

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060577.D
 Acq On : 14 Dec 2018 17:01
 Operator : VA/AP
 Sample : J6403-25
 Misc : 3.52g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 22:24:09 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

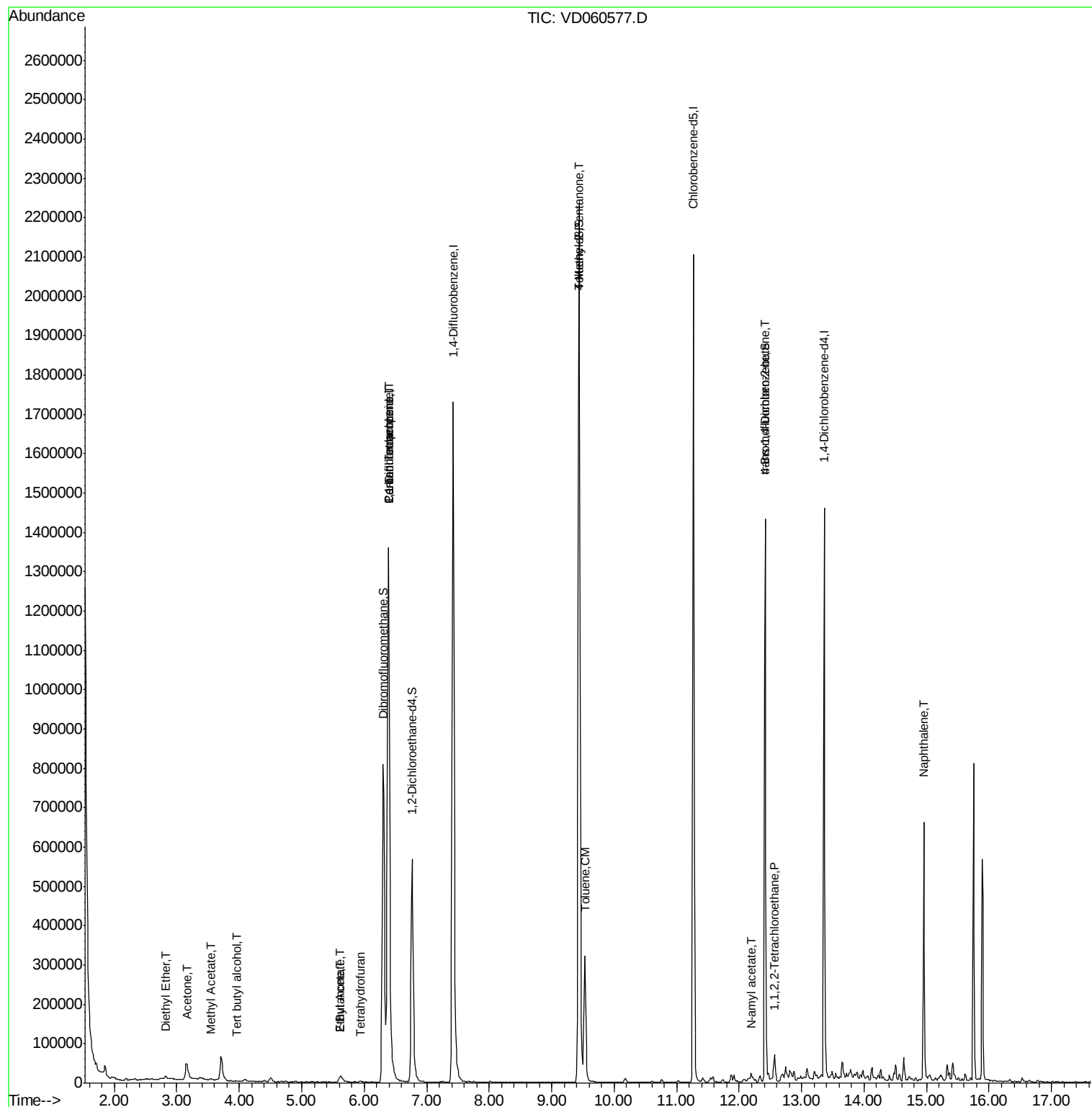
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1425760	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1882855	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	1142857	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	324109	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	461407	45.66	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	91.32%	
35) Dibromofluoromethane	6.31	113	662298	47.89	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	95.78%	
50) Toluene-d8	9.43	98	1816432	45.39	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	90.78%	
62) 4-Bromofluorobenzene	12.42	95	405582	28.32	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	56.64%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.83	74	2688	1.153	ug/l	75
11) Tert butyl alcohol	3.96	59	1443	3.515	ug/l #	73
16) Acetone	3.16	43	101227	62.491	ug/l	99
18) Methyl Acetate	3.55	43	8283	2.152	ug/l #	93
20) Methylene Chloride	3.71	84	39804	Below Cal		96
25) 2-Butanone	5.61	43	21902	6.872	ug/l	93
29) Tetrahydrofuran	5.95	42	2534	1.404	ug/l #	40
31) Cyclohexane	6.38	56	27024	Below Cal	#	1
36) 1,1-Dichloropropene	6.38	75	97299	5.287	ug/l #	47
37) Ethyl Acetate	5.61	43	21902	2.744	ug/l #	68
38) Carbon Tetrachloride	6.38	117	106422	6.441	ug/l #	16
51) 4-Methyl-2-Pentanone	9.43	43	10079	1.644	ug/l #	1
52) Toluene	9.52	92	171006	5.817	ug/l	97
74) N-amyl acetate	12.19	43	10499	1.894	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.57	83	3965	1.080	ug/l #	24
81) trans-1,4-Dichloro-2-buten	12.42	75	165338	161.426	ug/l #	14
89) n-Butylbenzene	13.64	91	1645	Below Cal	#	81
95) Naphthalene	14.96	128	386950	46.644	ug/l	99

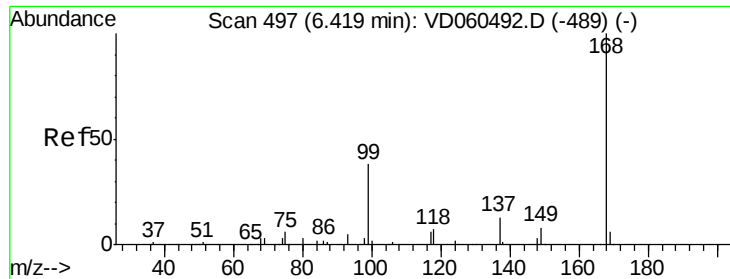
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121418\
Data File : VD060577.D
Acq On : 14 Dec 2018 17:01
Operator : VA/AP
Sample : J6403-25
Misc : 3.52g/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 14 22:24:09 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060577.D

Acq: 14 Dec 2018 17:01

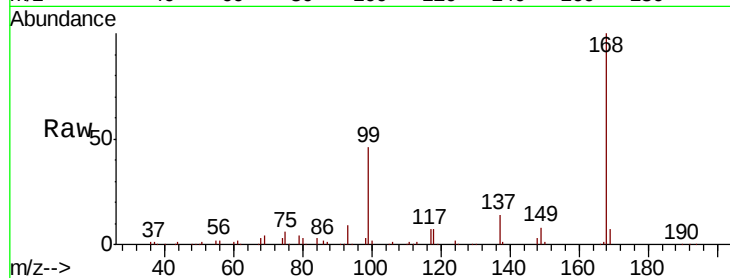
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 1425760

Ion Ratio Lower Upper

168 100

99 45.7 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

500000

400000

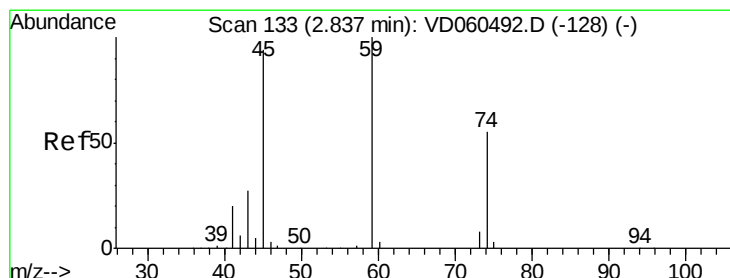
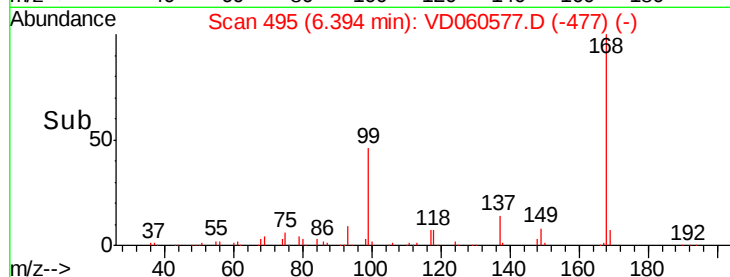
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#8

