

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092418\
 Data File : VD060077.D
 Acq On : 24 Sep 2018 12:46
 Operator : VA/AP
 Sample : VD0924SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBL01

Quant Time: Sep 24 15:00:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1748473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2397225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.26	117	1898941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	1016946	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	727105	53.33	ug/l	0.00
Spiked Amount						
			Recovery	=	106.66%	
35) Dibromofluoromethane	6.29	113	952519	50.86	ug/l	0.00
Spiked Amount						
			Recovery	=	101.72%	
50) Toluene-d8	9.43	98	2694512	51.91	ug/l	0.00
Spiked Amount						
			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.42	95	1041128	52.50	ug/l	0.00
Spiked Amount						
			Recovery	=	105.00%	

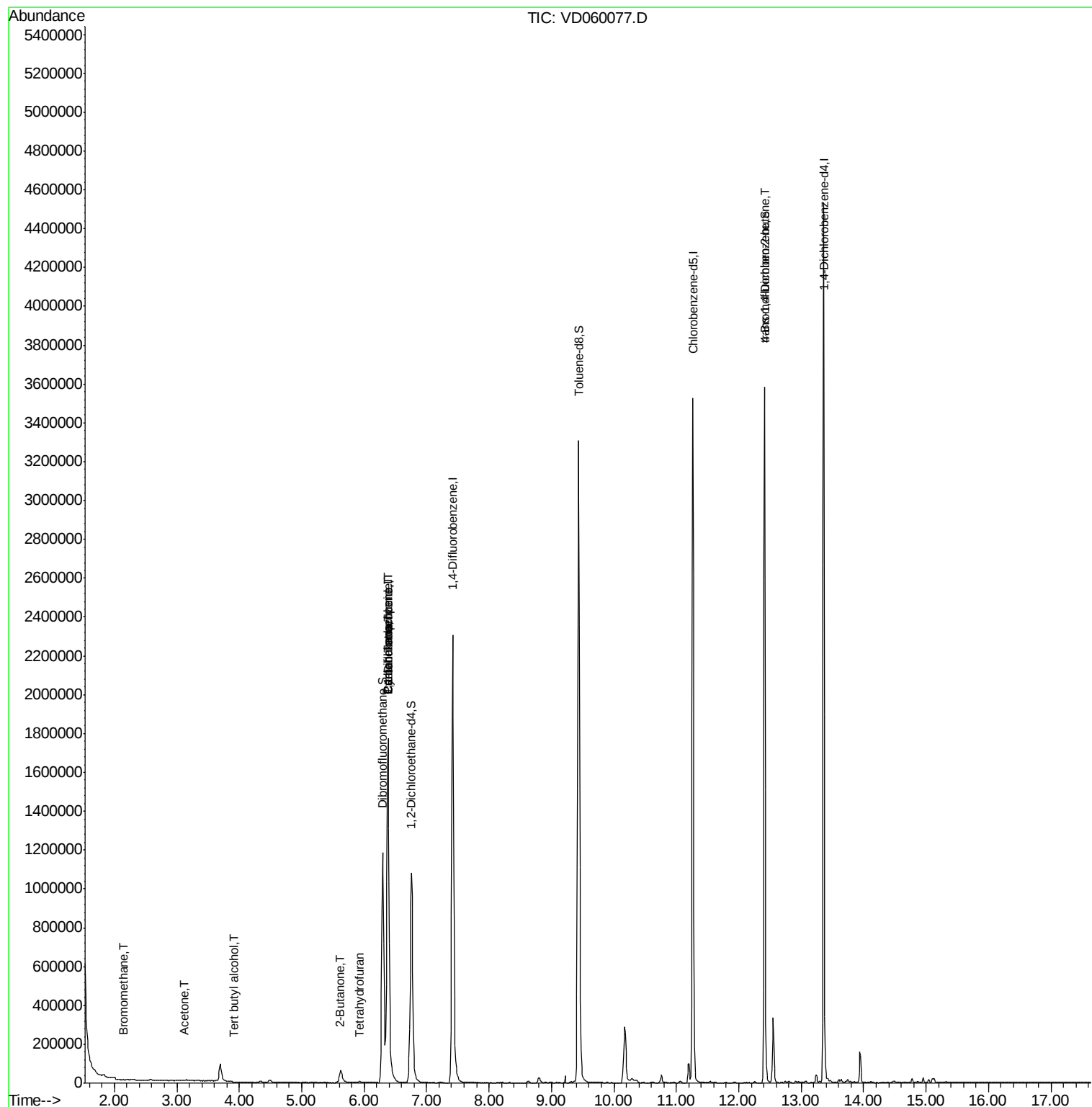
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	2245	1.447	ug/l #	57
11) Tert butyl alcohol	3.93	59	2600	2.363	ug/l #	74
16) Acetone	3.14	43	14357	5.454	ug/l	95
20) Methylene Chloride	3.70	84	53741	Below Cal		96
25) 2-Butanone	5.61	43	7850	1.105	ug/l #	61
29) Tetrahydrofuran	5.92	42	4103	1.077	ug/l #	76
31) Cyclohexane	6.37	56	33700	1.113	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	123645	5.192	ug/l #	47
38) Carbon Tetrachloride	6.38	117	136108	6.123	ug/l #	16
51) 4-Methyl-2-Pentanone	9.32	43	8742	Below Cal	#	86
59) 2-Hexanone	10.47	43	2132	Below Cal		100
81) trans-1,4-Dichloro-2-buten	12.42	75	412564	87.996	ug/l #	15
89) n-Butylbenzene	13.64	91	2657	Below Cal		87
91) 1,2-Dichlorobenzene	13.65	146	3139	Below Cal		87

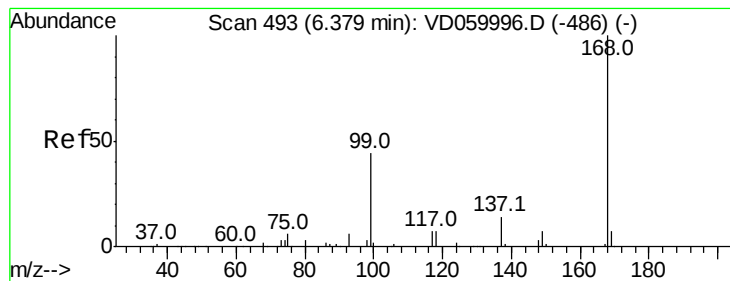
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092418\
Data File : VD060077.D
Acq On : 24 Sep 2018 12:46
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Sample : VD0924SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VD0924SBL01

Quant Time: Sep 24 15:00:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060077.D

