. 0.02 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tgt Ion: 59 Resp: 41172
Ion Ratio Lower Upper
59 100
57 11.9 8.1 12.1



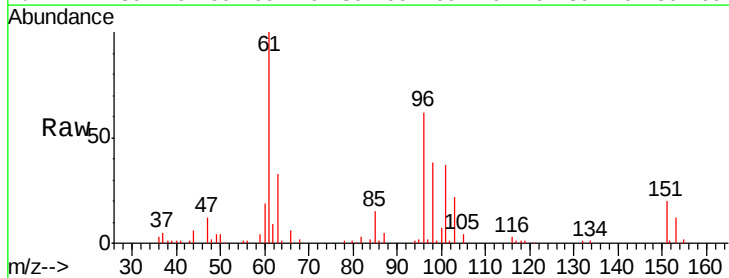
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



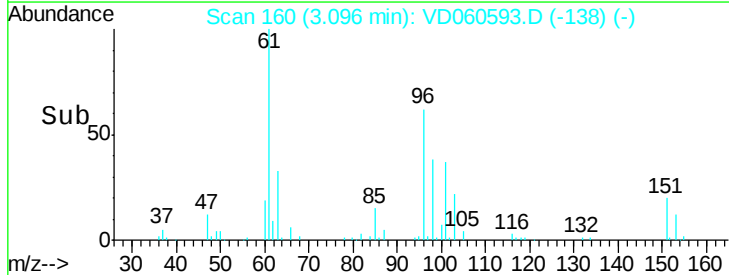
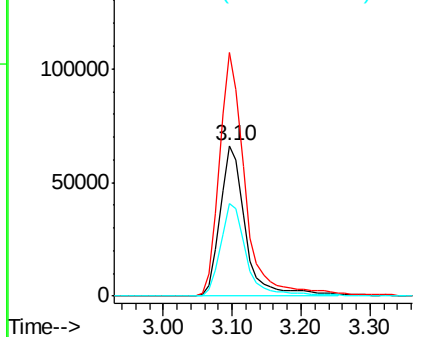
#12

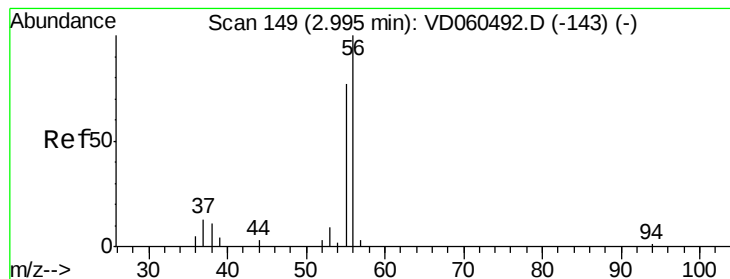
1,1-Dichloroethene
Concen: 21.618 ug/l
RT: 3.10 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 96 Resp: 168540
Ion Ratio Lower Upper
96 100
61 162.0 143.0 214.4
98 61.3 53.4 80.0



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





#13

Acrolein

Concen: 85.654 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

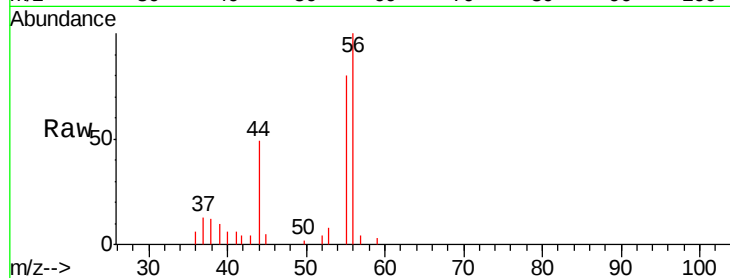
VD1217SBS01

Tgt Ion: 56 Resp: 42037

Ion Ratio Lower Upper

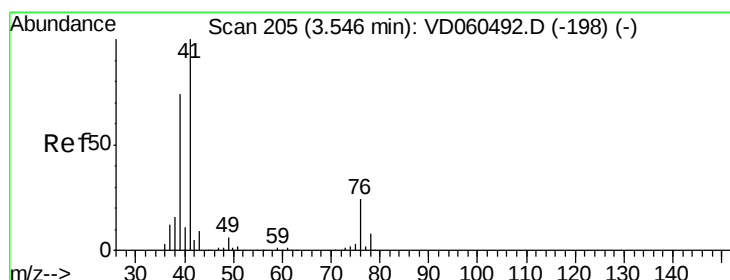
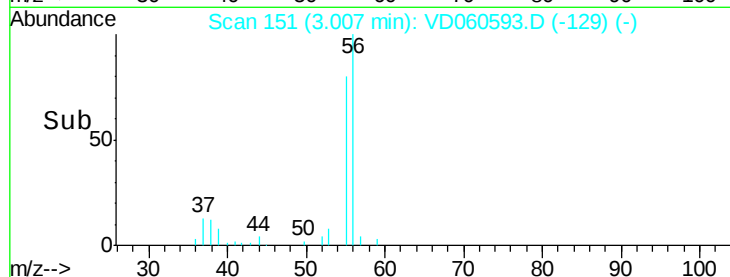
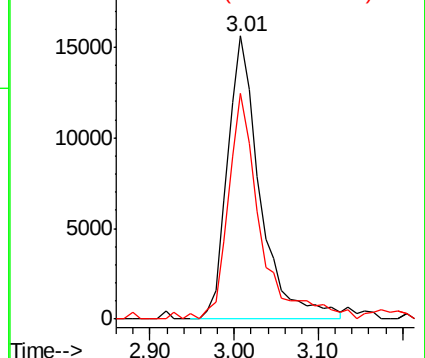
56 100

55 79.8 62.0 93.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.184 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

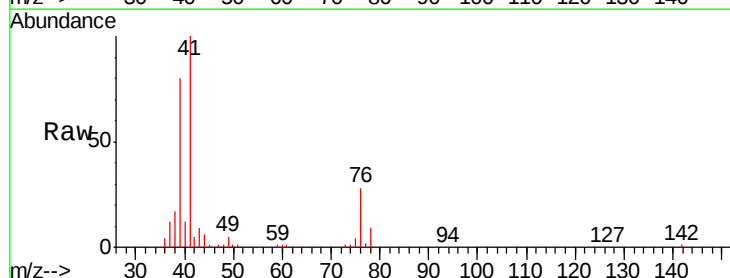
Tgt Ion: 41 Resp: 298551

Ion Ratio Lower Upper

41 100

39 80.4 59.3 88.9

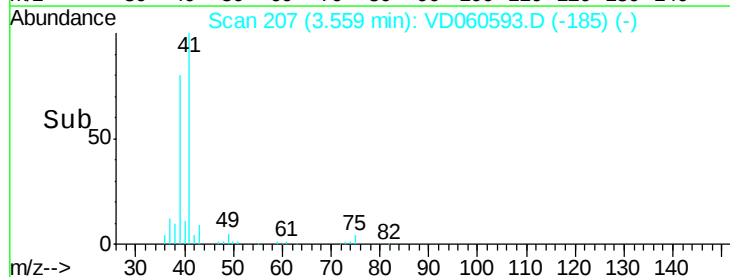
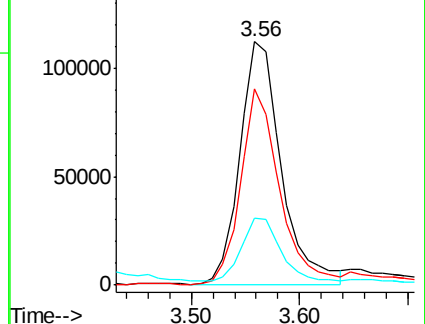
76 27.8 21.0 31.6

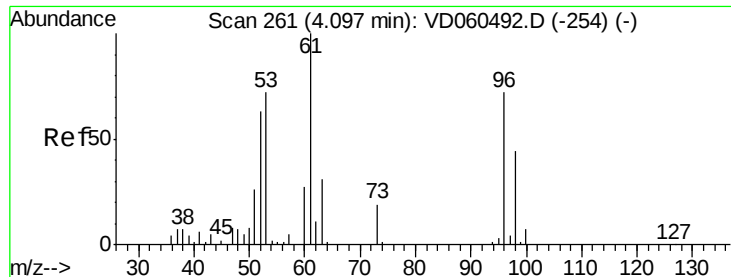


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 103.951 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.02 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

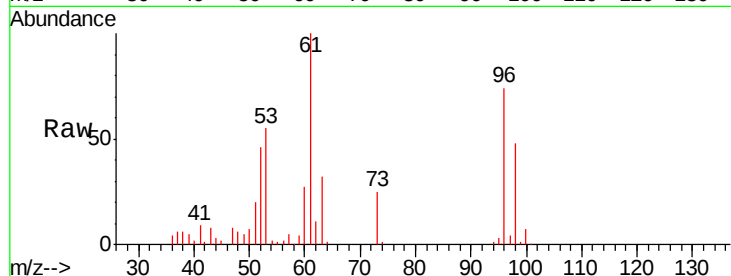
Tgt Ion: 53 Resp: 265106

Ion Ratio Lower Upper

53 100

52 83.0 70.0 105.0

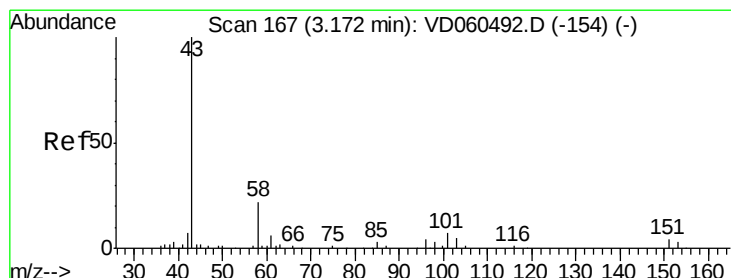
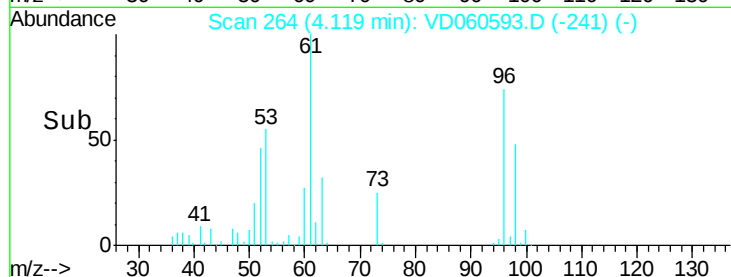
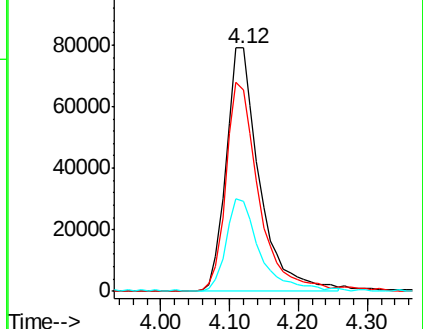
51 36.8 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 102.284 ug/l

RT: 3.18 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD060593.D

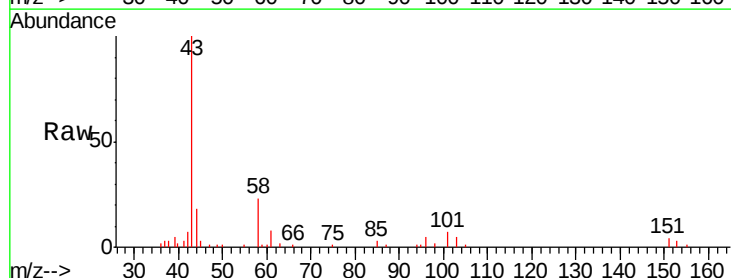
Acq: 17 Dec 2018 12:16

Tgt Ion: 43 Resp: 181256

Ion Ratio Lower Upper

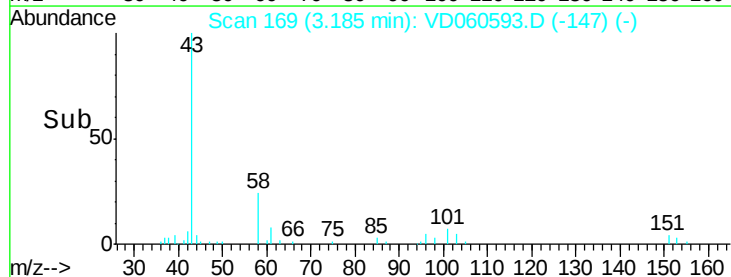
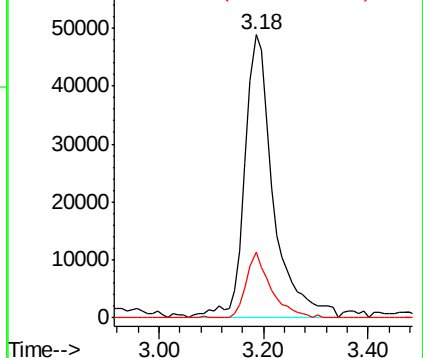
43 100

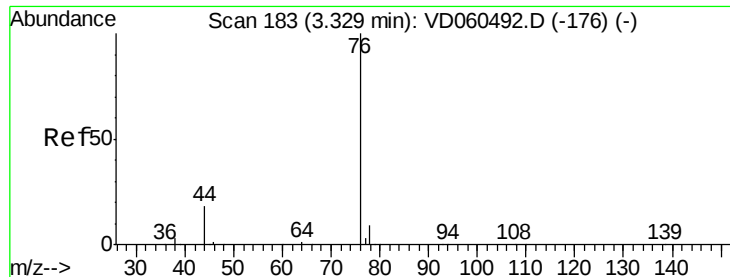
58 23.2 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

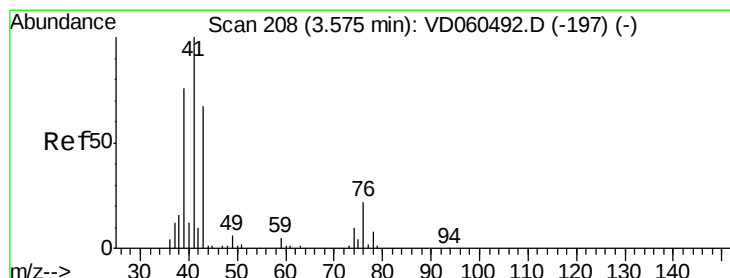
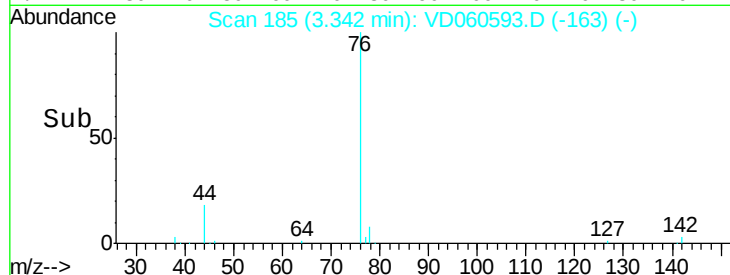
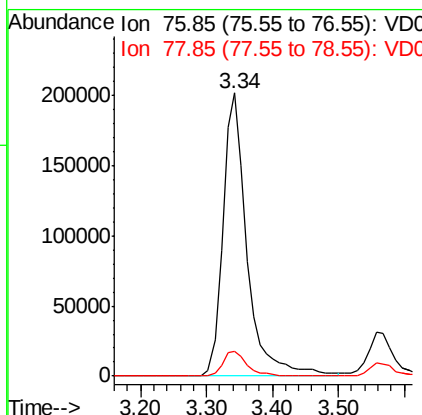
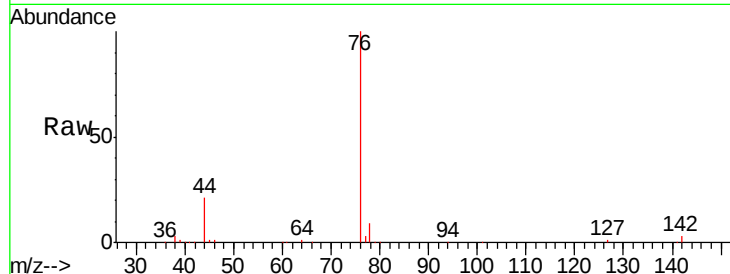




#17
Carbon Disulfide
Concen: 20.338 ug/l
RT: 3.34 min Scan# 185
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

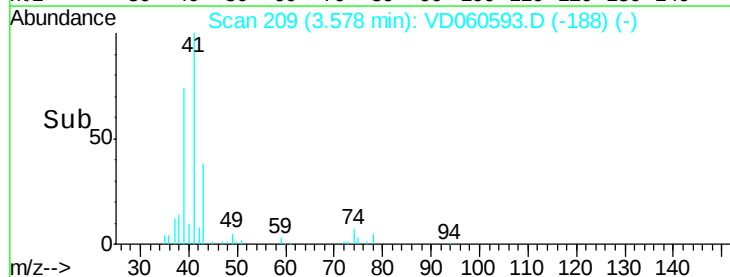
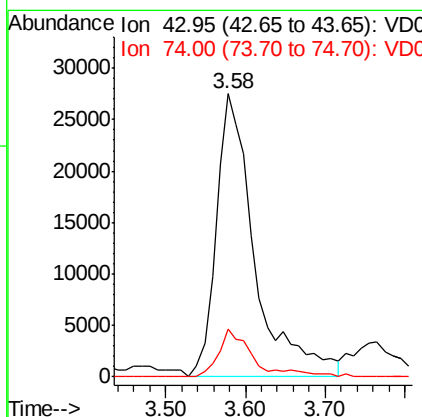
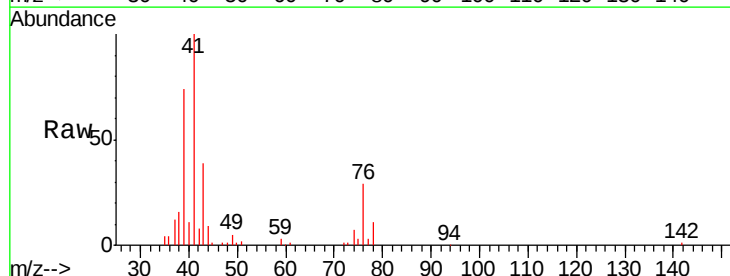
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

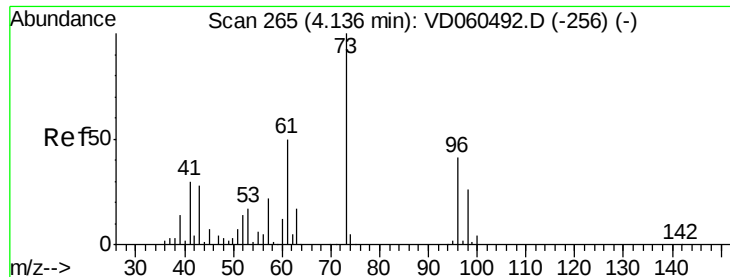
Tgt Ion: 76 Resp: 515047
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6



#18
Methyl Acetate
Concen: 22.209 ug/l
RT: 3.58 min Scan# 209
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 43 Resp: 93538
Ion Ratio Lower Upper
43 100
74 16.9 12.0 18.0

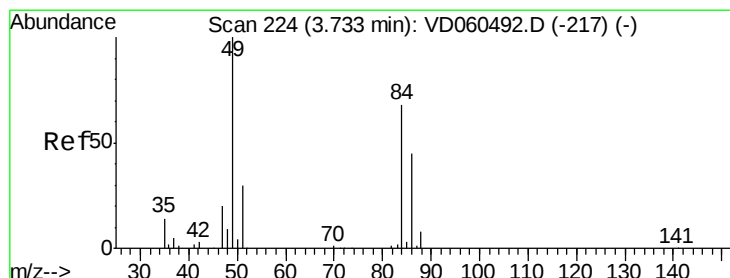
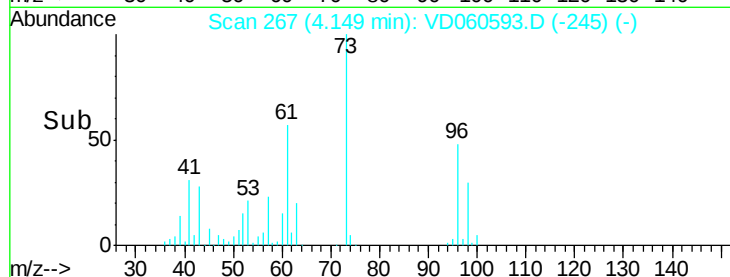
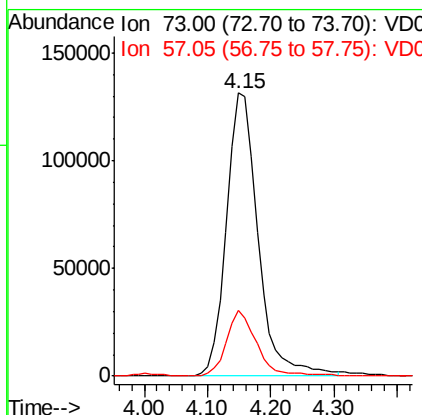
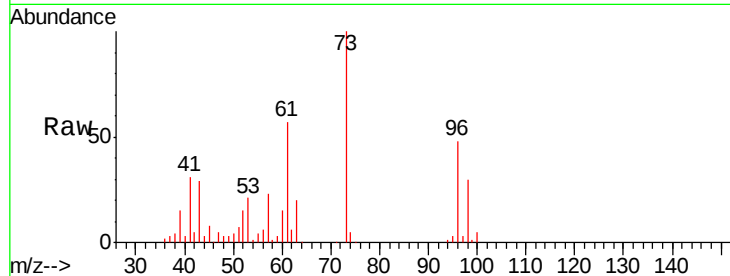




#19
Methyl tert-butyl Ether
Concen: 21.095 ug/l
RT: 4.15 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

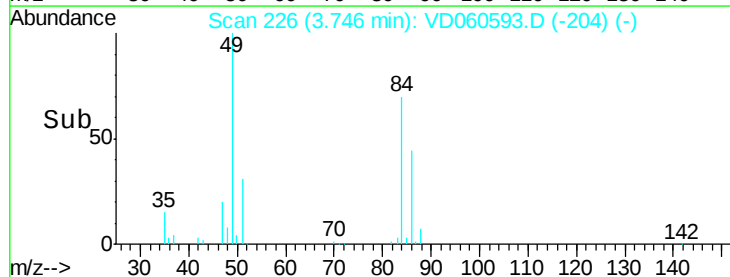
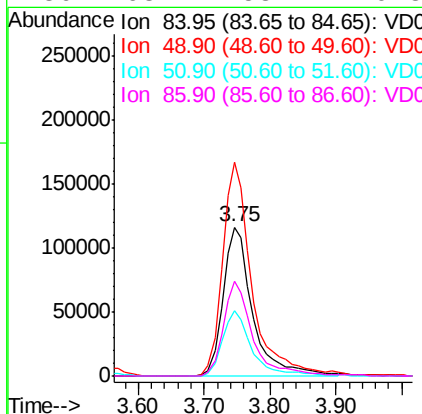
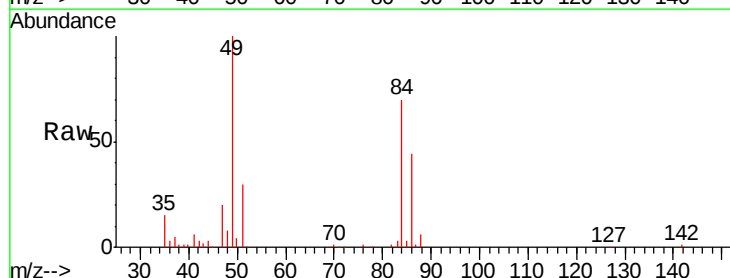
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

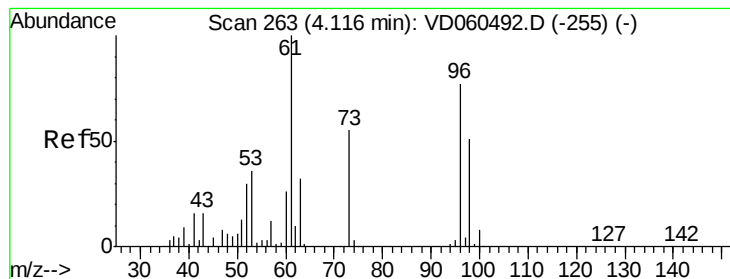
Tgt Ion: 73 Resp: 456077
Ion Ratio Lower Upper
73 100
57 23.3 17.8 26.6



#20
Methylene Chloride
Concen: 19.591 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 84 Resp: 363026
Ion Ratio Lower Upper
84 100
49 143.4 117.2 175.8
51 43.7 35.3 52.9
86 63.2 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 20.505 ug/l

RT: 4.13 min Scan# 265

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

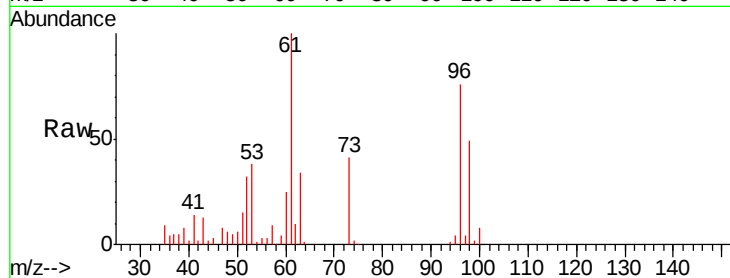
Tgt Ion: 96 Resp: 347733

Ion Ratio Lower Upper

96 100

61 131.3 104.2 156.4

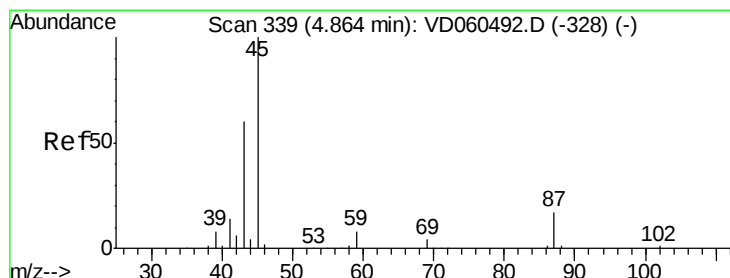
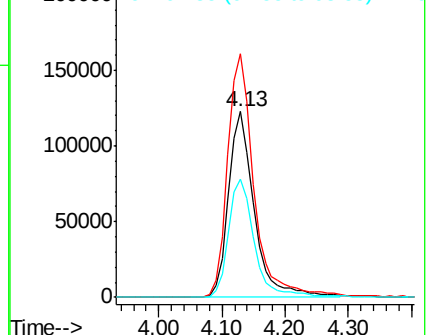
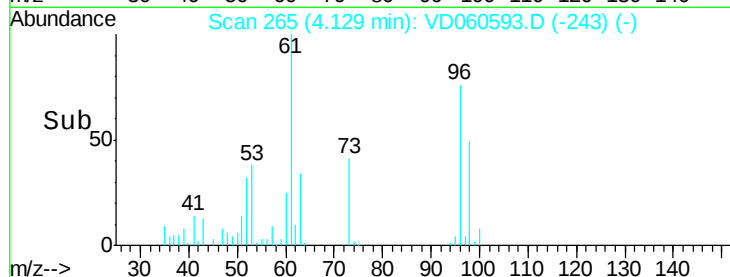
98 64.0 52.8 79.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.363 ug/l

RT: 4.89 min Scan# 342

Delta R.T. 0.02 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Tgt Ion: 45 Resp: 1081419