Diethyl Ether

Concen: 1.153 ug/l

RT: 2.83 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD060577.D

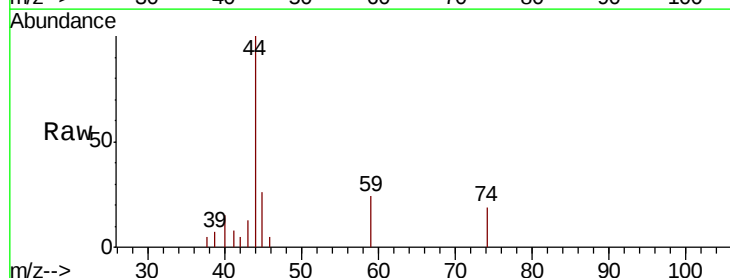
Acq: 14 Dec 2018 17:01

Tgt Ion: 74 Resp: 2688

Ion Ratio Lower Upper

74 100

45 137.3 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.83

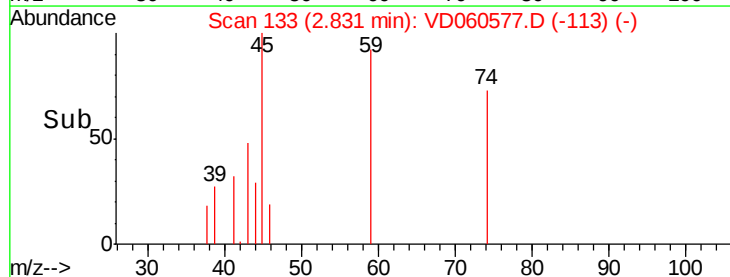
3000

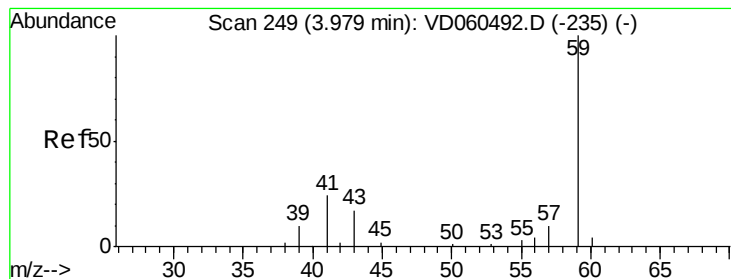
2000

1000

0

Time--> 2.75 2.80 2.85 2.90



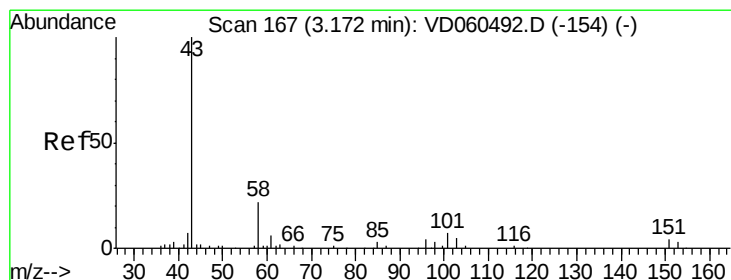
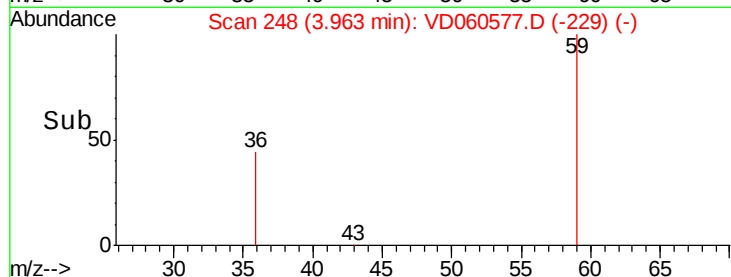
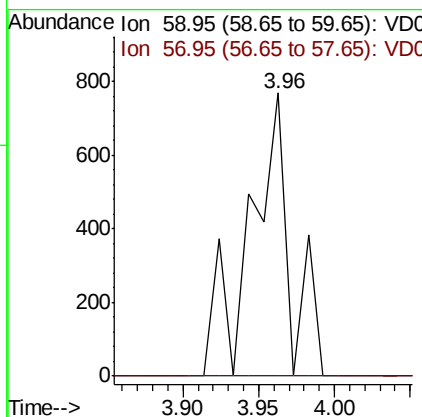
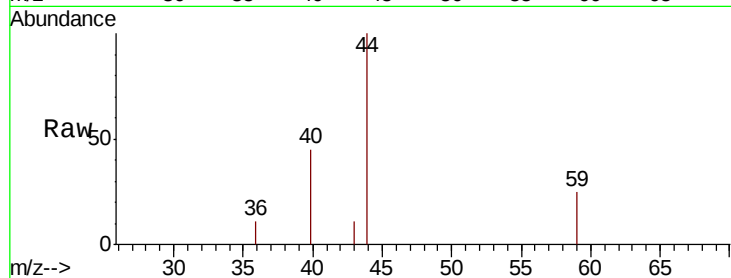


#11

Tert butyl alcohol
Concen: 3.515 ug/l
RT: 3.96 min Scan# 248
Delta R.T. -0.02 min
Lab File: VD060577.D
Acq: 14 Dec 2018 17:01

Instrument :
MSVOA_D
ClientSampled :

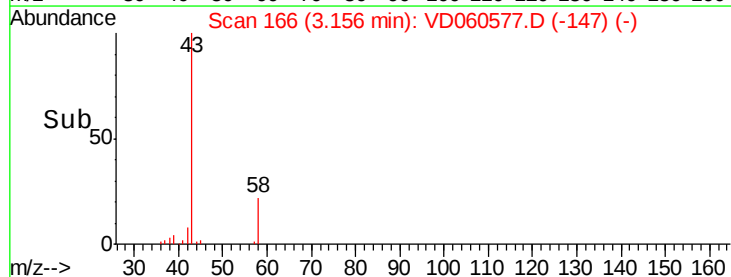
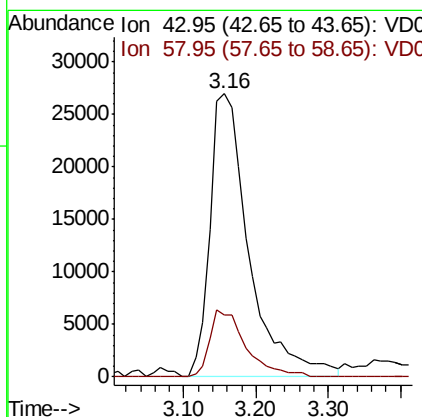
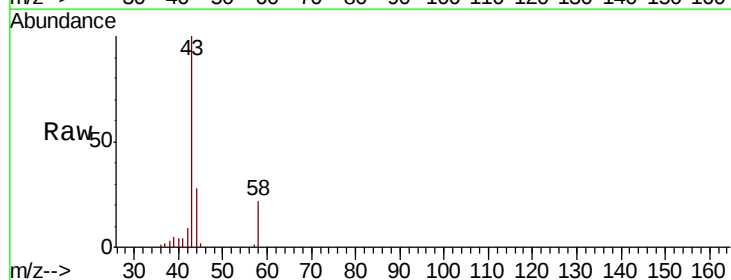
Tot Ion: 59 Resp: 1443
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

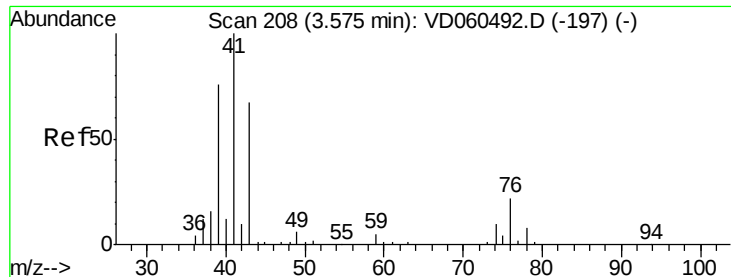


#16

Acetone
Concen: 62.491 ug/l
RT: 3.16 min Scan# 166
Delta R.T. -0.02 min
Lab File: VD060577.D
Acq: 14 Dec 2018 17:01

Tgt Ion: 43 Resp: 101227
Ion Ratio Lower Upper
43 100
58 21.9 17.3 25.9

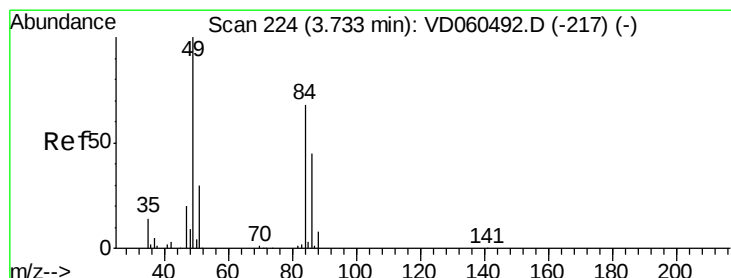
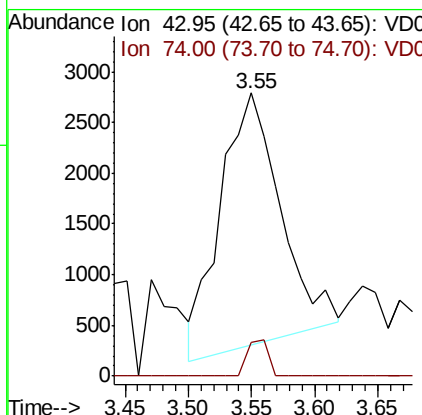
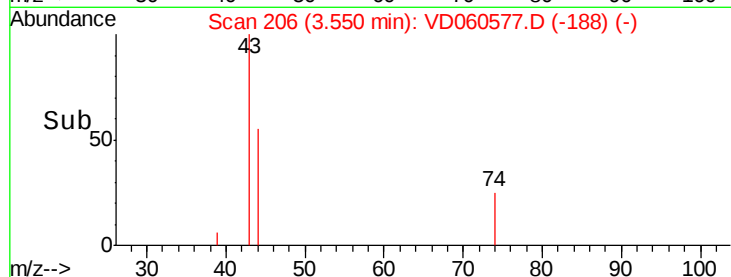
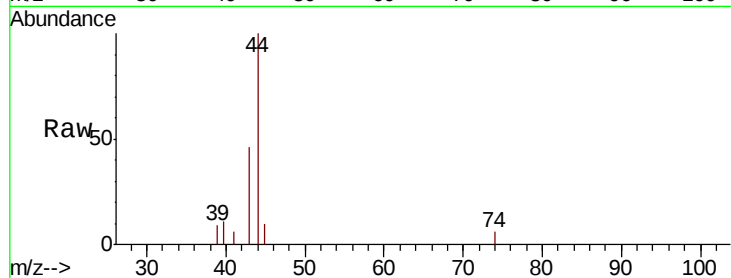




