

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121918\
 Data File : VD060637.D
 Acq On : 19 Dec 2018 13:42
 Operator : VA/AP
 Sample : J6196-11
 Misc : 6.95G/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 00:29:38 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	6.41	168	1688900	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2374771	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1893371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	811609	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	509001	42.52	ug/l	-0.01
Spiked Amount			Recovery	=	85.04%	
35) Dibromofluoromethane	6.33	113	696090	39.91	ug/l	0.00
Spiked Amount			Recovery	=	79.82%	
50) Toluene-d8	9.46	98	1877052	37.19	ug/l	0.00
Spiked Amount			Recovery	=	74.38%	
62) 4-Bromofluorobenzene	12.42	95	636390	35.23	ug/l	-0.01
Spiked Amount			Recovery	=	70.46%	

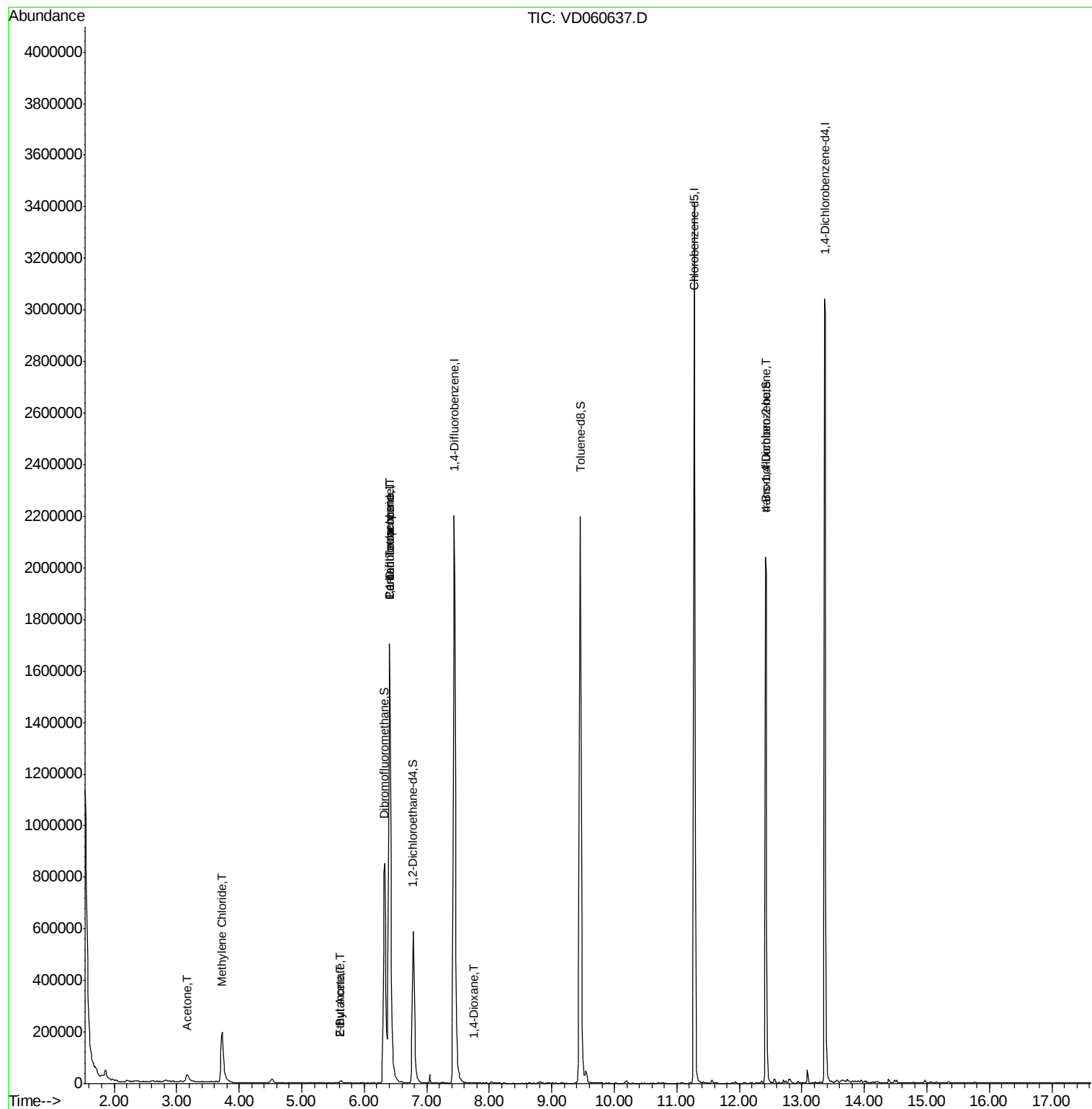
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	593	Below Cal	#	41
16) Acetone	3.18	43	72205	37.630	ug/l	91
20) Methylene Chloride	3.73	84	136791	3.615	ug/l	98
25) 2-Butanone	5.62	43	18651	4.941	ug/l #	90
31) Cyclohexane	6.41	56	33312	Below Cal	#	1
36) 1,1-Dichloropropene	6.41	75	120670	5.198	ug/l #	47
37) Ethyl Acetate	5.62	43	18651	1.853	ug/l #	68
38) Carbon Tetrachloride	6.41	117	128325	6.158	ug/l #	15
49) 1,4-Dioxane	7.75	88	239	3.586	ug/l #	26
81) trans-1,4-Dichloro-2-buten	12.42	75	261728	102.046	ug/l #	14
89) n-Butylbenzene	13.65	91	2408	Below Cal	#	68

