

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102918\
 Data File : VD060228.D
 Acq On : 29 Oct 2018 14:40
 Operator : VA/AP
 Sample : VD1029SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBL01

Quant Time: Oct 29 15:19:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1576866	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.46	114	2191207	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.29	117	1722692	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.38	152	928942	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	670278	56.08	ug/l	0.04
Spiked Amount				50.000		
			Recovery	=	112.16%	
35) Dibromofluoromethane	6.33	113	893000	53.67	ug/l	0.04
Spiked Amount				50.000		
			Recovery	=	107.34%	
50) Toluene-d8	9.47	98	2432451	51.27	ug/l	0.04
Spiked Amount				50.000		
			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.44	95	954453	53.72	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	107.44%	

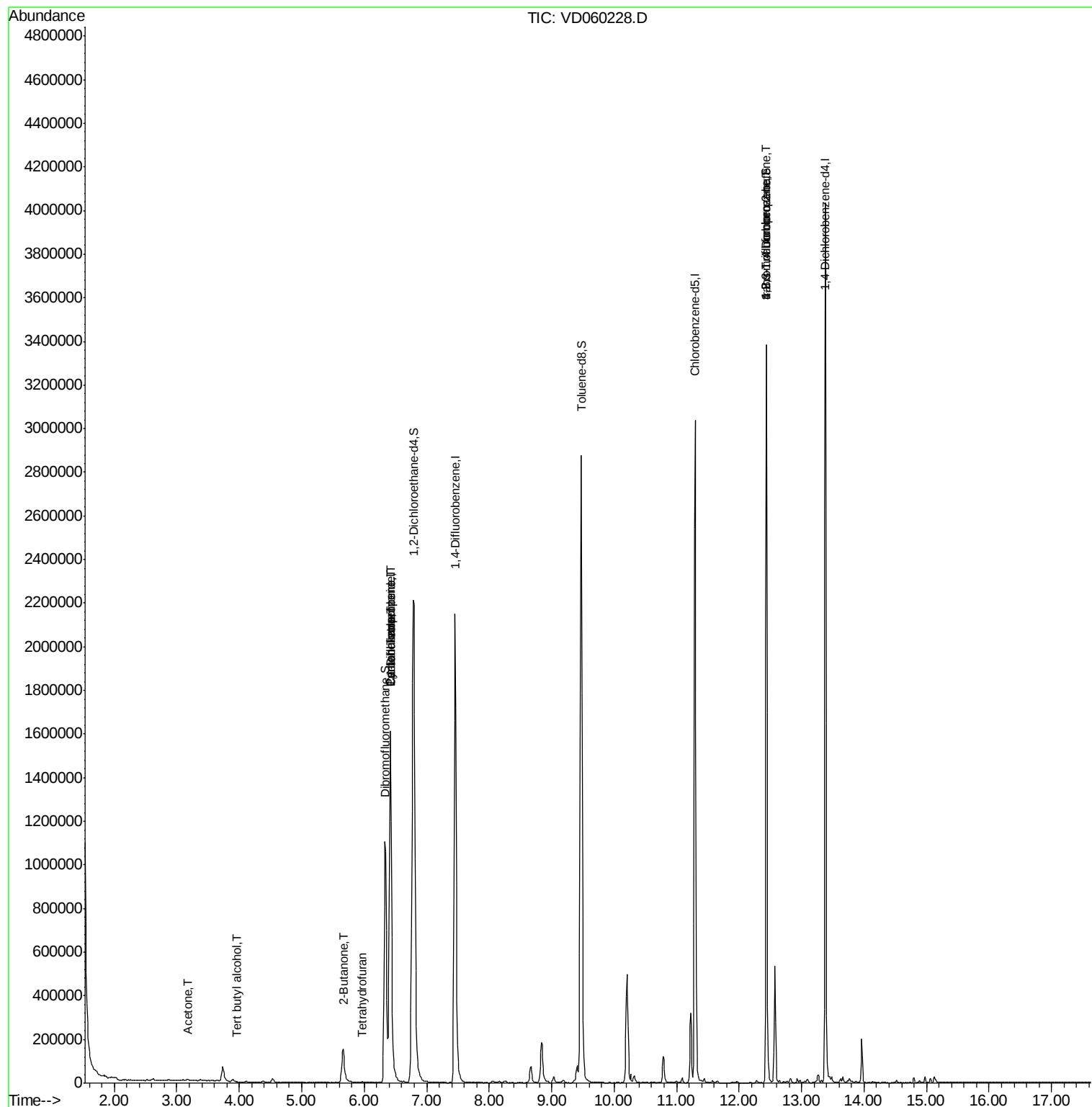
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.97	59	2227	2.598	ug/l #	74
16) Acetone	3.17	43	13414	6.185	ug/l	93
20) Methylene Chloride	3.74	84	39337	Below Cal		94
25) 2-Butanone	5.67	43	13052	2.409	ug/l #	79
29) Tetrahydrofuran	5.97	42	3547	1.127	ug/l #	57
31) Cyclohexane	6.41	56	32271	1.246	ug/l #	1
36) 1,1-Dichloropropene	6.42	75	108690	5.191	ug/l #	46
38) Carbon Tetrachloride	6.42	117	124328	6.542	ug/l #	15
76) 1,2,3-Trichloropropane	12.44	75	383687	28.681	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.44	75	386271	102.758	ug/l #	13

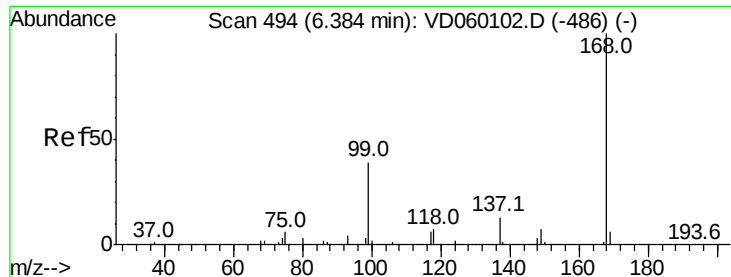
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102918\
Data File : VD060228.D
Acq On : 29 Oct 2018 14:40
Operator : VA/AP
Sample : VD1029SBL01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBL01

Quant Time: Oct 29 15:19:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.42 min Scan# 498
Delta R.T. 0.04 min
Lab File: VD060228.D
Acq: 29 Oct 2018 14:40

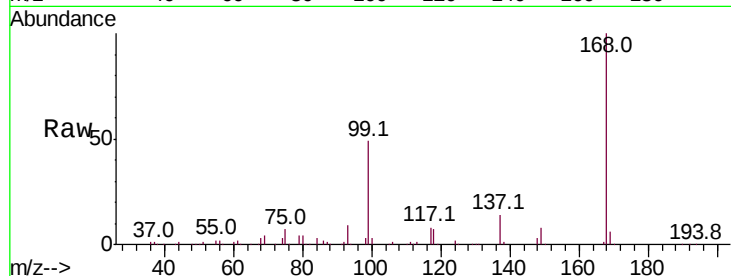
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBL01