#18
Methyl Acetate
Concen: 2.152 ug/l
RT: 3.55 min Scan# 206
Delta R.T. -0.03 min
Lab File: VD060577.D
Acq: 14 Dec 2018 17:01

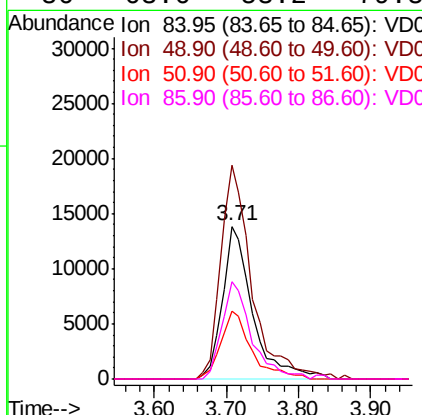
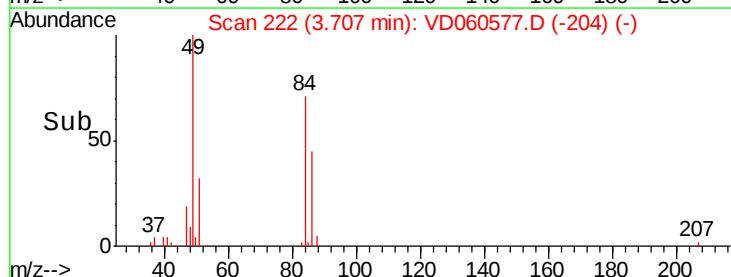
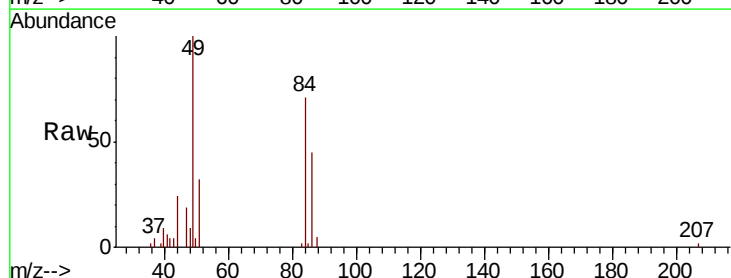
Instrument :
MSVOA_D
ClientSampled :

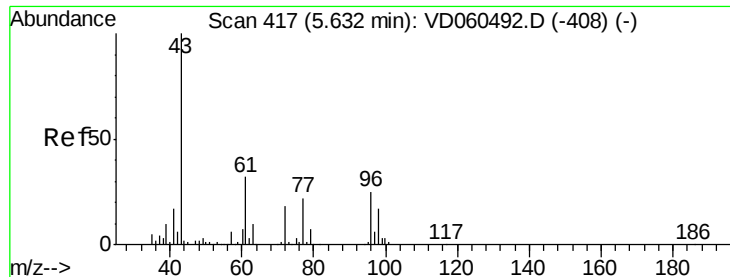
Tot Ion: 43 Resp: 8283
Ion Ratio Lower Upper
43 100
74 11.9 12.0 18.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060577.D
Acq: 14 Dec 2018 17:01

Tgt Ion: 84 Resp: 39804
Ion Ratio Lower Upper
84 100
49 140.1 117.2 175.8
51 44.4 35.3 52.9
86 63.6 53.2 79.8

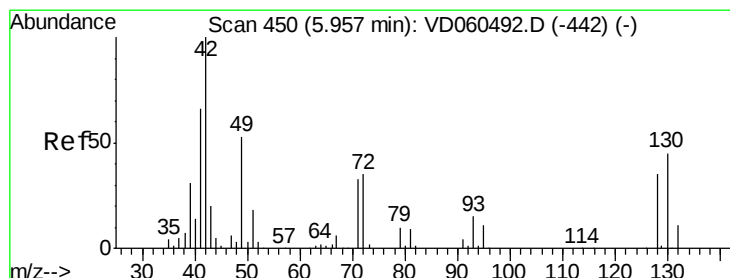
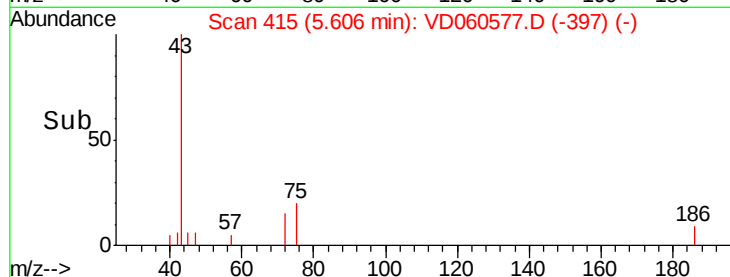
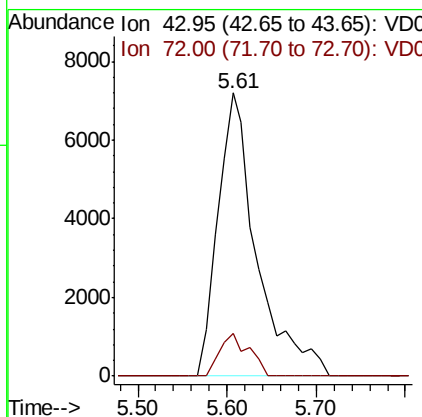
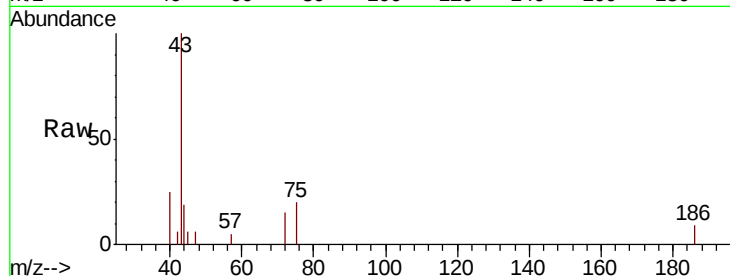




#25
2-Butanone
Concen: 6.872 ug/l
RT: 5.61 min Scan# 415
Delta R.T. -0.03 min
Lab File: VD060577.D
Acq: 14 Dec 2018 17:01

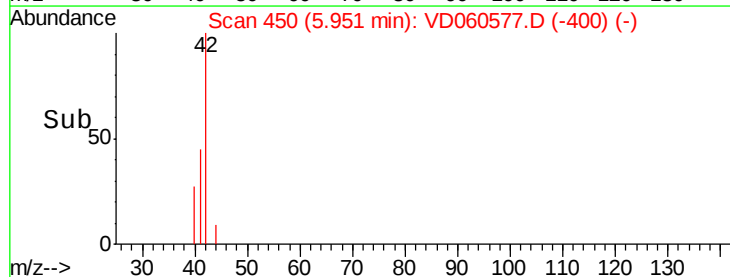
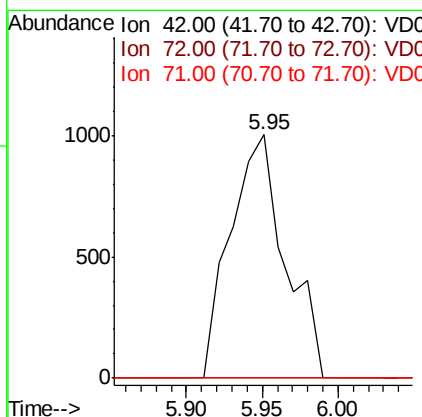
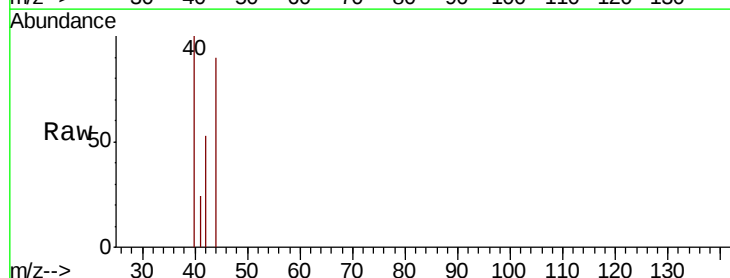
Instrument :
MSVOA_D
ClientSampleId :