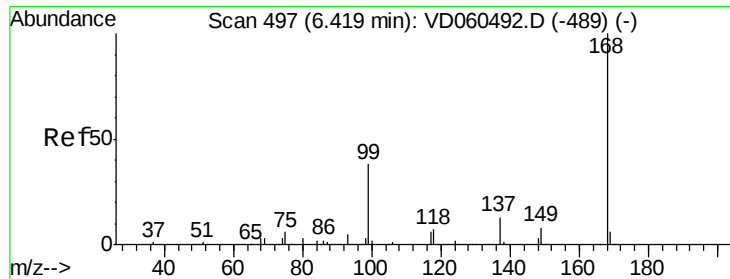
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121918\
Data File : VD060637.D
Acq On : 19 Dec 2018 13:42
Operator : VA/AP
Sample : J6196-11
Misc : 6.95G/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 20 00:29:38 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



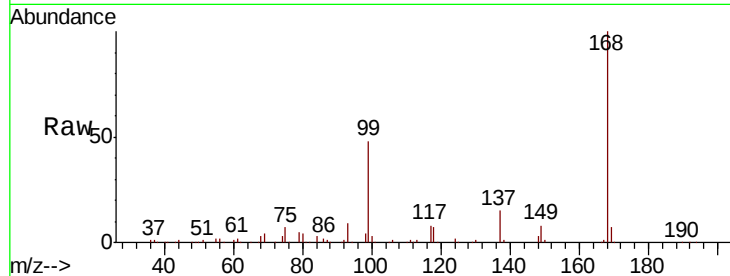


#1

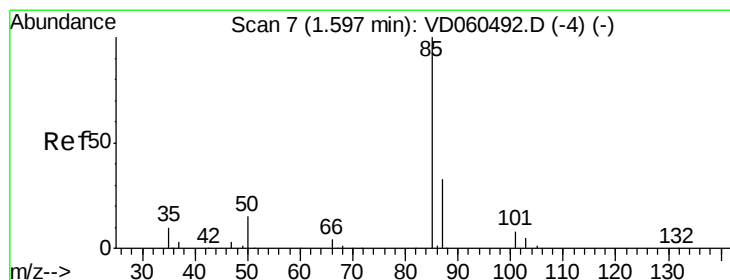
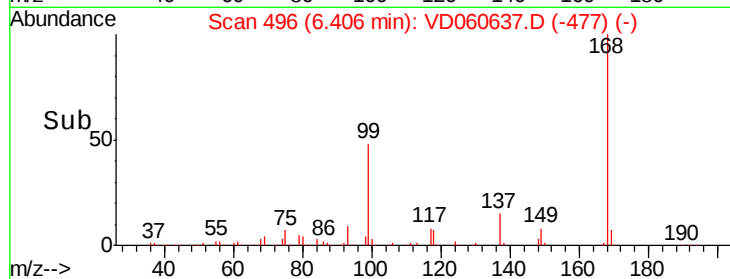
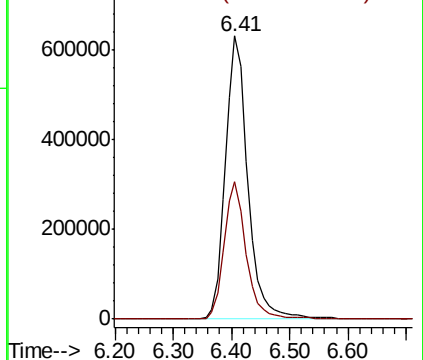
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.01 min
 Lab File: VD060637.D
 Acq: 19 Dec 2018 13:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:168 Resp: 1688900
 Ion Ratio Lower Upper
 168 100
 99 48.4 35.6 53.4