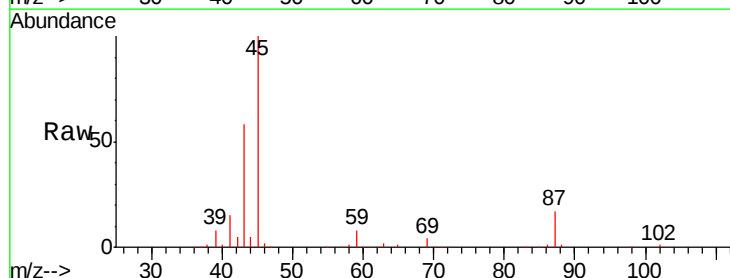
Ion Ratio Lower Upper

45 100

43 57.6 48.6 73.0

87 17.1 14.0 21.0

59 8.5 6.9 10.3

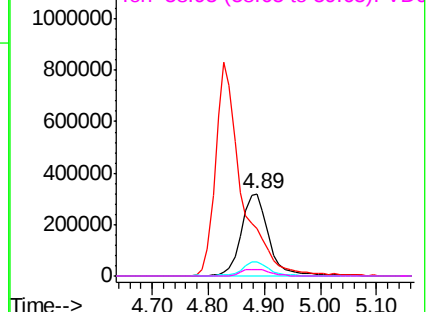
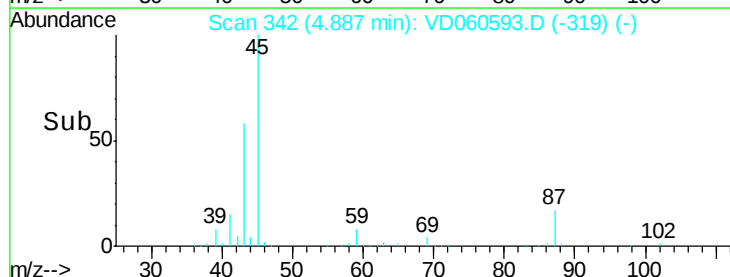


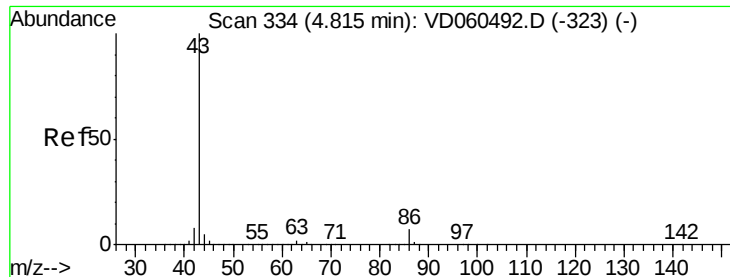
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 102.704 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

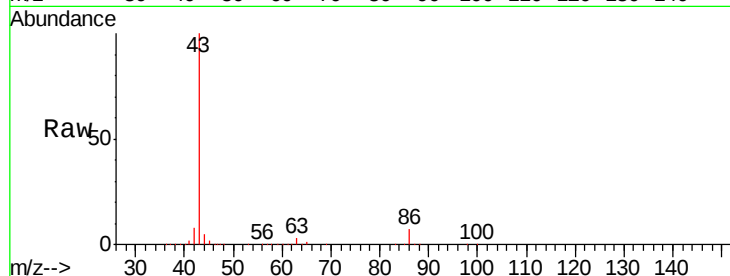
VD1217SBS01

Tgt Ion: 43 Resp: 2702406

Ion Ratio Lower Upper

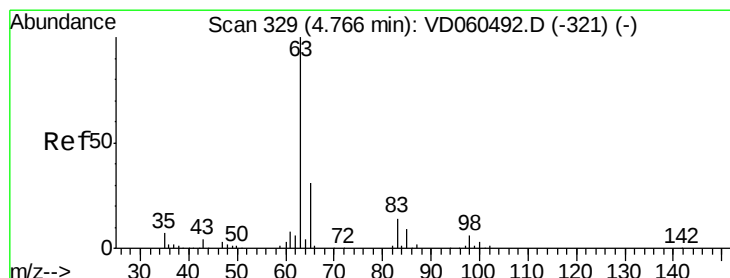
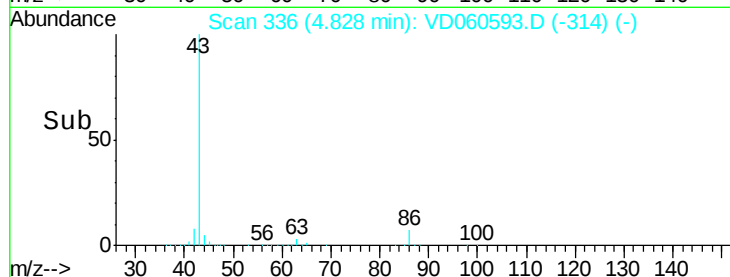
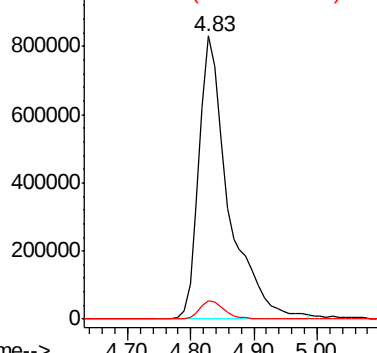
43 100

86 6.7 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: 20.765 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

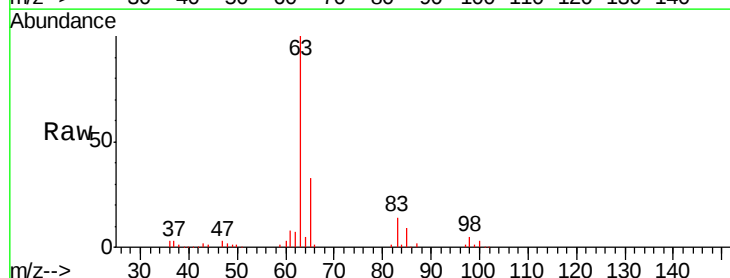
Tgt Ion: 63 Resp: 572901

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.3

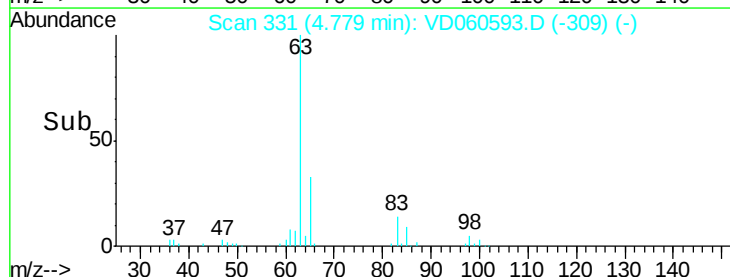
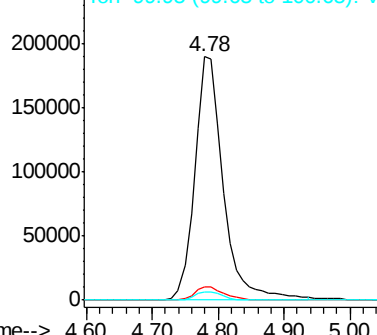
100 3.5 1.7 5.1

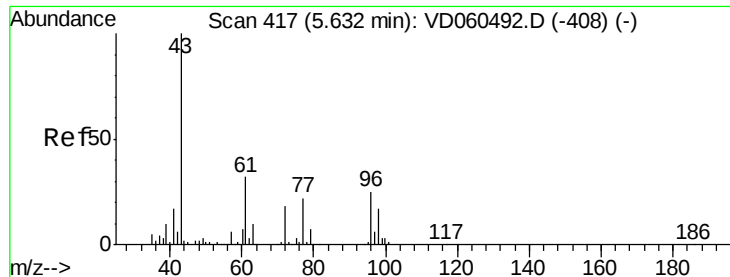


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 103.366 ug/l

RT: 5.64 min Scan# 419

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

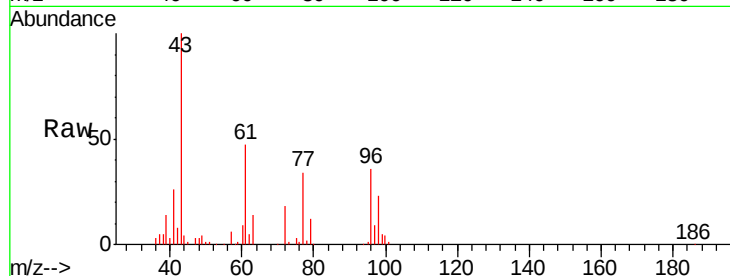
VD1217SBS01

Tgt Ion: 43 Resp: 360378

Ion Ratio Lower Upper

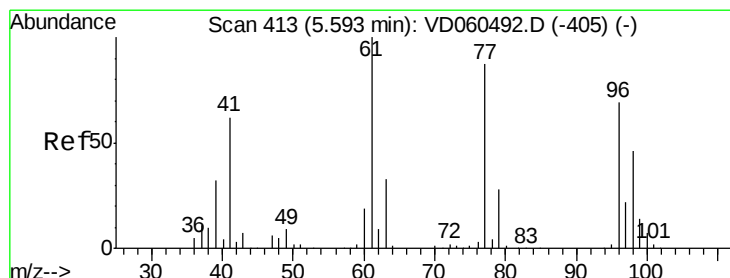
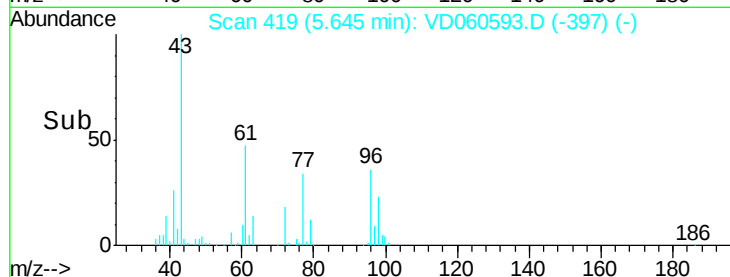
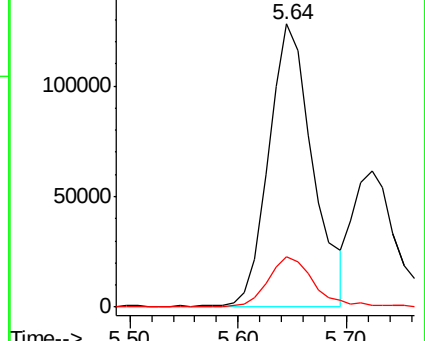
43 100

72 18.0 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.528 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060593.D

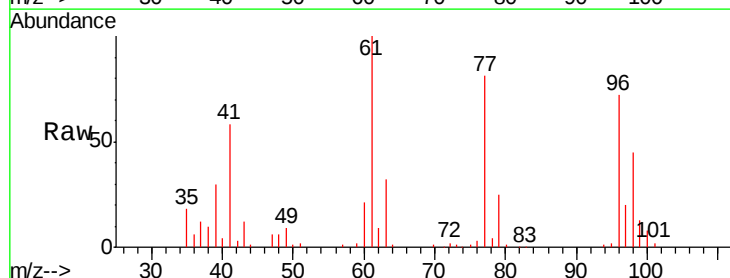
Acq: 17 Dec 2018 12:16

Tgt Ion: 77 Resp: 458827

Ion Ratio Lower Upper

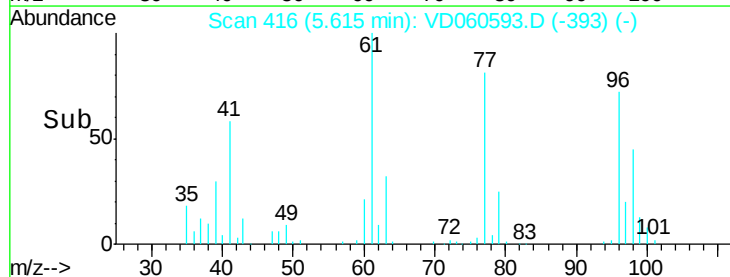
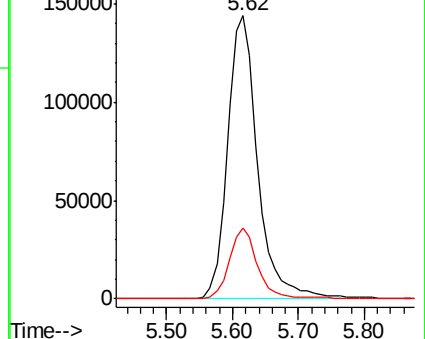
77 100

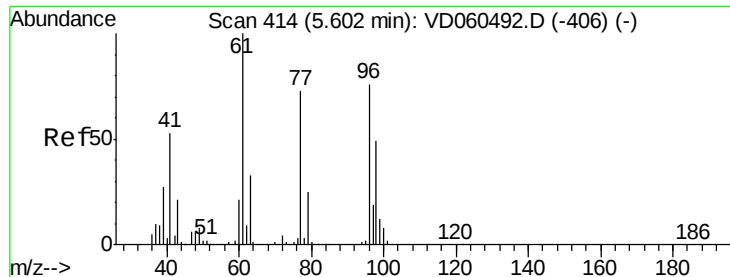
97 25.1 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



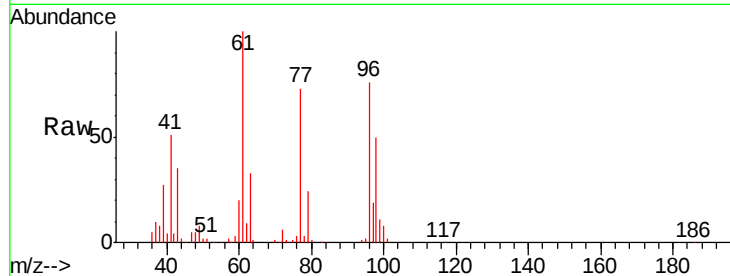


#27

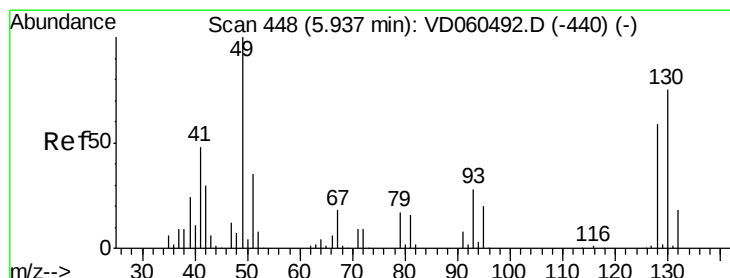
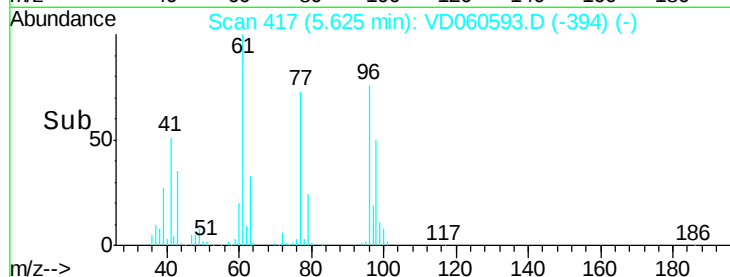
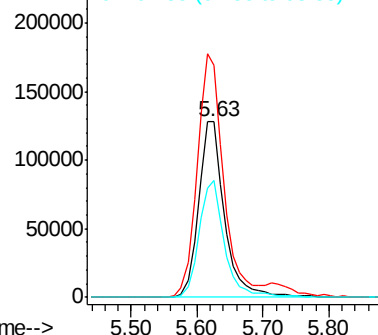
cis-1,2-Dichloroethene
 Concen: 20.489 ug/l
 RT: 5.63 min Scan# 417
 Delta R.T. 0.02 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tgt Ion: 96 Resp: 353287
 Ion Ratio Lower Upper
 96 100
 61 131.8 0.0 263.6
 98 66.3 0.0 128.2



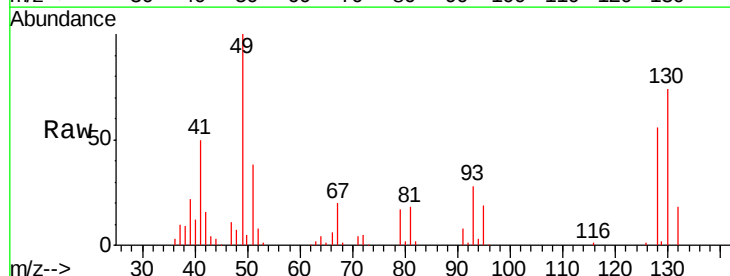
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



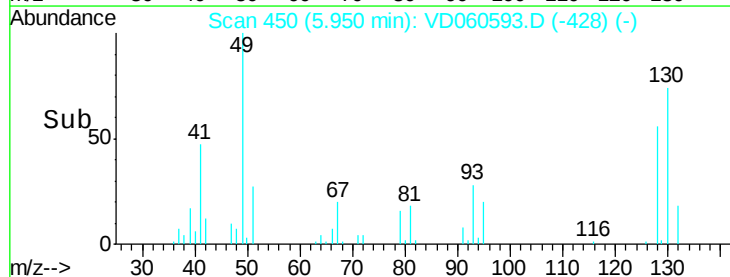
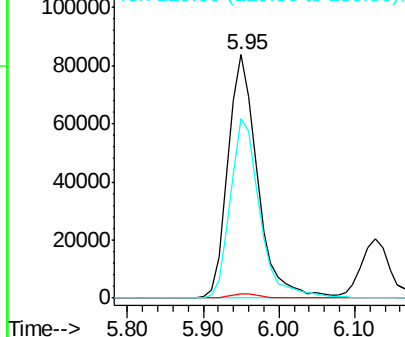
#28

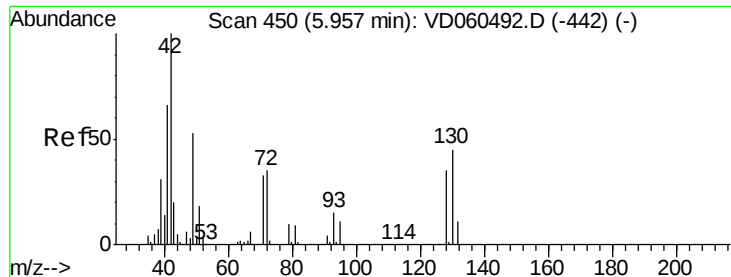
Bromochloromethane
 Concen: 18.436 ug/l
 RT: 5.95 min Scan# 450
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion: 49 Resp: 225318
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.4
 130 73.8 59.8 89.6



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: 99.773 ug/l

RT: 5.98 min Scan# 453

Delta R.T. 0.02 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

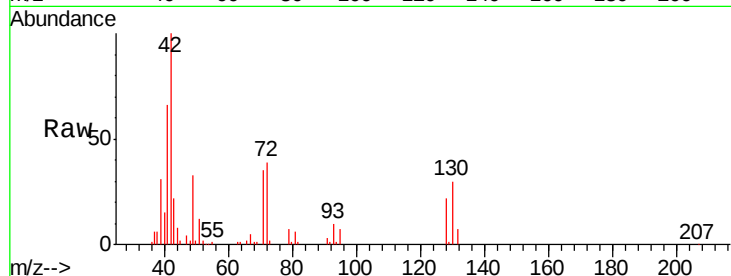
Tgt Ion: 42 Resp: 196980

Ion Ratio Lower Upper

42 100

72 37.0 28.0 42.0

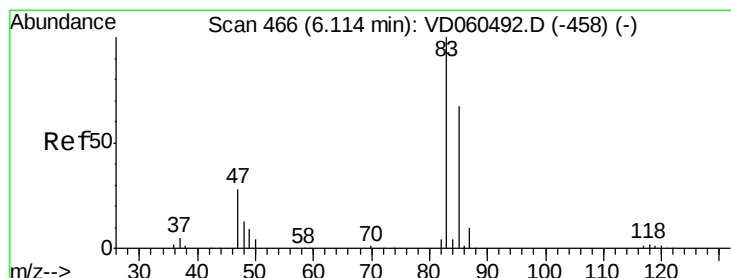
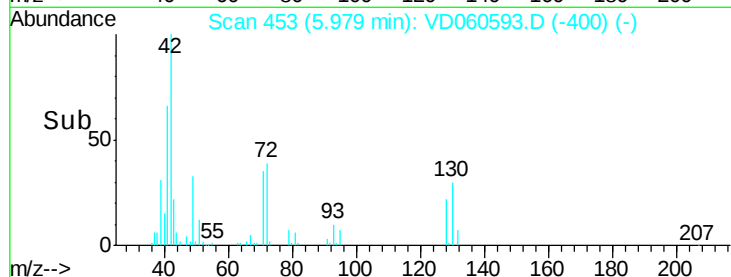
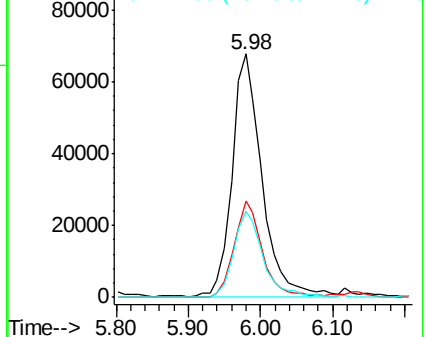
71 34.6 27.2 40.8



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: 20.443 ug/l

RT: 6.13 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD060593.D

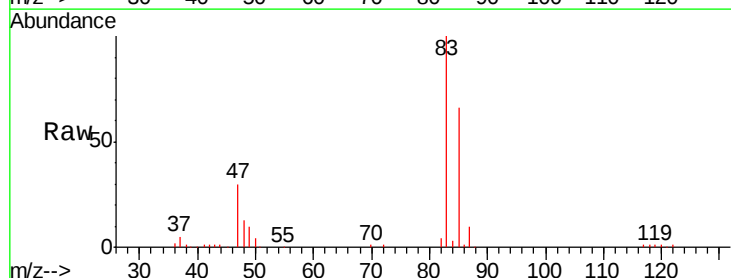
Acq: 17 Dec 2018 12:16

Tgt Ion: 83 Resp: 568228

Ion Ratio Lower Upper

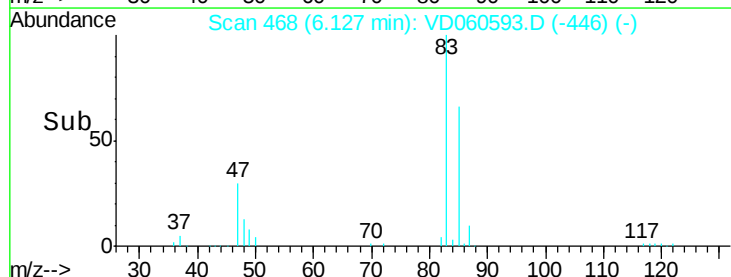
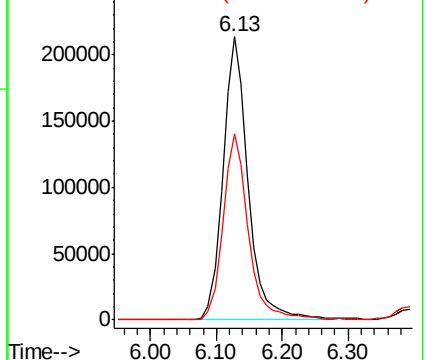
83 100

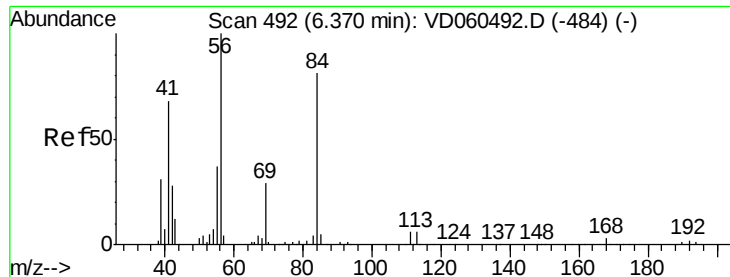
85 65.8 53.4 80.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

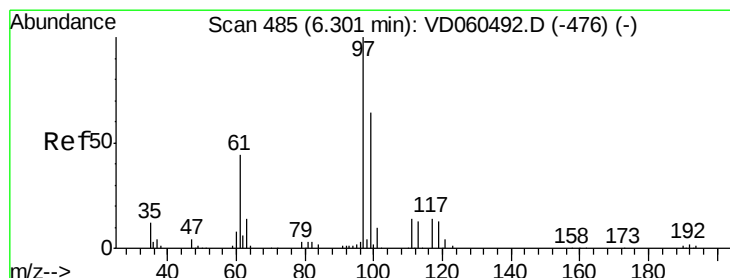
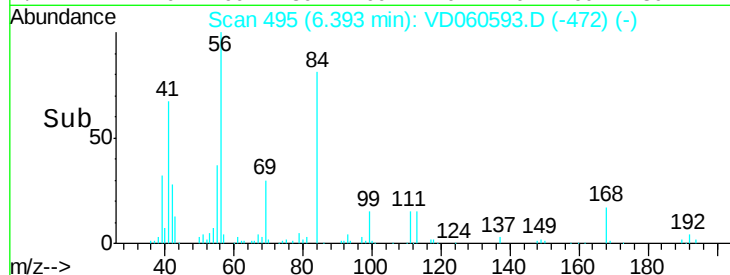
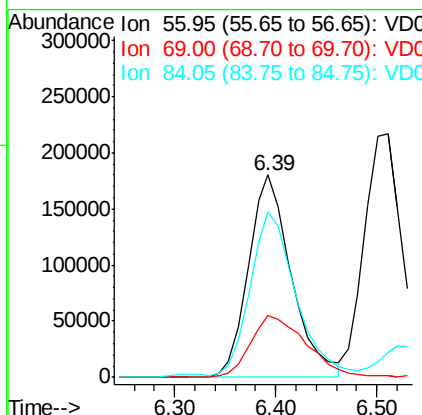
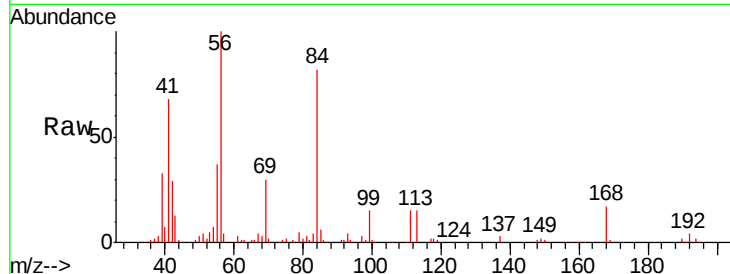




#31
Cyclohexane
Concen: 20.319 ug/l
RT: 6.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

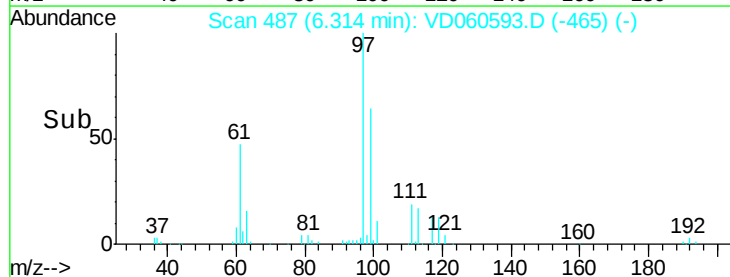
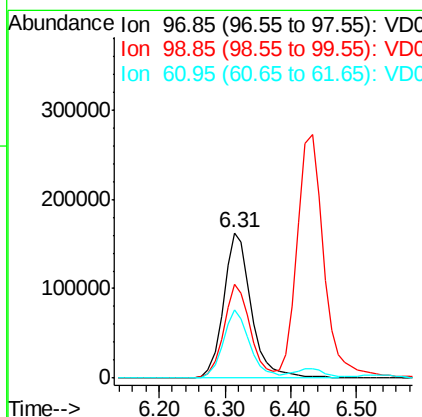
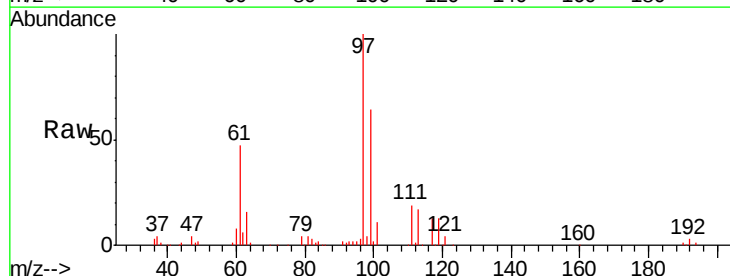
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

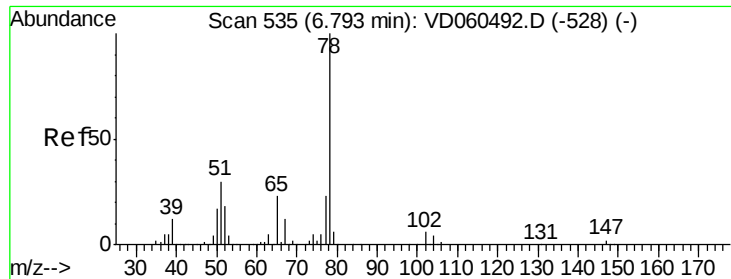
Tgt Ion	Resp	Lower	Upper
56	100		
69	30.4	22.8	34.2
84	82.0	65.1	97.7