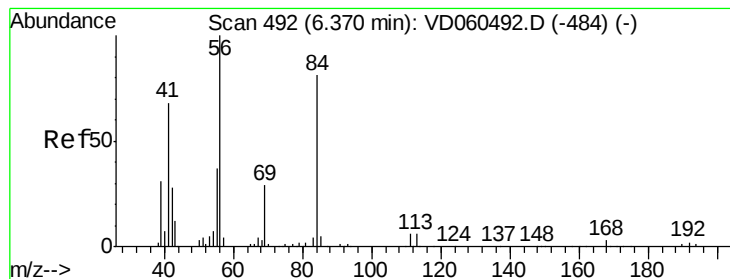
Tot Ion: 43 Resp: 21902
Ion Ratio Lower Upper
43 100
72 15.2 14.6 21.8



#29
Tetrahydrofuran
Concen: 1.404 ug/l
RT: 5.95 min Scan# 450
Delta R.T. -0.01 min
Lab File: VD060577.D
Acq: 14 Dec 2018 17:01

Tgt Ion: 42 Resp: 2534
Ion Ratio Lower Upper
42 100
72 0.0 28.0 42.0#
71 0.0 27.2 40.8#





#31

Cyclohexane

Concen: Below Cal

RT: 6.38 min Scan# 494

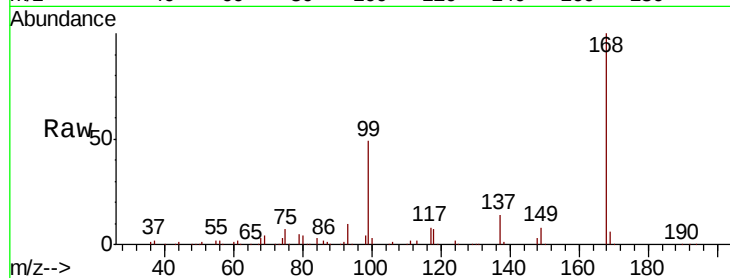
Delta R.T. 0.01 min

Lab File: VD060577.D

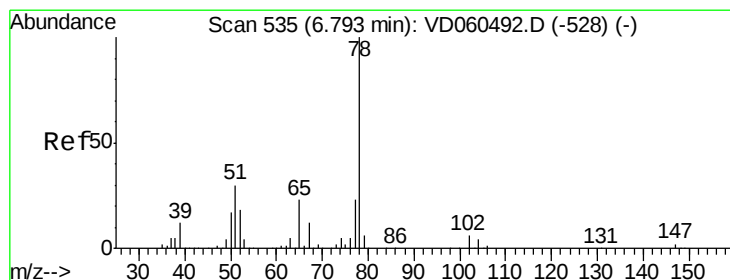
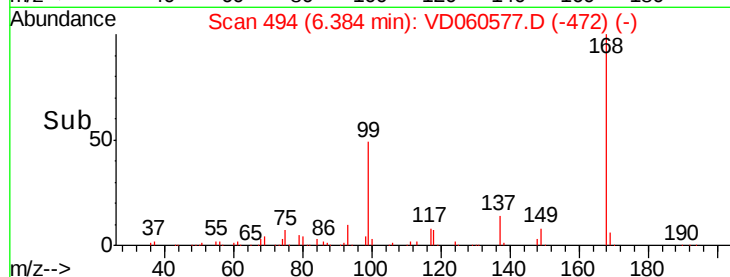
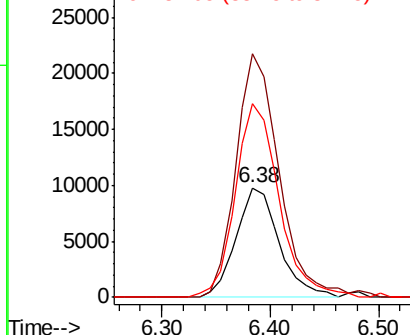
Acq: 14 Dec 2018 17:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	56	Resp:	27024
Ion	Ratio	Lower	Upper
56	100		
69	222.7	22.8	34.2#
84	176.6	65.1	97.7#



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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

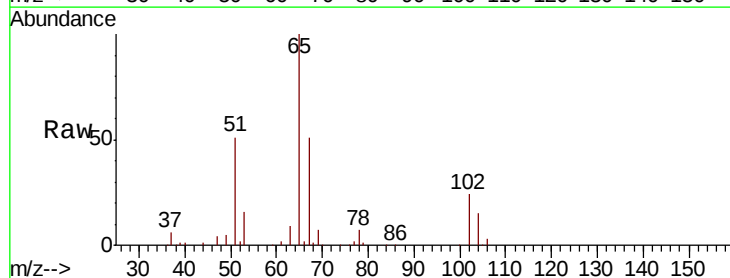
RT: 6.77 min Scan# 533

Delta R.T. -0.03 min

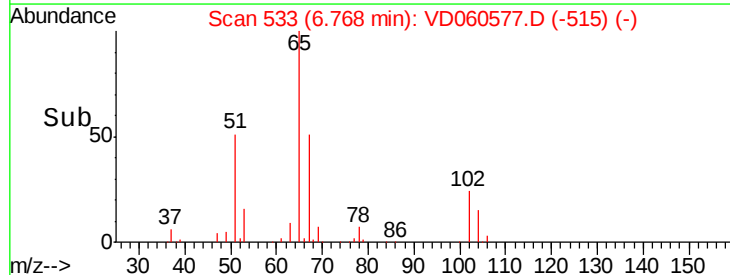
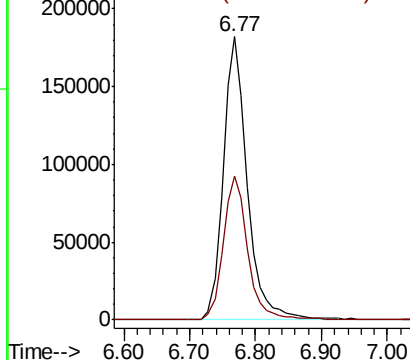
Lab File: VD060577.D

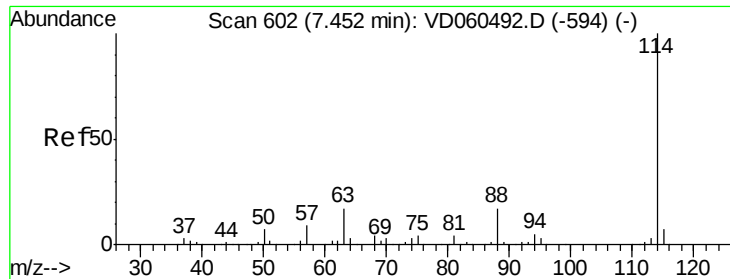
Acq: 14 Dec 2018 17:01

Tgt Ion:	65	Resp:	461407
Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

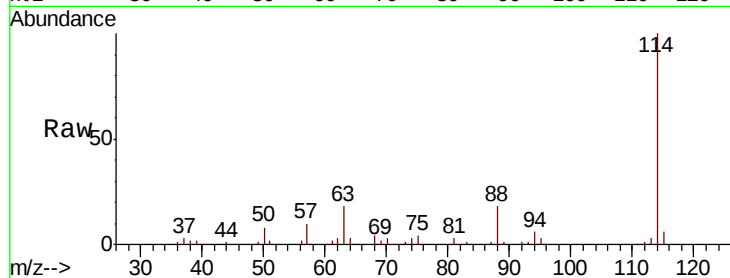




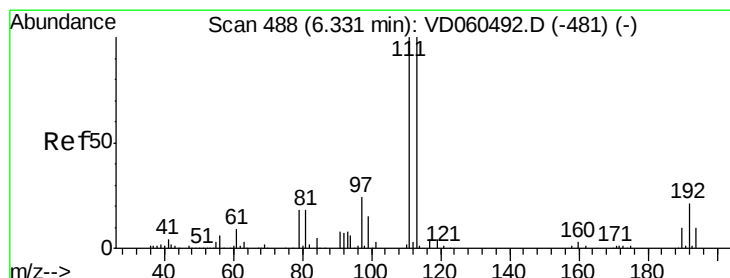
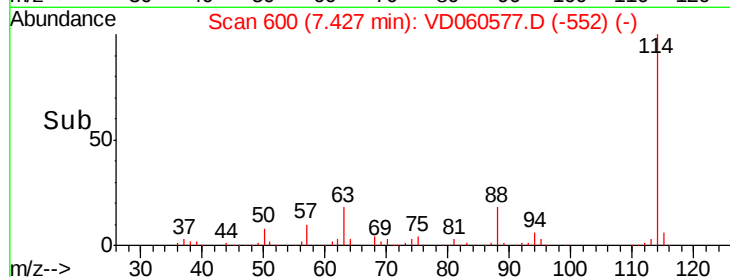
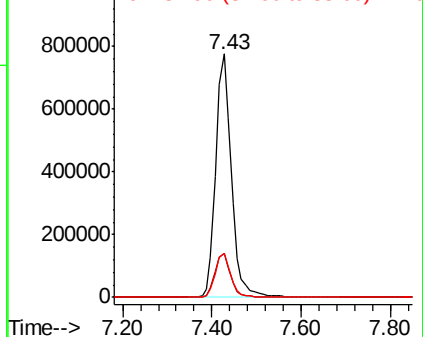
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060577.D
 Acq: 14 Dec 2018 17:01

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:114 Resp: 1882855
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 34.2
 88 17.8 0.0 35.0