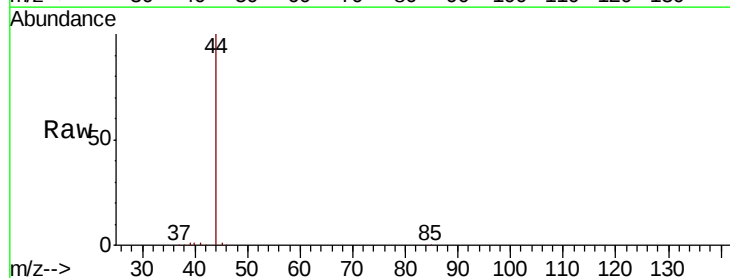
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): V



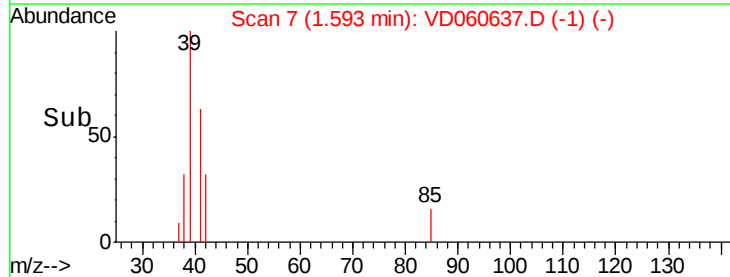
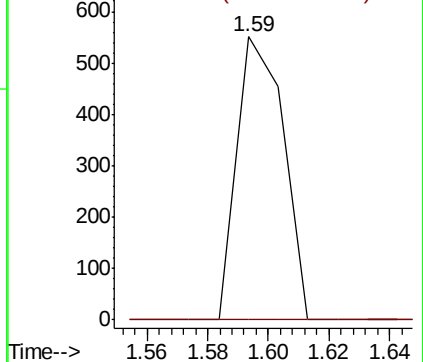
#2

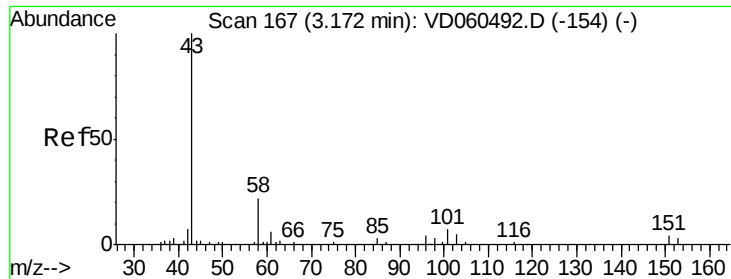
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.59 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VD060637.D
 Acq: 19 Dec 2018 13:42

Tgt Ion: 85 Resp: 593
 Ion Ratio Lower Upper
 85 100
 87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): V
 Ion 86.90 (86.60 to 87.60): V