#32
1,1,1-Trichloroethane
Concen: 20.869 ug/l
RT: 6.31 min Scan# 487
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.3	51.0	76.4
61	46.8	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 20.869 ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

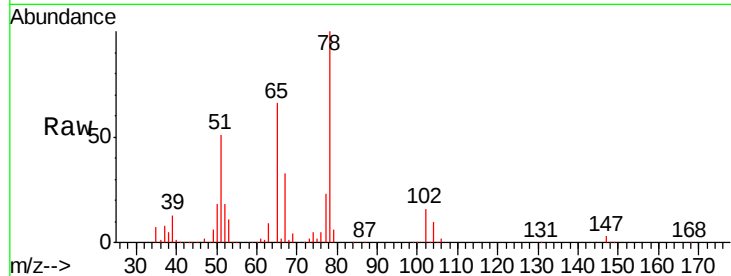
VD1217SBS01

Tgt Ion: 65 Resp: 558694

Ion Ratio Lower Upper

65 100

67 50.2 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

50000

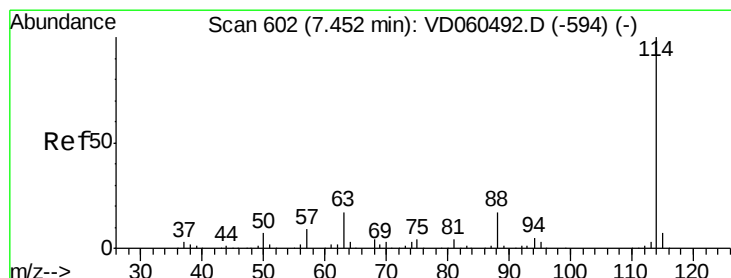
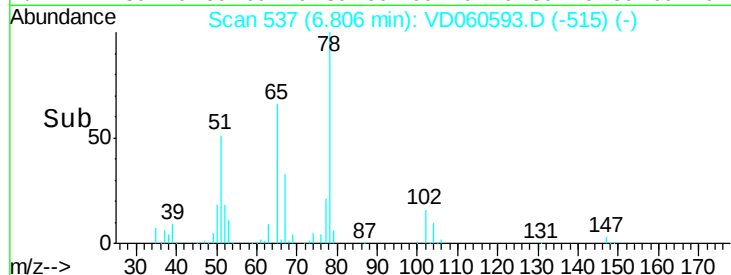
0

6.70

6.80

6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

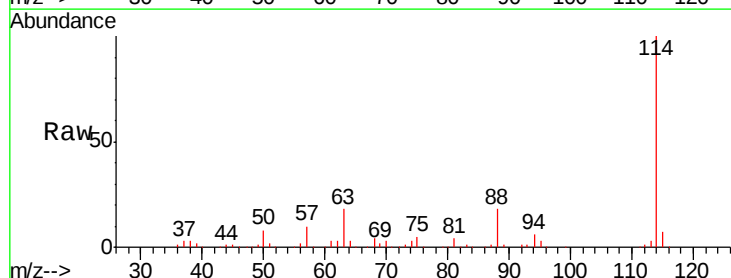
Tgt Ion: 114 Resp: 2127164

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.2

88 18.2 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

400000

200000

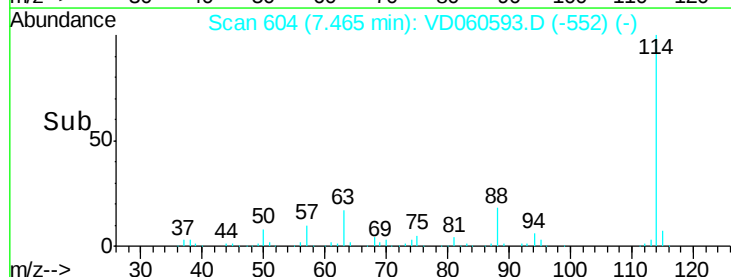
0

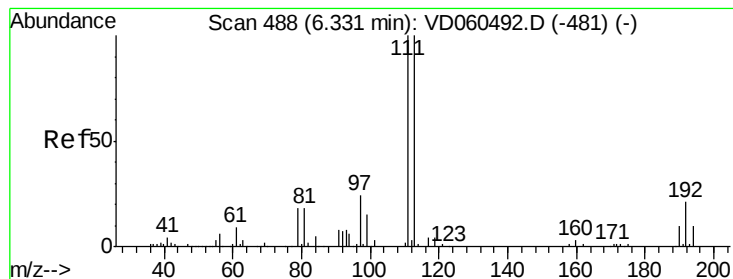
7.40

7.60

7.80

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.34 min Scan# 490

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

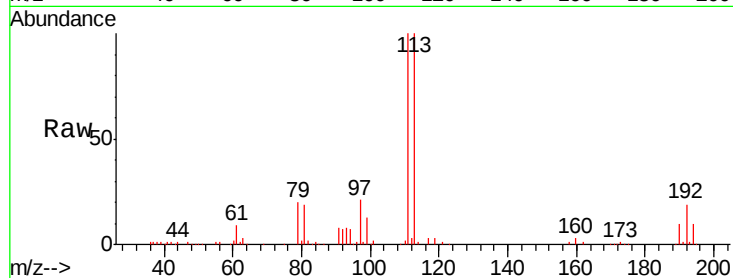
Tgt Ion:113 Resp: 804136

Ion Ratio Lower Upper

113 100

111 100.2 80.2 120.4

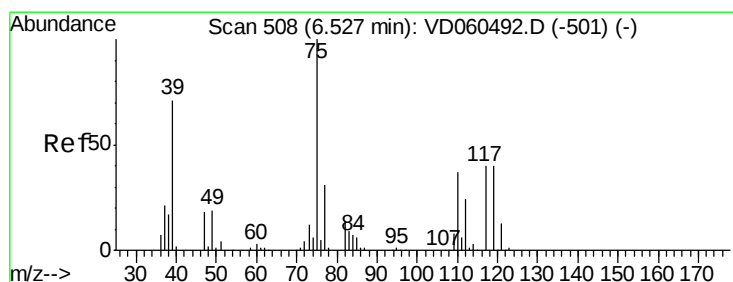
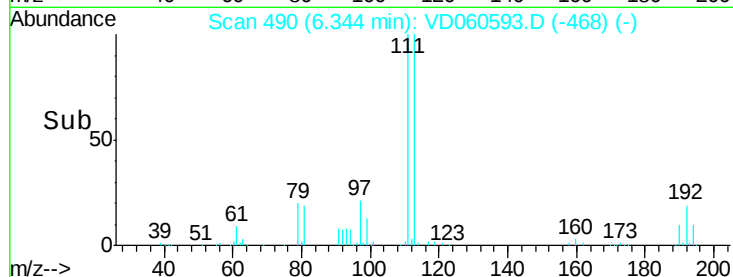
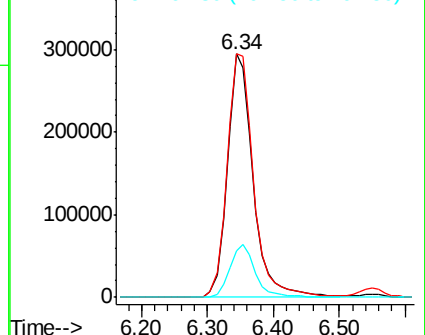
192 19.2 16.6 24.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.084 ug/l

RT: 6.55 min Scan# 511

Delta R.T. 0.02 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

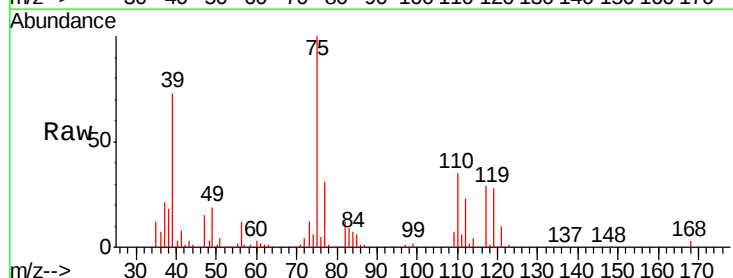
Tgt Ion: 75 Resp: 438398

Ion Ratio Lower Upper

75 100

110 34.6 18.3 54.8

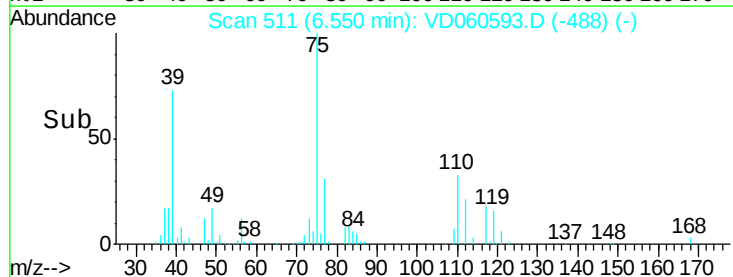
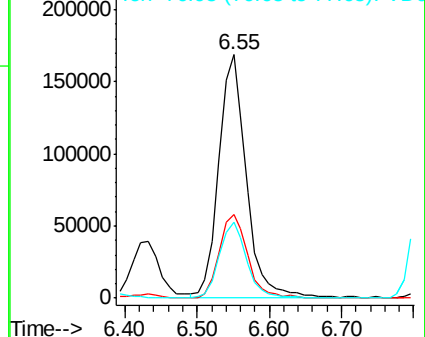
77 31.0 24.6 37.0

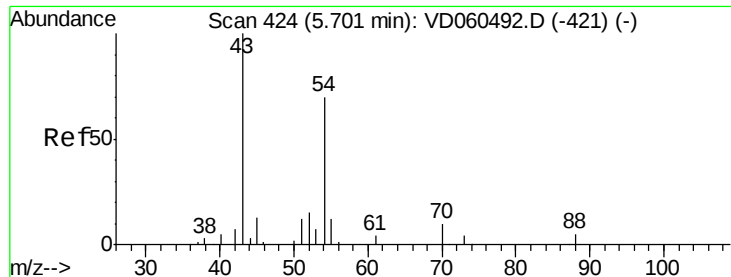


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

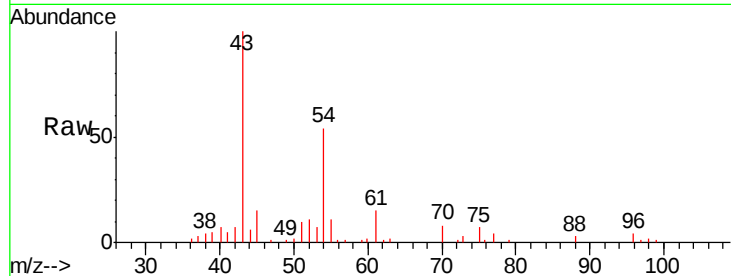




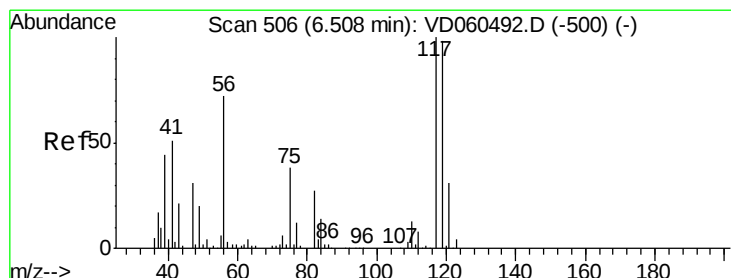
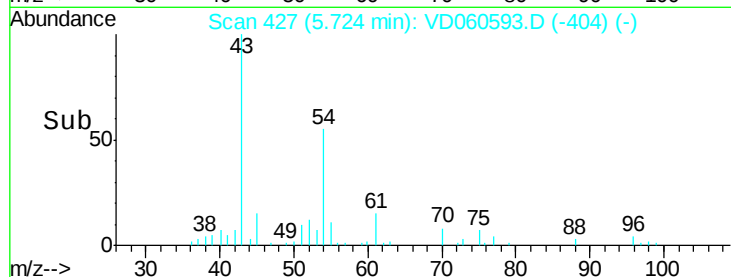
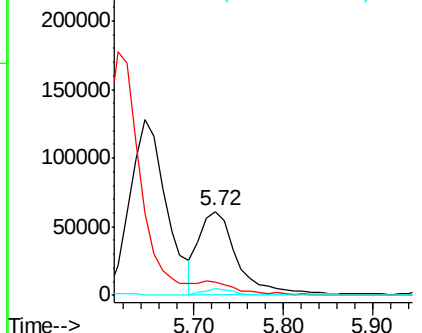
#37
 Ethyl Acetate
 Concen: 19.284 ug/l
 RT: 5.72 min Scan# 427
 Delta R.T. 0.02 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tgt Ion: 43 Resp: 173892
 Ion Ratio Lower Upper
 43 100
 61 15.2 12.4 18.6
 70 7.7 5.4 8.0

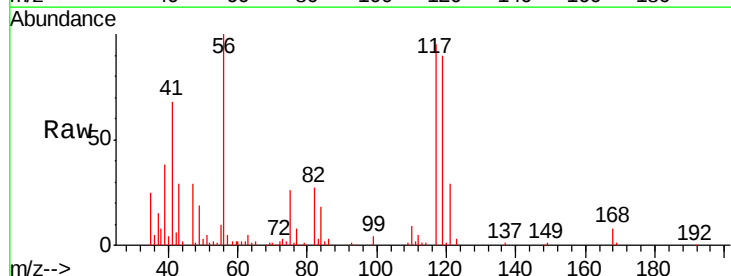


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

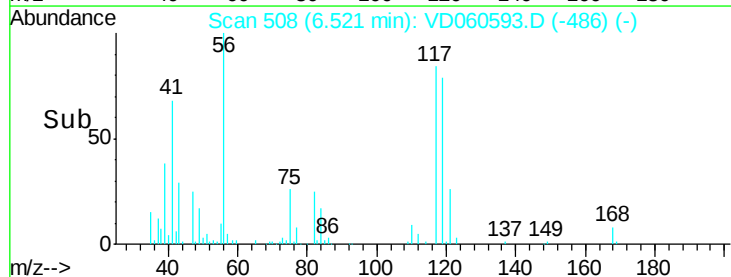
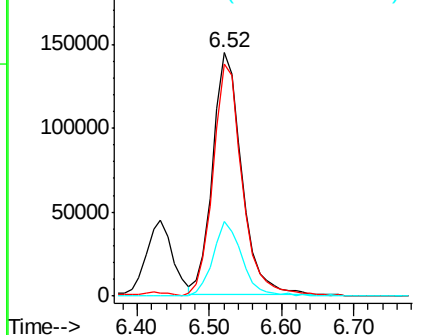


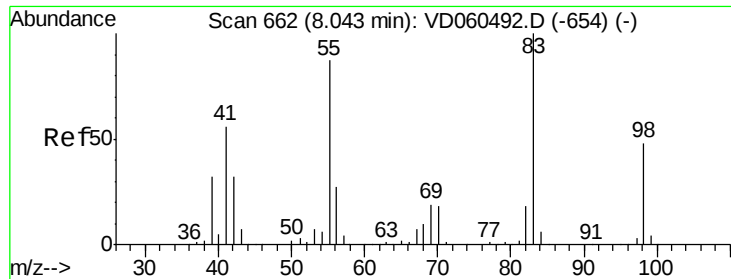
#38
 Carbon Tetrachloride
 Concen: 21.458 ug/l
 RT: 6.52 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion: 117 Resp: 400551
 Ion Ratio Lower Upper
 117 100
 119 95.1 76.8 115.2
 121 30.5 24.4 36.6



Abundance Ion 116.85 (116.55 to 117.55): V
 Ion 118.85 (118.55 to 119.55): V
 Ion 120.85 (120.55 to 121.55): V

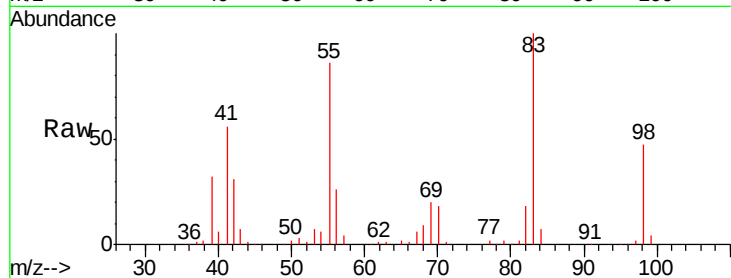




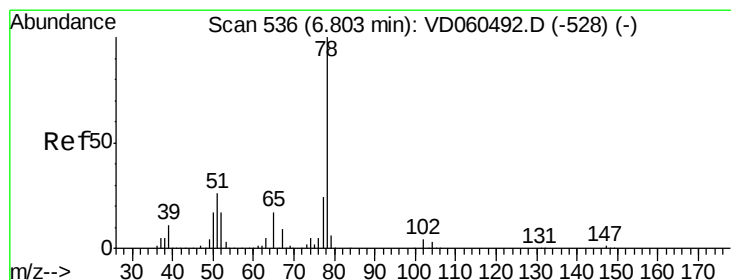
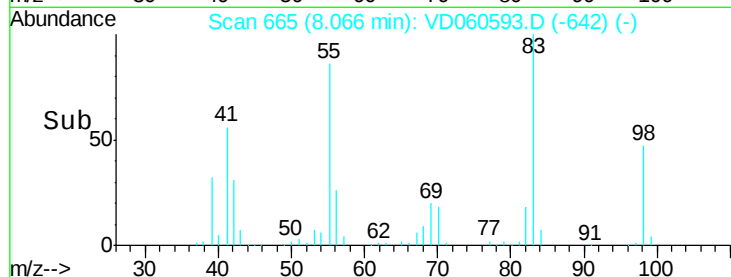
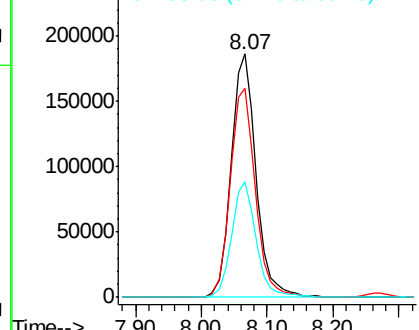
#39
Methylcyclohexane
Concen: 20.813 ug/l
RT: 8.07 min Scan# 665
Delta R.T. 0.02 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tgt Ion: 83 Resp: 493343
Ion Ratio Lower Upper
83 100
55 85.7 69.8 104.8
98 47.5 38.4 57.6

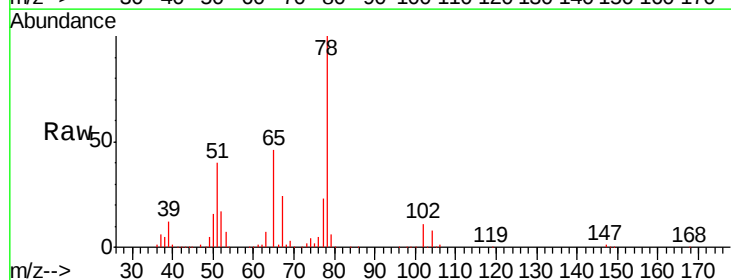


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

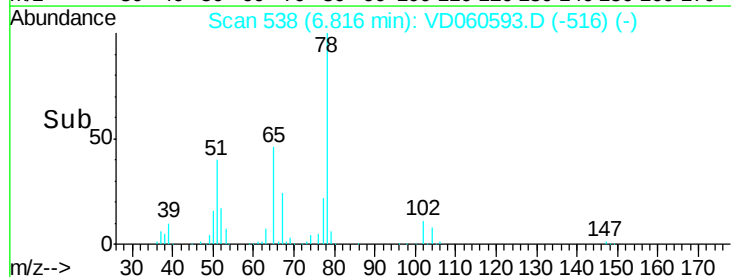
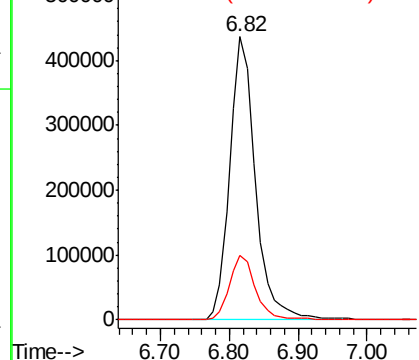


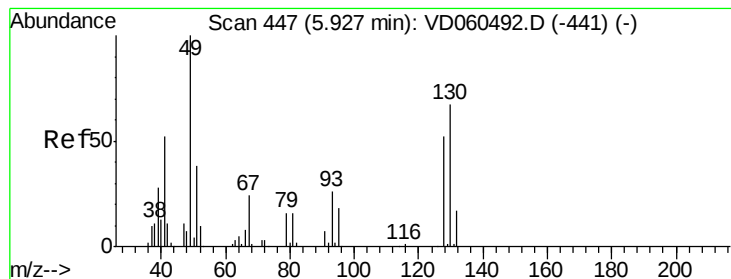
#40
Benzene
Concen: 21.214 ug/l
RT: 6.82 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 78 Resp: 1127313
Ion Ratio Lower Upper
78 100
77 23.0 18.9 28.3



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





#41

Methacrylonitrile

Concen: 43.440 ug/l

RT: 5.98 min Scan# 453

Delta R.T. 0.05 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tgt Ion: 41 Resp: 211163

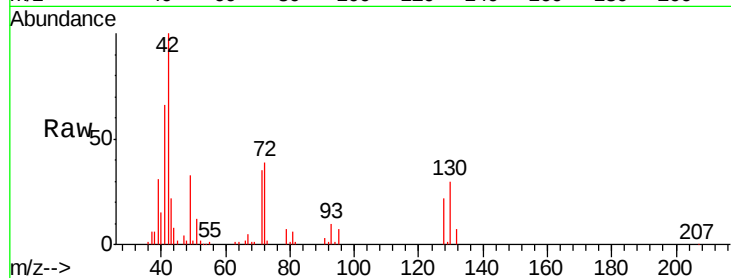
Ion Ratio Lower Upper

41 100

39 46.7 42.6 63.8

67 7.2 36.2 54.4#

52 3.3 15.6 23.4#

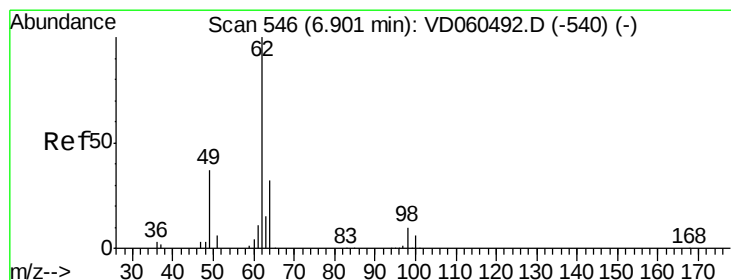
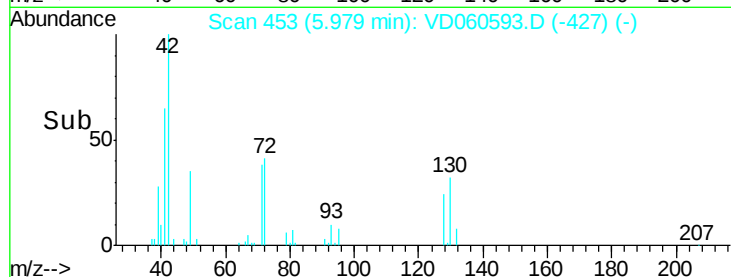
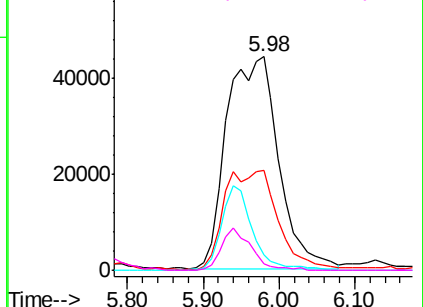


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.552 ug/l

RT: 6.91 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD060593.D

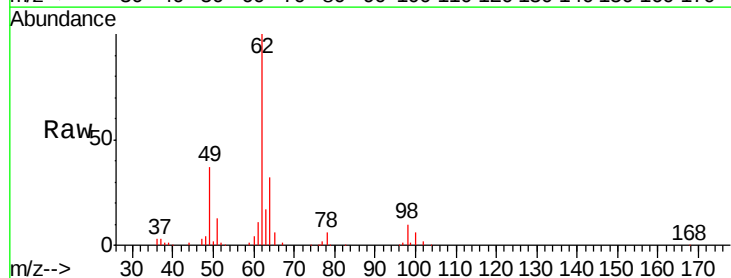
Acq: 17 Dec 2018 12:16

Tgt Ion: 62 Resp: 291195

Ion Ratio Lower Upper

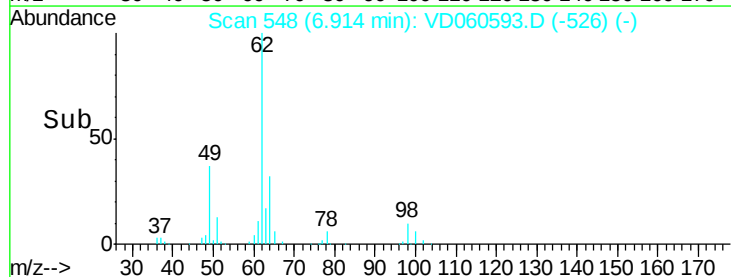
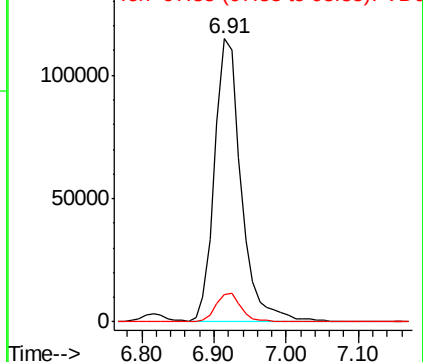
62 100

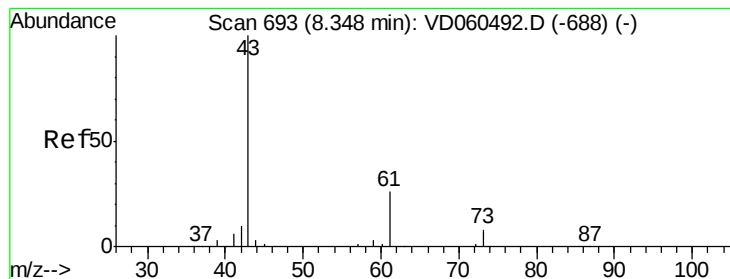
98 9.6 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.943 ug/l

RT: 8.37 min Scan# 696

Delta R.T. 0.02 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

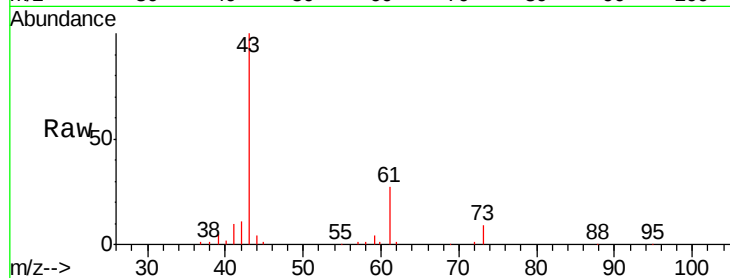
Tgt Ion: 43 Resp: 221989

Ion Ratio Lower Upper

43 100

61 26.9 21.0 31.4

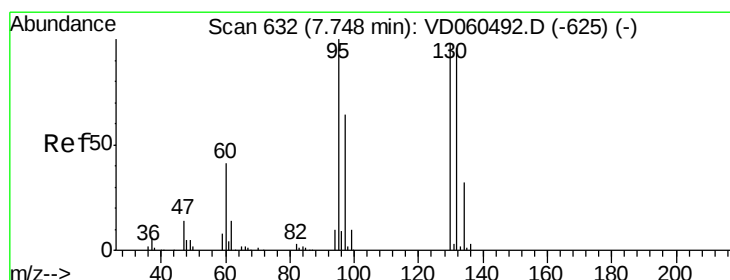
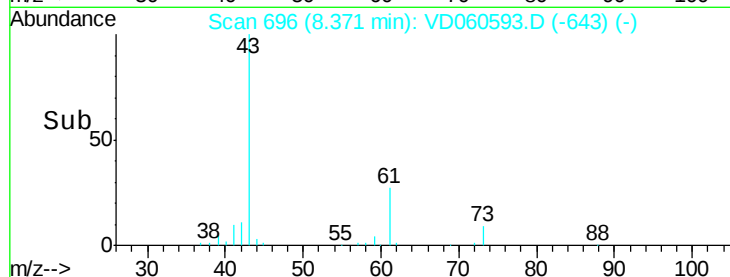
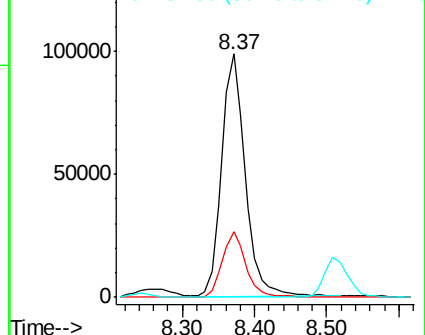
87 0.0 0.2 0.2#