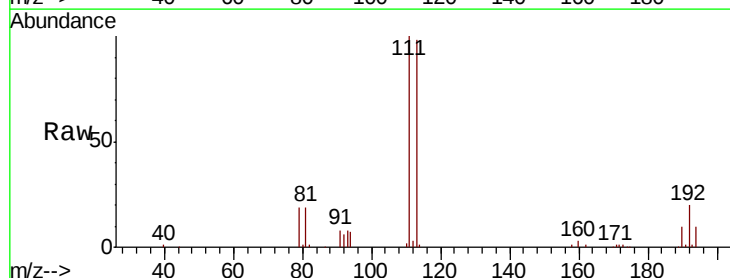


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

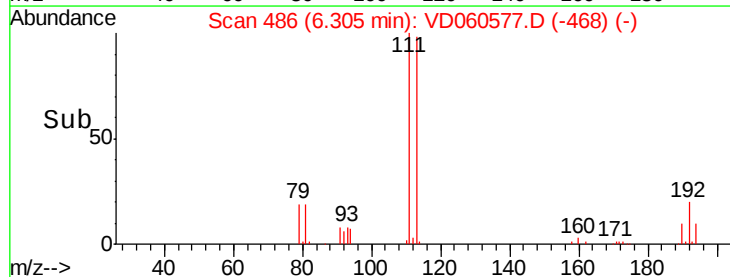
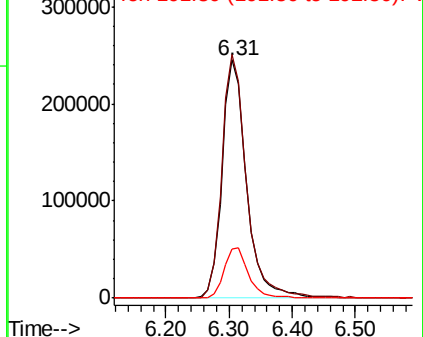


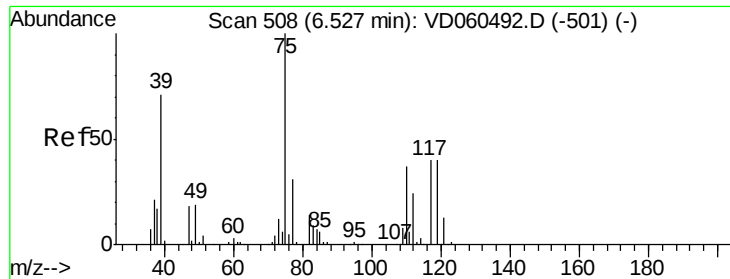
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060577.D
 Acq: 14 Dec 2018 17:01

Tgt Ion:113 Resp: 662298
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.2 120.4
 192 20.6 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

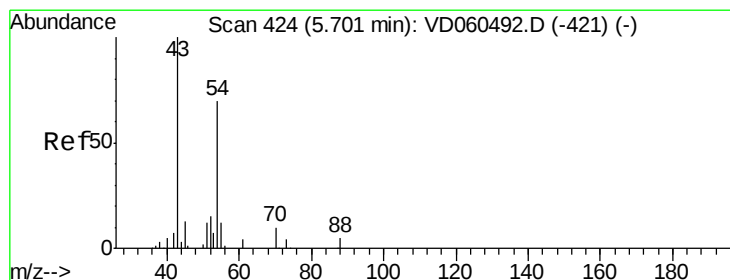
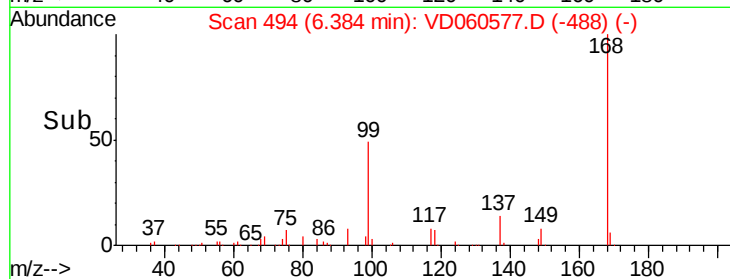
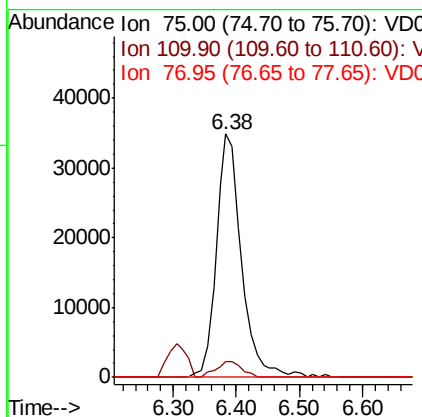
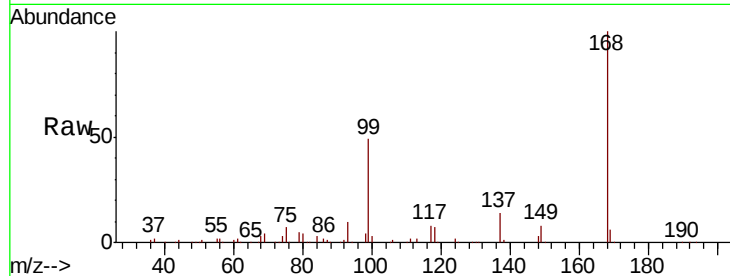




#36
 1,1-Dichloropropene
 Concen: 5.287 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. -0.14 min
 Lab File: VD060577.D
 Acq: 14 Dec 2018 17:01

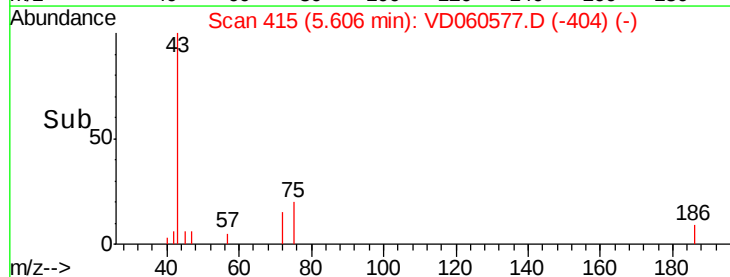
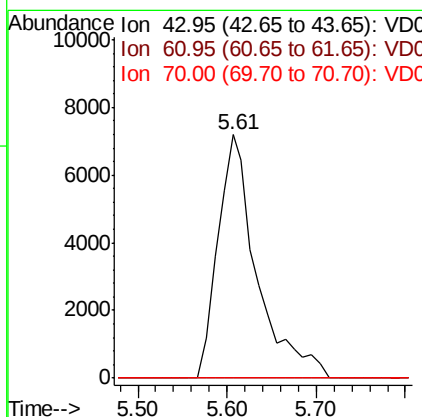
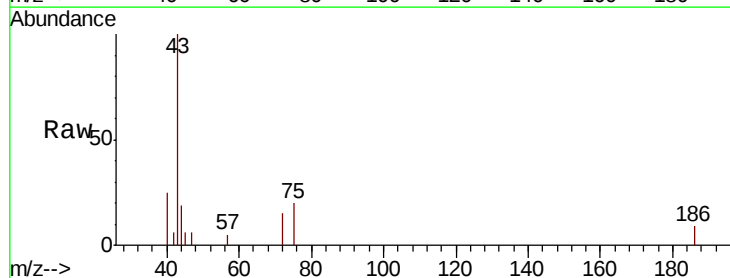
Instrument :
 MSVOA_D
 ClientSampleId :

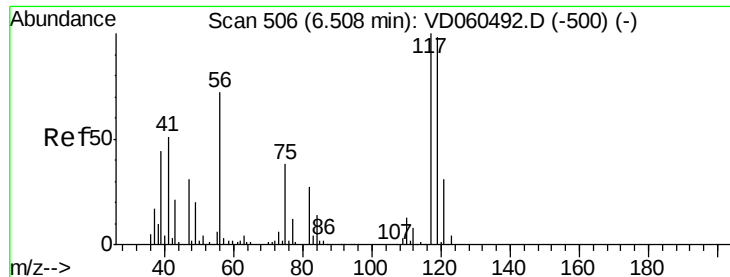
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.4	18.3	54.8#
77	0.0	24.6	37.0#



#37
 Ethyl Acetate
 Concen: 2.744 ug/l
 RT: 5.61 min Scan# 415
 Delta R.T. -0.09 min
 Lab File: VD060577.D
 Acq: 14 Dec 2018 17:01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.4	18.6#
70	0.0	5.4	8.0#