Tot Ion:168 Resp: 1576866

Ion Ratio Lower Upper

168 100

99 49.4 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

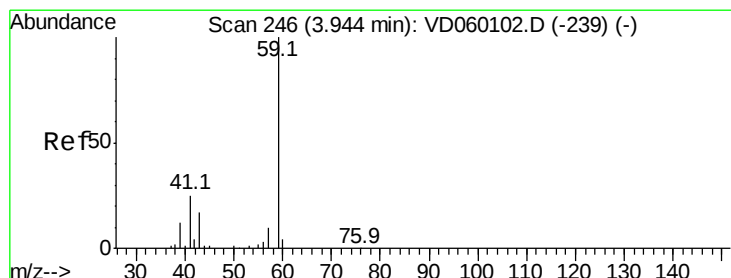
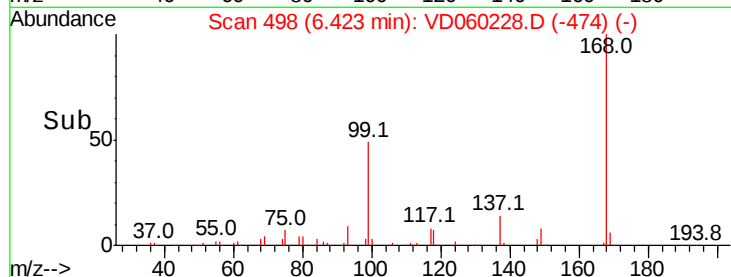
600000

400000

200000

0

Time-->



#11

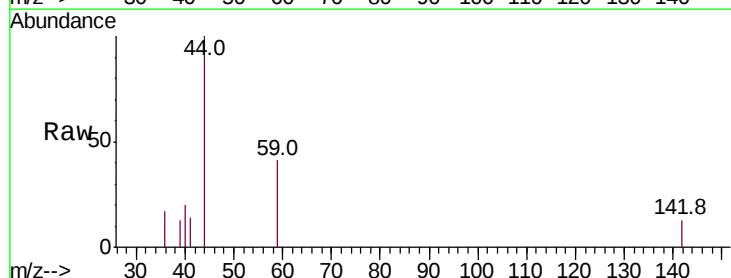
Tert butyl alcohol
Concen: 2.598 ug/l
RT: 3.97 min Scan# 249
Delta R.T. 0.03 min
Lab File: VD060228.D
Acq: 29 Oct 2018 14:40

Tgt Ion: 59 Resp: 2227

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

2500

2000

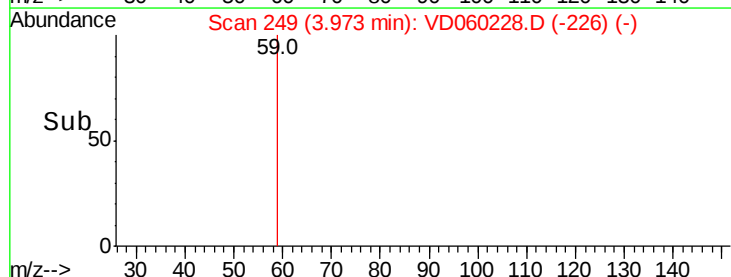
1500

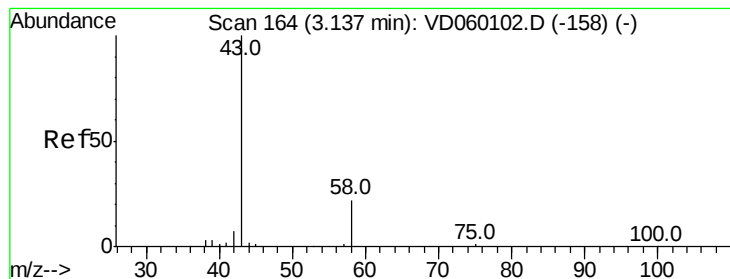
1000

500

0

Time-->





#16

Acetone

Concen: 6.185 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.03 min

Lab File: VD060228.D

Acq: 29 Oct 2018 14:40

Instrument :

MSVOA_D

ClientSampleId :

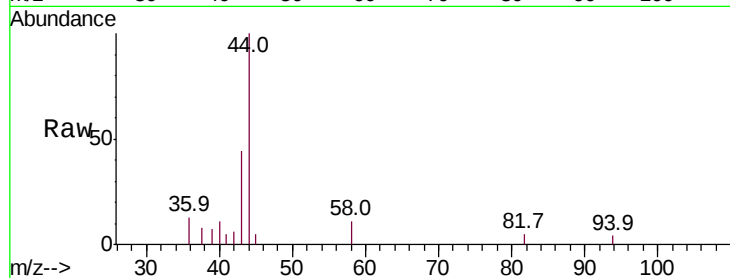
VD1029SBL01

Tot Ion: 43 Resp: 13414

Ion Ratio Lower Upper

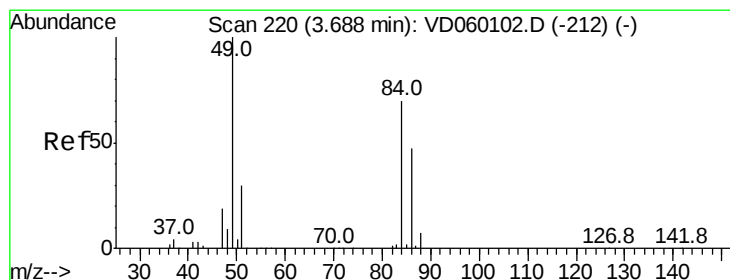
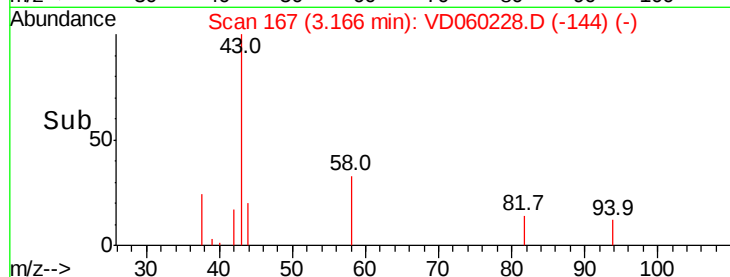
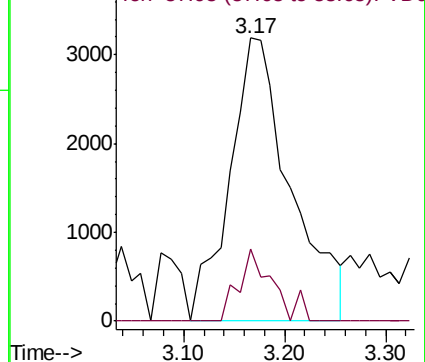
43 100