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: 21.036 ug/l

RT: 7.76 min Scan# 634

Delta R.T. 0.01 min

Lab File: VD060593.D

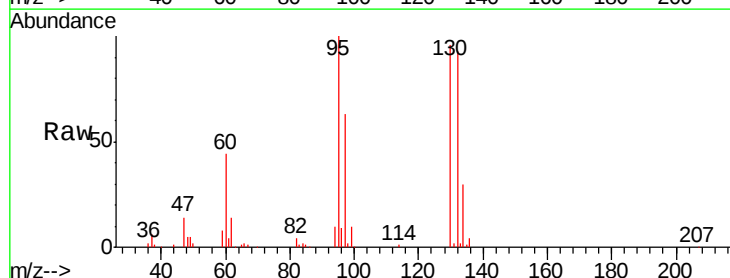
Acq: 17 Dec 2018 12:16

Tgt Ion:130 Resp: 334073

Ion Ratio Lower Upper

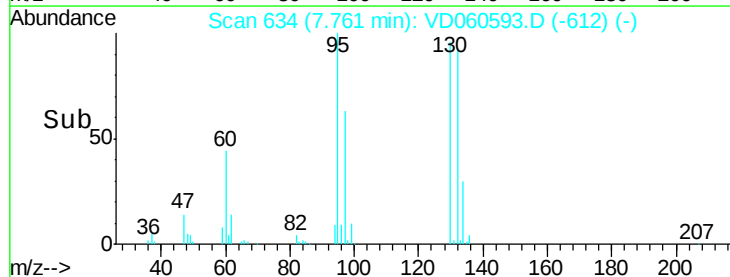
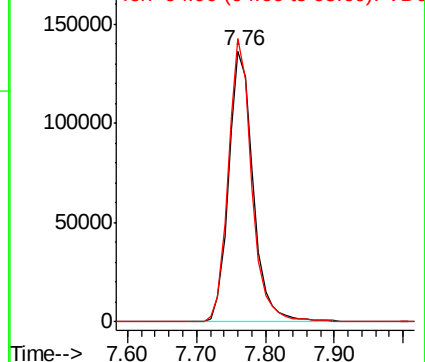
130 100

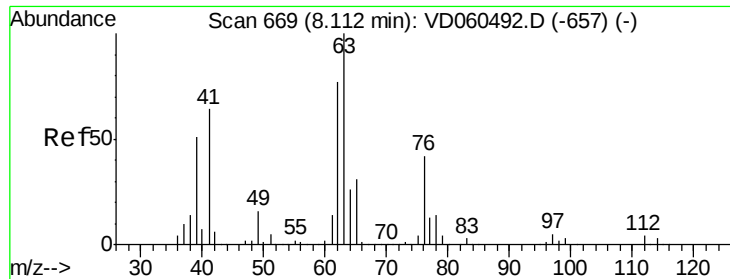
95 104.6 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

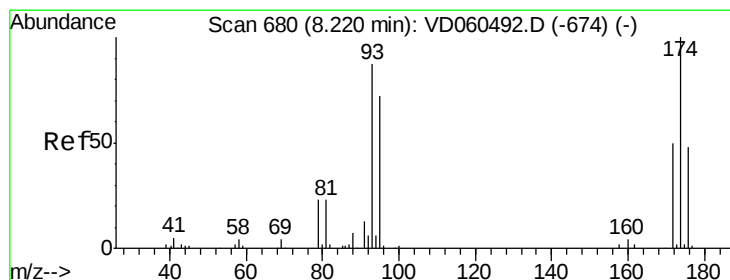
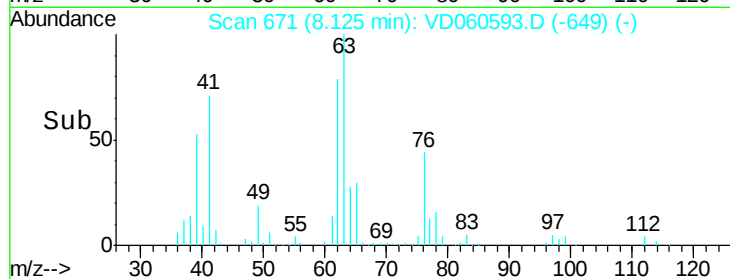
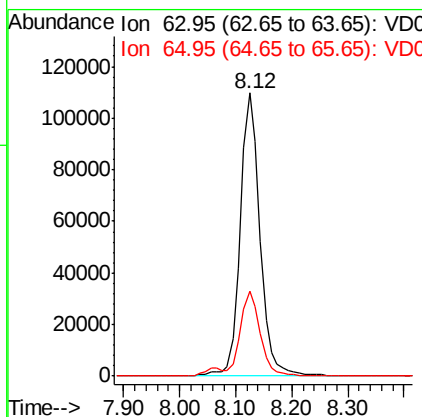
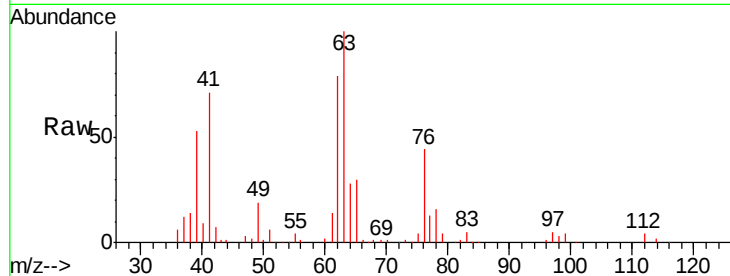




#45
 1,2-Dichloropropane
 Concen: 20.469 ug/l
 RT: 8.12 min Scan# 671
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

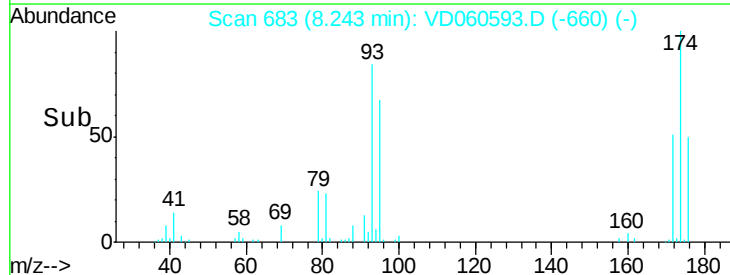
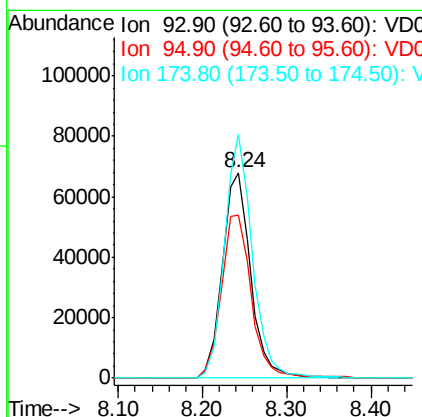
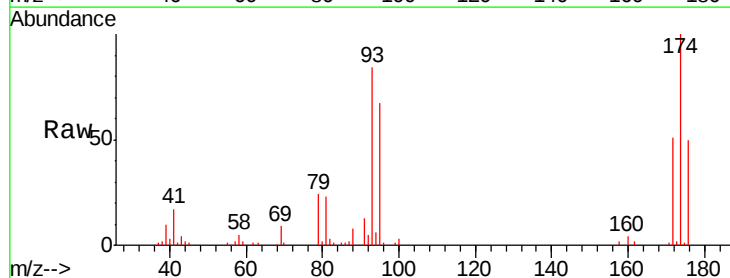
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

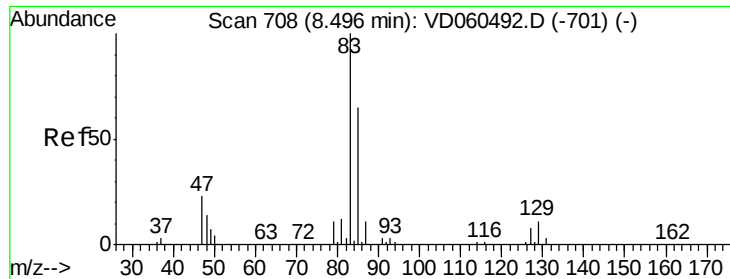
Tgt Ion: 63 Resp: 269017
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 37.0



#46
 Dibromomethane
 Concen: 20.806 ug/l
 RT: 8.24 min Scan# 683
 Delta R.T. 0.02 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion: 93 Resp: 157991
 Ion Ratio Lower Upper
 93 100
 95 79.5 65.6 98.4
 174 118.5 91.7 137.5





#47

Bromodichloromethane

Concen: 20.866 ug/l

RT: 8.51 min Scan# 710

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

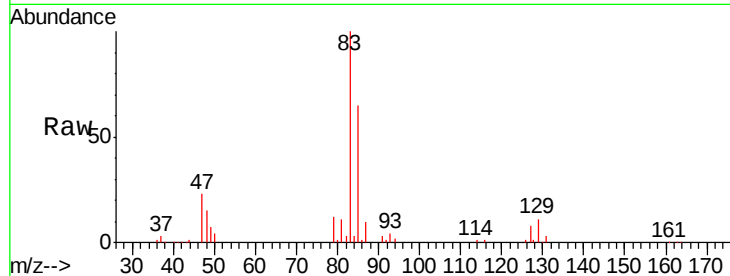
Tgt Ion: 83 Resp: 375949

Ion Ratio Lower Upper

83 100

85 65.4 52.2 78.4

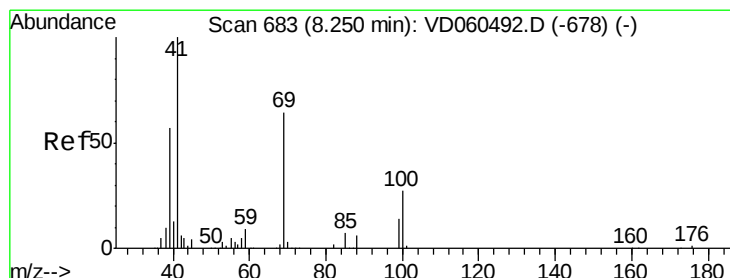
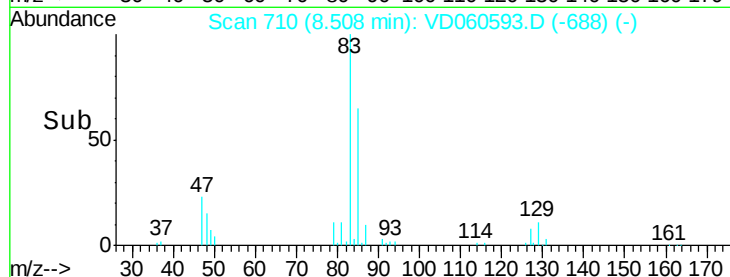
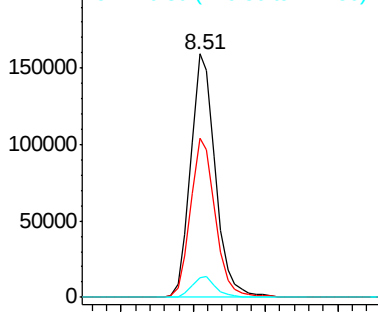
127 7.9 6.7 10.1



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.383 ug/l

RT: 8.27 min Scan# 686

Delta R.T. 0.02 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

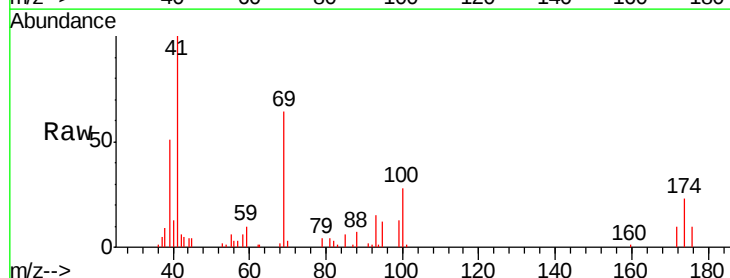
Tgt Ion: 41 Resp: 134251

Ion Ratio Lower Upper

41 100

69 64.1 50.2 75.4

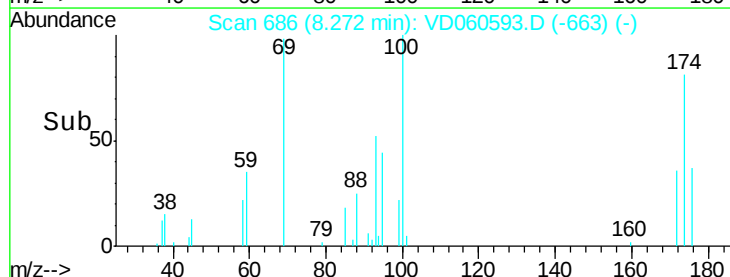
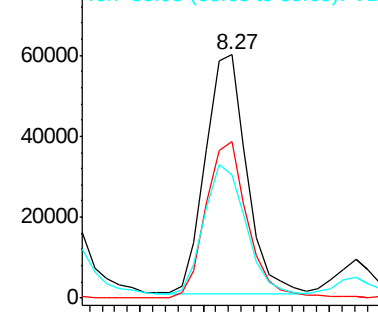
39 50.9 46.1 69.1

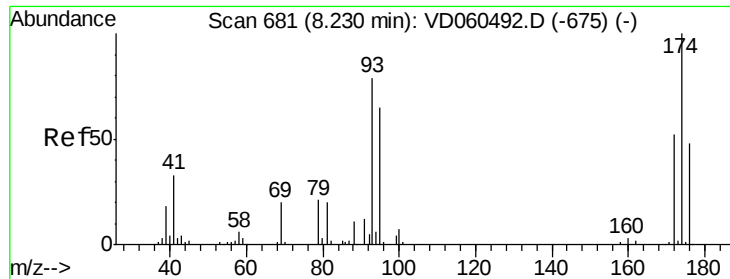


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

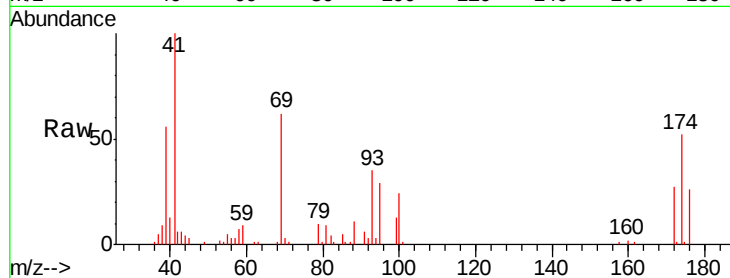




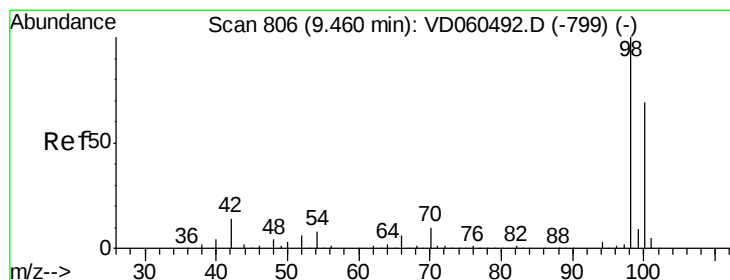
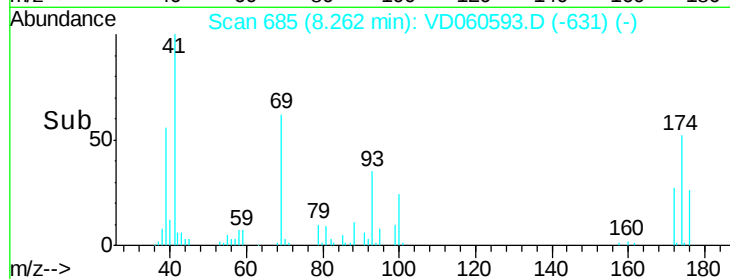
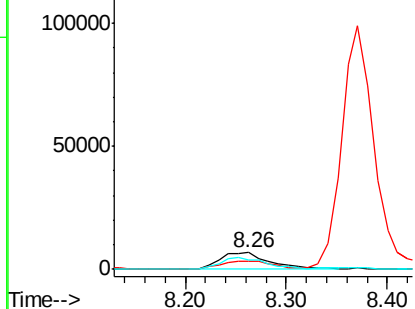
#49
1,4-Dioxane
Concen: 391.813 ug/l
RT: 8.26 min Scan# 685
Delta R.T. 0.03 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tgt Ion: 88 Resp: 23389
Ion Ratio Lower Upper
88 100
43 51.6 32.9 49.3#
58 59.6 47.7 71.5

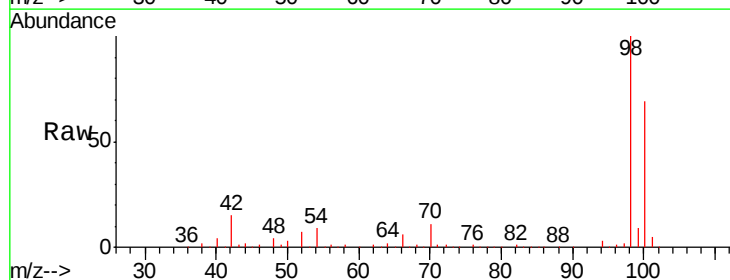


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

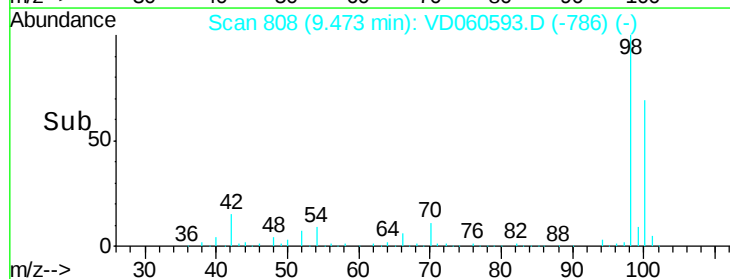
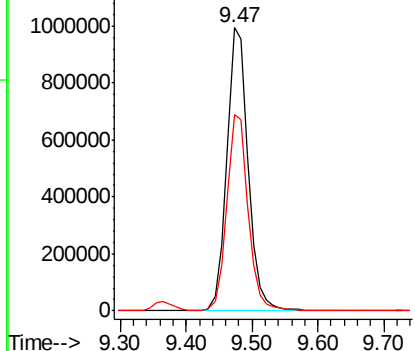


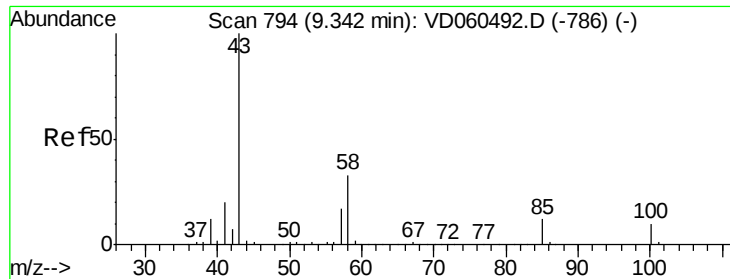
#50
Toluene-d8
Concen: 391.813 ug/l
RT: 9.47 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 98 Resp: 2257608
Ion Ratio Lower Upper
98 100
100 69.5 55.7 83.5



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: 100.969 ug/l

RT: 9.36 min Scan# 797

Delta R.T. 0.02 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

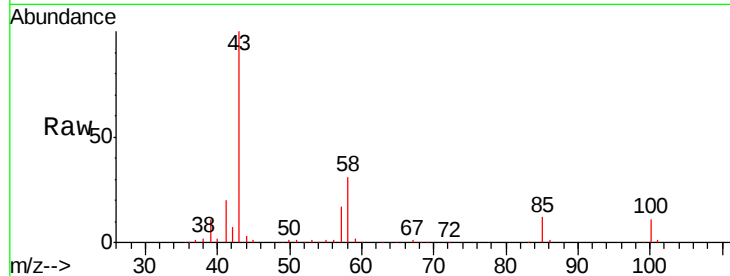
VD1217SBS01

Tgt Ion: 43 Resp: 699128

Ion Ratio Lower Upper

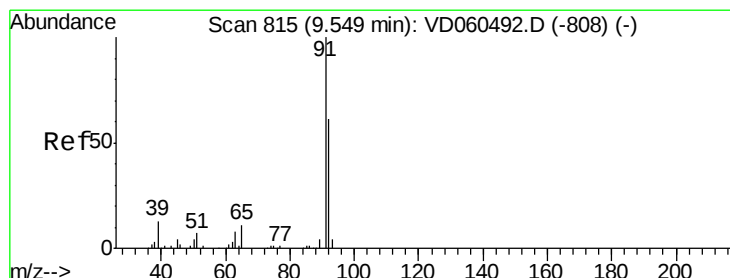
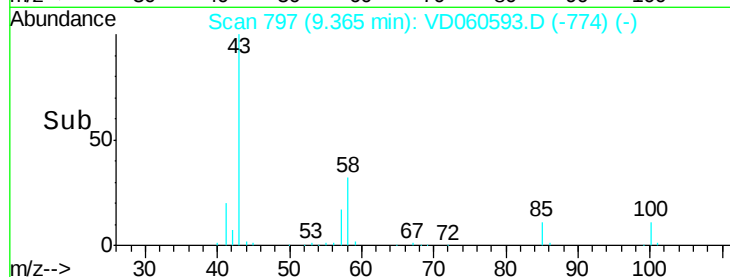
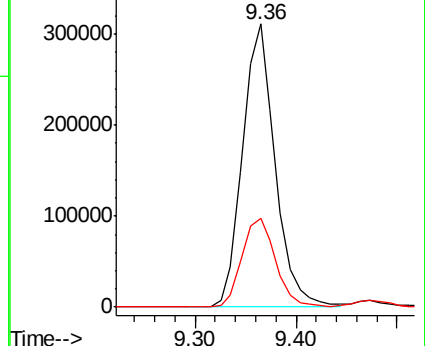
43 100

58 31.5 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.094 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.02 min

Lab File: VD060593.D

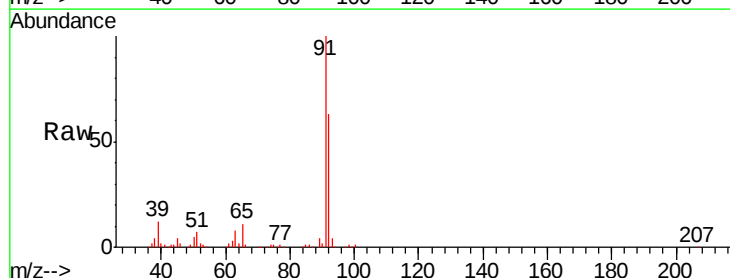
Acq: 17 Dec 2018 12:16

Tgt Ion: 92 Resp: 700592

Ion Ratio Lower Upper

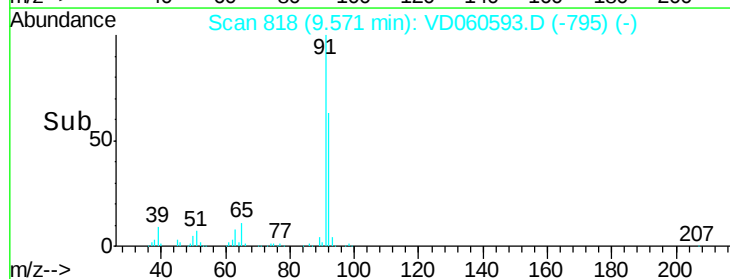
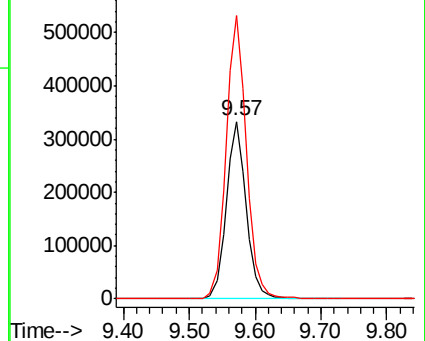
92 100

91 159.5 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

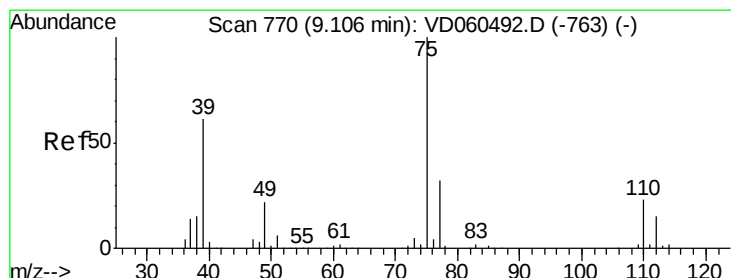
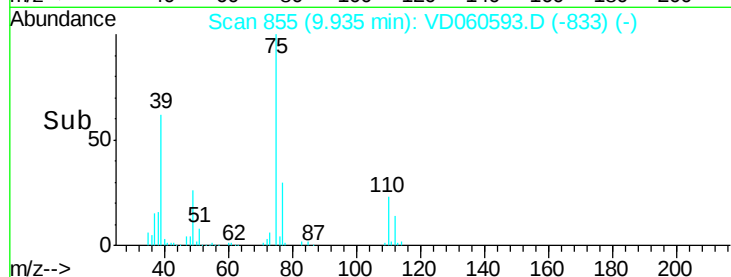
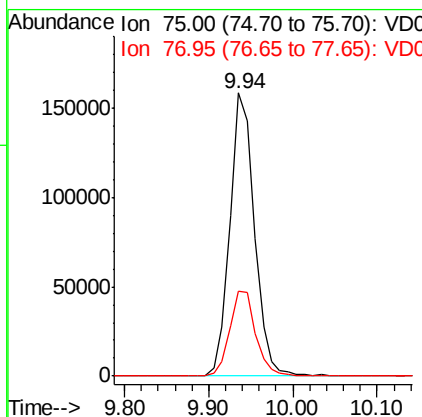
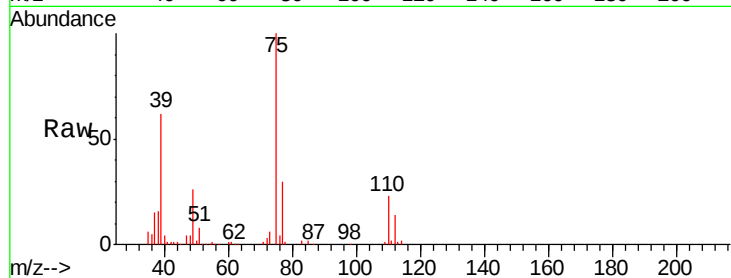




#53
 t-1,3-Dichloropropene
 Concen: 21.754 ug/l
 RT: 9.94 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