Acq: 24 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

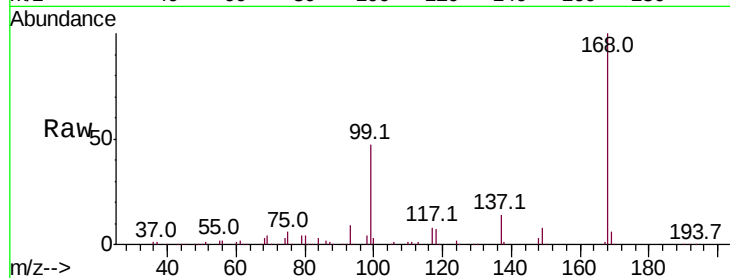
VD0924SBL01

Tot Ion:168 Resp: 1748473

Ion Ratio Lower Upper

168 100

99 47.3 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

800000

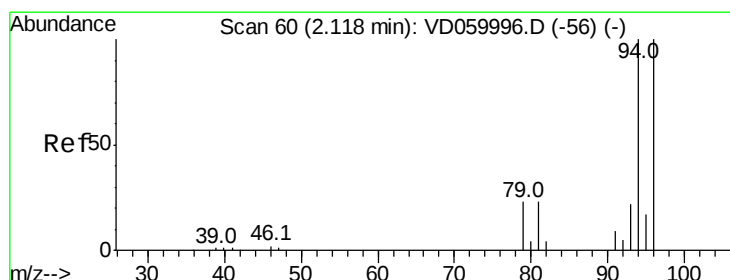
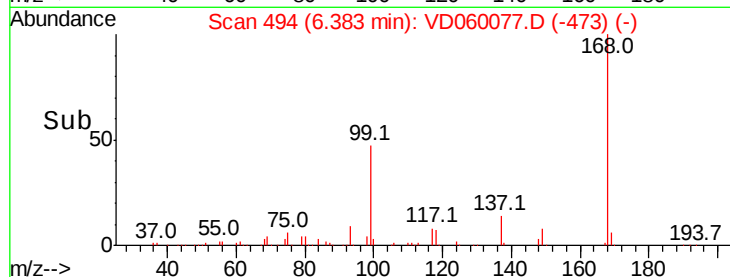
600000

400000

200000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#5

Bromomethane

Concen: 1.447 ug/l

RT: 2.14 min Scan# 63

Delta R.T. 0.02 min

Lab File: VD060077.D

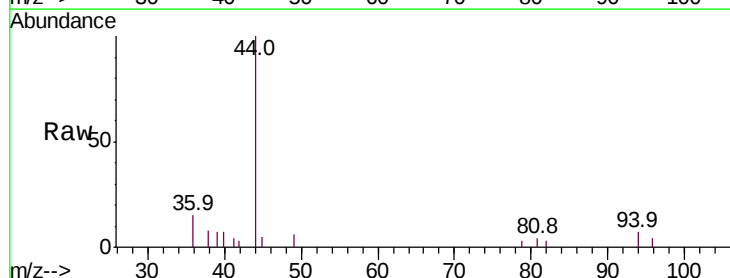
Acq: 24 Sep 2018 12:46

Tgt Ion: 94 Resp: 2245

Ion Ratio Lower Upper

94 100

96 57.1 79.8 119.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.14

800

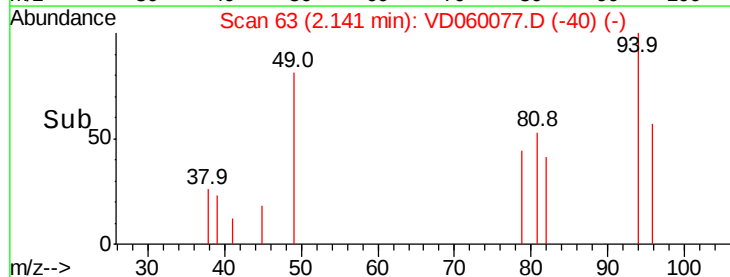
600

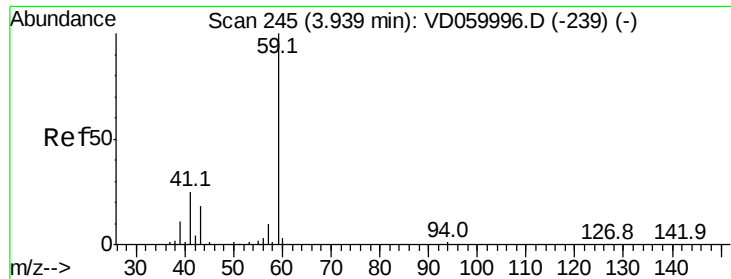
400

200

0

Time--> 2.05 2.10 2.15

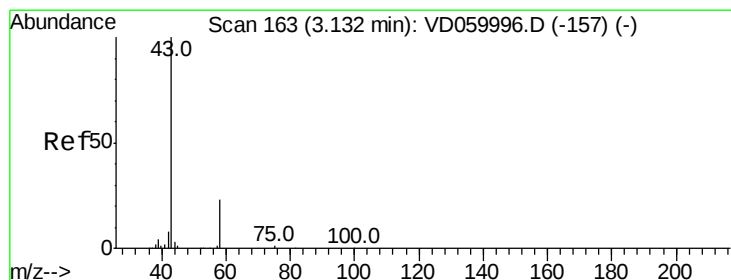
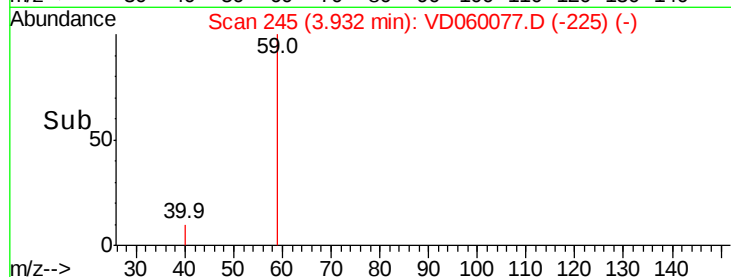
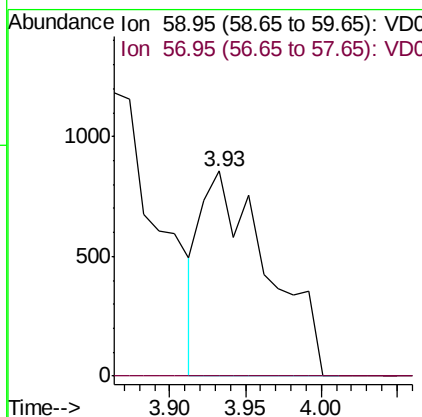
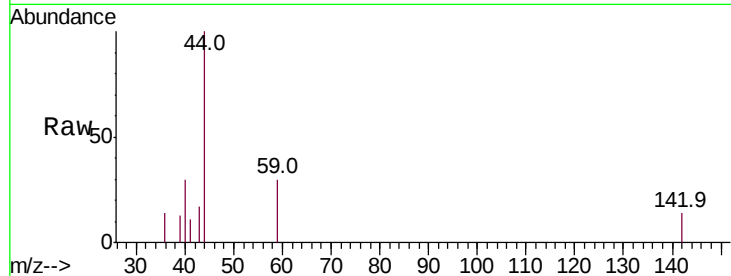