58 25.5 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.74 min Scan# 225

Delta R.T. 0.05 min

Lab File: VD060228.D

Acq: 29 Oct 2018 14:40

Tgt Ion: 84 Resp: 39337

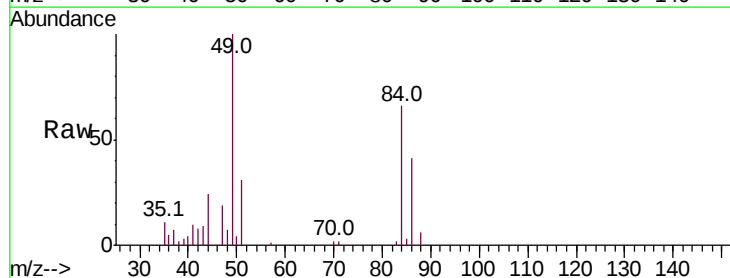
Ion Ratio Lower Upper

84 100

49 150.4 114.6 172.0

51 47.1 33.8 50.8

86 61.8 53.3 79.9

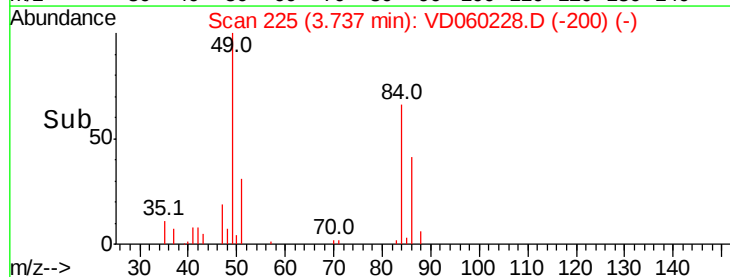
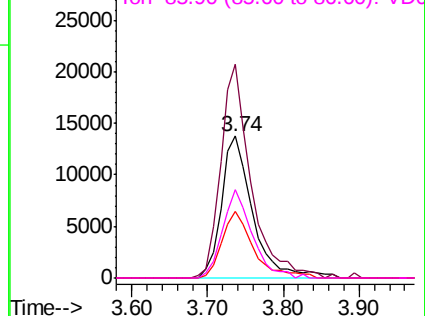


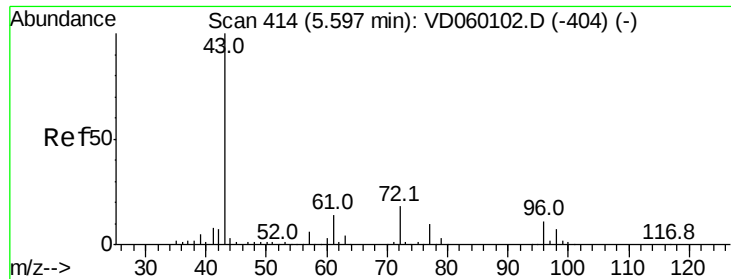
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

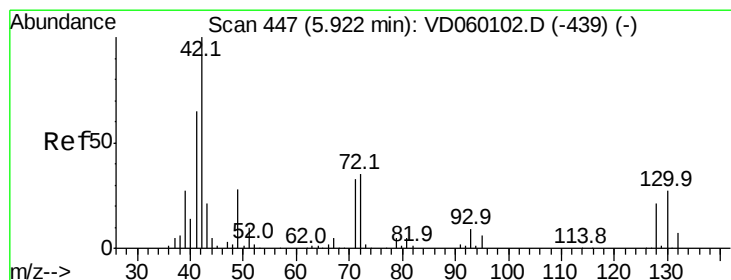
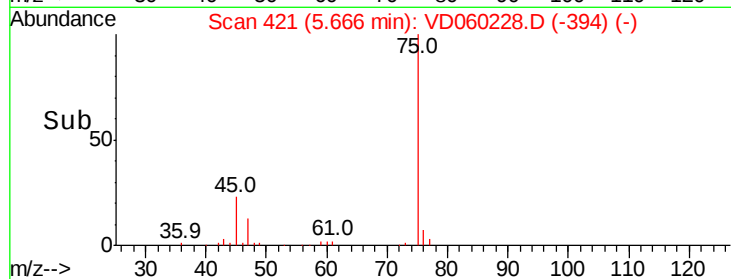
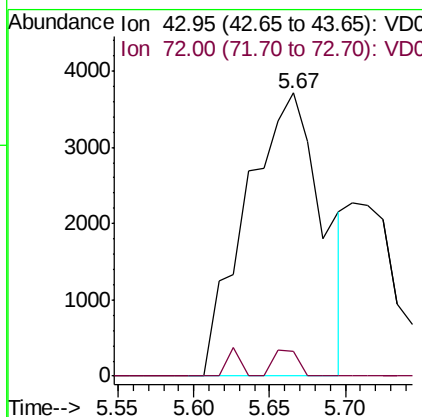
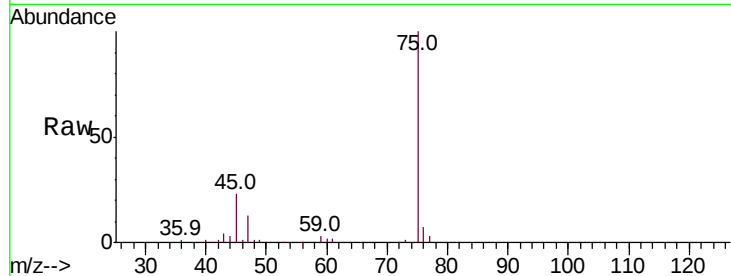




#25
2-Butanone
Concen: 2.409 ug/l
RT: 5.67 min Scan# 421
Delta R.T. 0.07 min
Lab File: VD060228.D
Acq: 29 Oct 2018 14:40