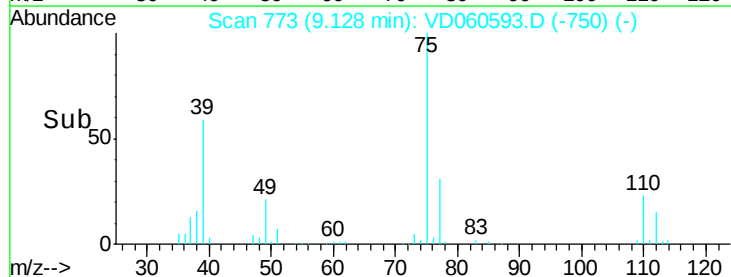
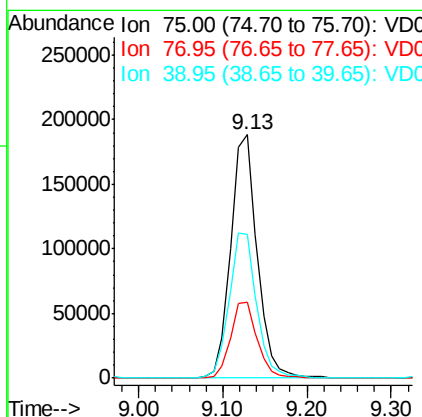
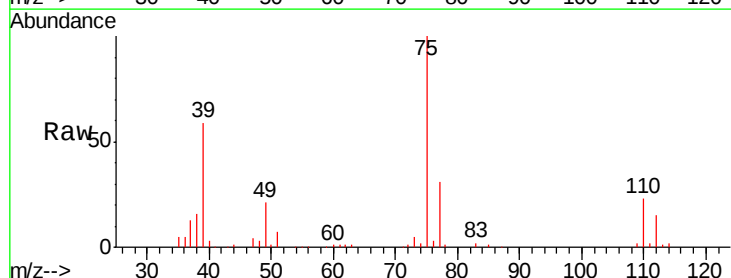
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

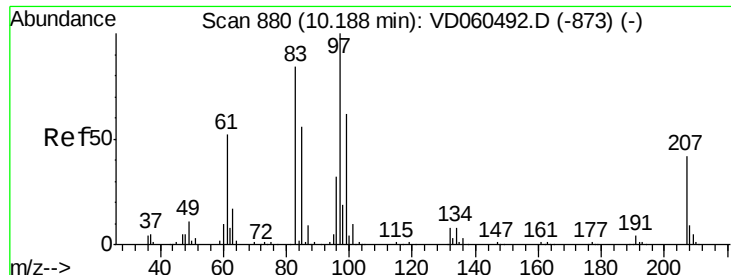
Tgt Ion: 75 Resp: 322067
 Ion Ratio Lower Upper
 75 100
 77 30.1 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 21.205 ug/l
 RT: 9.13 min Scan# 773
 Delta R.T. 0.02 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion: 75 Resp: 412470
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.6 38.4
 39 59.1 48.6 73.0

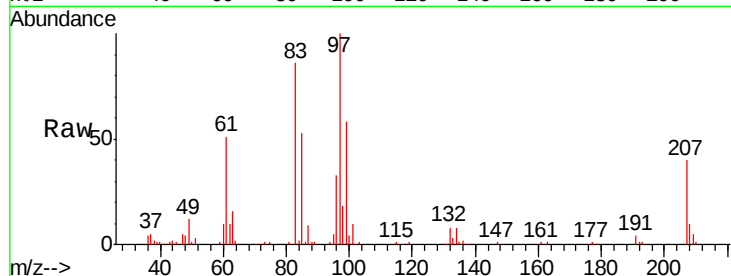




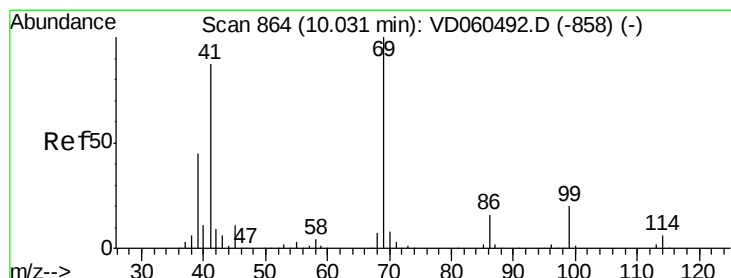
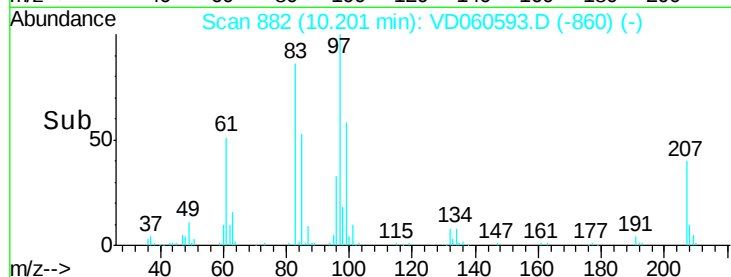
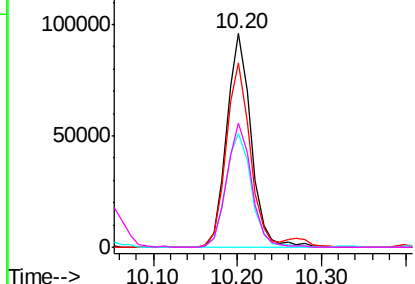
#55
 1,1,2-Trichloroethane
 Concen: 20.844 ug/l
 RT: 10.20 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1217SBS01

Tgt Ion: 97 Resp: 192792
 Ion Ratio Lower Upper
 97 100
 83 86.3 67.2 100.8
 85 53.1 44.5 66.7
 99 58.4 49.3 73.9

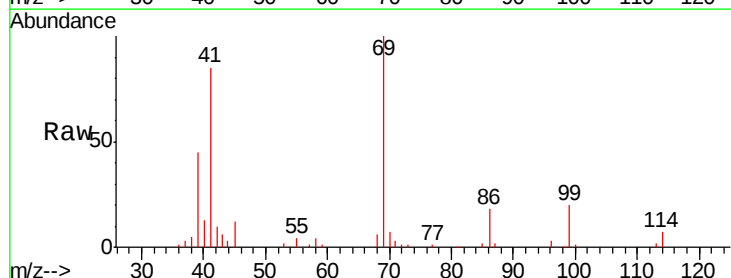


Abundance Ion 96.85 (96.55 to 97.55): VDC
 150000 Ion 82.95 (82.65 to 83.65): VDC
 100000 Ion 84.95 (84.65 to 85.65): VDC
 50000 Ion 98.85 (98.55 to 99.55): VDC

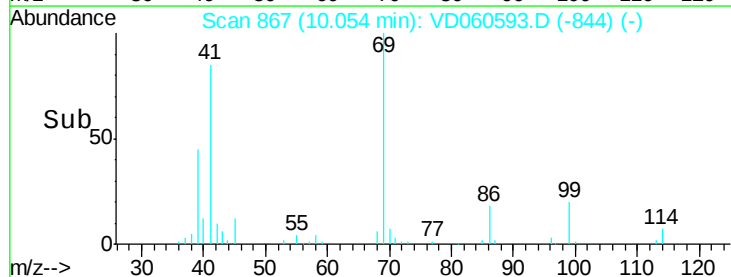
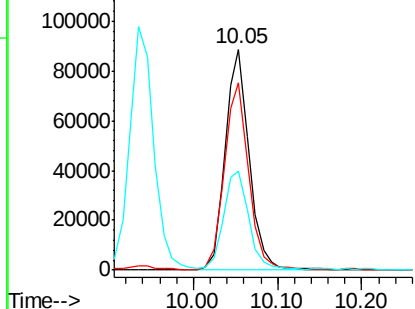


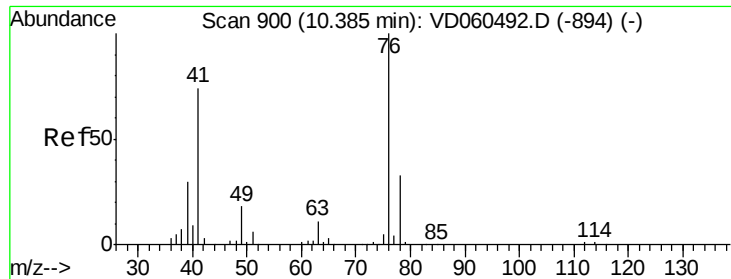
#56
 Ethyl methacrylate
 Concen: 20.787 ug/l
 RT: 10.05 min Scan# 867
 Delta R.T. 0.02 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion: 69 Resp: 174002
 Ion Ratio Lower Upper
 69 100
 41 84.7 69.8 104.8
 39 44.8 37.5 56.3



Abundance Ion 69.00 (68.70 to 69.70): VDC
 120000 Ion 41.05 (40.75 to 41.75): VDC
 100000 Ion 38.95 (38.65 to 39.65): VDC

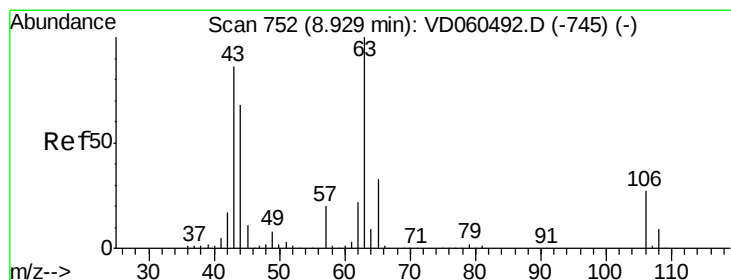
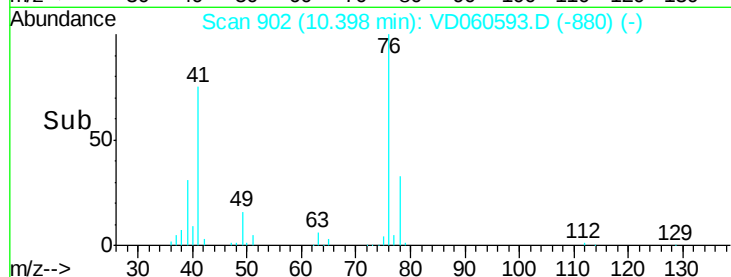
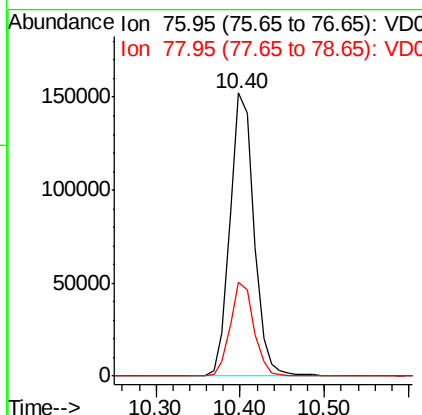
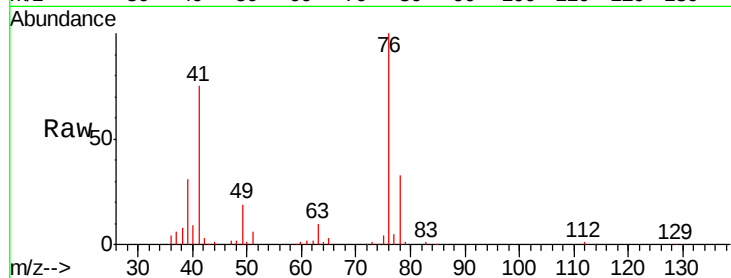




#57
 1,3-Dichloropropane
 Concen: 21.148 ug/l
 RT: 10.40 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

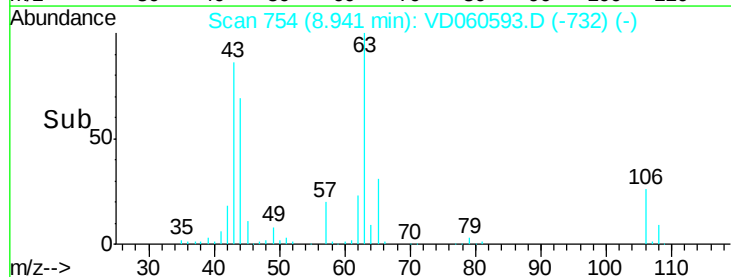
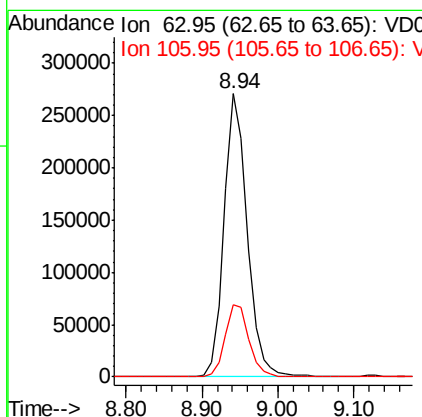
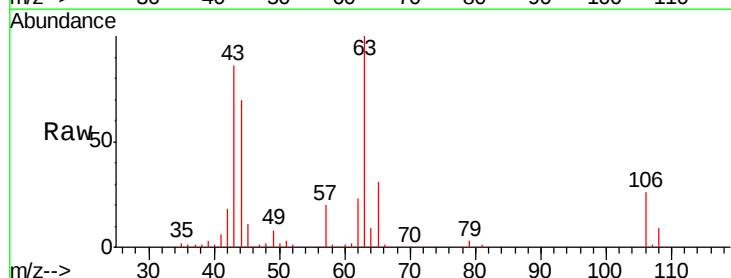
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

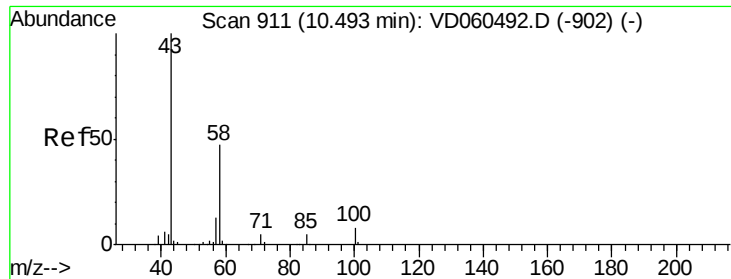
Tgt Ion: 76 Resp: 302383
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.212 ug/l
 RT: 8.94 min Scan# 754
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion: 63 Resp: 572049
 Ion Ratio Lower Upper
 63 100
 106 25.7 21.6 32.4

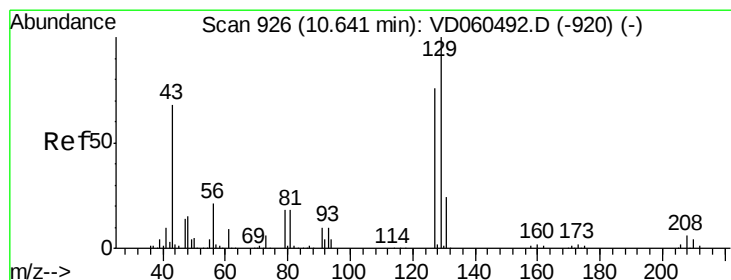
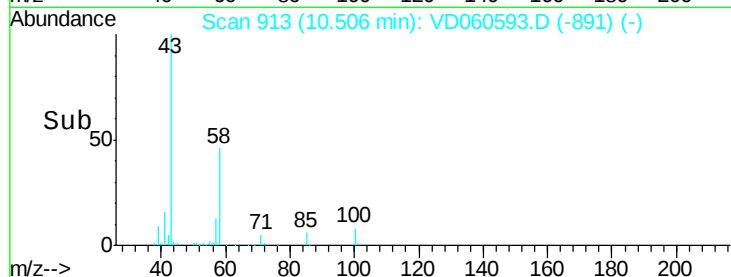
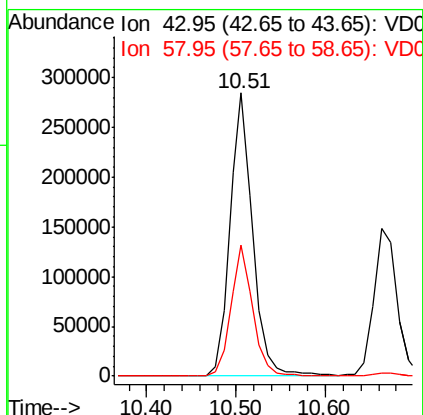
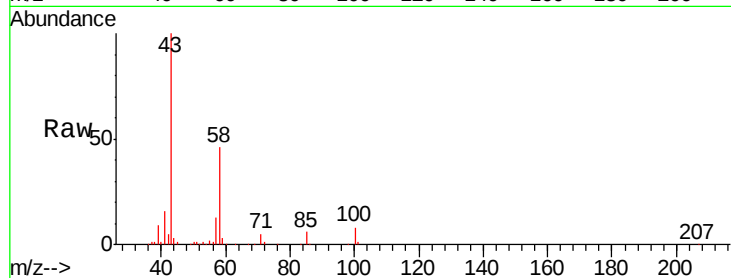




#59
2-Hexanone
Concen: 105.209 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

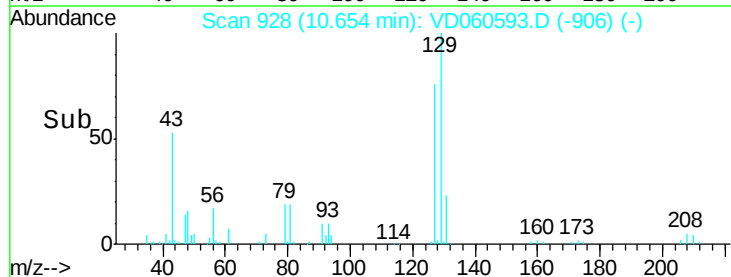
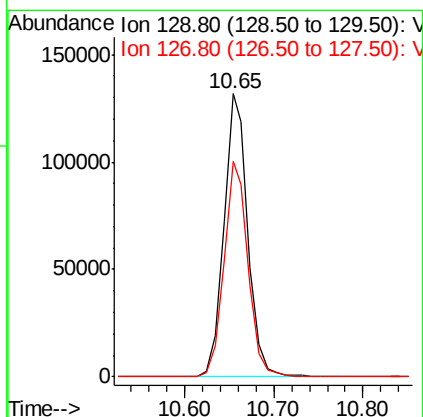
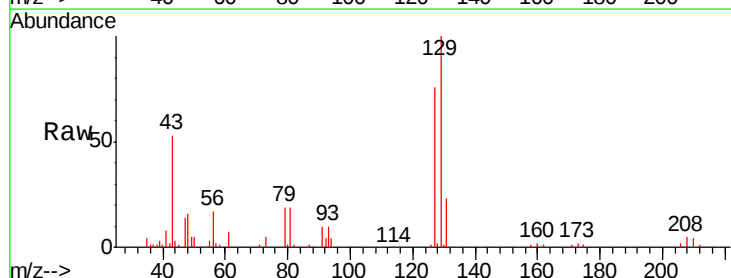
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

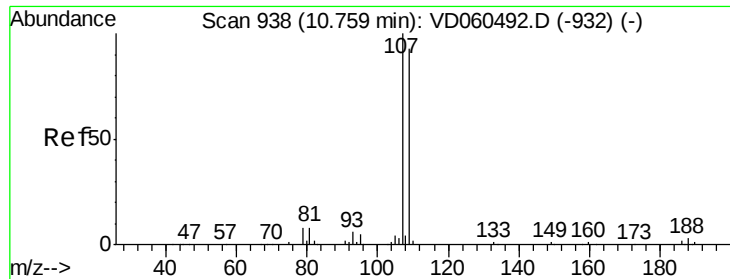
Tgt Ion: 43 Resp: 509196
Ion Ratio Lower Upper
43 100
58 46.2 23.4 70.2



#60
Dibromochloromethane
Concen: 21.400 ug/l
RT: 10.65 min Scan# 928
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 129 Resp: 247476
Ion Ratio Lower Upper
129 100
127 76.3 38.1 114.3

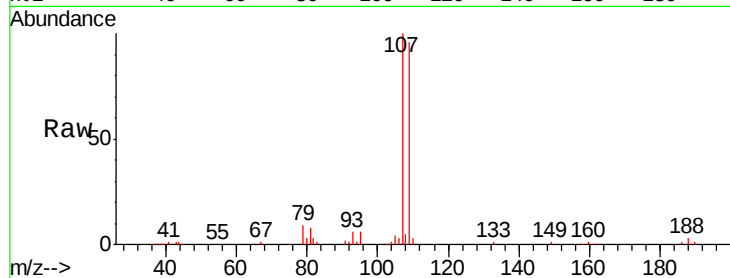




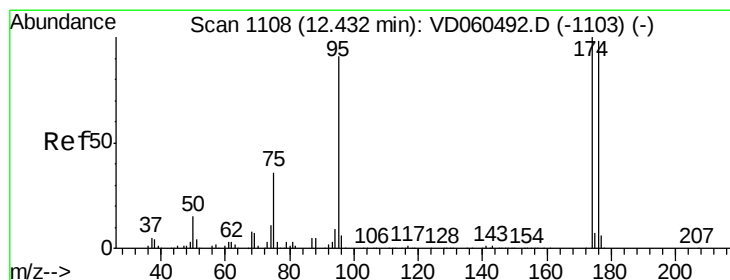
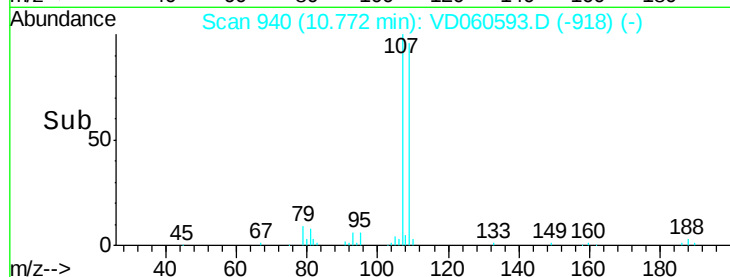
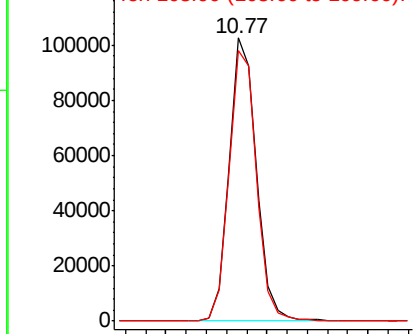
#61
 1,2-Dibromoethane
 Concen: 20.269 ug/l
 RT: 10.77 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tgt Ion: 107 Resp: 191053
 Ion Ratio Lower Upper
 107 100
 109 95.7 74.7 112.1

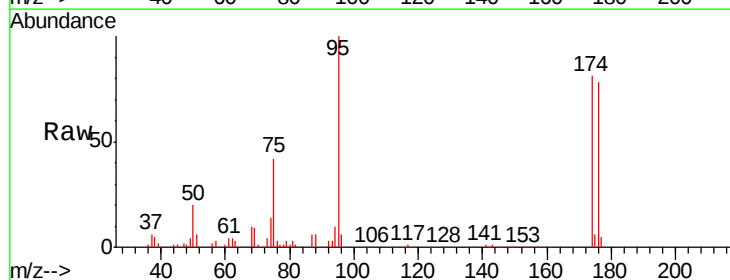


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.90 (108.60 to 109.60): V

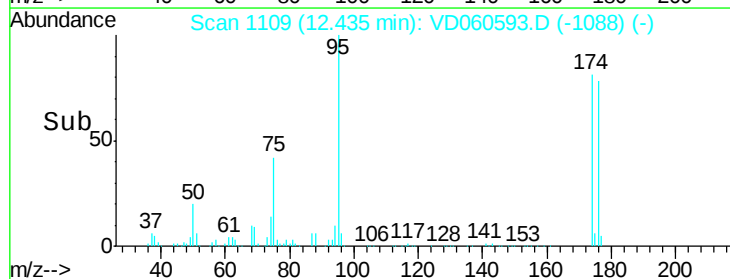
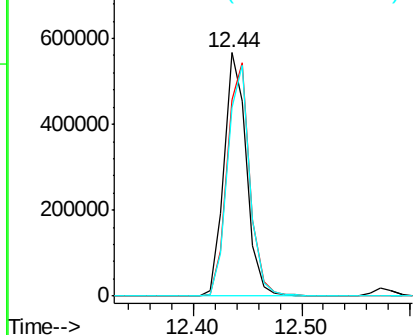


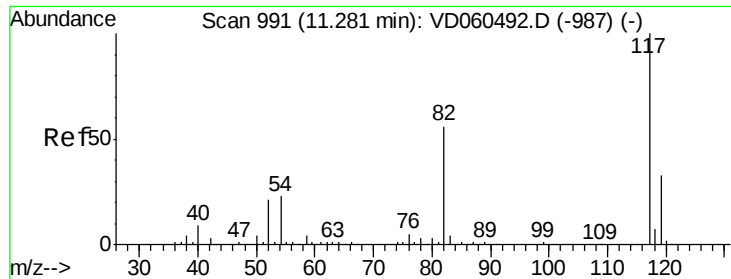
#62
 4-Bromofluorobenzene
 Concen: 20.269 ug/l
 RT: 12.44 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion: 95 Resp: 817700
 Ion Ratio Lower Upper
 95 100
 174 80.8 0.0 219.4
 176 77.7 0.0 214.6



Abundance Ion 95.00 (94.70 to 95.70): V
 Ion 173.90 (173.60 to 174.60): V
 Ion 175.90 (175.60 to 176.60): V

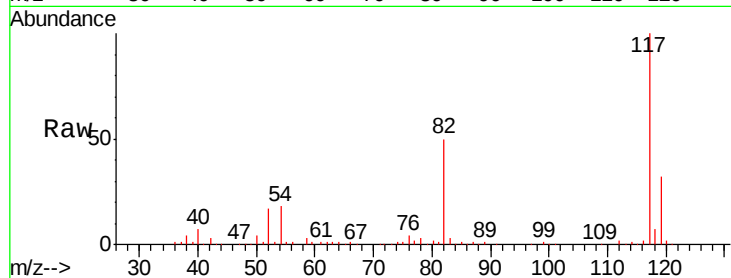




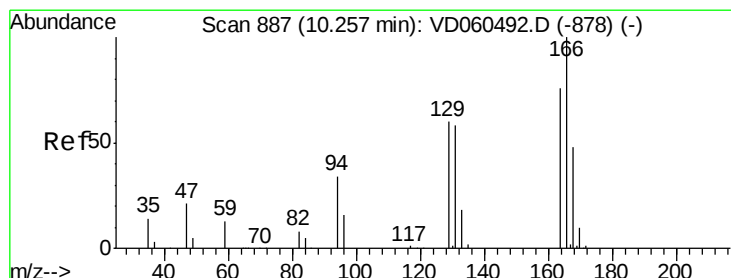
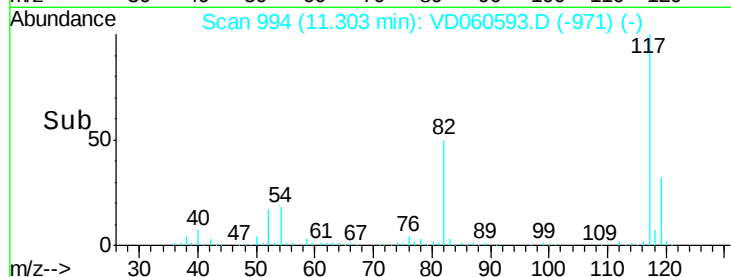
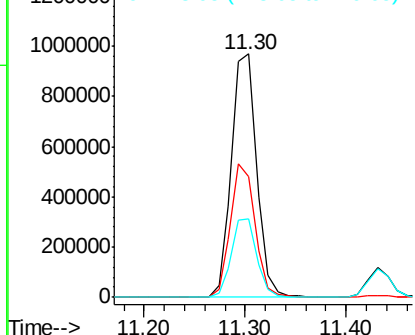
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.02 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tgt Ion:117 Resp: 1686388
Ion Ratio Lower Upper
117 100
82 49.8 45.2 67.8
119 32.3 26.1 39.1