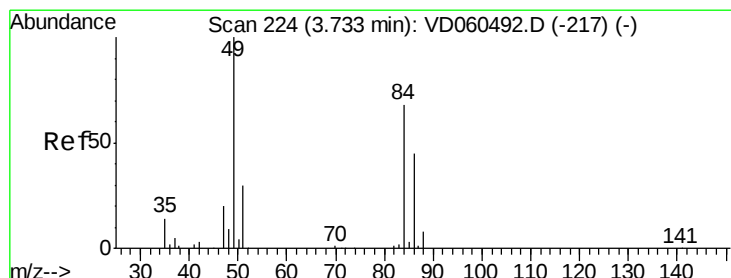
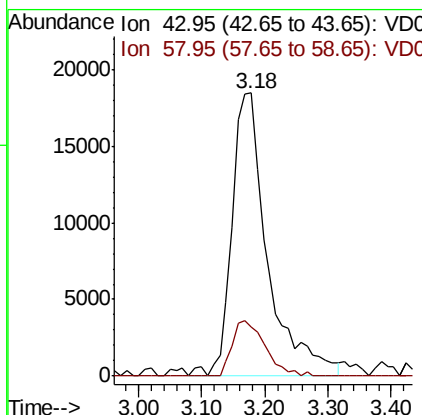
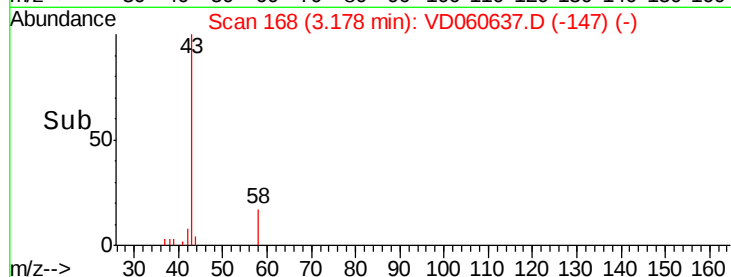
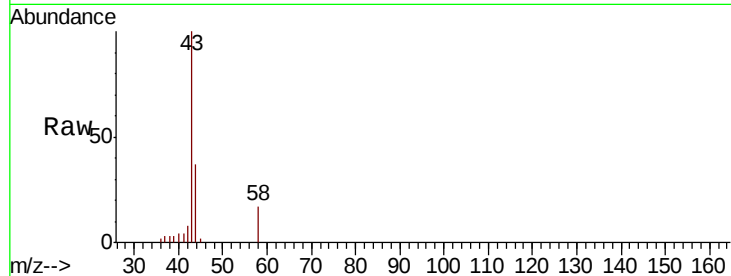




#16
Acetone
Concen: 37.630 ug/l
RT: 3.18 min Scan# 168
Delta R.T. 0.01 min
Lab File: VD060637.D
Acq: 19 Dec 2018 13:42

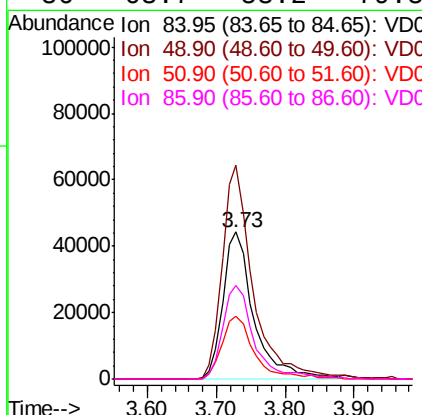
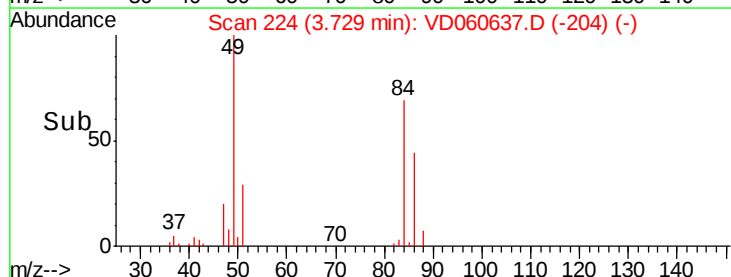
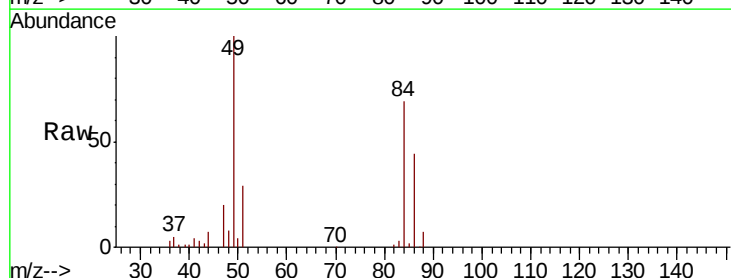
Instrument :
MSVOA_D
ClientSampleId :