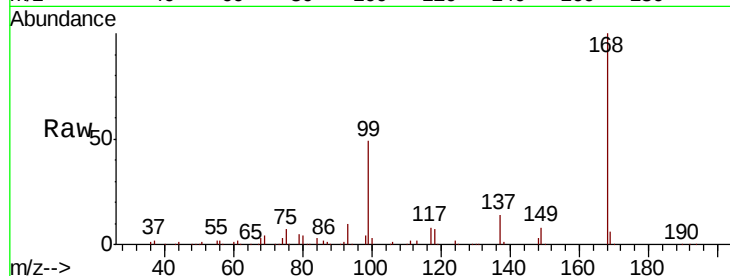




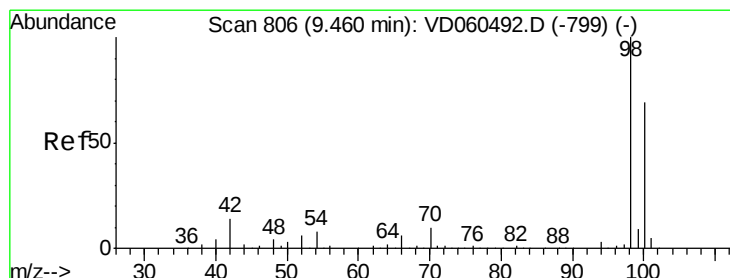
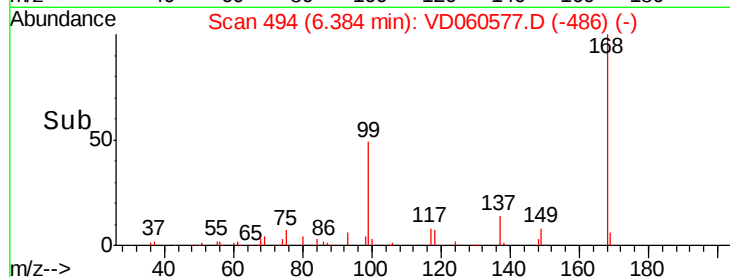
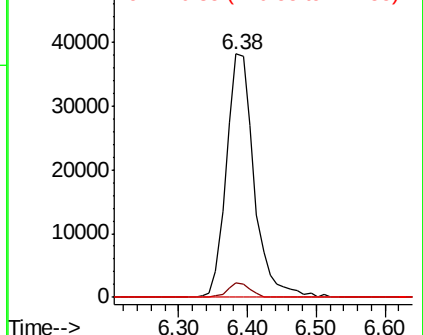
#38
Carbon Tetrachloride
Concen: 6.441 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.12 min
Lab File: VD060577.D
Acq: 14 Dec 2018 17:01

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 106422
Ion Ratio Lower Upper
117 100
119 5.8 76.8 115.2#
121 0.0 24.4 36.6#

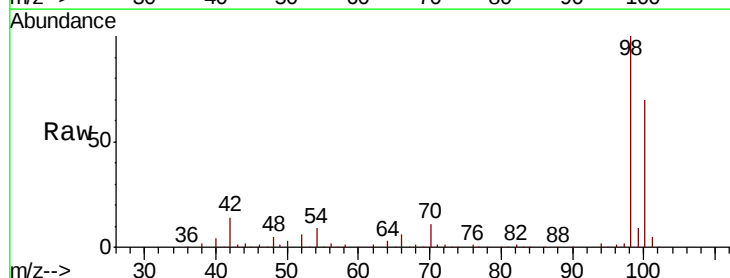


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

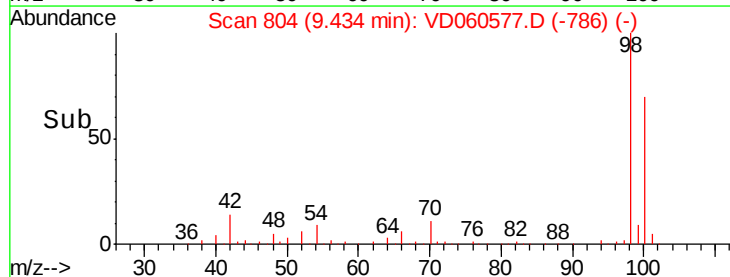
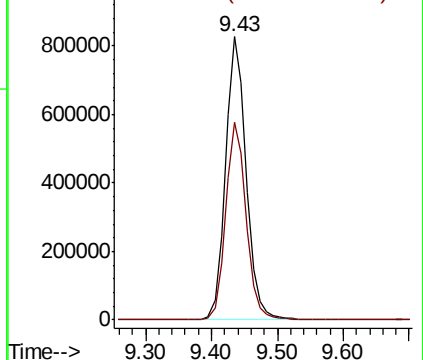


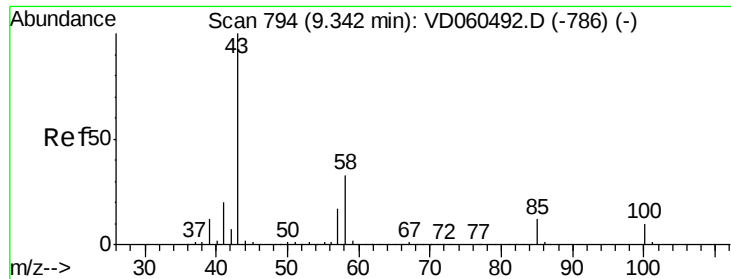
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.03 min
Lab File: VD060577.D
Acq: 14 Dec 2018 17:01

Tgt Ion: 98 Resp: 1816432
Ion Ratio Lower Upper
98 100
100 69.7 55.7 83.5



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





#51

4-Methyl-2-Pentanone

Concen: 1.644 ug/l

RT: 9.43 min Scan# 804

Delta R.T. 0.09 min

Lab File: VD060577.D

Acq: 14 Dec 2018 17:01

Instrument :

MSVOA_D

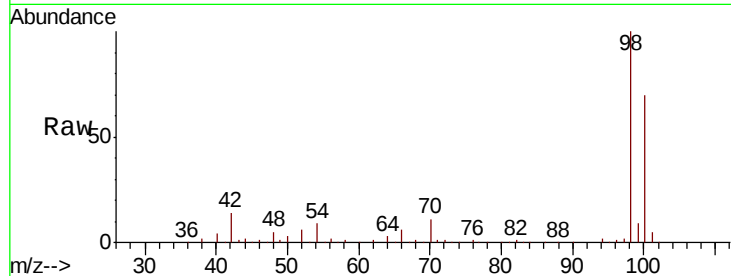
ClientSampled :

Tot Ion: 43 Resp: 10079

Ion Ratio Lower Upper

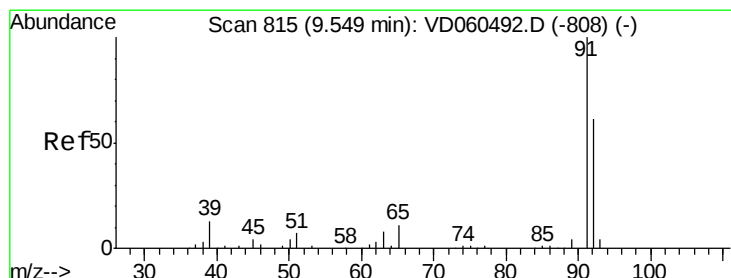
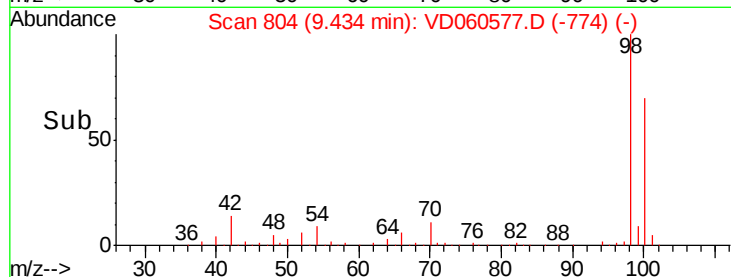
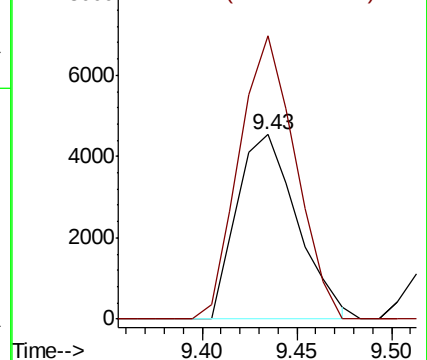
43 100

58 153.5 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: 5.817 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.03 min

Lab File: VD060577.D

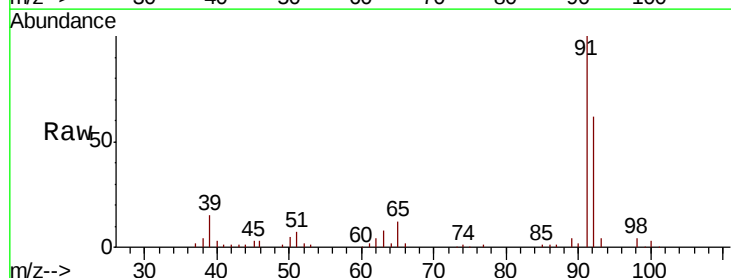
Acq: 14 Dec 2018 17:01

Tgt Ion: 92 Resp: 171006

Ion Ratio Lower Upper

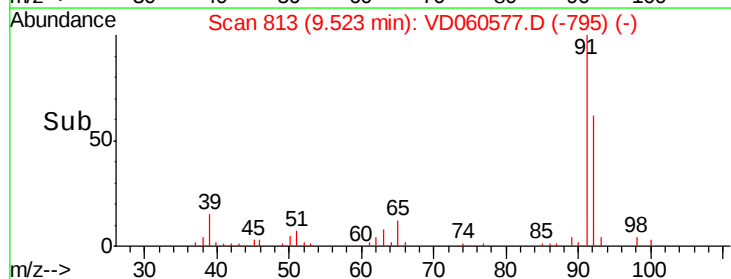
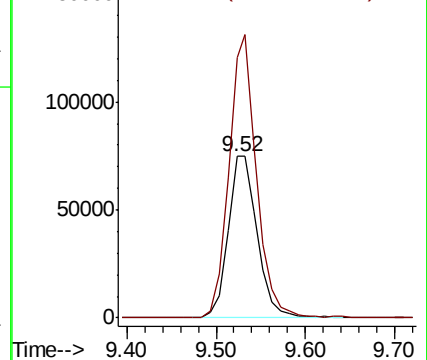
92 100