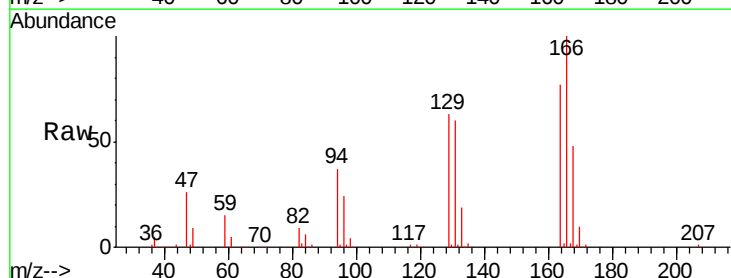


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

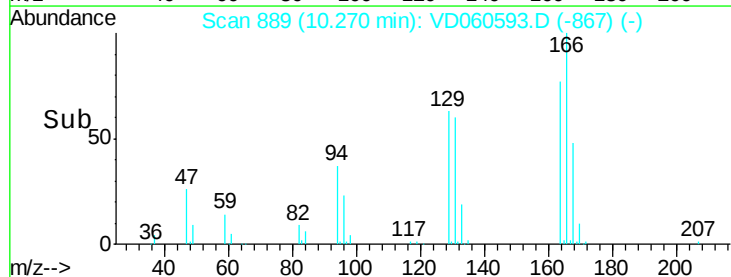
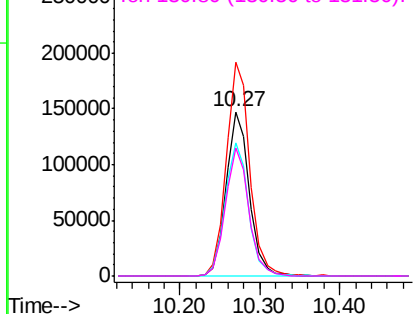


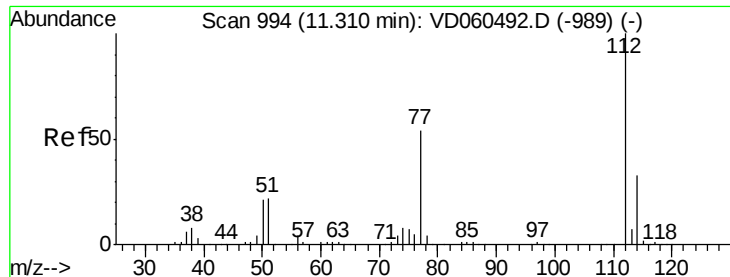
#64
Tetrachloroethene
Concen: 20.224 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion:164 Resp: 301997
Ion Ratio Lower Upper
164 100
166 130.2 105.0 157.6
129 81.4 63.0 94.4
131 78.3 60.6 90.8



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: 21.067 ug/l

RT: 11.33 min Scan# 997

Delta R.T. 0.02 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

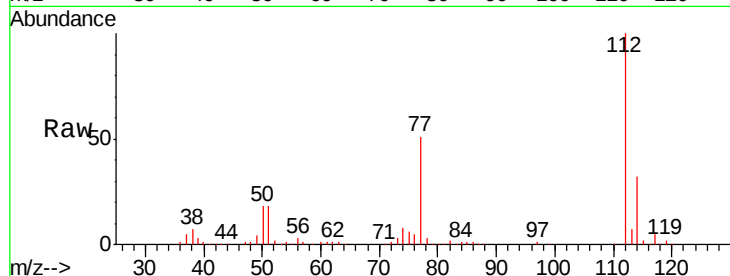
VD1217SBS01

Tgt Ion:112 Resp: 751610

Ion Ratio Lower Upper

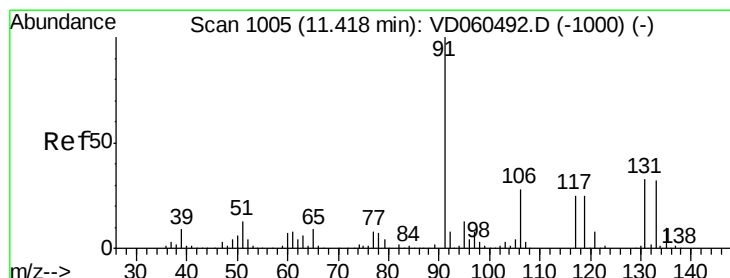
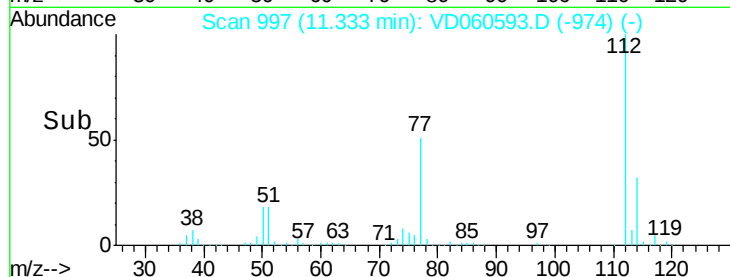
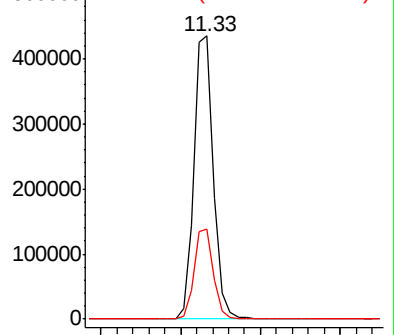
112 100

114 32.1 26.2 39.4



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: 22.169 ug/l

RT: 11.43 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

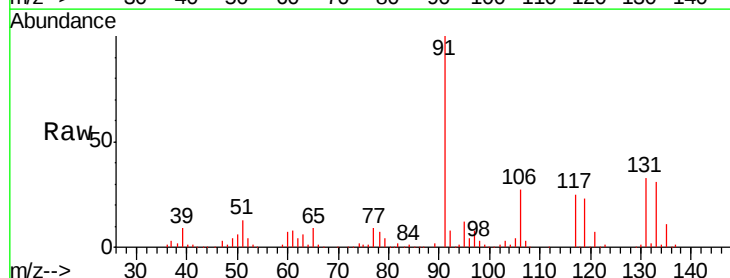
Tgt Ion:131 Resp: 254919

Ion Ratio Lower Upper

131 100

133 94.9 49.1 147.3

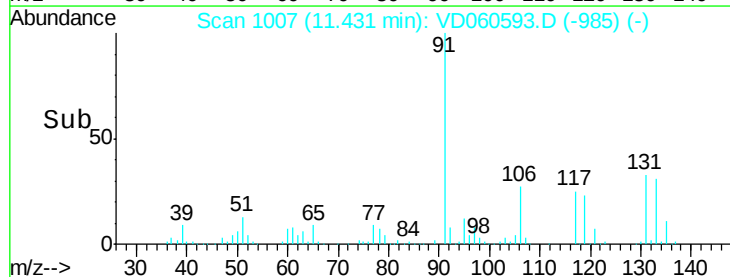
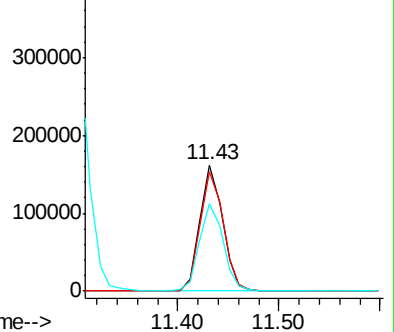
119 69.5 37.5 112.3



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

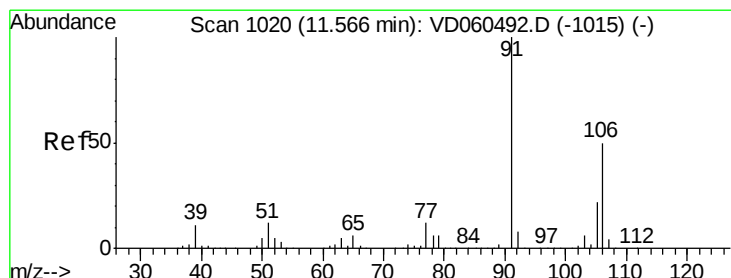
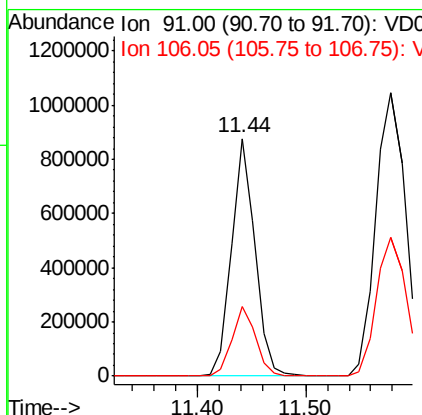
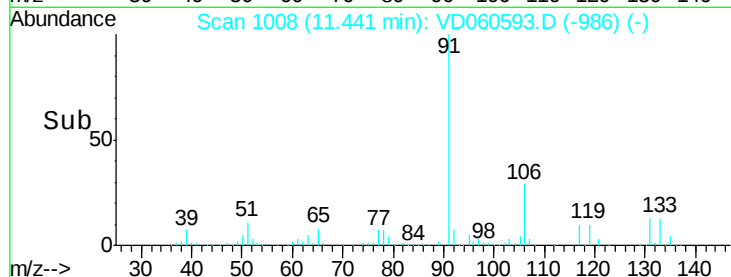
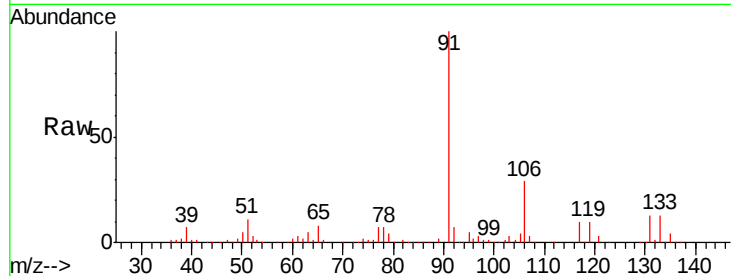




#67
Ethyl Benzene
Concen: 21.808 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

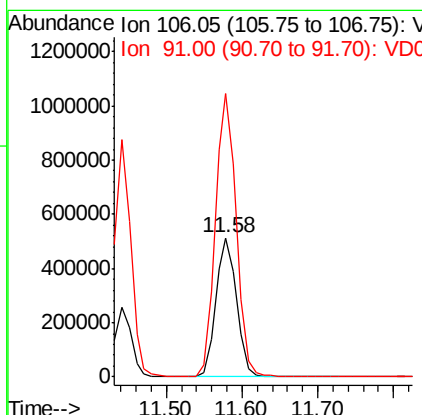
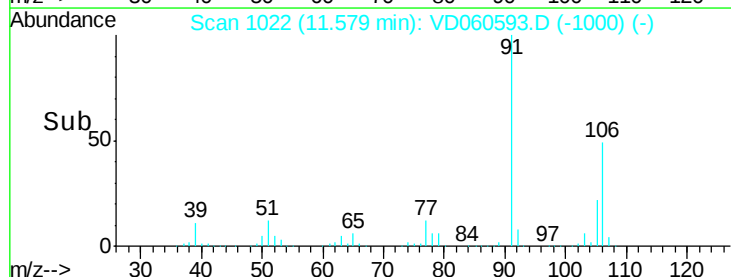
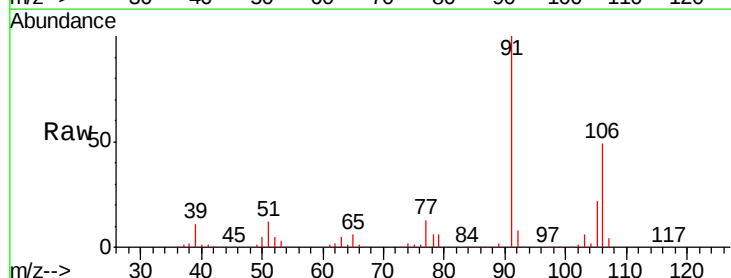
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

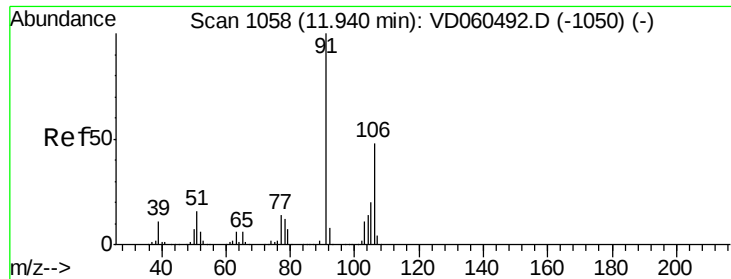
Tgt Ion: 91 Resp: 1327069
Ion Ratio Lower Upper
91 100
106 29.2 24.6 37.0



#68
m/p-Xylenes
Concen: 43.515 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 106 Resp: 979654
Ion Ratio Lower Upper
106 100
91 203.7 160.5 240.7

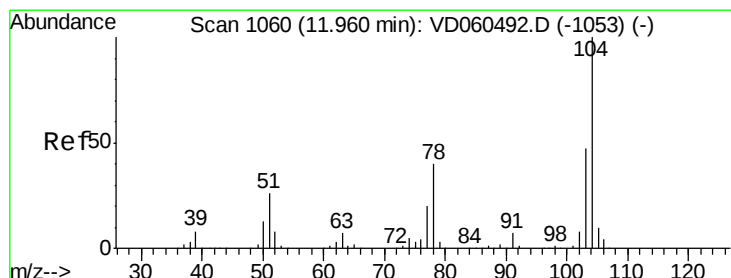
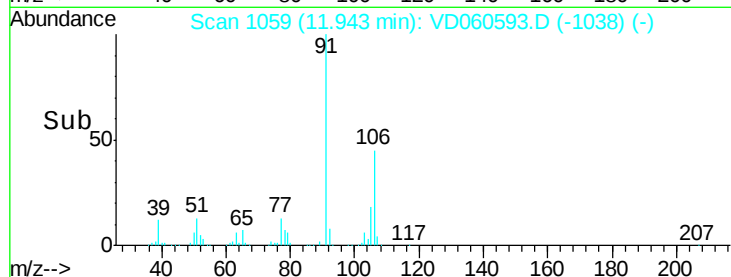
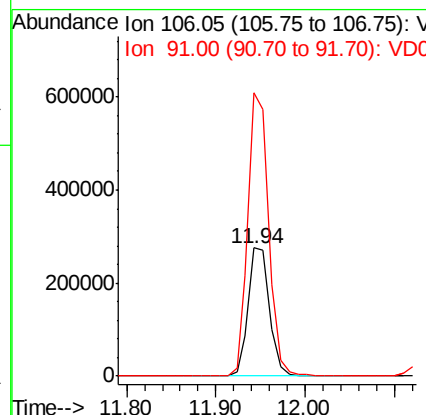
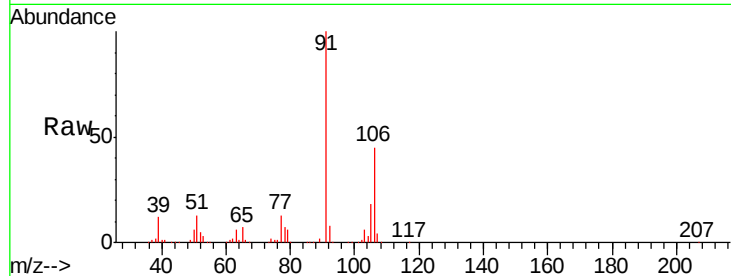




#69
o-Xylene
Concen: 21.256 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

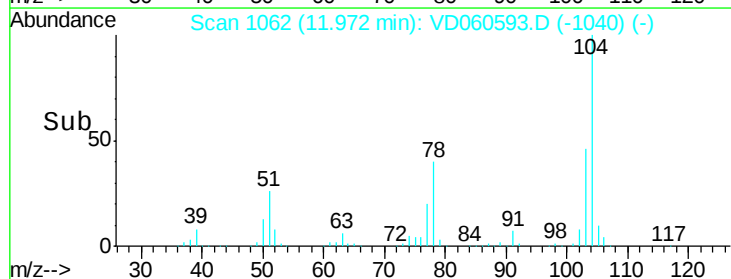
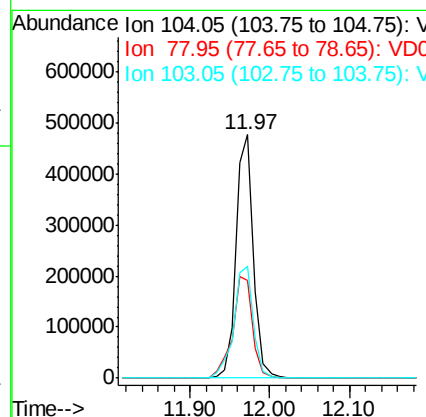
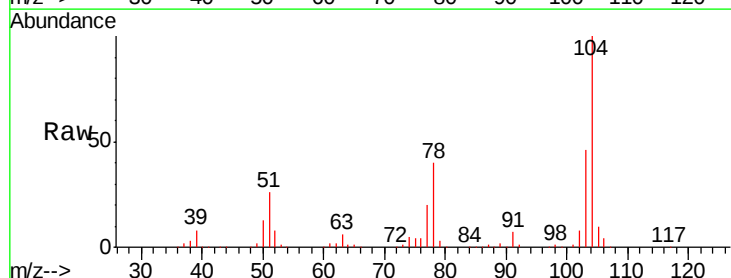
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

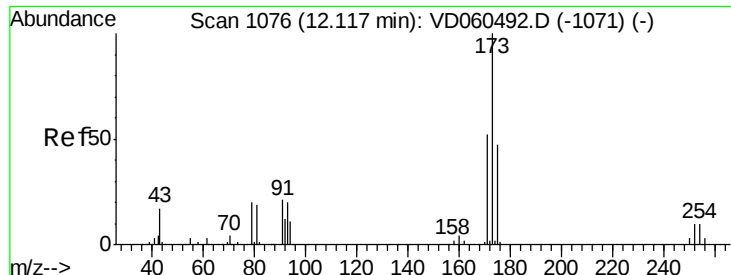
Tgt Ion:106 Resp: 456042
Ion Ratio Lower Upper
106 100
91 221.3 103.4 310.1



#70
Styrene
Concen: 21.212 ug/l
RT: 11.97 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion:104 Resp: 730494
Ion Ratio Lower Upper
104 100
78 40.0 32.1 48.1
103 45.8 37.2 55.8





#71

Bromoform

Concen: 20.881 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

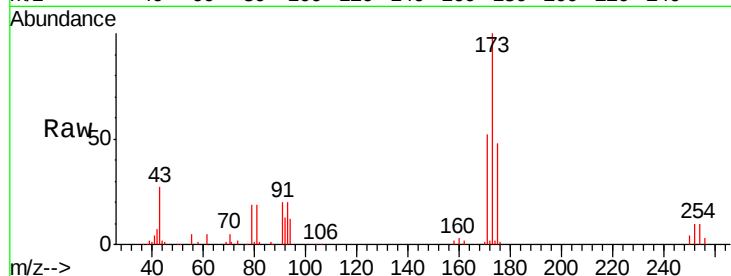
Tgt Ion:173 Resp: 160193

Ion Ratio Lower Upper

173 100

175 48.5 23.5 70.6

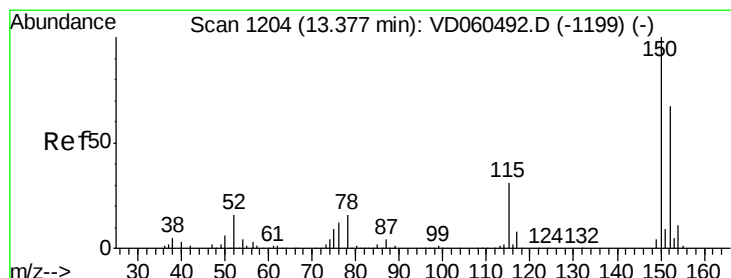
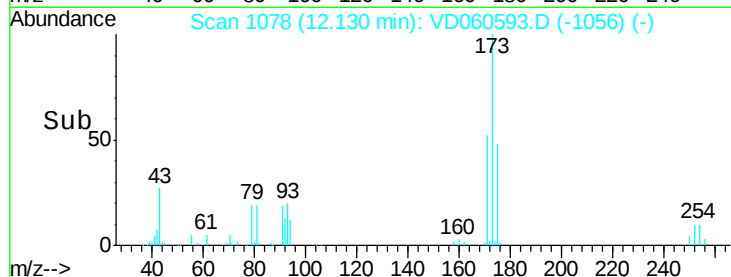
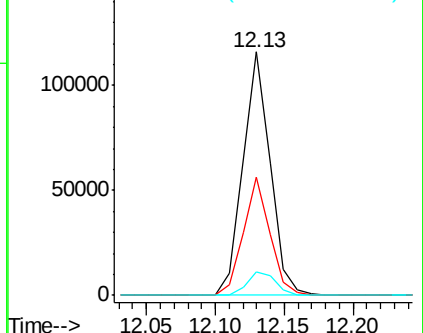
254 9.7 7.8 11.8



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

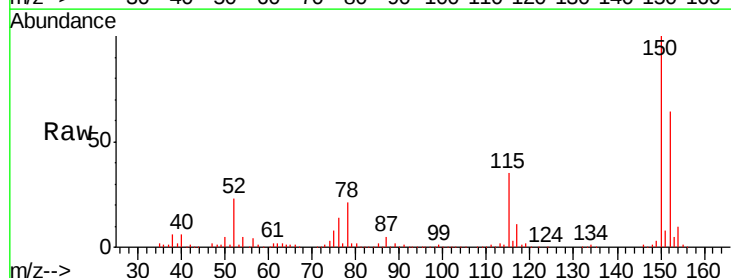
Tgt Ion:152 Resp: 873894

Ion Ratio Lower Upper

152 100

115 55.1 24.6 74.0

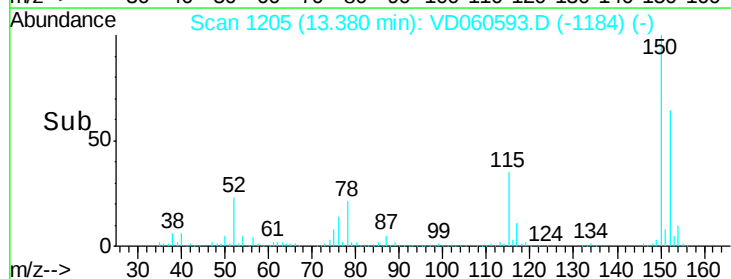
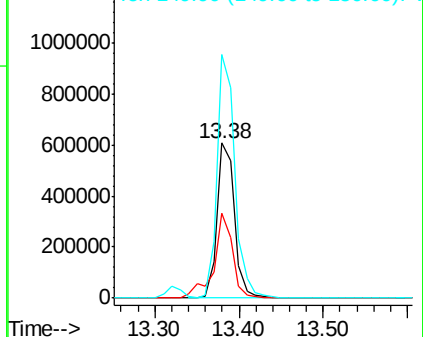
150 157.2 0.0 309.0

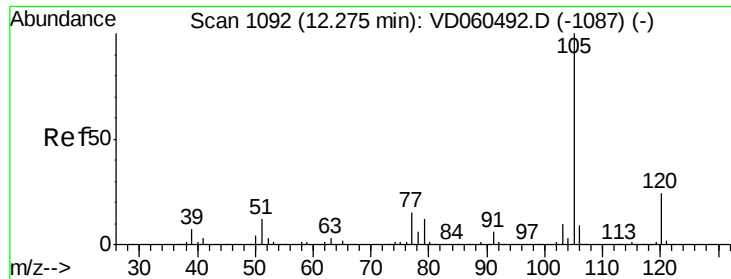


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.190 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

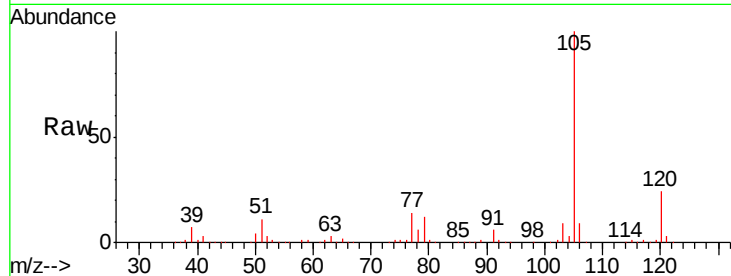
VD1217SBS01

Tgt Ion:105 Resp: 1248532

Ion Ratio Lower Upper

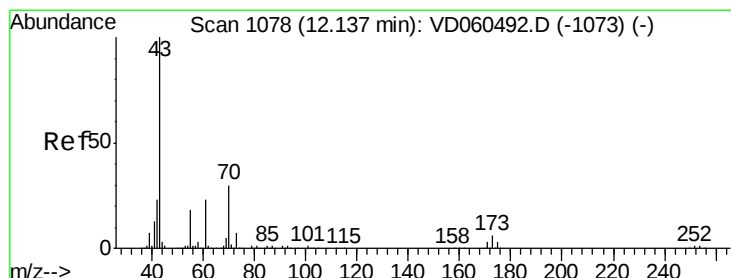
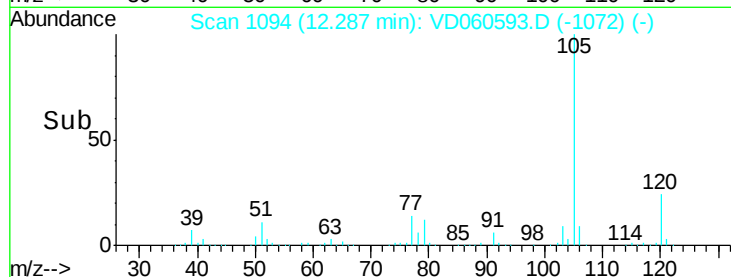
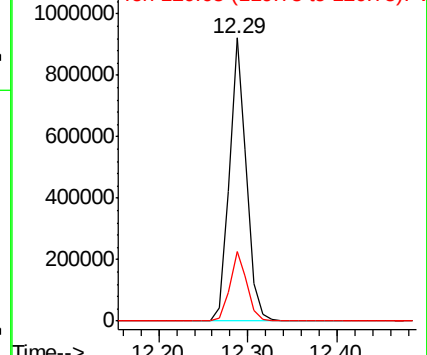
105 100

120 24.4 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.013 ug/l

RT: 12.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Tgt Ion: 43 Resp: 299108

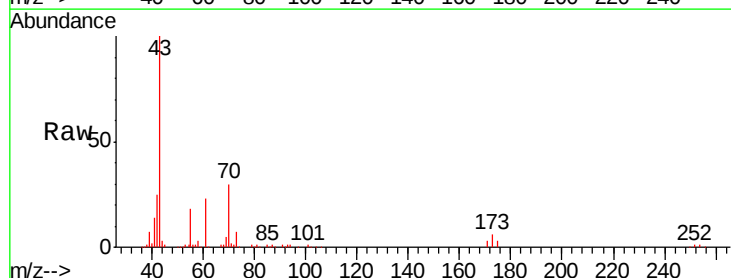
Ion Ratio Lower Upper

43 100

70 30.0 23.8 35.8

55 17.7 14.2 21.2

61 23.1 18.1 27.1

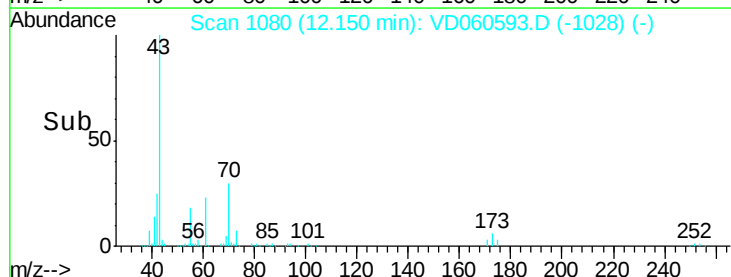
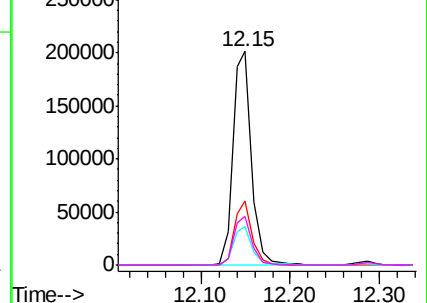


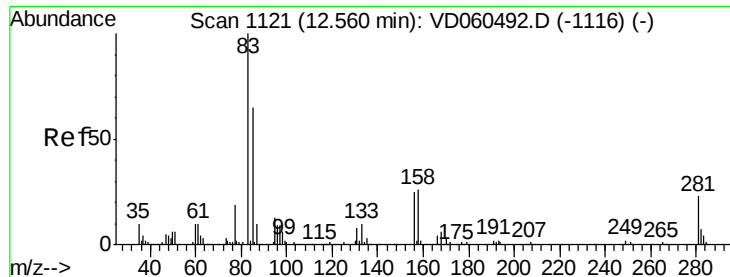
Abundance Ion 42.95 (42.65 to 43.65): V

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: 20.613 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