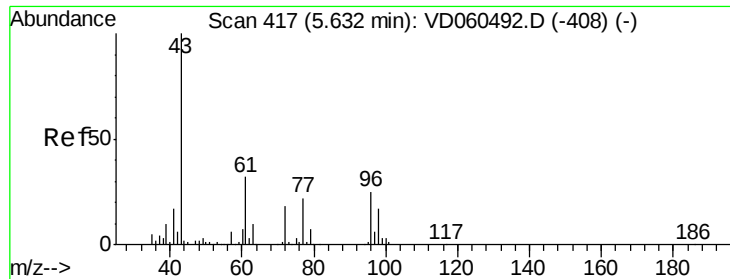
Tot Ion: 43 Resp: 72205
Ion Ratio Lower Upper
43 100
58 17.4 17.3 25.9



#20
Methylene Chloride
Concen: 3.615 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060637.D
Acq: 19 Dec 2018 13:42

Tgt Ion: 84 Resp: 136791
Ion Ratio Lower Upper
84 100
49 145.4 117.2 175.8
51 42.7 35.3 52.9
86 63.7 53.2 79.8





#25

2-Butanone

Concen: 4.941 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.01 min

Lab File: VD060637.D

Acq: 19 Dec 2018 13:42

Instrument :

MSVOA_D

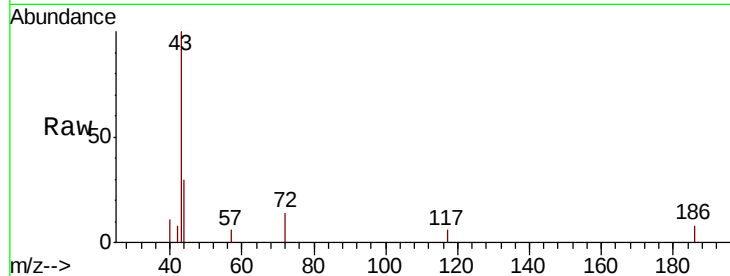
ClientSampleId :

Tot Ion: 43 Resp: 18651

Ion Ratio Lower Upper

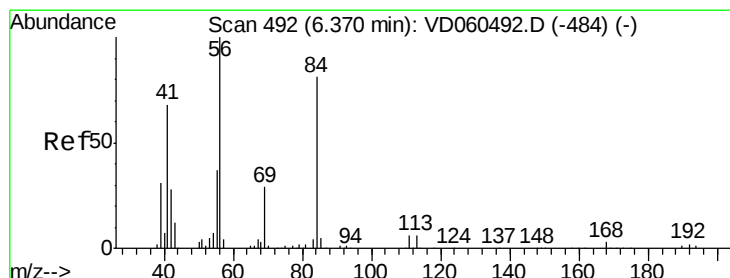
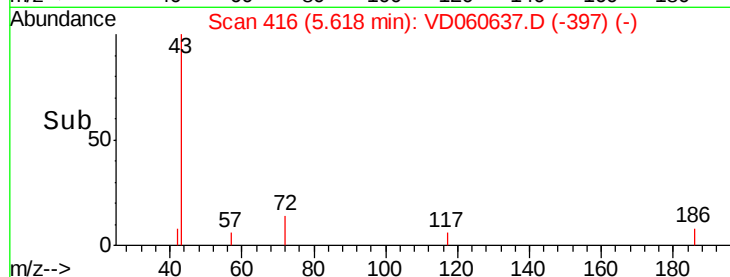
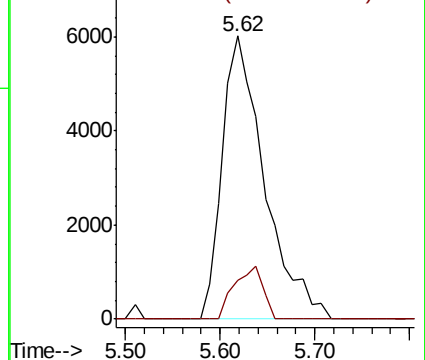
43 100