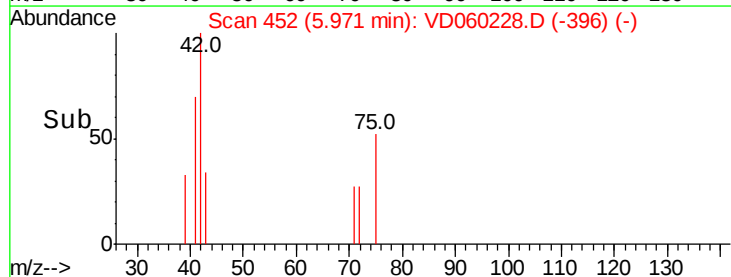
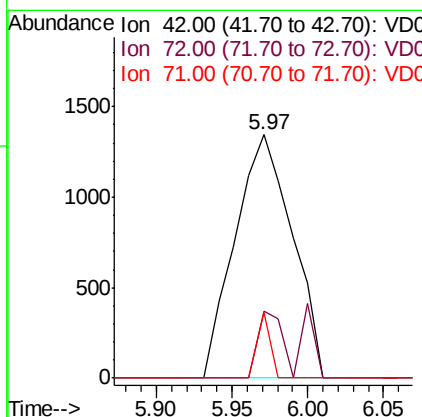
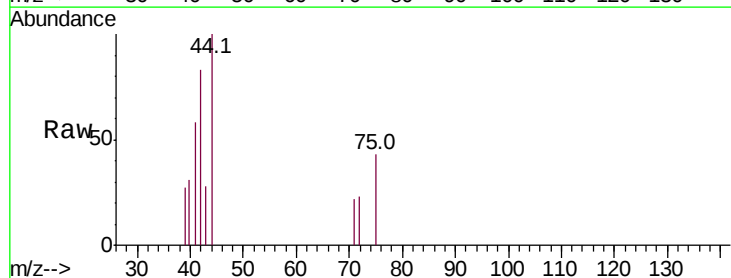
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBL01

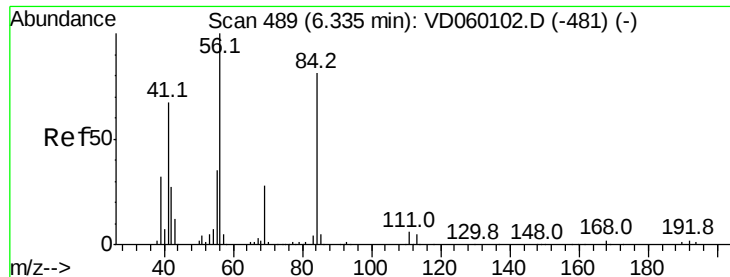
Tot Ion: 43 Resp: 13052
Ion Ratio Lower Upper
43 100
72 8.8 14.5 21.7#



#29
Tetrahydrofuran
Concen: 1.127 ug/l
RT: 5.97 min Scan# 452
Delta R.T. 0.05 min
Lab File: VD060228.D
Acq: 29 Oct 2018 14:40

Tgt Ion: 42 Resp: 3547
Ion Ratio Lower Upper
42 100
72 11.6 26.9 40.3#
71 6.1 26.7 40.1#

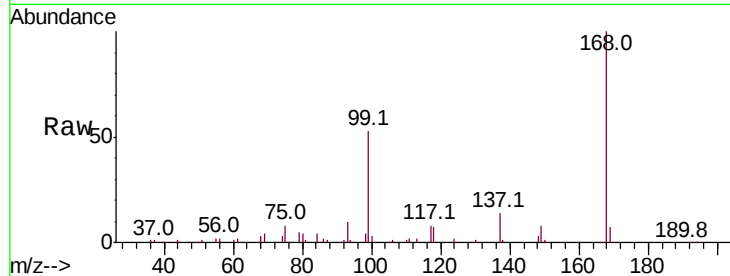




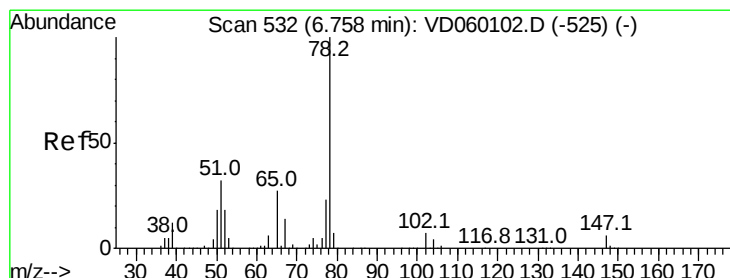
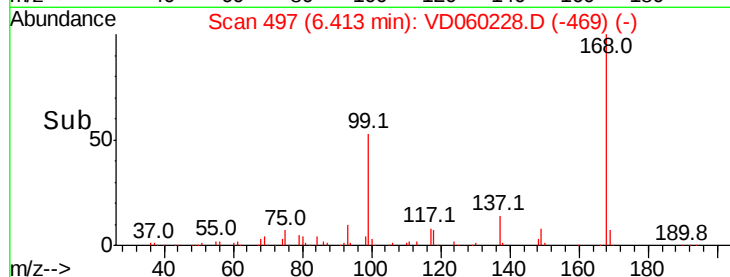
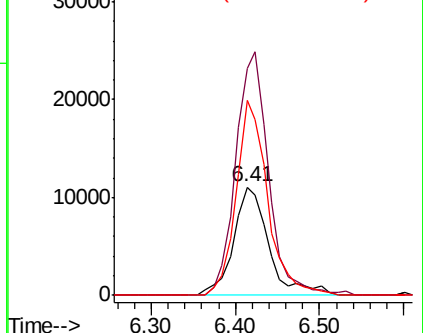
#31
Cyclohexane
Concen: 1.246 ug/l
RT: 6.41 min Scan# 497
Delta R.T. 0.08 min
Lab File: VD060228.D
Acq: 29 Oct 2018 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBL01

Tot Ion: 56 Resp: 32271
Ion Ratio Lower Upper
56 100
69 209.7 22.8 34.2#
84 179.6 64.9 97.3#

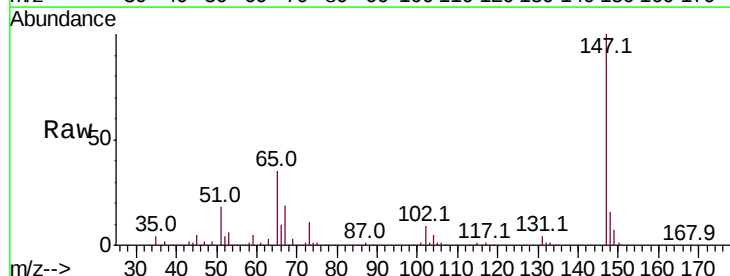


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

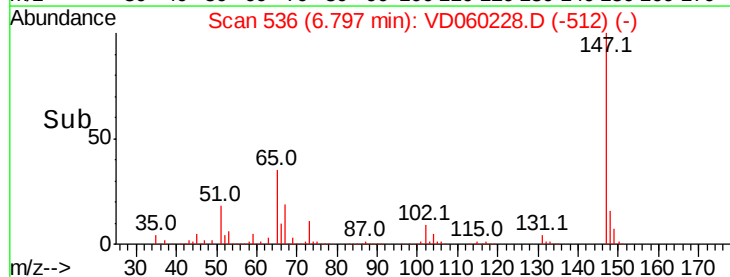
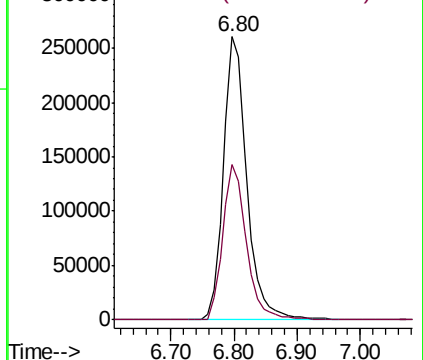