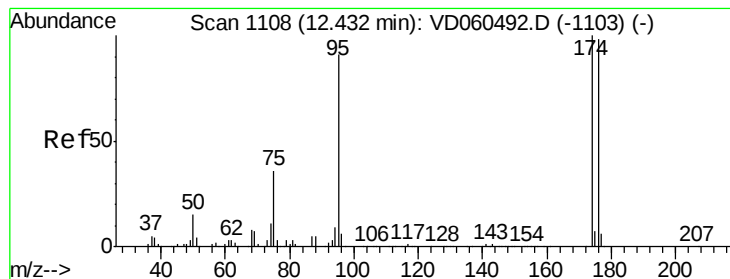
91 160.7 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060577.D

Acq: 14 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

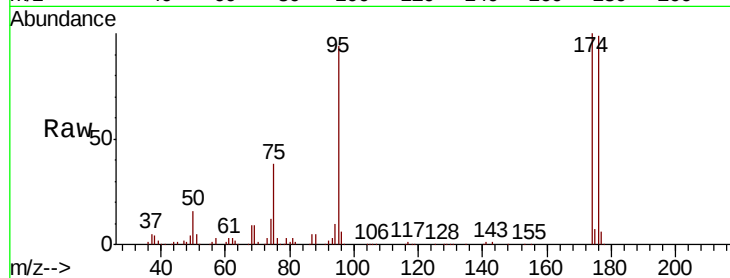
Tot Ion: 95 Resp: 405582

Ion Ratio Lower Upper

95 100

174 106.6 0.0 219.4

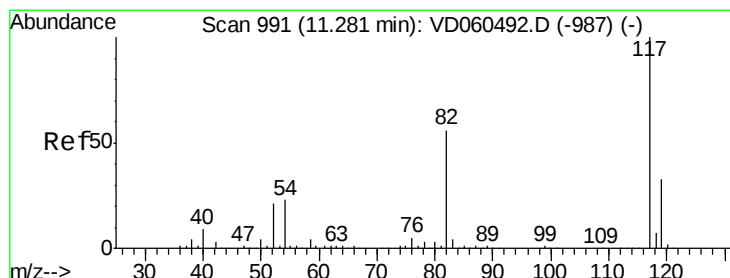
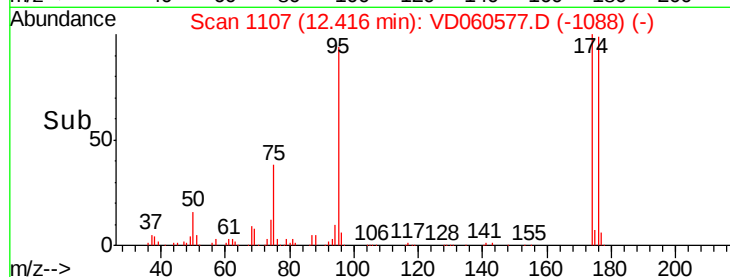
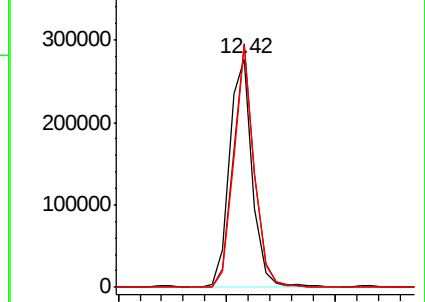
176 105.9 0.0 214.6



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: 11.26 min Scan# 990

Delta R.T. -0.02 min

Lab File: VD060577.D

Acq: 14 Dec 2018 17:01

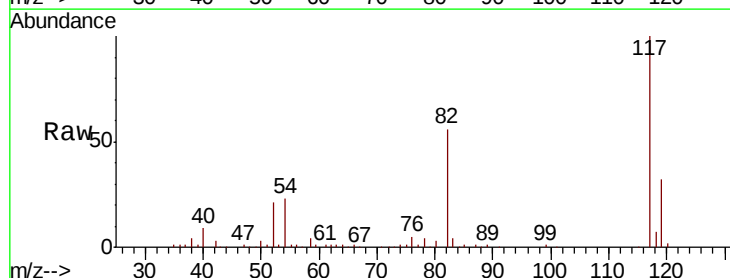
Tgt Ion: 117 Resp: 1142857

Ion Ratio Lower Upper

117 100

82 55.8 45.2 67.8

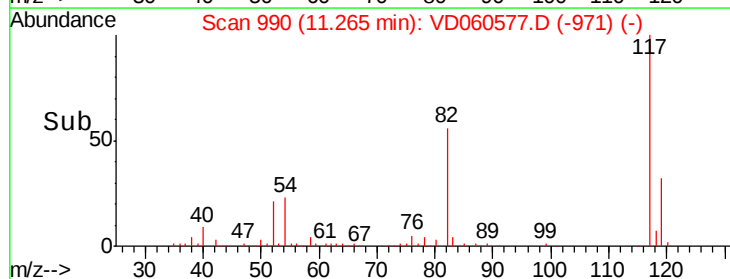
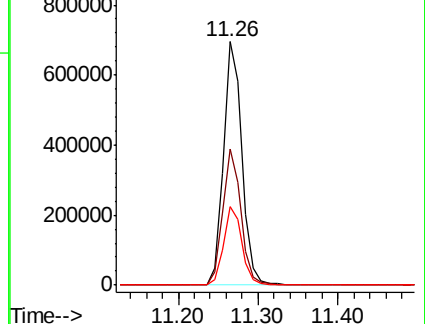
119 32.0 26.1 39.1

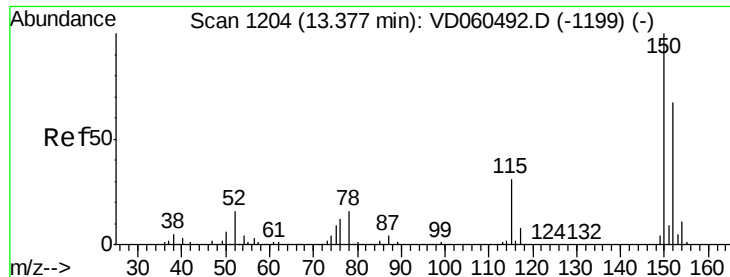


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



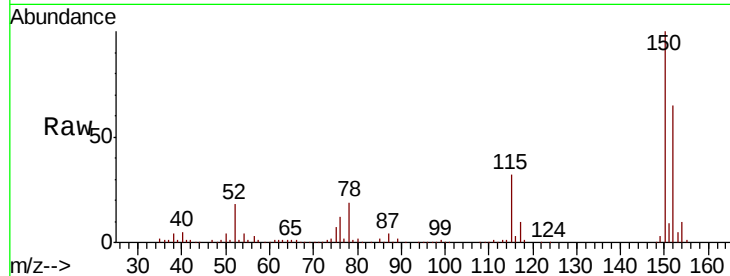


#72

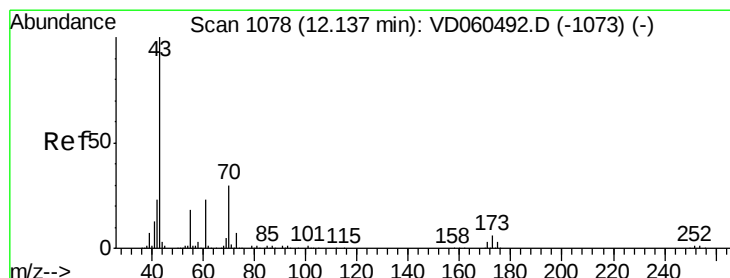
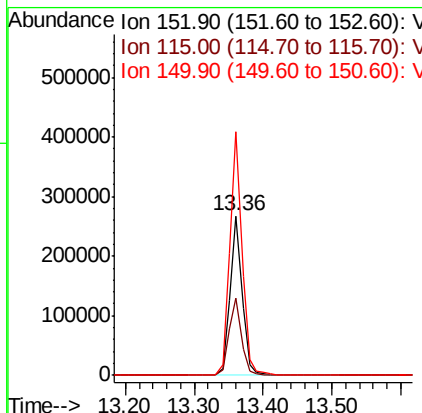
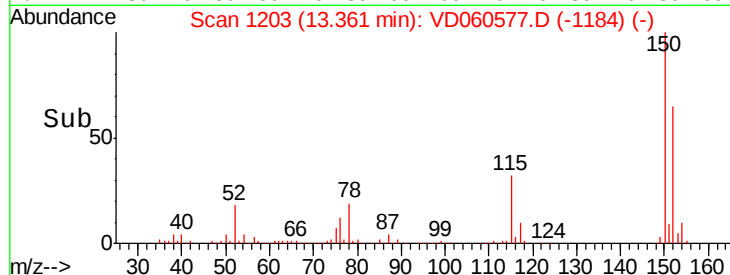
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060577.D
Acq: 14 Dec 2018 17:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	48.6	24.6	74.0
150	152.7	0.0	309.0