72 13.7 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 6.41 min Scan# 496

Delta R.T. 0.04 min

Lab File: VD060637.D

Acq: 19 Dec 2018 13:42

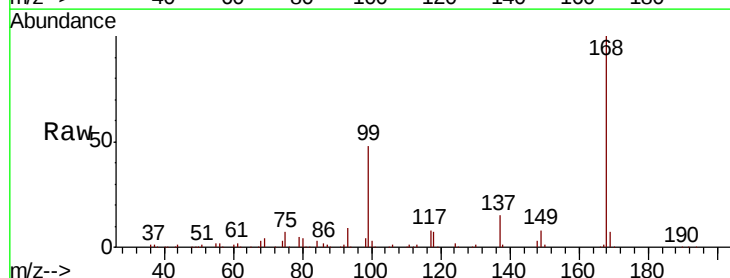
Tgt Ion: 56 Resp: 33312

Ion Ratio Lower Upper

56 100

69 235.9 22.8 34.2#

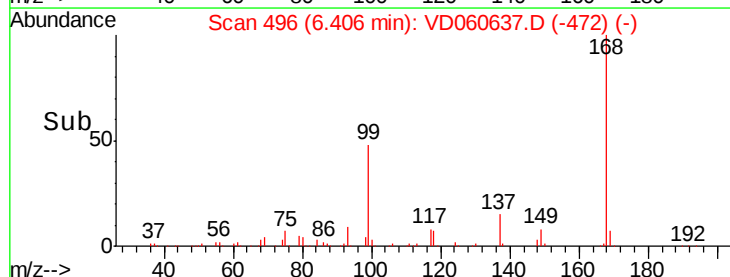
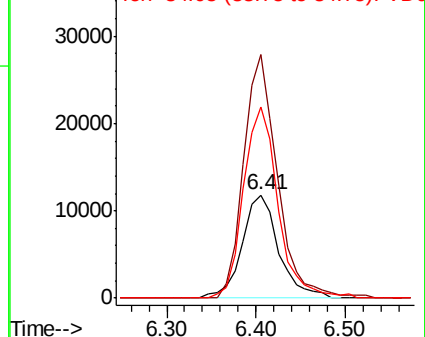
84 185.2 65.1 97.7#