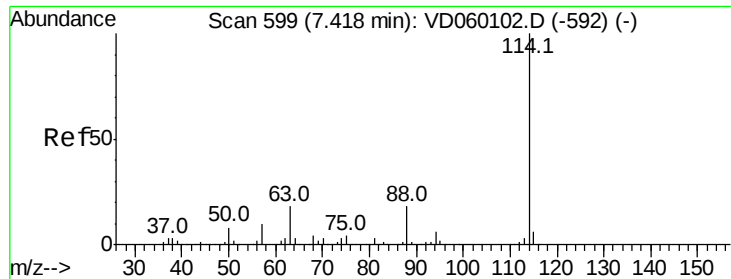
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.04 min
Lab File: VD060228.D
Acq: 29 Oct 2018 14:40

Tgt Ion: 65 Resp: 670278
Ion Ratio Lower Upper
65 100
67 54.8 0.0 106.2



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: 7.46 min Scan# 603

Delta R.T. 0.04 min

Lab File: VD060228.D

Acq: 29 Oct 2018 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBL01

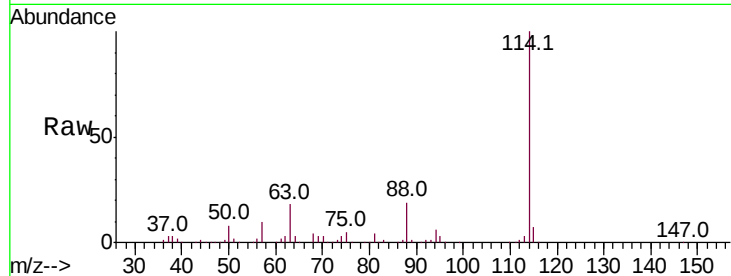
Tot Ion:114 Resp: 2191207

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.0

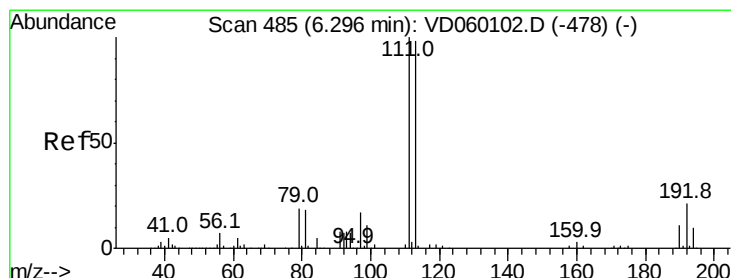
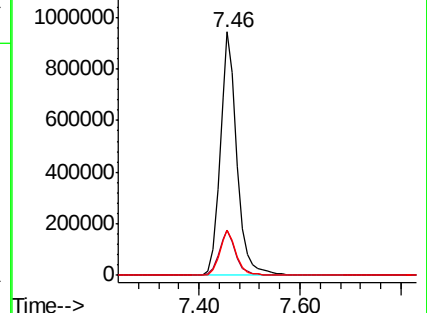
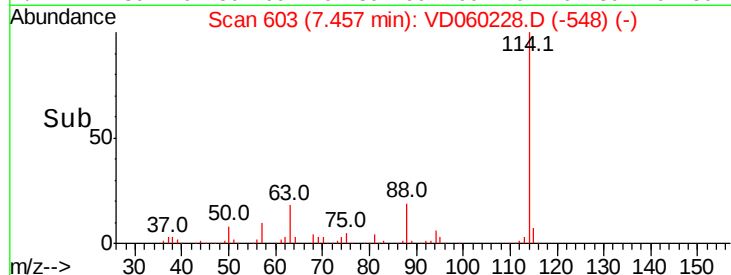
88 18.6 0.0 36.2



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: 6.33 min Scan# 489

Delta R.T. 0.04 min

Lab File: VD060228.D

Acq: 29 Oct 2018 14:40

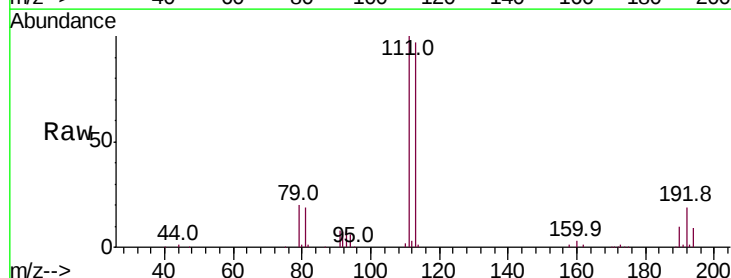
Tgt Ion:113 Resp: 893000

Ion Ratio Lower Upper

113 100

111 103.0 81.5 122.3

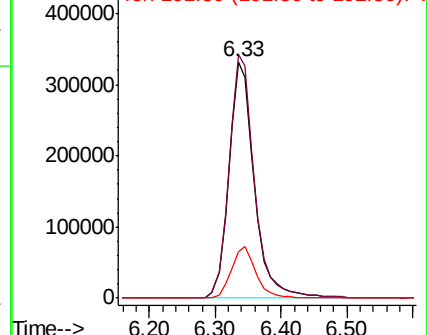
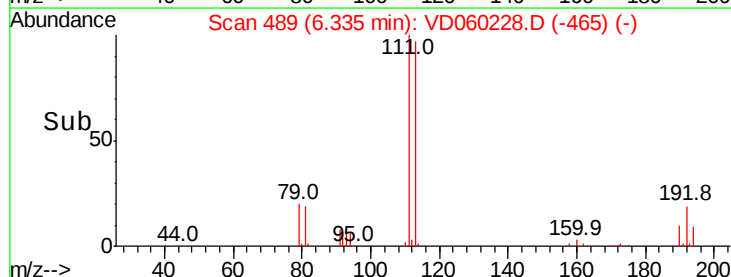
192 19.9 17.4 26.0