#11
Tert butyl alcohol
Concen: 2.363 ug/l
RT: 3.93 min Scan# 245
Delta R.T. -0.01 min
Lab File: VD060077.D
Acq: 24 Sep 2018 12:46

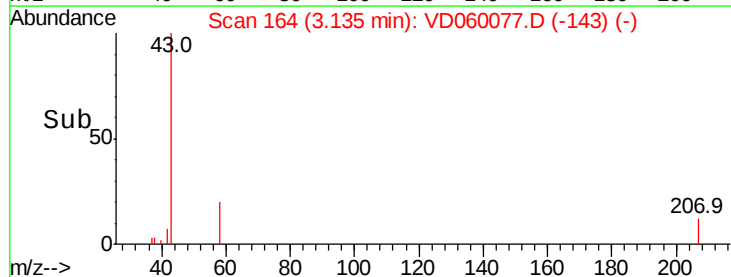
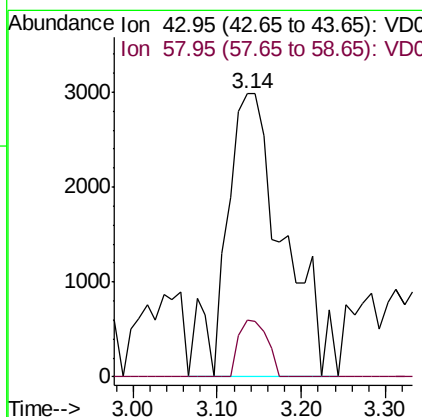
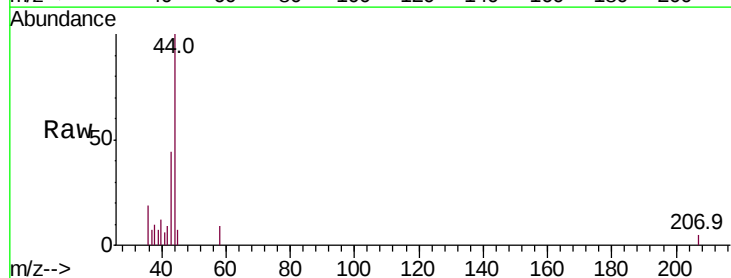
Instrument :
MSVOA_D
ClientSampleId :
VD0924SBL01

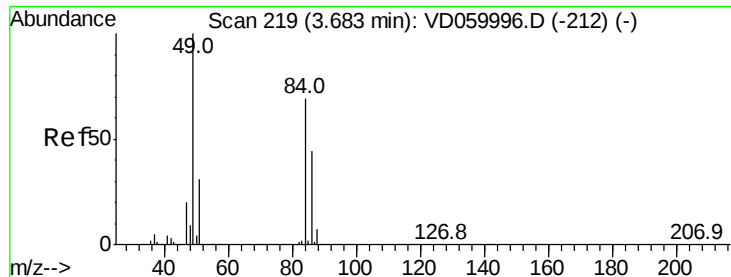
Tot Ion: 59 Resp: 2600
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 5.454 ug/l
RT: 3.14 min Scan# 164
Delta R.T. 0.00 min
Lab File: VD060077.D
Acq: 24 Sep 2018 12:46

Tgt Ion: 43 Resp: 14357
Ion Ratio Lower Upper
43 100
58 20.0 18.1 27.1

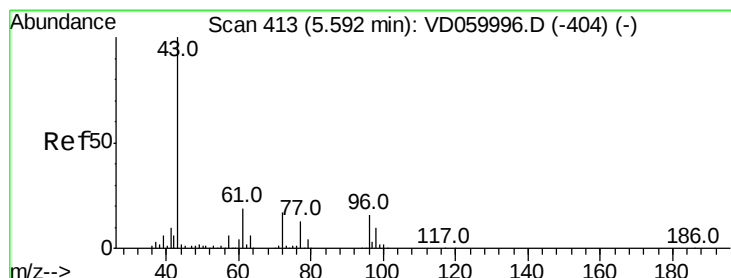
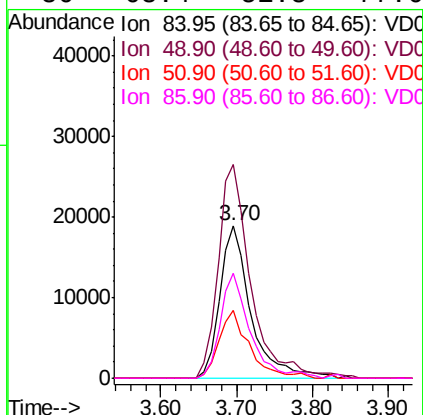
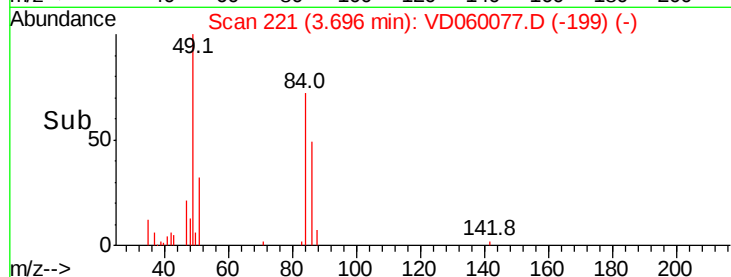
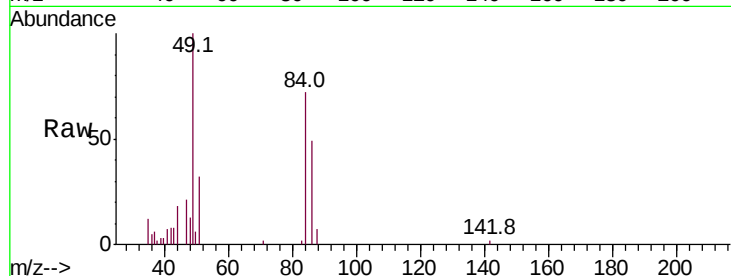




#20
Methvlene Chloride
Concen: Below Cal
RT: 3.70 min Scan# 221
Delta R.T. 0.01 min
Lab File: VD060077.D
Acq: 24 Sep 2018 12:46