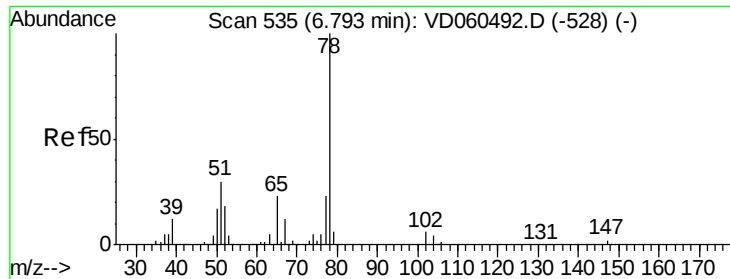


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

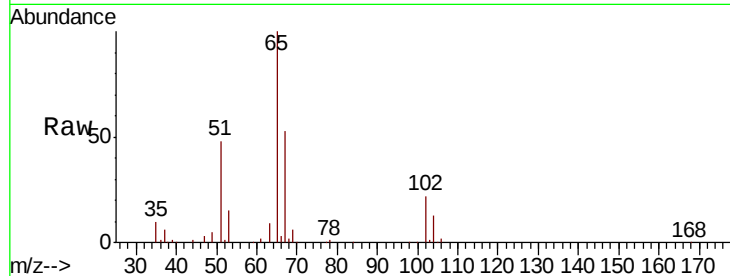




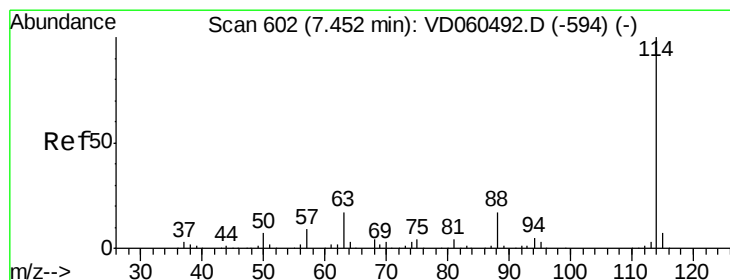
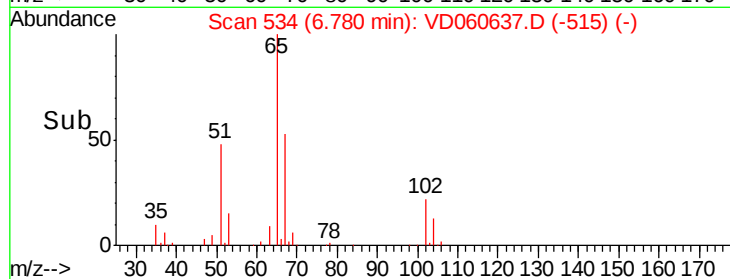
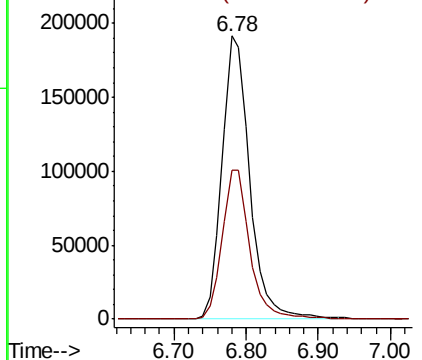
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VD060637.D
 Acq: 19 Dec 2018 13:42

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 65 Resp: 509001
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.8

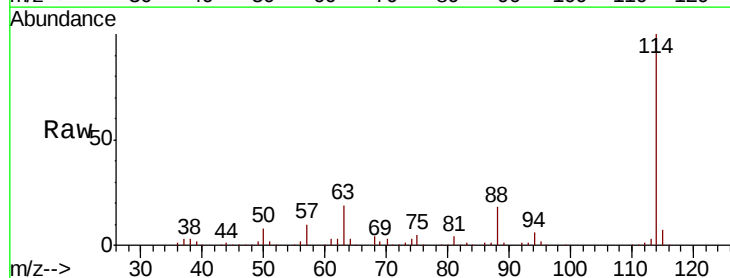


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

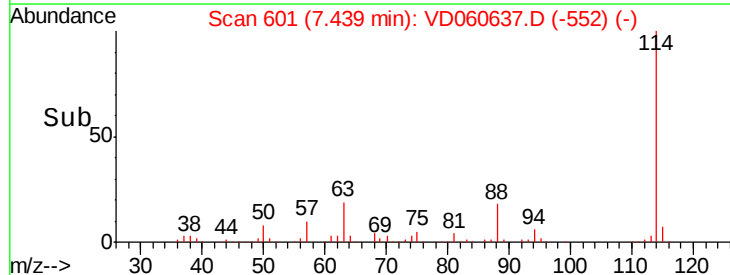
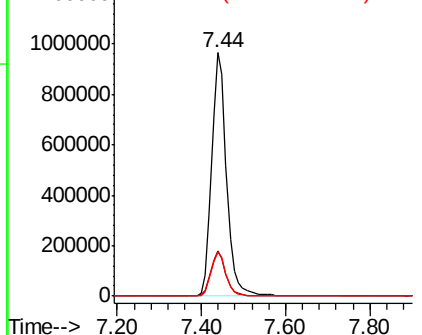


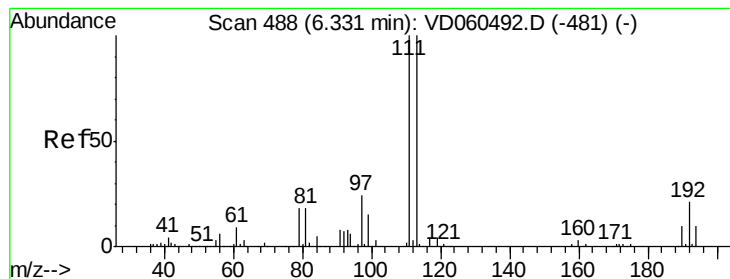
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VD060637.D
 Acq: 19 Dec 2018 13:42

Tgt Ion: 114 Resp: 2374771
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 34.2
 88 18.1 0.0 35.0



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





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. -0.00 min

Lab File: VD060637.D

Acq: 19 Dec 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :