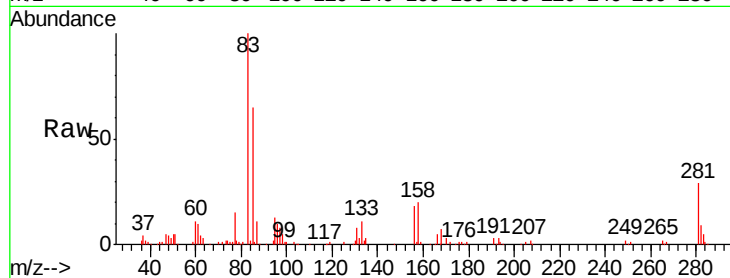
Tgt Ion: 83 Resp: 204074

Ion Ratio Lower Upper

83 100

131 7.9 3.8 11.4

85 65.0 32.3 96.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

12.57

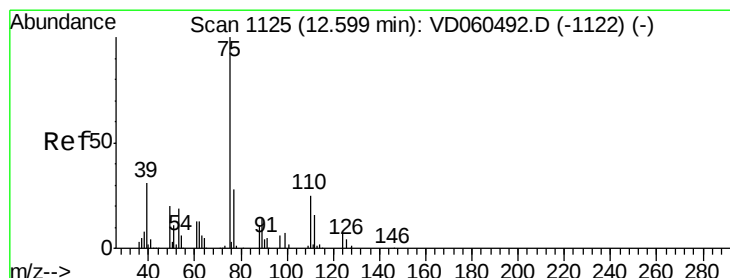
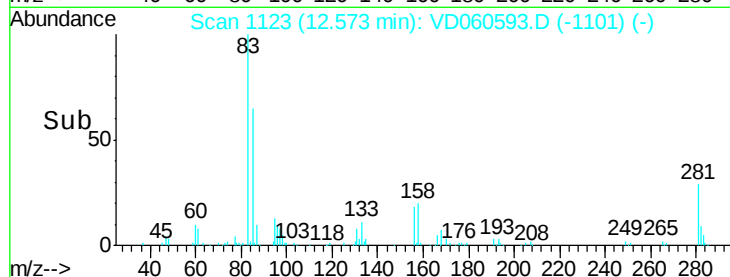
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.293 ug/l

RT: 12.61 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD060593.D

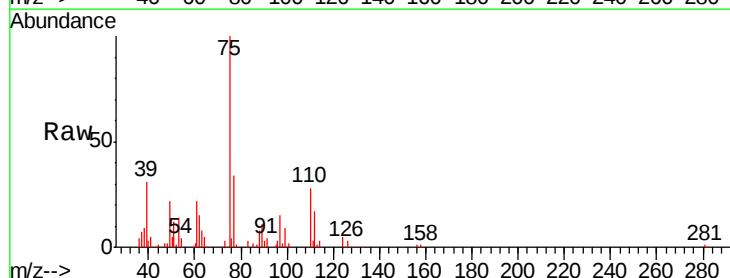
Acq: 17 Dec 2018 12:16

Tgt Ion: 75 Resp: 200935

Ion Ratio Lower Upper

75 100

77 33.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

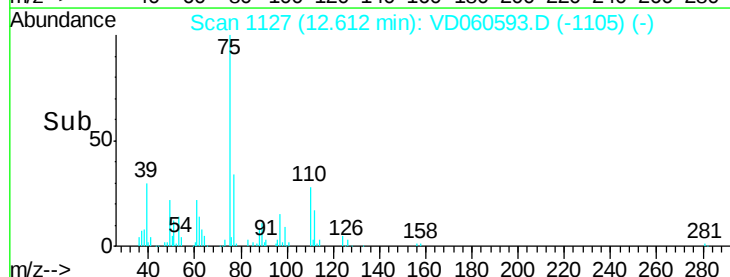
300000

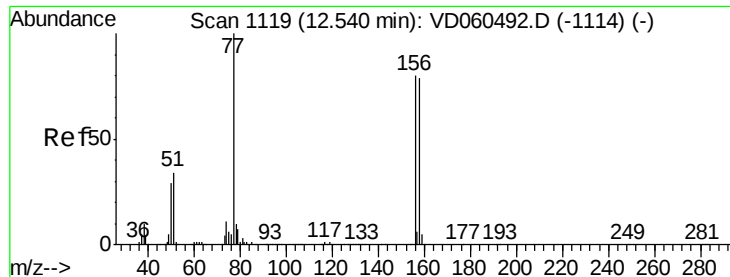
200000

100000

0

Time-->

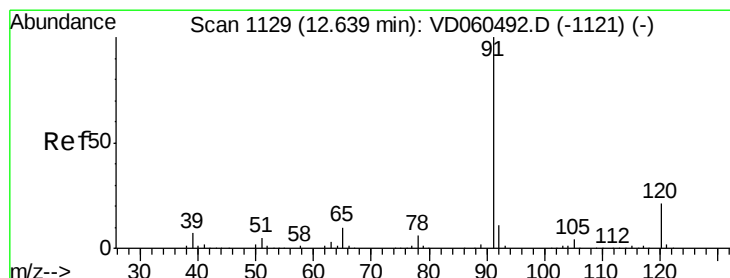
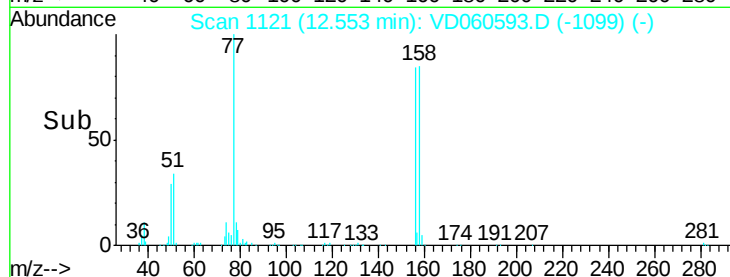
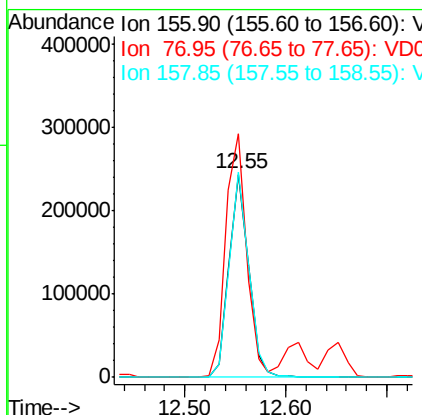
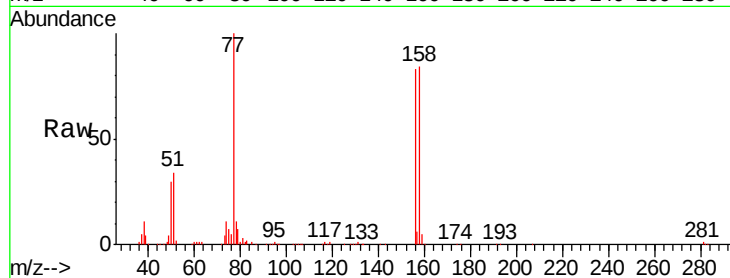




#77
Bromobenzene
Concen: 20.412 ug/l
RT: 12.55 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

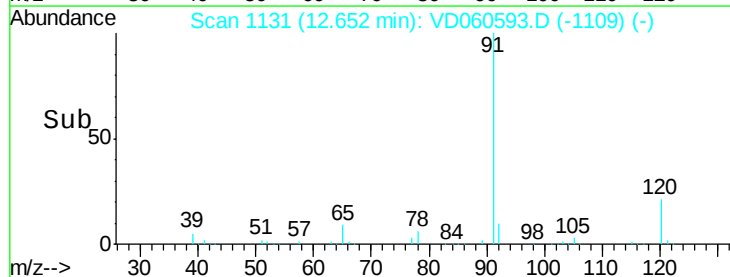
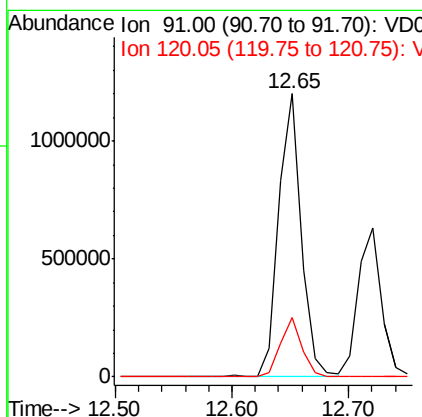
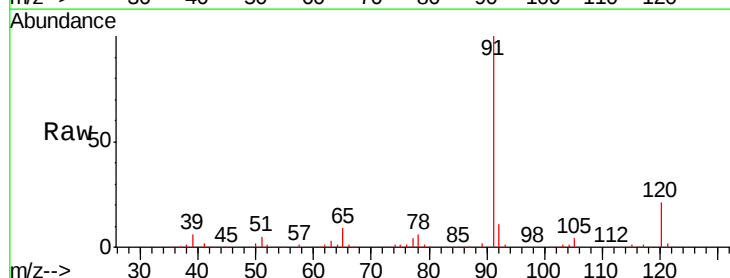
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

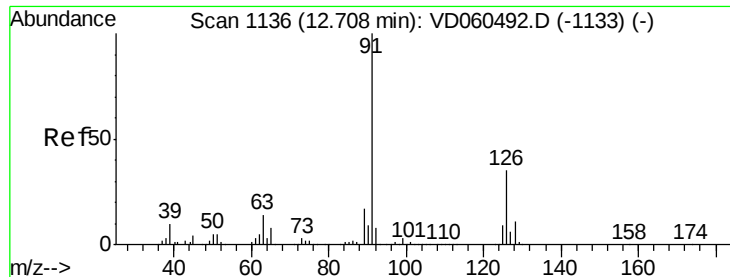
Tgt Ion: 156 Resp: 331799
Ion Ratio Lower Upper
156 100
77 119.8 62.5 187.6
158 100.9 49.4 148.2



#78
n-propylbenzene
Concen: 20.636 ug/l
RT: 12.65 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 91 Resp: 1613137
Ion Ratio Lower Upper
91 100
120 21.1 10.4 31.1





#79

2-Chlorotoluene

Concen: 20.540 ug/l

RT: 12.72 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

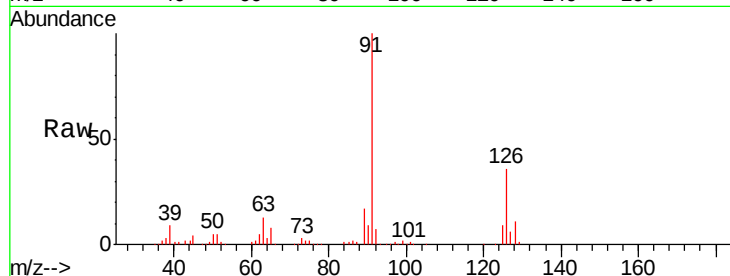
VD1217SBS01

Tgt Ion: 91 Resp: 871257

Ion Ratio Lower Upper

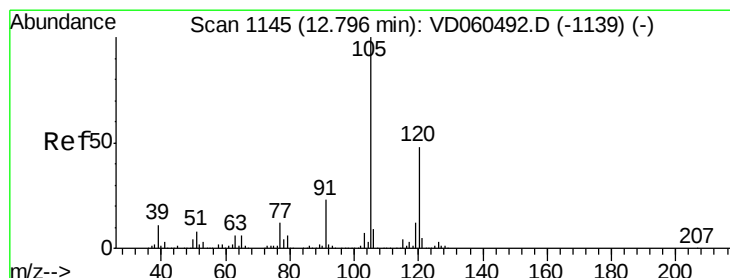
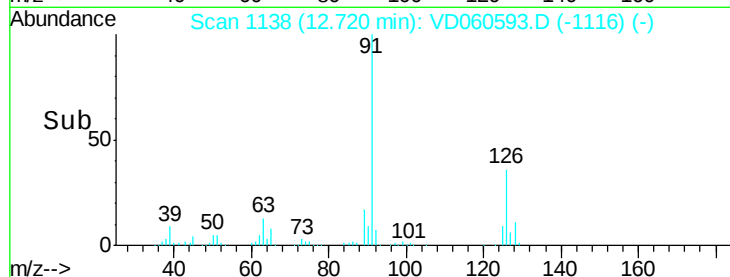
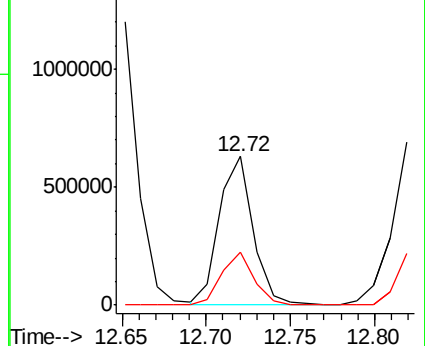
91 100

126 36.1 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.308 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060593.D

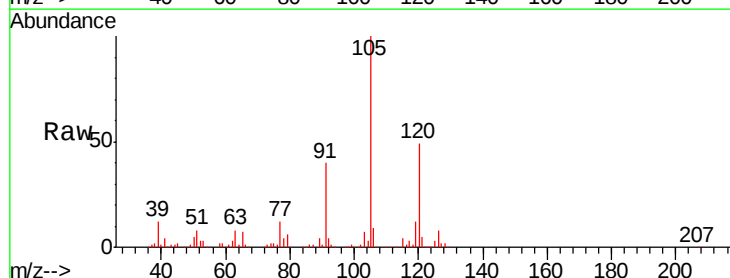
Acq: 17 Dec 2018 12:16

Tgt Ion: 105 Resp: 1006858

Ion Ratio Lower Upper

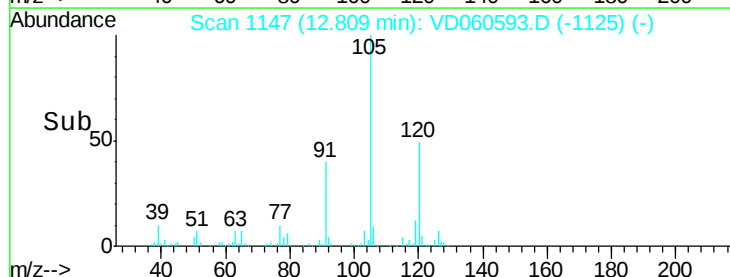
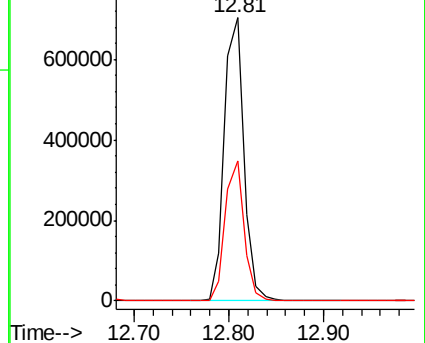
105 100

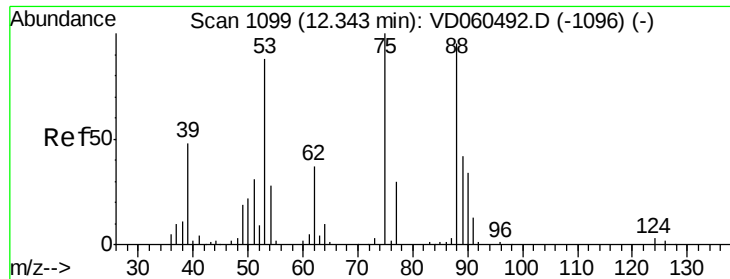
120 49.4 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

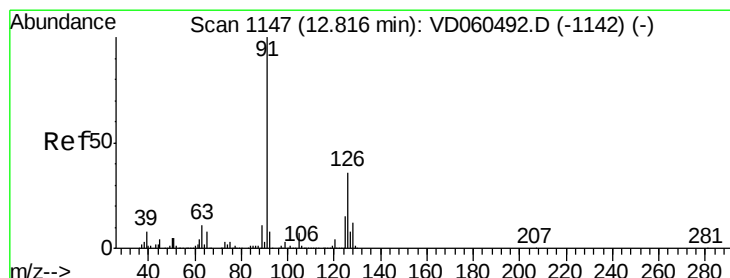
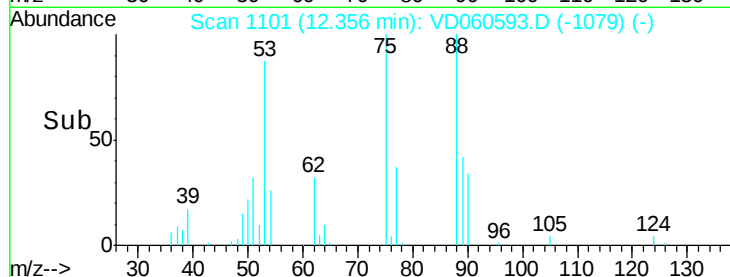
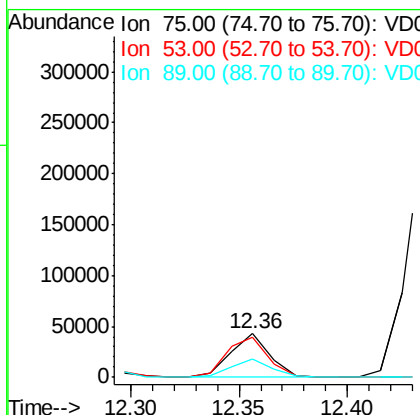
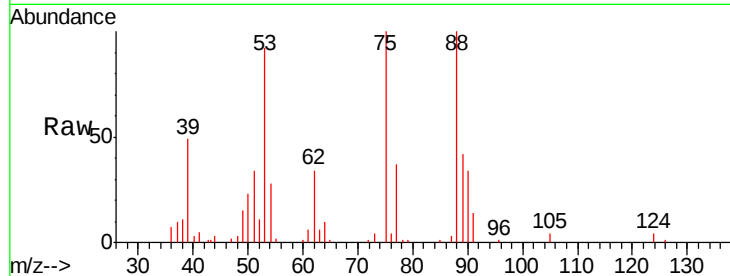




#81
trans-1,4-Dichloro-2-butene
Concen: 19.749 ug/l
RT: 12.36 min Scan# 1101
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

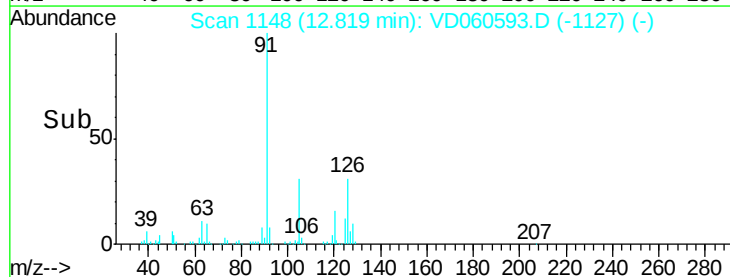
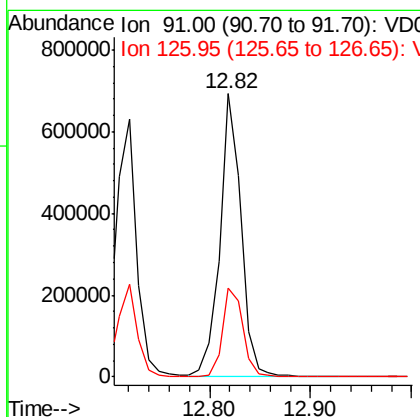
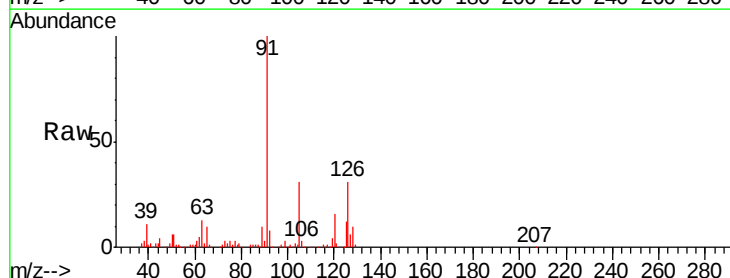
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tgt Ion: 75 Resp: 54540
Ion Ratio Lower Upper
75 100
53 91.7 70.5 105.7
89 41.9 33.6 50.4



#82
4-Chlorotoluene
Concen: 21.211 ug/l
RT: 12.82 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 91 Resp: 1010563
Ion Ratio Lower Upper
91 100
126 31.3 17.8 53.4

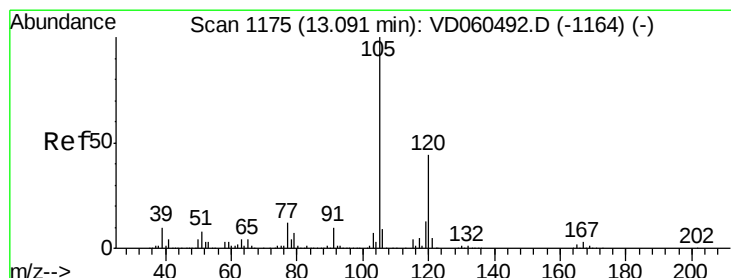
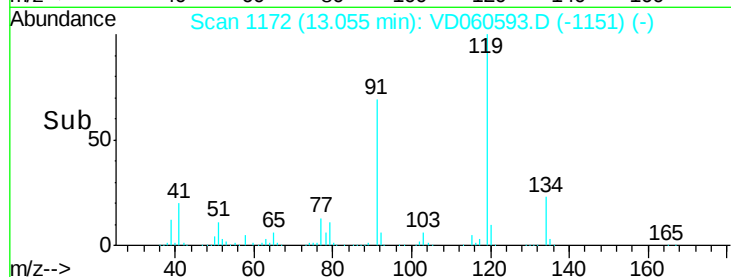
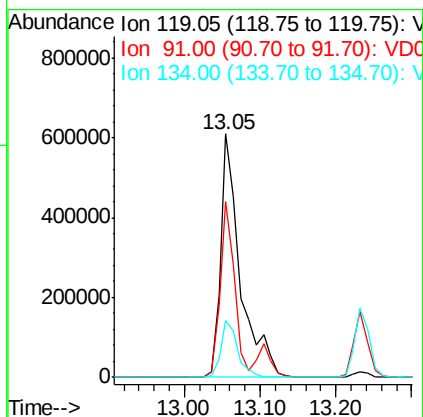
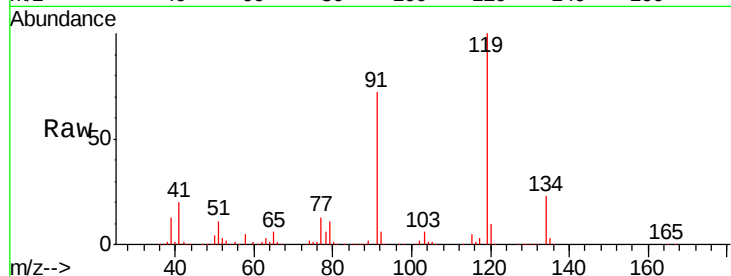




#83
 tert-Butylbenzene
 Concen: 21.143 ug/l
 RT: 13.05 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

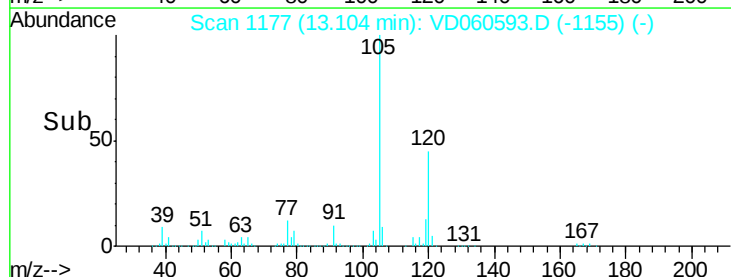
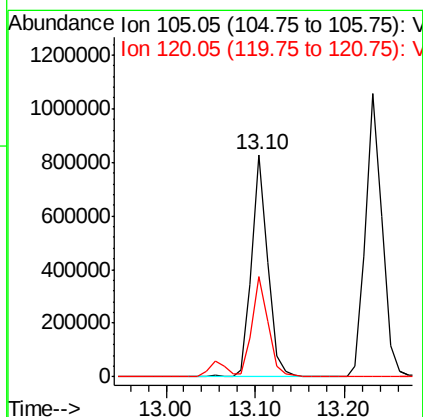
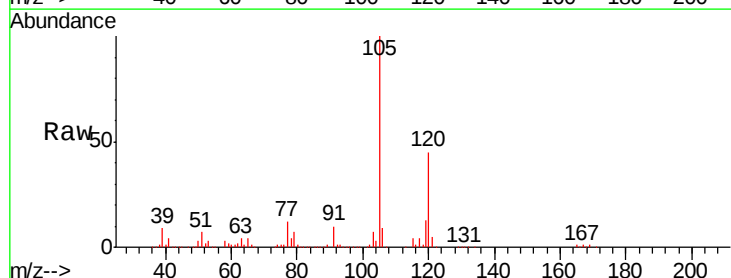
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

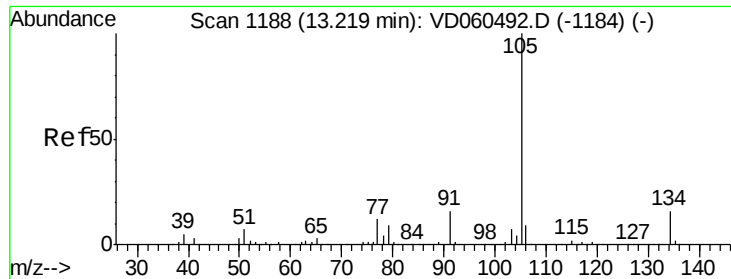
Tgt Ion:119 Resp: 1120192
 Ion Ratio Lower Upper
 119 100
 91 72.1 33.1 99.2
 134 23.4 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.176 ug/l
 RT: 13.10 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion:105 Resp: 1036102
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.3 66.8

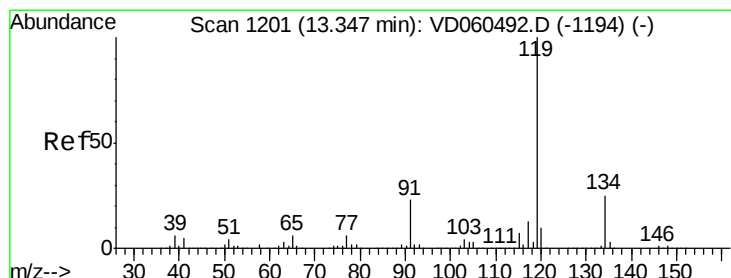
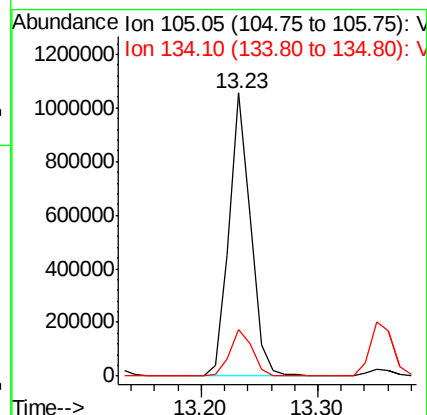
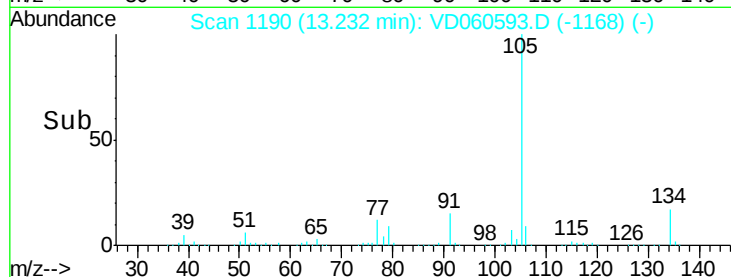
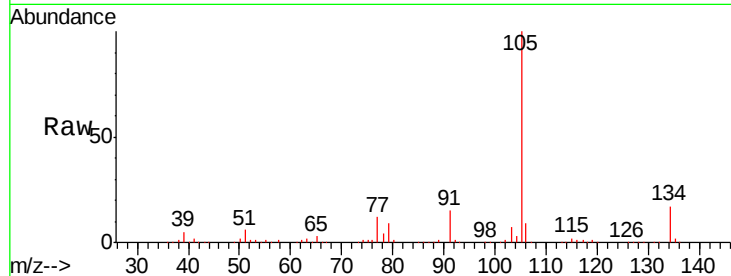