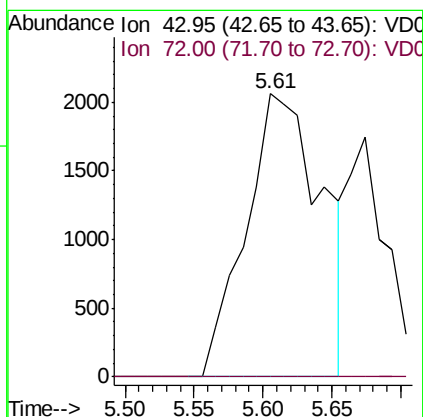
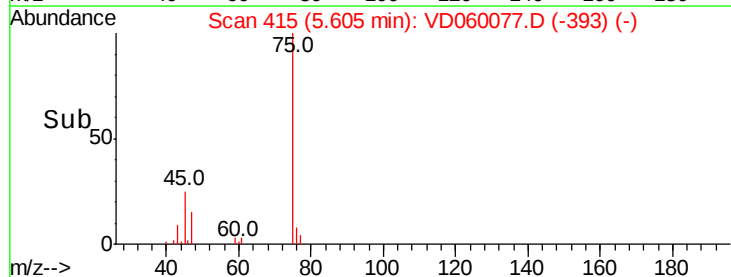
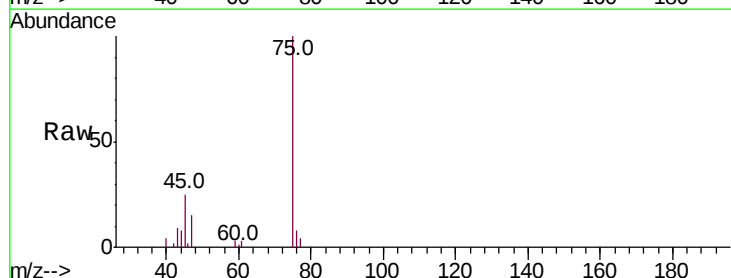
Instrument :
MSVOA_D
ClientSampleId :
VD0924SBL01

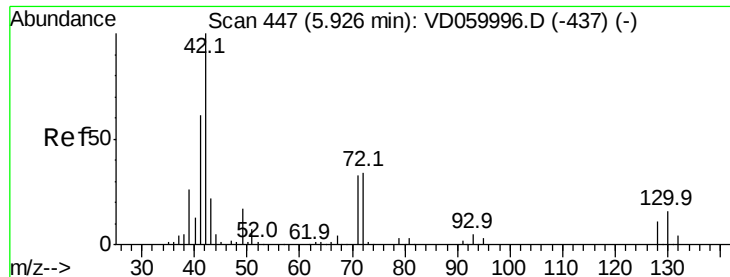
Tot Ion: 84 Resp: 53741
Ion Ratio Lower Upper
84 100
49 139.6 116.6 175.0
51 44.3 35.9 53.9
86 68.4 51.8 77.6



#25
2-Butanone
Concen: 1.105 ug/l
RT: 5.61 min Scan# 415
Delta R.T. 0.01 min
Lab File: VD060077.D
Acq: 24 Sep 2018 12:46

Tgt Ion: 43 Resp: 7850
Ion Ratio Lower Upper
43 100
72 0.0 13.6 20.4#

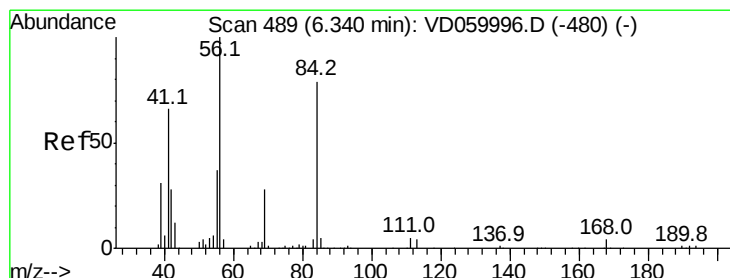
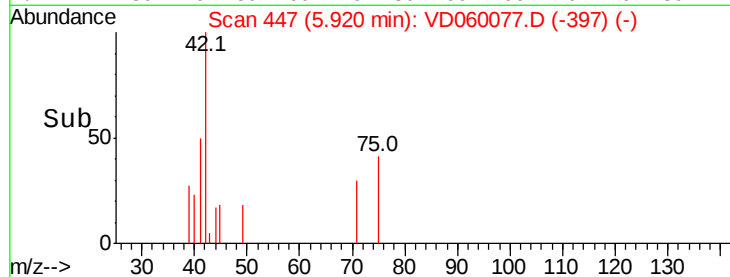
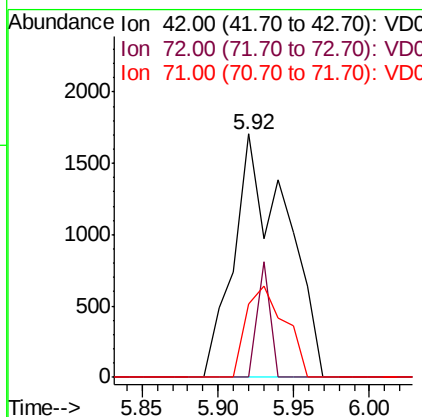
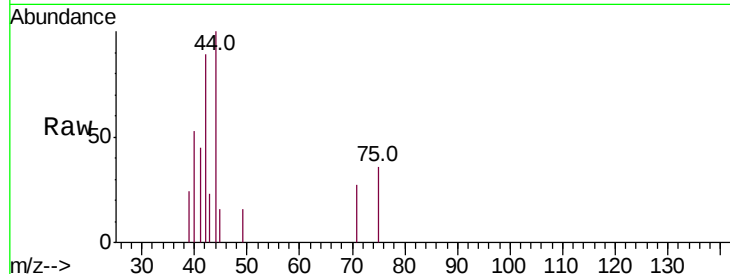




#29
Tetrahydrofuran
Concen: 1.077 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.01 min
Lab File: VD060077.D
Acq: 24 Sep 2018 12:46

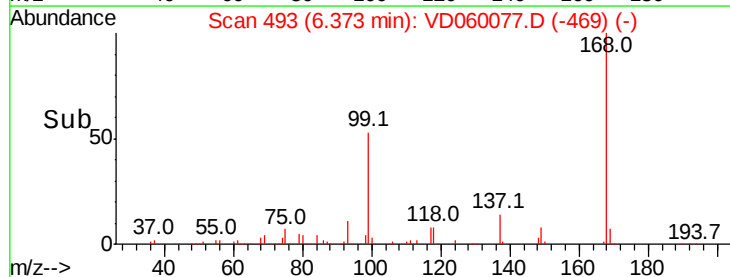
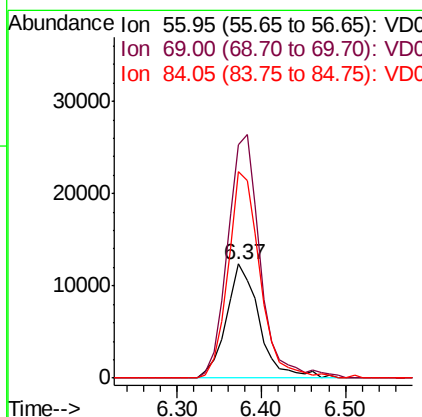
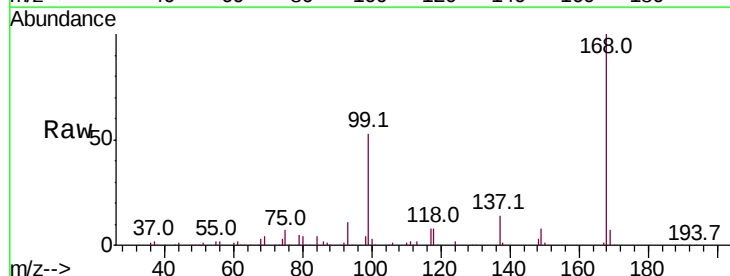
Instrument :
MSVOA_D
ClientSampleId :
VD0924SBL01