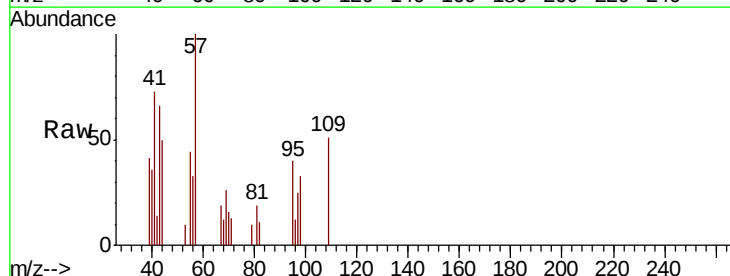
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



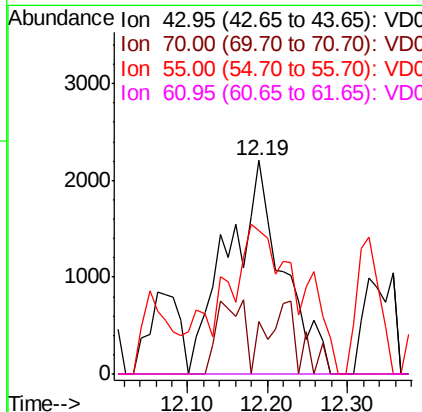
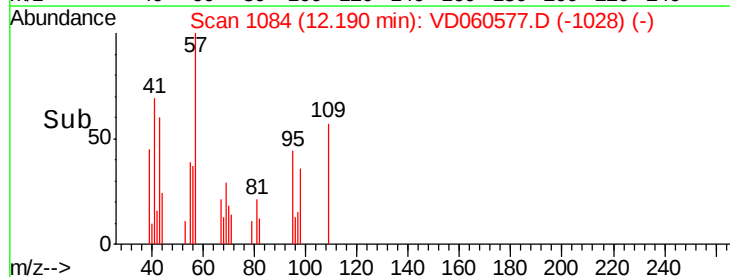
#74

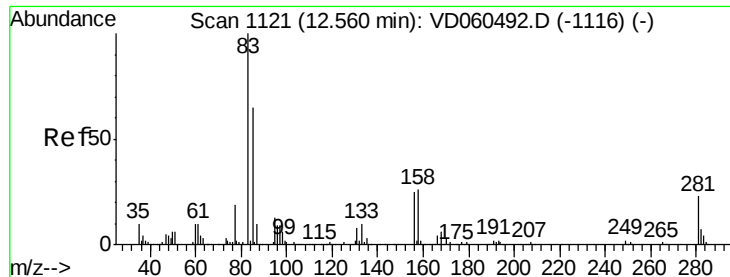
N-ethyl acetate
Concen: 1.894 ug/l
RT: 12.19 min Scan# 1084
Delta R.T. 0.05 min
Lab File: VD060577.D
Acq: 14 Dec 2018 17:01

Tgt Ion	Ratio	Lower	Upper
43	100		
70	24.8	23.8	35.8
55	67.2	14.2	21.2#
61	0.0	18.1	27.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 1.080 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060577.D

Acq: 14 Dec 2018 17:01

Instrument :

MSVOA_D

ClientSampleId :

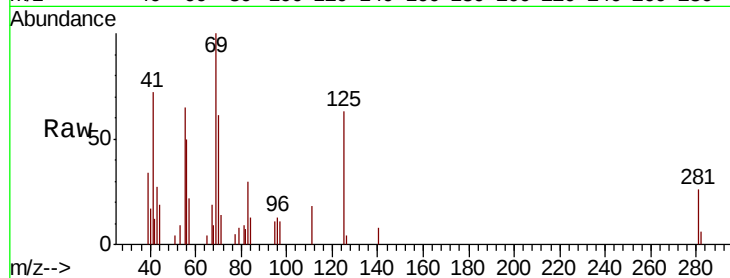
Tot Ion: 83 Resp: 3965

Ion Ratio Lower Upper

83 100

131 0.0 3.8 11.4#

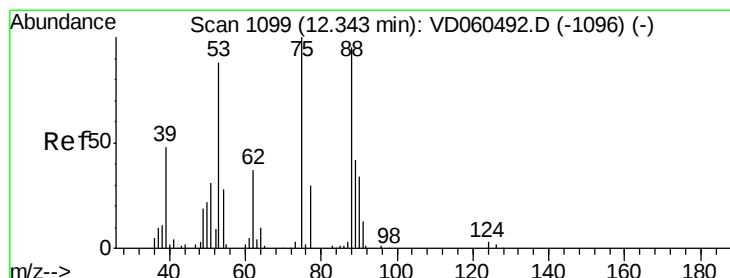
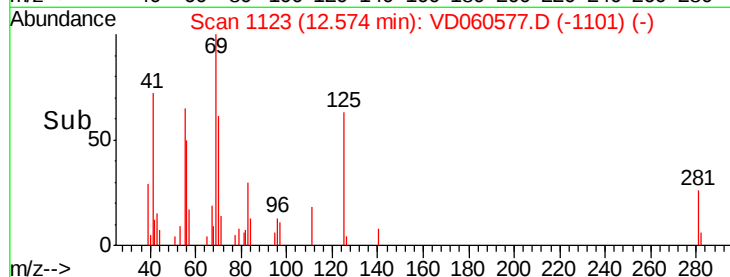
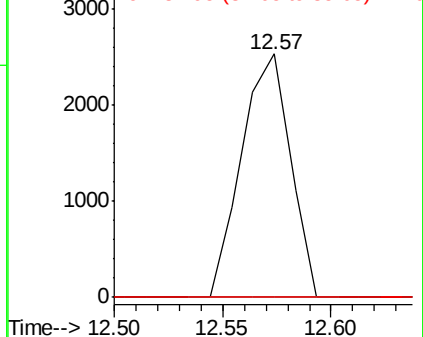
85 0.0 32.3 96.9#



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



#81

trans-1,4-Dichloro-2-butene

Concen: 161.426 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060577.D

Acq: 14 Dec 2018 17:01

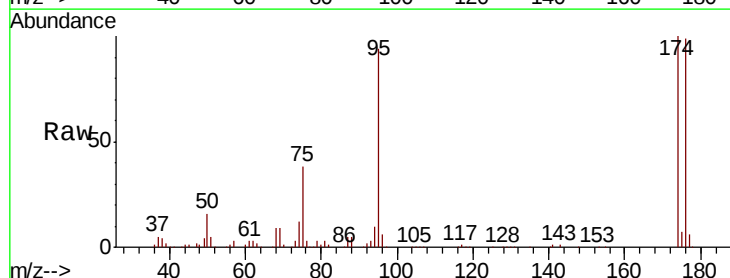
Tgt Ion: 75 Resp: 165338

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

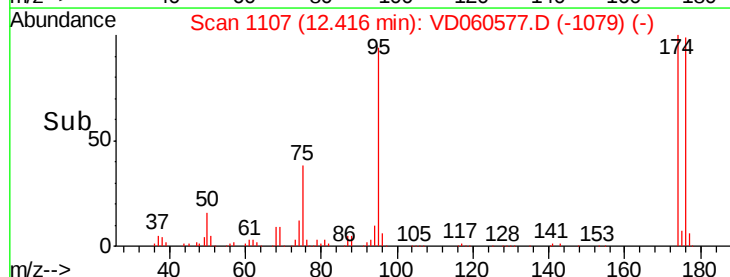
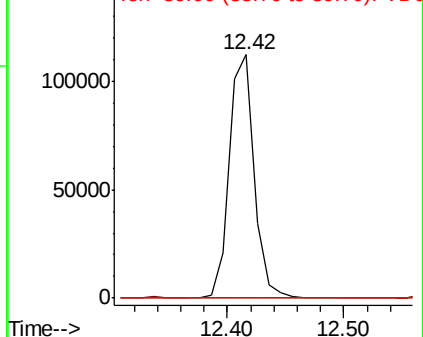
89 0.0 33.6 50.4#

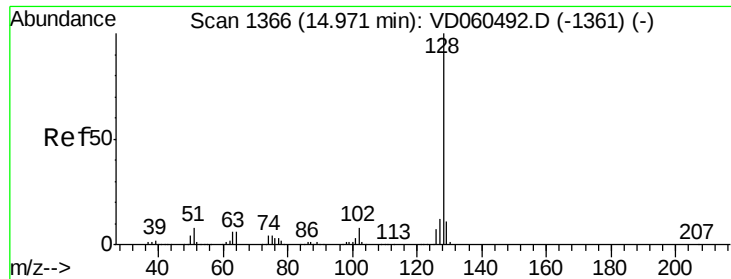


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

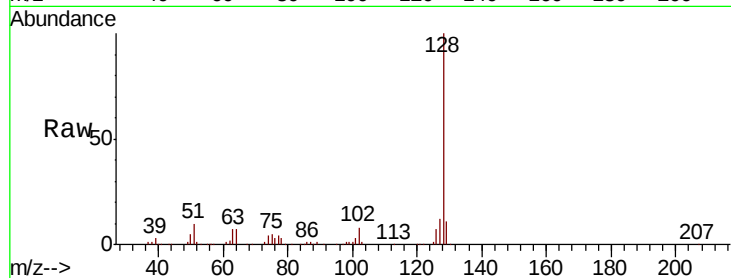




#95
 Naphthalene
 Concen: 46.644 ug/l
 RT: 14.96 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VD060577.D
 Acq: 14 Dec 2018 17:01

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.8	14.8
129	10.6	8.6	13.0



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