#85
 sec-Butylbenzene
 Concen: 20.514 ug/l
 RT: 13.23 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

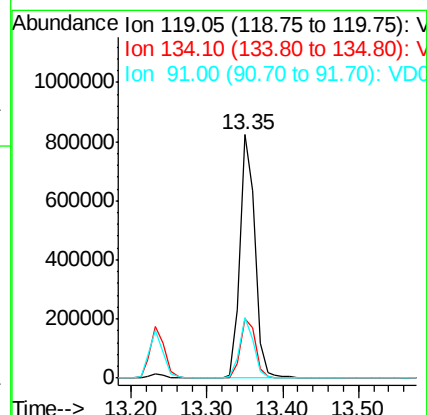
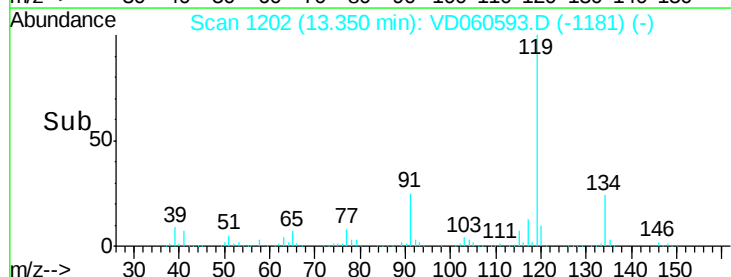
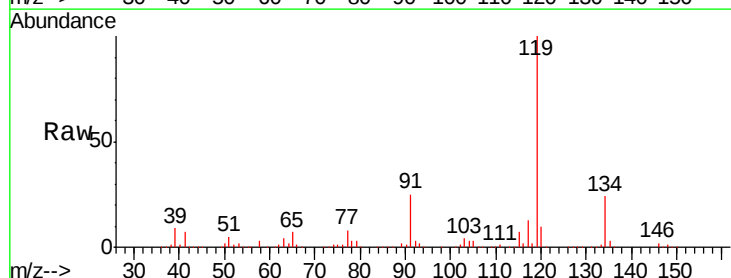
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

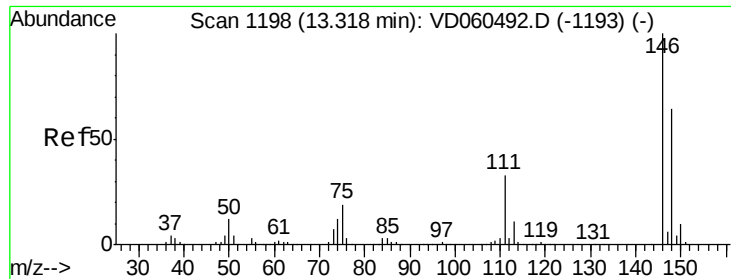
Tgt Ion:105 Resp: 1354633
 Ion Ratio Lower Upper
 105 100
 134 16.6 7.9 23.7



#86
 p-Isopropyltoluene
 Concen: 20.990 ug/l
 RT: 13.35 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion:119 Resp: 1098780
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.5 37.5
 91 25.0 11.5 34.4

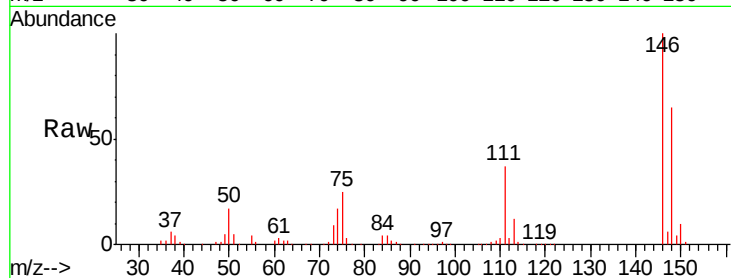




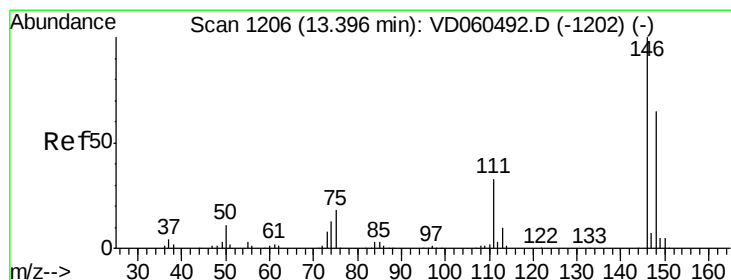
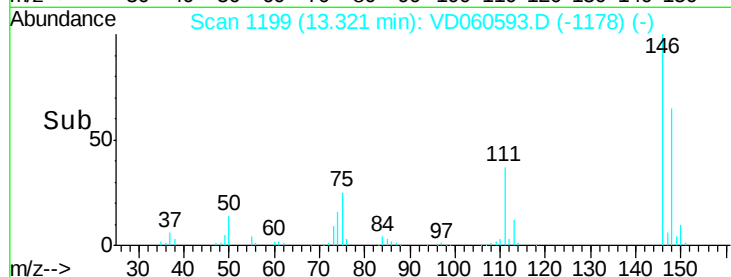
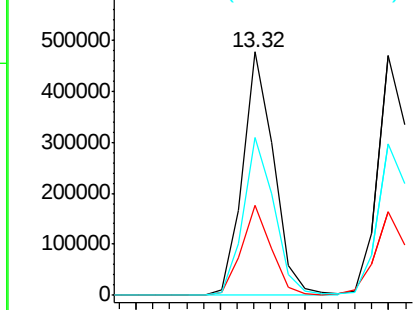
#87
 1,3-Dichlorobenzene
 Concen: 20.677 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tgt Ion:146 Resp: 608561
 Ion Ratio Lower Upper
 146 100
 111 36.9 16.5 49.5
 148 64.7 32.3 96.8

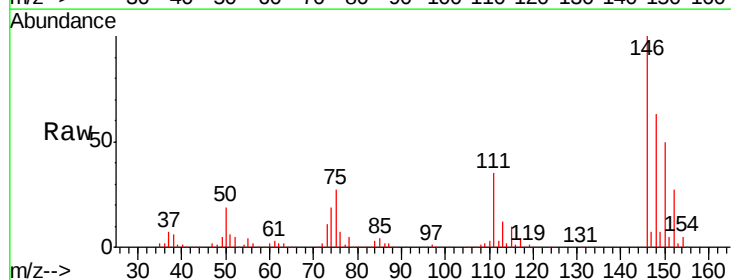


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

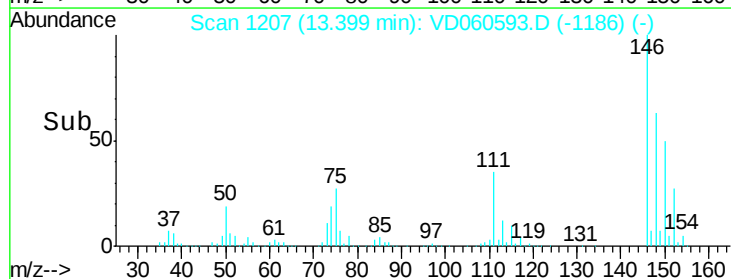
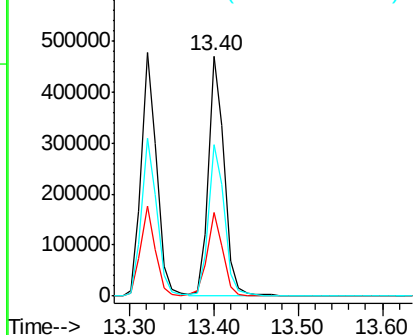


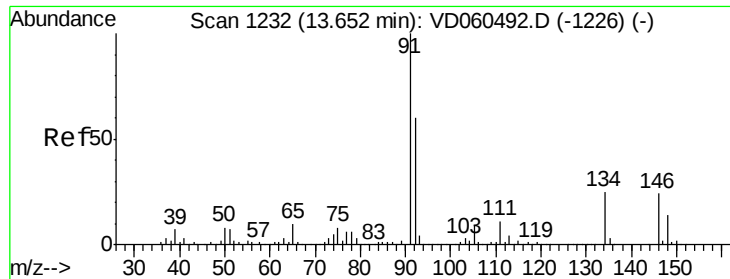
#88
 1,4-Dichlorobenzene
 Concen: 21.125 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion:146 Resp: 609917
 Ion Ratio Lower Upper
 146 100
 111 34.5 16.4 49.1
 148 63.2 32.6 98.0



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

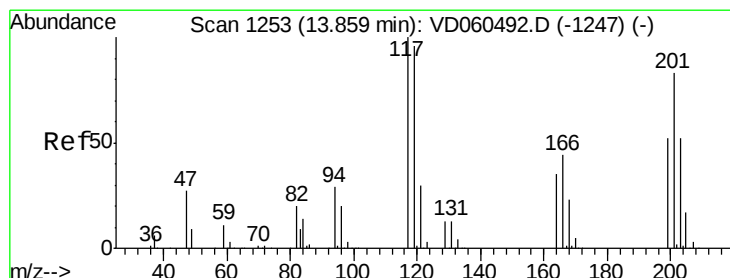
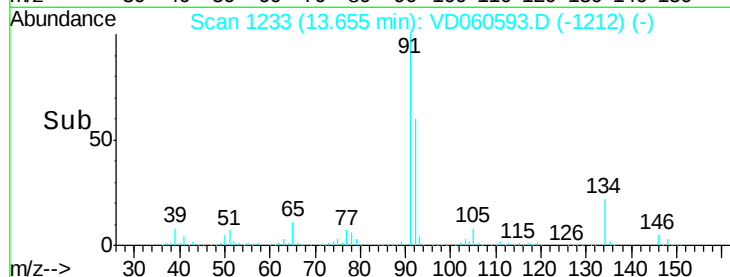
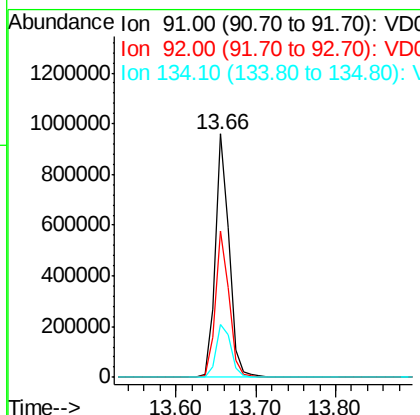
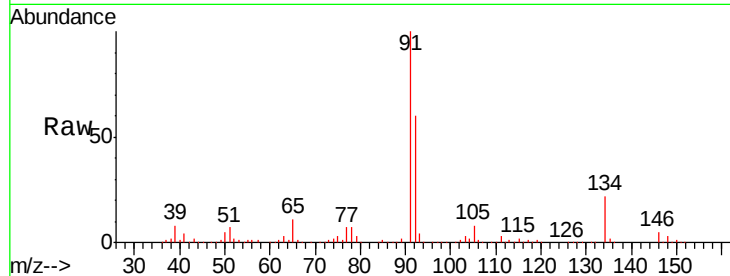




#89
n-Butylbenzene
Concen: 20.196 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

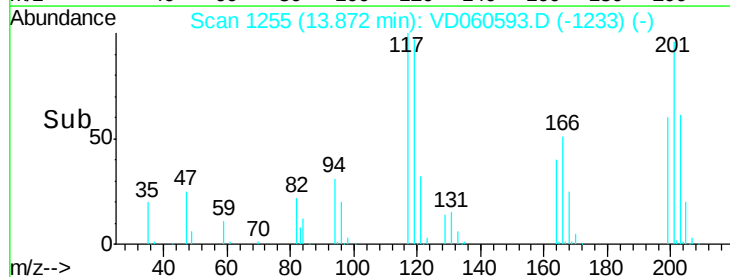
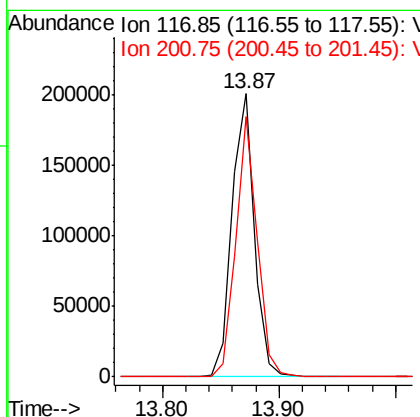
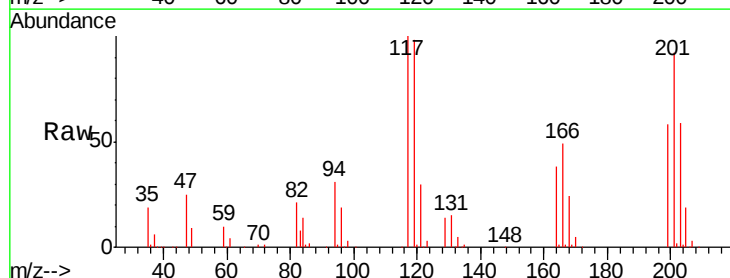
Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

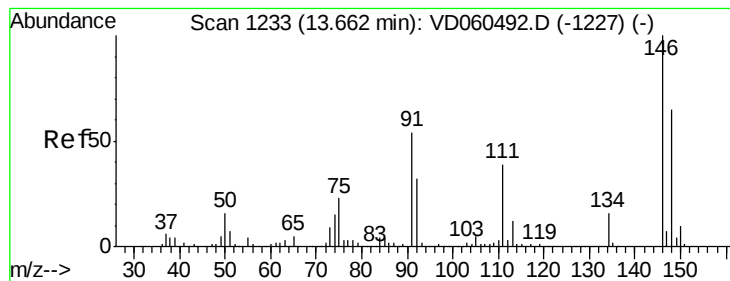
Tgt Ion: 91 Resp: 1176495
Ion Ratio Lower Upper
91 100
92 60.0 30.0 90.1
134 21.9 12.5 37.5



#90
Hexachloroethane
Concen: 20.400 ug/l
RT: 13.87 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion: 117 Resp: 267744
Ion Ratio Lower Upper
117 100
201 91.9 41.3 123.9





#91

1,2-Dichlorobenzene

Concen: 22.166 ug/l

RT: 13.67 min Scan# 1235

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

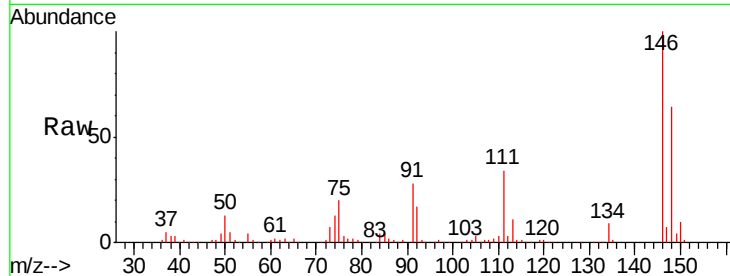
Tgt Ion:146 Resp: 533142

Ion Ratio Lower Upper

146 100

111 34.3 19.3 57.8

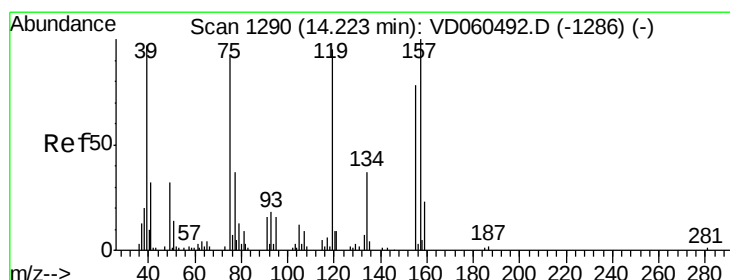
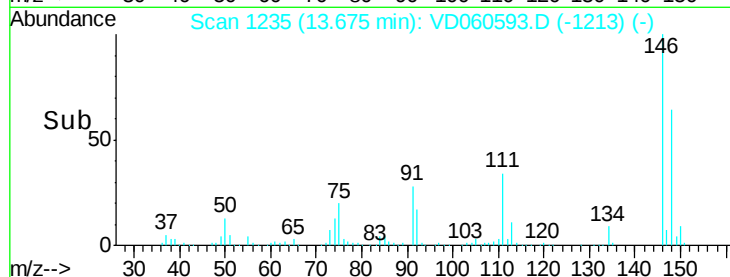
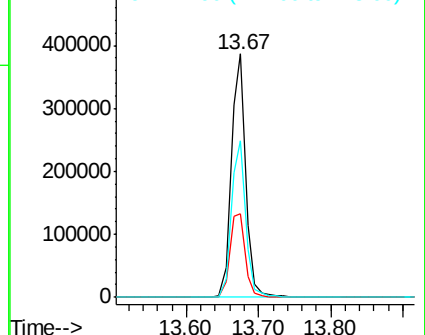
148 64.3 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.717 ug/l

RT: 14.24 min Scan# 1292

Delta R.T. 0.01 min

Lab File: VD060593.D

Acq: 17 Dec 2018 12:16

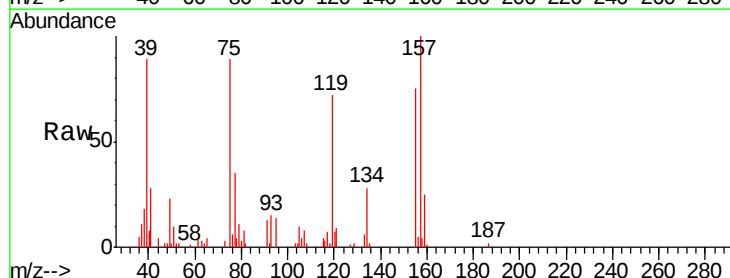
Tgt Ion: 75 Resp: 24852

Ion Ratio Lower Upper

75 100

155 83.9 41.6 124.9

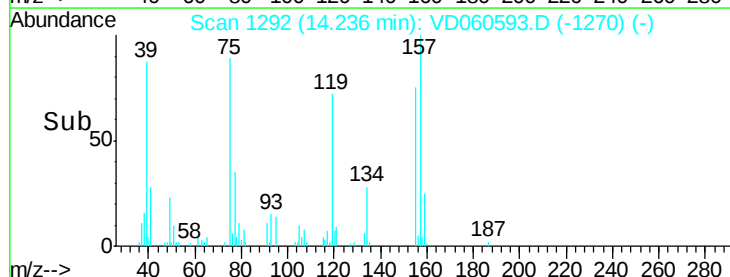
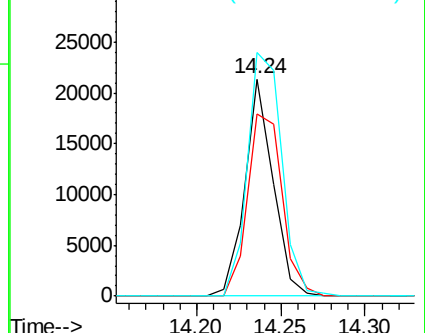
157 112.2 53.6 160.8

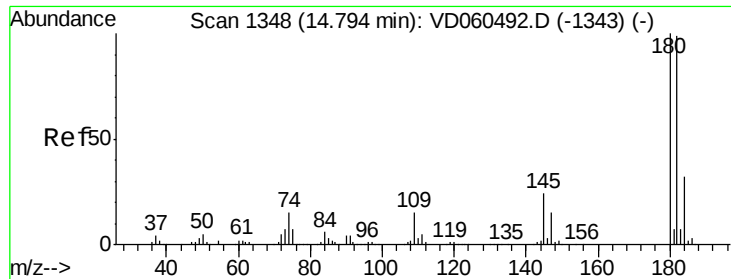


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

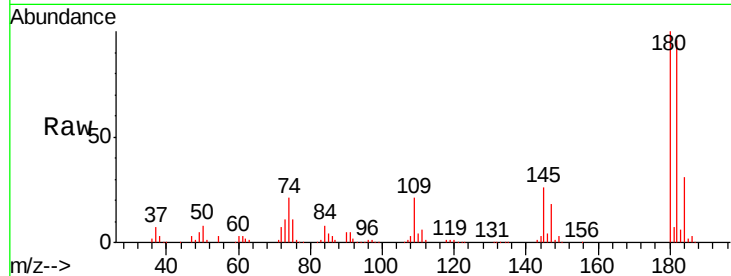




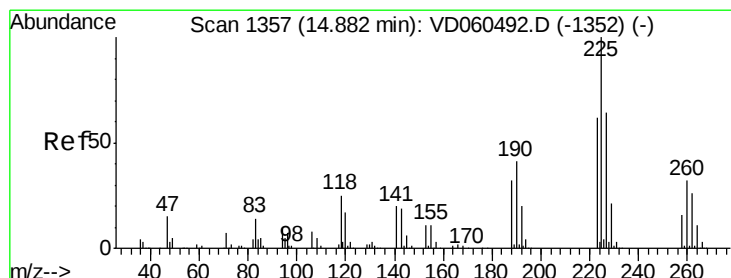
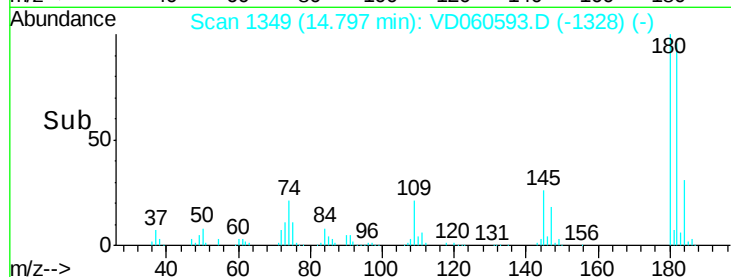
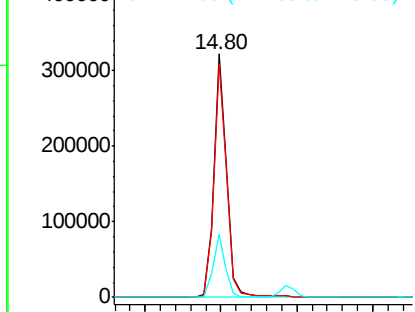
#93
 1,2,4-Trichlorobenzene
 Concen: 20.747 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. 0.00 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tgt Ion:180 Resp: 390091
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.4 148.0
 145 25.9 11.9 35.9

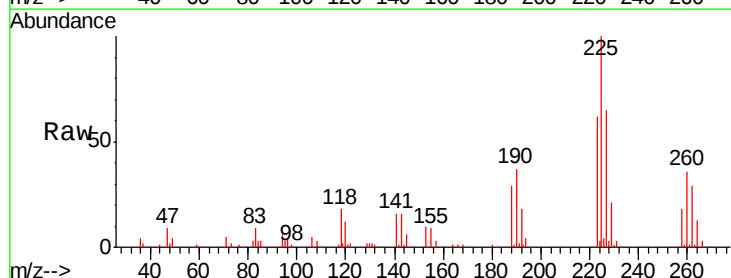


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

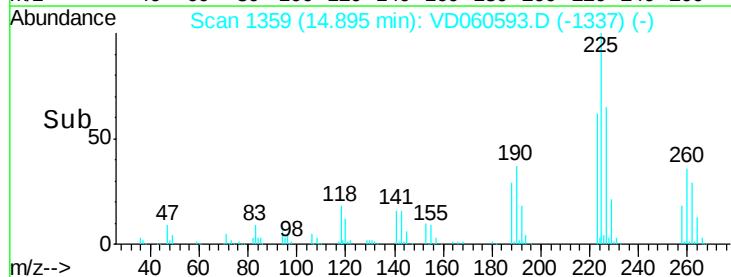
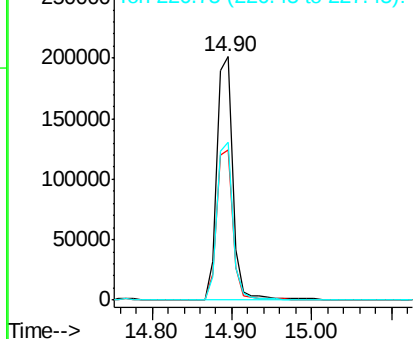


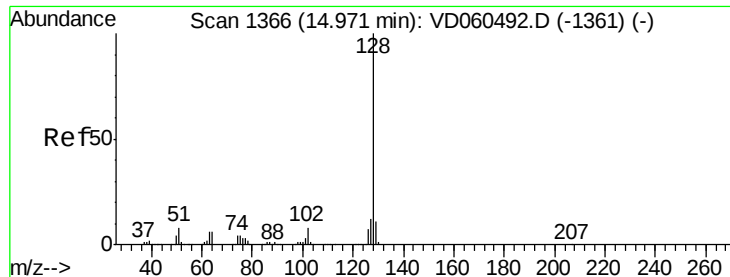
#94
 Hexachlorobutadiene
 Concen: 20.871 ug/l
 RT: 14.90 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD060593.D
 Acq: 17 Dec 2018 12:16

Tgt Ion:225 Resp: 289529
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.2 93.6
 227 65.1 32.0 96.0



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

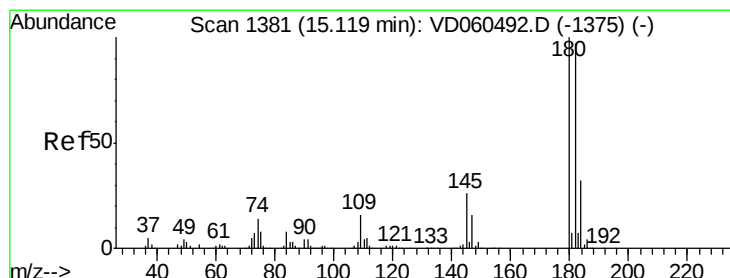
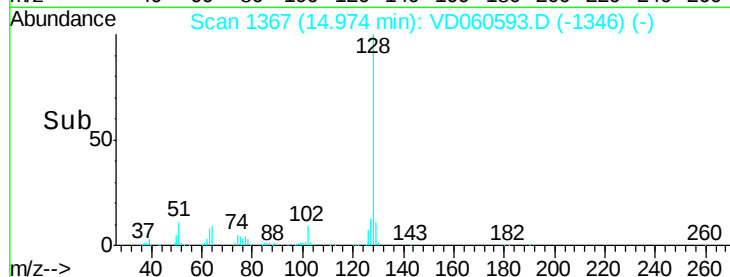
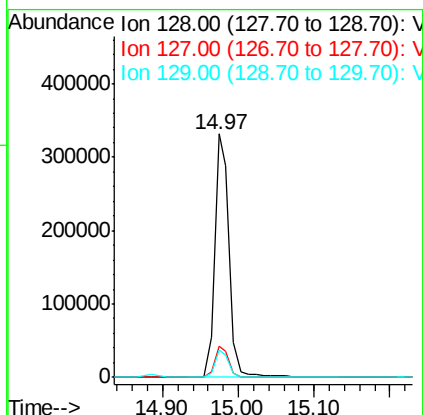
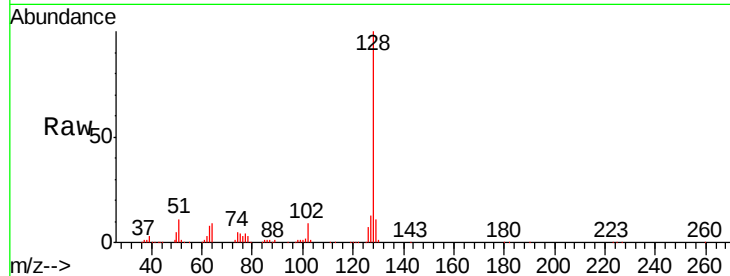




#95
Naphthalene
Concen: 19.900 ug/l
RT: 14.97 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tgt Ion:128 Resp: 445117
Ion Ratio Lower Upper
128 100
127 13.0 9.8 14.8
129 11.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.621 ug/l
RT: 15.12 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VD060593.D
Acq: 17 Dec 2018 12:16

Tgt Ion:180 Resp: 308936
Ion Ratio Lower Upper
180 100
182 92.1 48.5 145.5
145 29.2 12.9 38.7