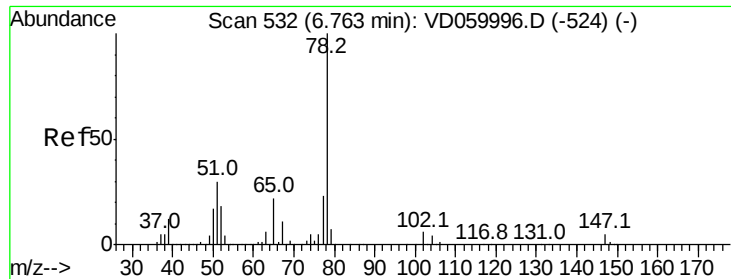
Tot Ion: 42 Resp: 4103
Ion Ratio Lower Upper
42 100
72 11.6 26.9 40.3#
71 27.9 26.2 39.4



#31
Cyclohexane
Concen: 1.113 ug/l
RT: 6.37 min Scan# 493
Delta R.T. 0.03 min
Lab File: VD060077.D
Acq: 24 Sep 2018 12:46

Tgt Ion: 56 Resp: 33700
Ion Ratio Lower Upper
56 100
69 205.5 22.7 34.1#
84 181.1 64.0 96.0#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD060077.D

Acq: 24 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

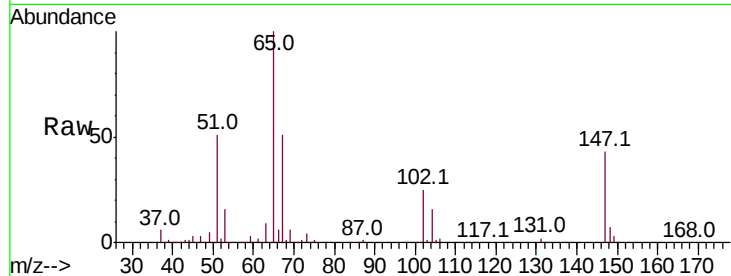
VD0924SBL01

Tot Ion: 65 Resp: 727105

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

300000

200000

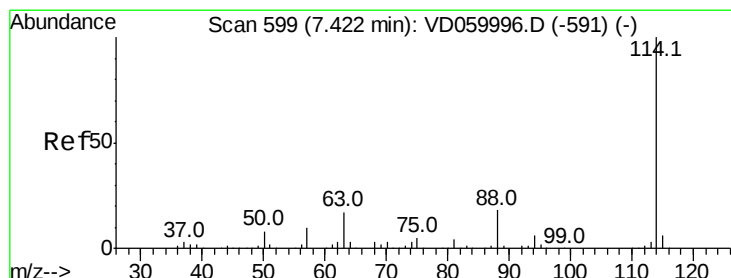
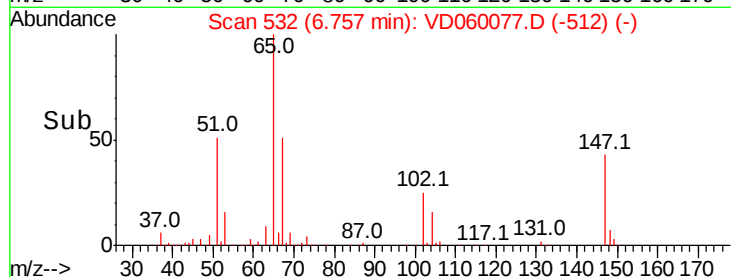
100000