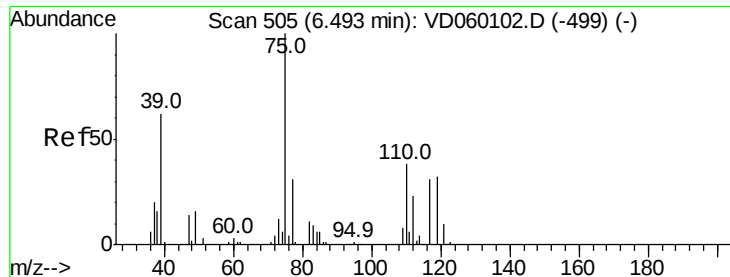


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.191 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.07 min

Lab File: VD060228.D

Acq: 29 Oct 2018 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBL01

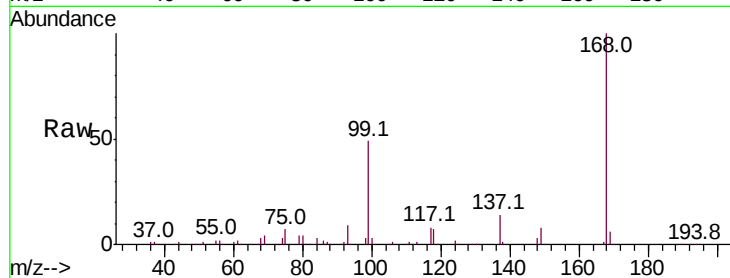
Tot Ion: 75 Resp: 108690

Ion Ratio Lower Upper

75 100

110 6.3 19.0 57.0#

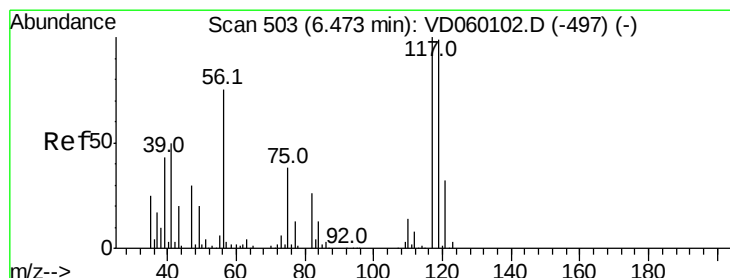
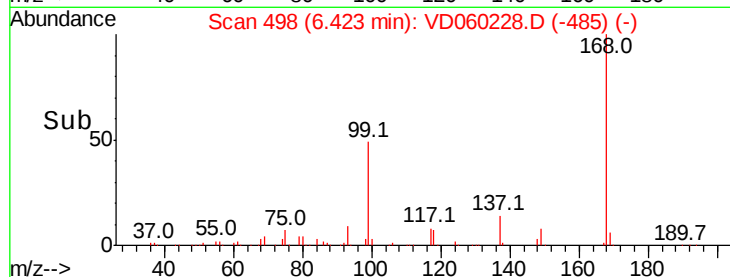
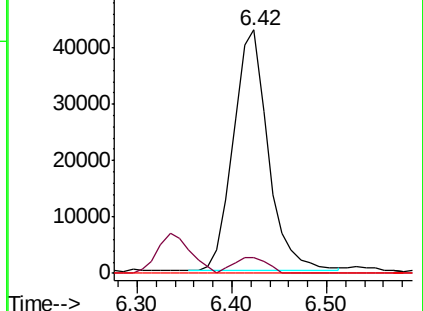
77 0.0 24.9 37.3#



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



#38

Carbon Tetrachloride

Concen: 6.542 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.05 min

Lab File: VD060228.D

Acq: 29 Oct 2018 14:40

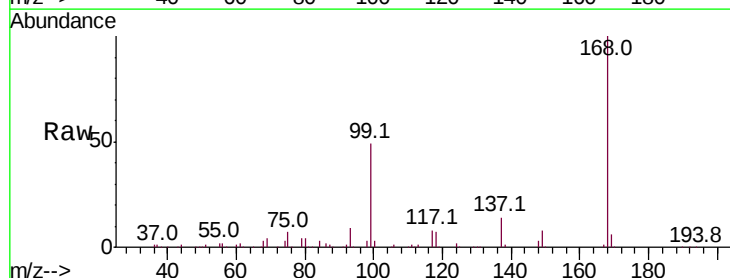
Tgt Ion: 117 Resp: 124328

Ion Ratio Lower Upper

117 100

119 4.6 77.8 116.6#

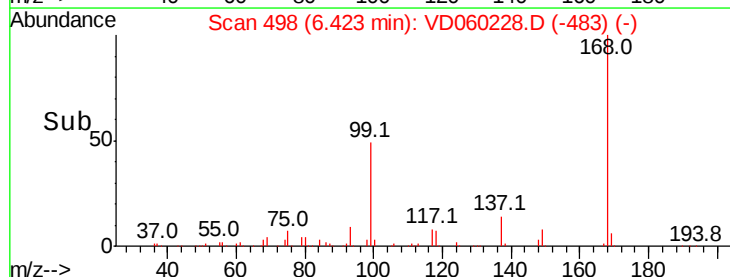
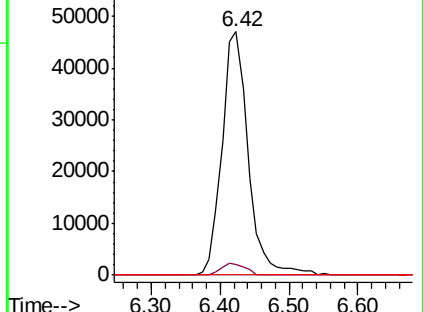
121 0.0 24.8 37.2#

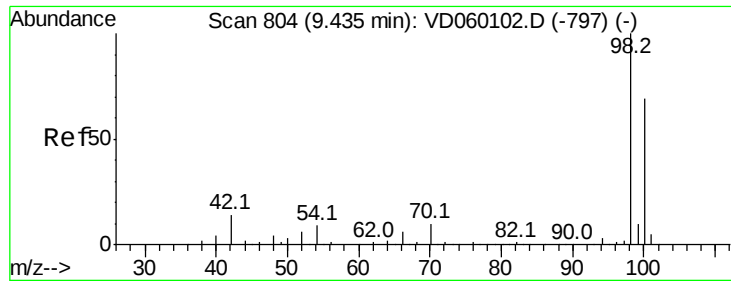


Abundance Ion 116.85 (116.55 to 117.55): V

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: 9.47 min Scan# 808

Delta R.T. 0.04 min

Lab File: VD060228.D

Acq: 29 Oct 2018 14:40

Instrument :

MSVOA_D

ClientSampleId :

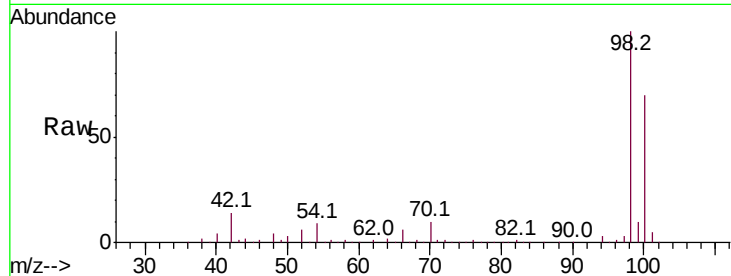
VD1029SBL01

Tot Ion: 98 Resp: 2432451

Ion Ratio Lower Upper

98 100

100 69.5 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VD060102.D (-797) (-)

Ion 100.05 (99.75 to 100.75): VD060102.D (-797) (-)

9.47

1200000

1000000

800000

600000

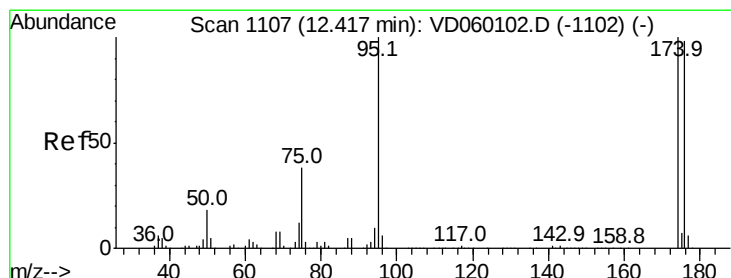
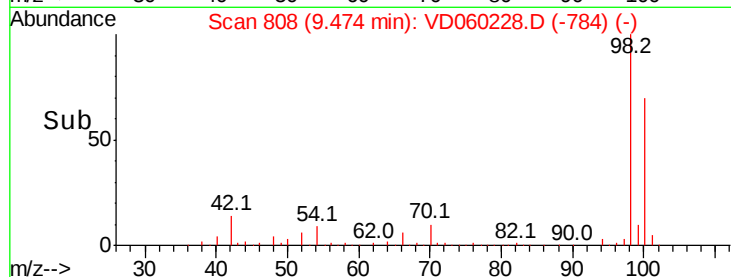
400000

200000

0

Time-->

9.30 9.40 9.50 9.60



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VD060228.D

Acq: 29 Oct 2018 14:40

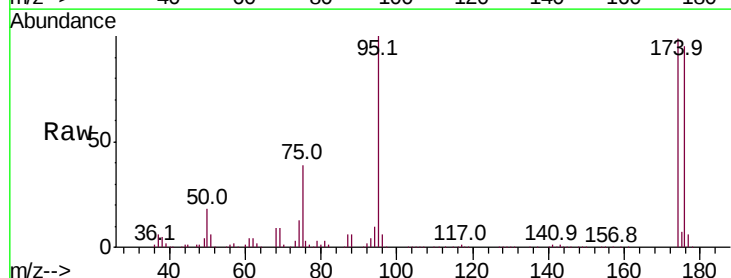
Tgt Ion: 95 Resp: 954453

Ion Ratio Lower Upper

95 100

174 99.2 0.0 200.2

176 95.2 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): VD060102.D (-1102) (-)

Ion 173.90 (173.60 to 174.60): VD060102.D (-1102) (-)

Ion 175.90 (175.60 to 176.60): VD060102.D (-1102) (-)

12.44

800000

600000

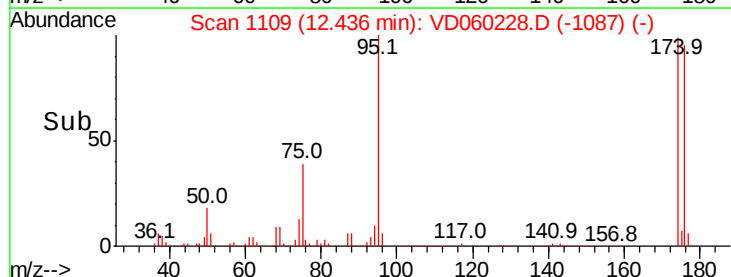
400000

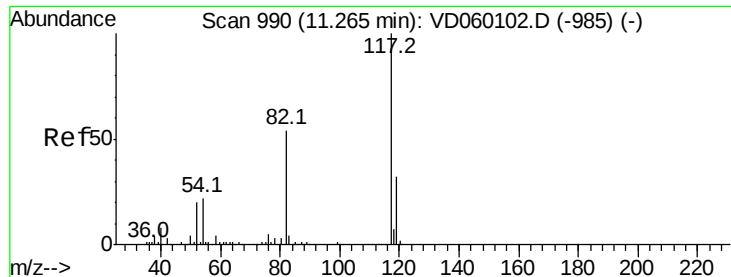
200000

0

Time-->

12.40 12.60

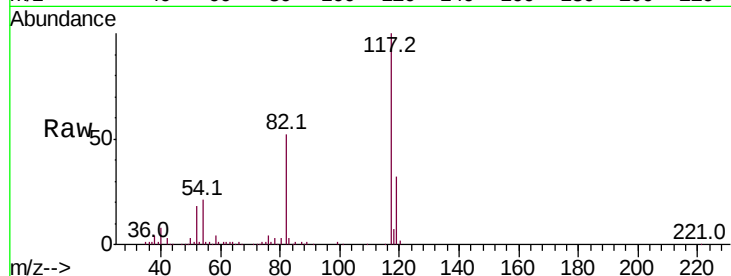




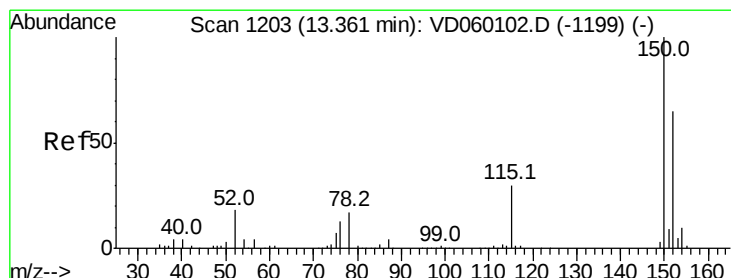
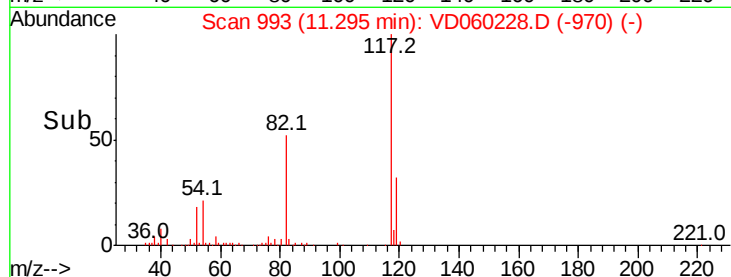
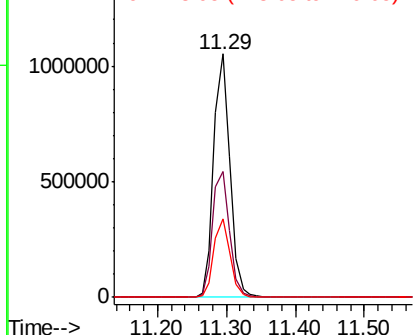
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. 0.03 min
Lab File: VD060228.D
Acq: 29 Oct 2018 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBL01