0

6.76

6.60 6.70 6.80 6.90 7.00

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.01 min

Lab File: VD060077.D

Acq: 24 Sep 2018 12:46

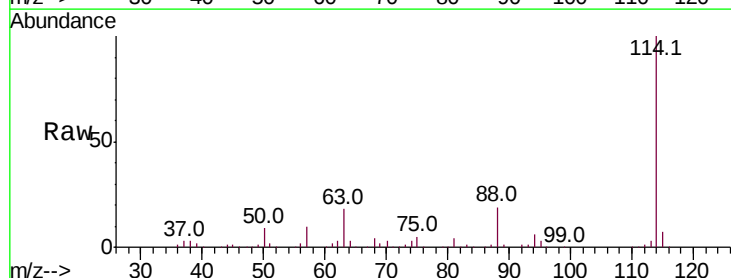
Tgt Ion:114 Resp: 2397225

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.4

88 18.8 0.0 35.8



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

1000000

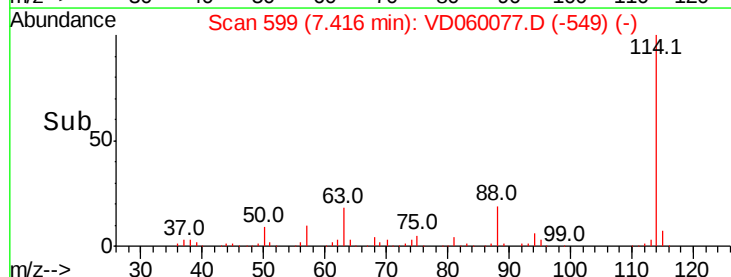
500000

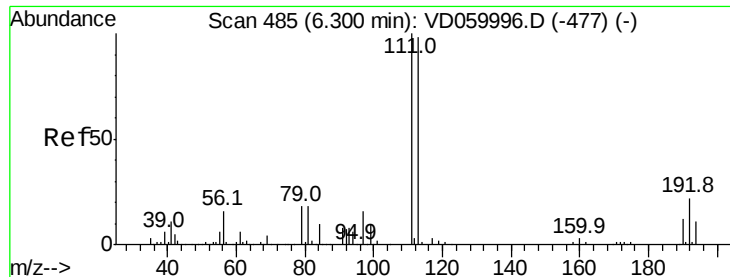
0

7.42

7.30 7.40 7.50 7.60

Time-->

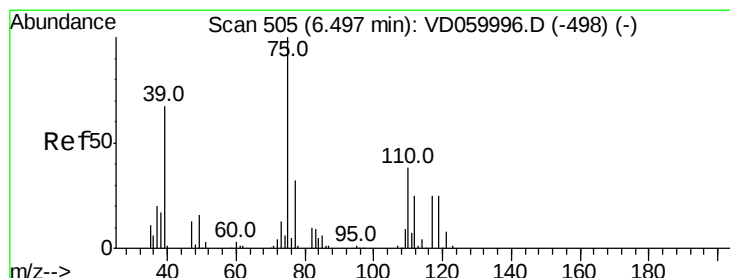
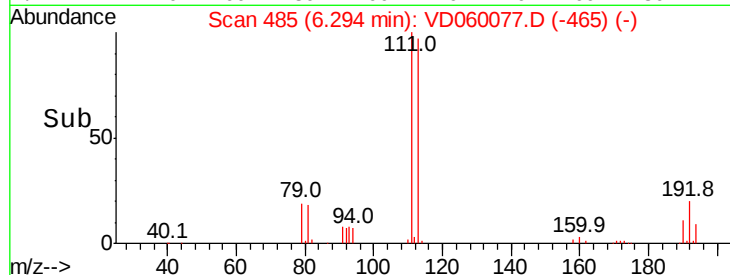
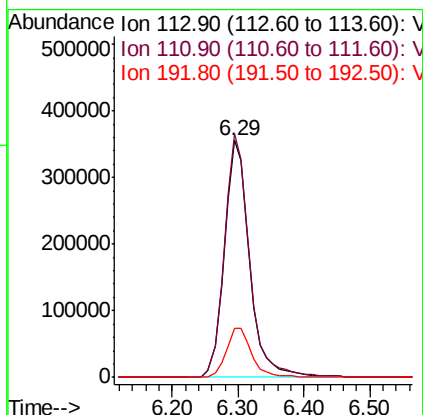
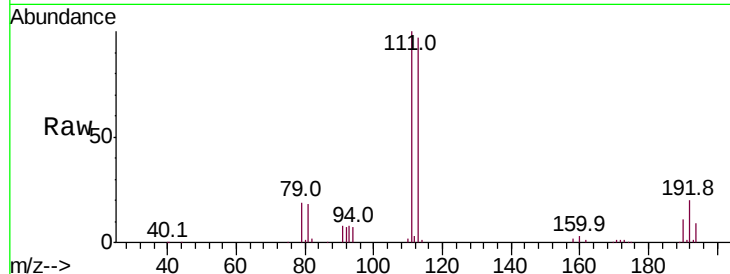




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.29 min Scan# 485
 Delta R.T. -0.01 min
 Lab File: VD060077.D
 Acq: 24 Sep 2018 12:46

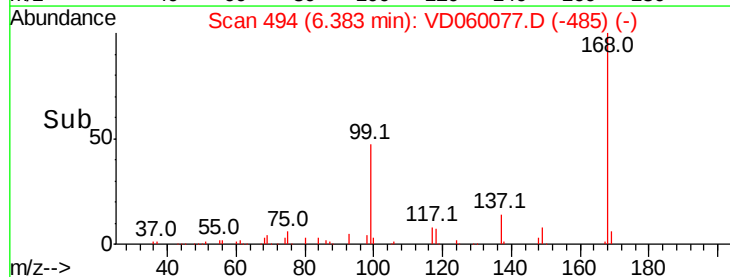
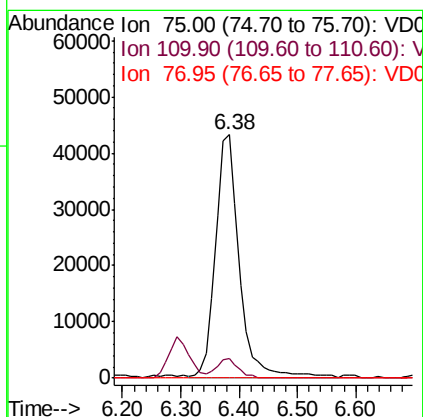
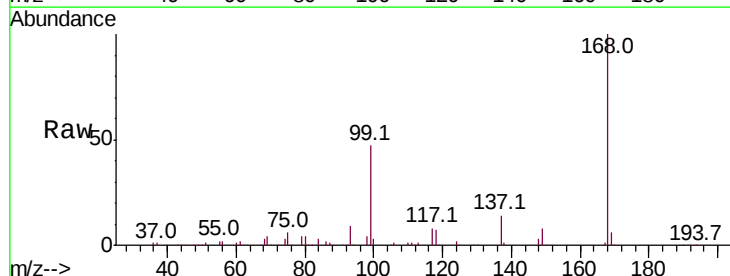
Instrument :
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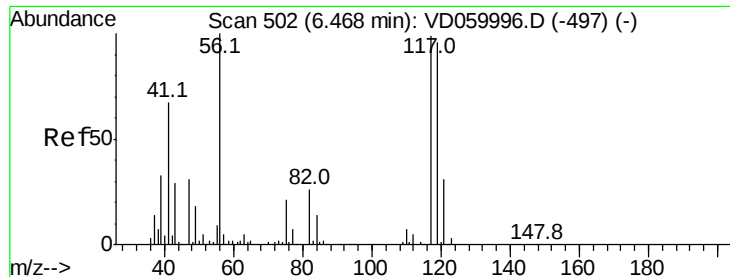
Tot Ion:113 Resp: 952519
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.3 121.9
 192 20.7 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 5.192 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. -0.11 min
 Lab File: VD060077.D
 Acq: 24 Sep 2018 12:46

Tgt Ion: 75 Resp: 123645
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.9 56.9#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.123 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.09 min

Lab File: VD060077.D

Acq: 24 Sep 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBL01

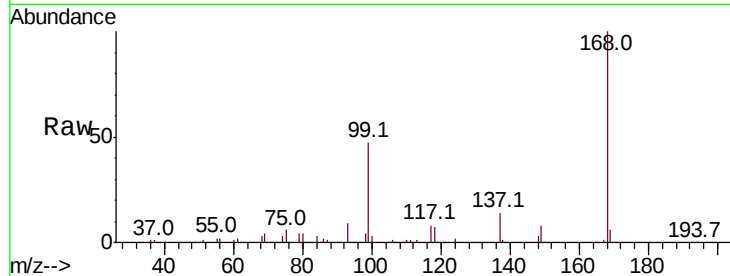
Tot Ion:117 Resp: 136108

Ion Ratio Lower Upper

117 100

119 5.0 76.7 115.1#

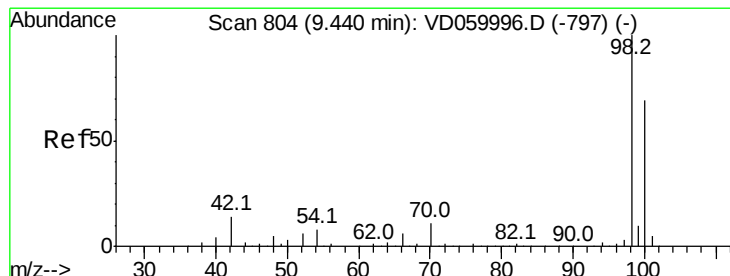
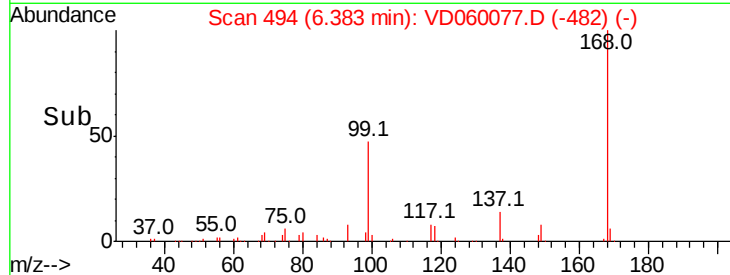
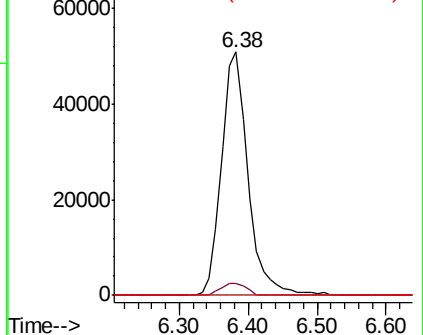
121 0.0 24.9 37.3#



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. -0.01 min

Lab File: VD060077.D

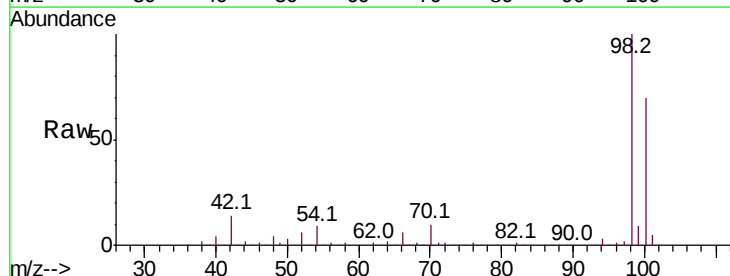
Acq: 24 Sep 2018 12:46

Tgt Ion: 98 Resp: 2694512

Ion Ratio Lower Upper

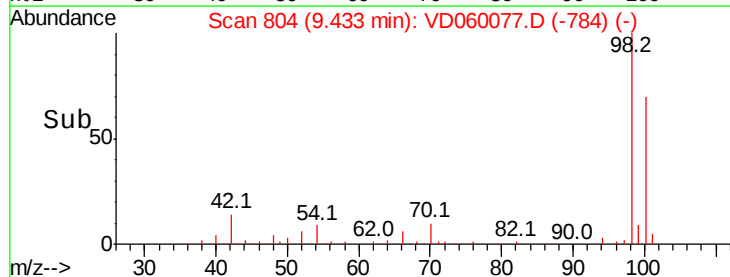
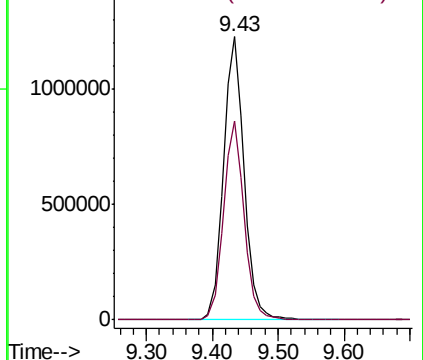
98 100

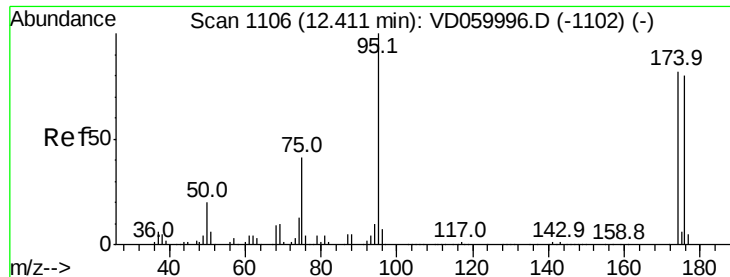
100 70.2 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

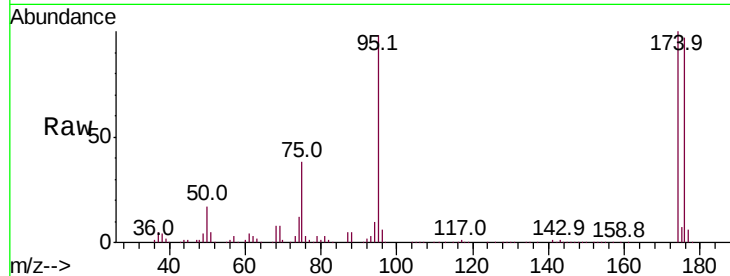




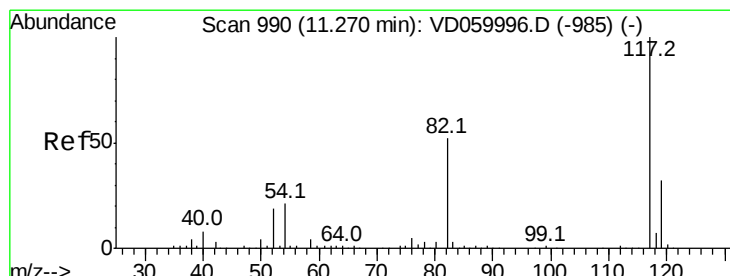
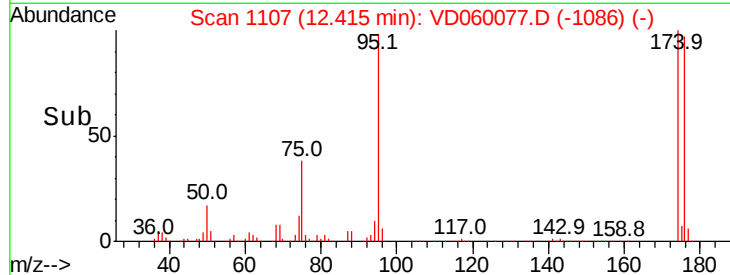
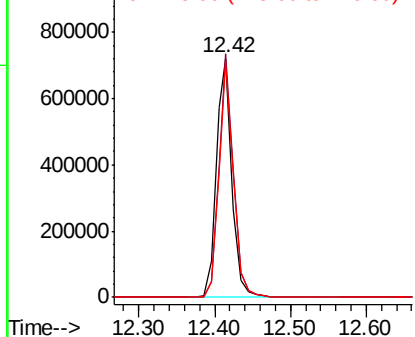
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD060077.D
Acq: 24 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBL01