Tot Ion:117 Resp: 1722692
Ion Ratio Lower Upper
117 100
82 51.8 43.4 65.2
119 32.2 26.0 39.0

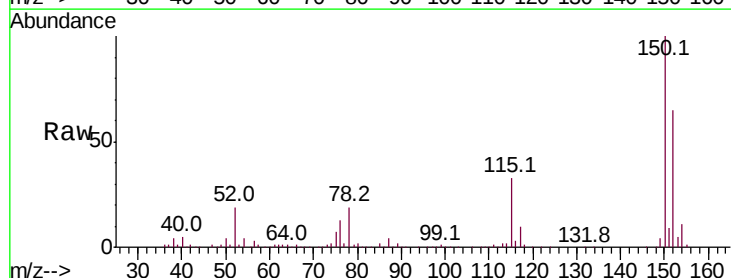


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

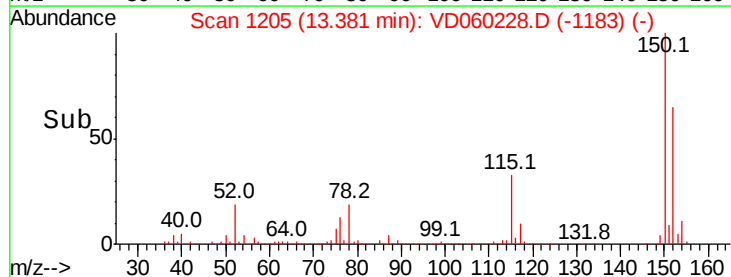
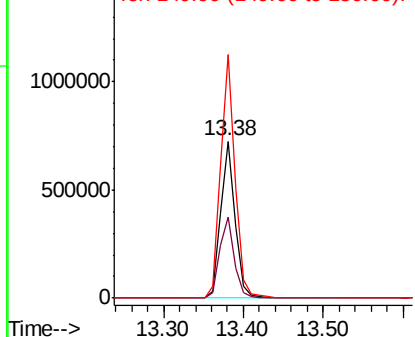


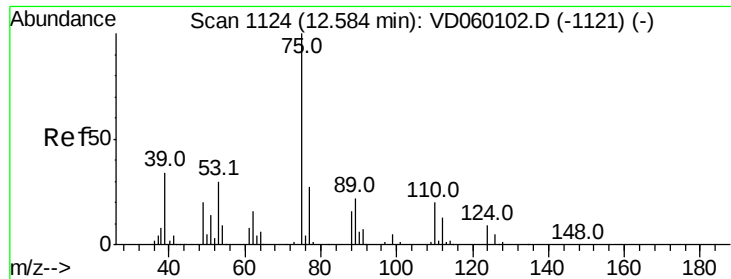
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.02 min
Lab File: VD060228.D
Acq: 29 Oct 2018 14:40

Tgt Ion:152 Resp: 928942
Ion Ratio Lower Upper
152 100
115 51.2 27.1 81.2
150 154.9 0.0 311.8



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





#76

1,2,3-Trichloropropane

Concen: 28.681 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.15 min

Lab File: VD060228.D

Acq: 29 Oct 2018 14:40

Instrument :

MSVOA_D

ClientSampleId :

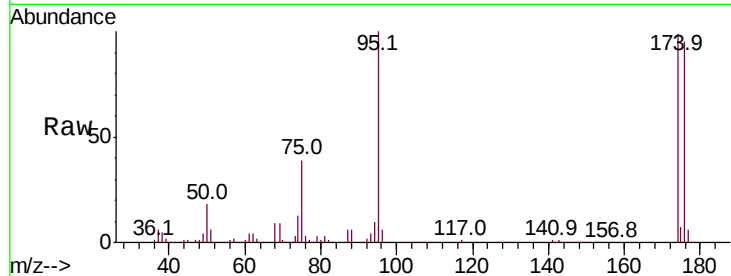
VD1029SBL01

Tot Ion: 75 Resp: 383687

Ion Ratio Lower Upper

75 100

77 1.5 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.44

250000

200000

150000

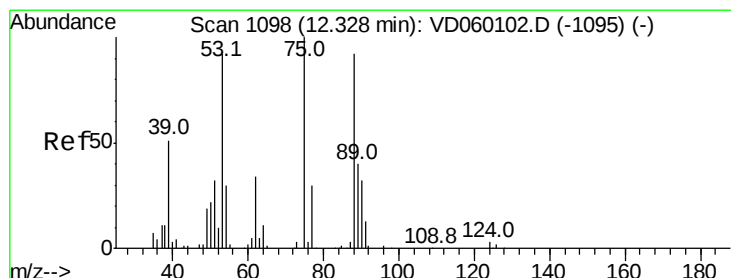
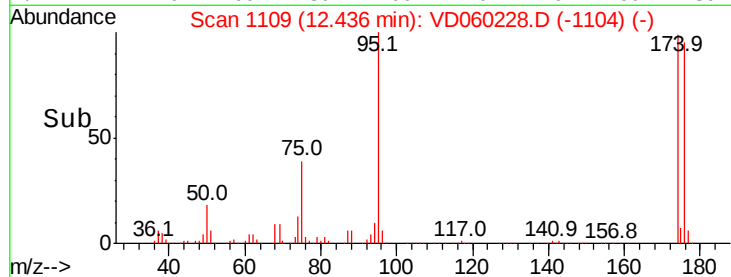
100000

50000

0

Time-->

12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 102.758 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.11 min

Lab File: VD060228.D

Acq: 29 Oct 2018 14:40

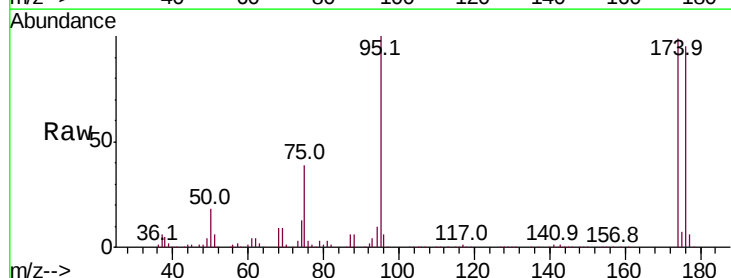
Tgt Ion: 75 Resp: 386271

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#



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

12.44

300000

200000

100000

0

Time-->

12.35 12.40 12.45 12.50