Tot Ion: 95 Resp: 1041128
Ion Ratio Lower Upper
95 100
174 102.0 0.0 165.0
176 99.0 0.0 160.2

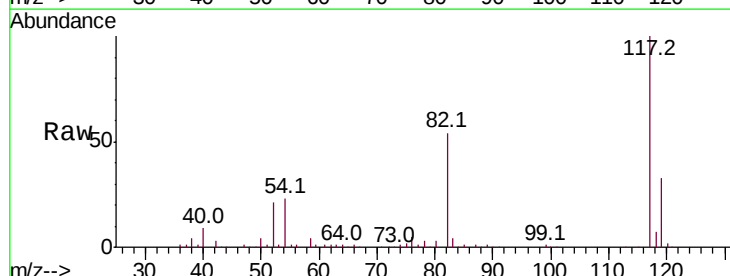


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

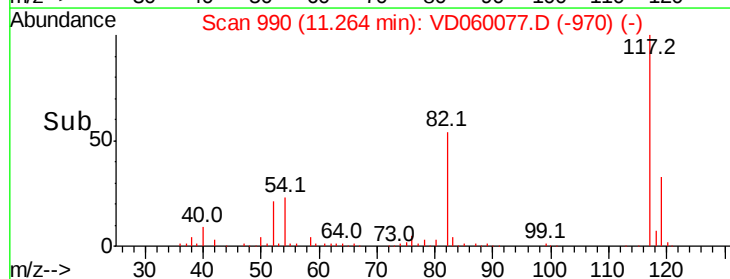
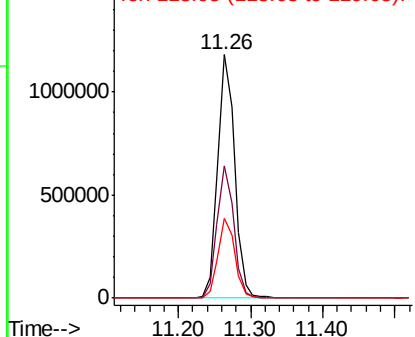


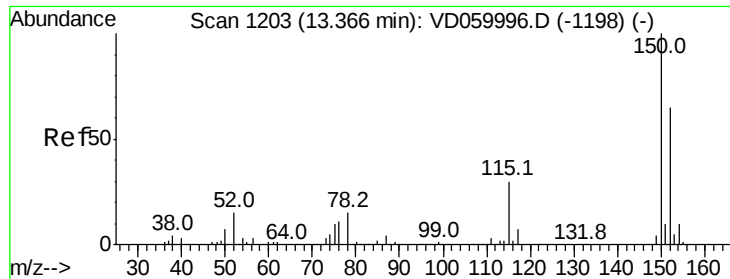
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.01 min
Lab File: VD060077.D
Acq: 24 Sep 2018 12:46

Tgt Ion: 117 Resp: 1898941
Ion Ratio Lower Upper
117 100
82 54.2 41.7 62.5
119 32.6 26.0 39.0



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



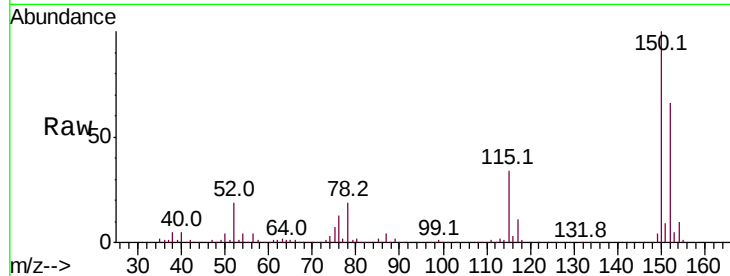


#72

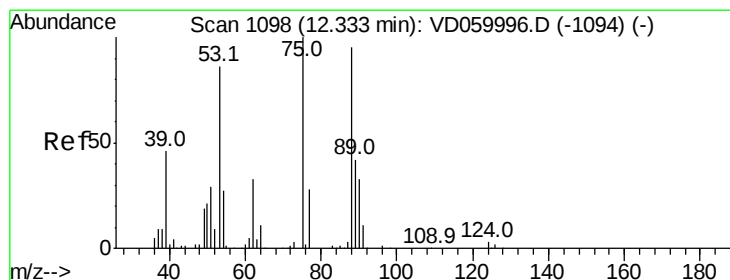
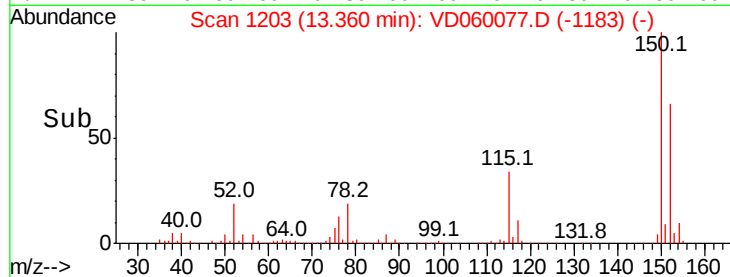
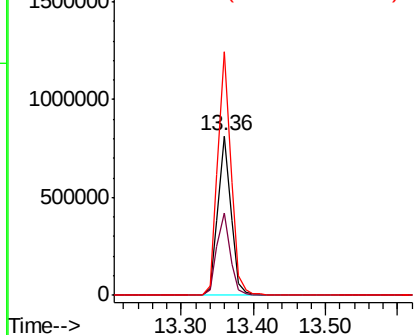
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD060077.D
Acq: 24 Sep 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBL01

Tot Ion:152 Resp: 1016946
Ion Ratio Lower Upper
152 100
115 51.7 24.6 73.8
150 152.5 0.0 313.4



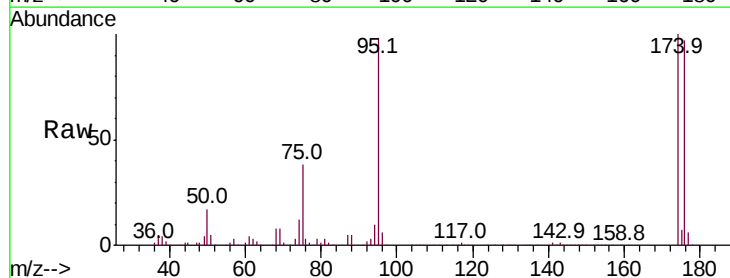
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 87.996 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.08 min
Lab File: VD060077.D
Acq: 24 Sep 2018 12:46

Tgt Ion: 75 Resp: 412564
Ion Ratio Lower Upper
75 100
53 0.0 68.4 102.6#
89 0.0 33.8 50.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