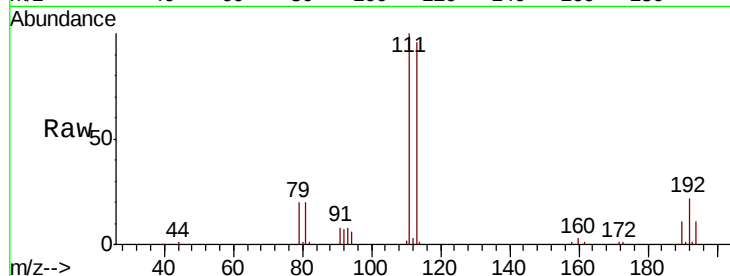
Tot Ion:113 Resp: 696090

Ion Ratio Lower Upper

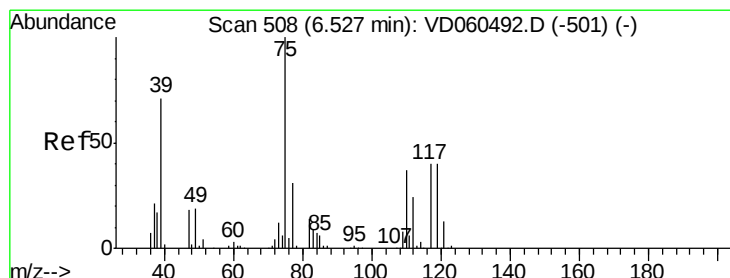
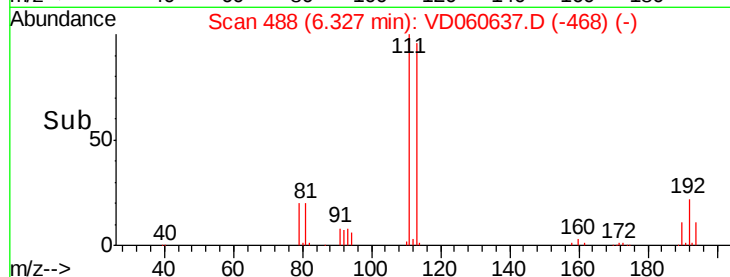
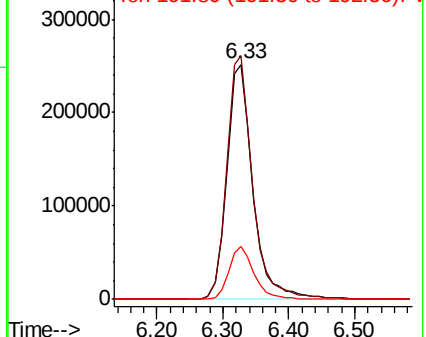
113 100

111 103.7 80.2 120.4

192 22.7 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: 5.198 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.12 min

Lab File: VD060637.D

Acq: 19 Dec 2018 13:42

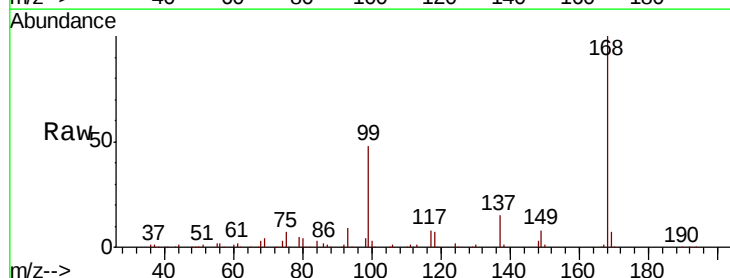
Tgt Ion: 75 Resp: 120670

Ion Ratio Lower Upper

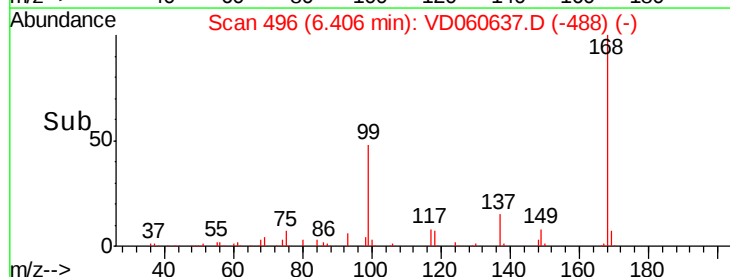
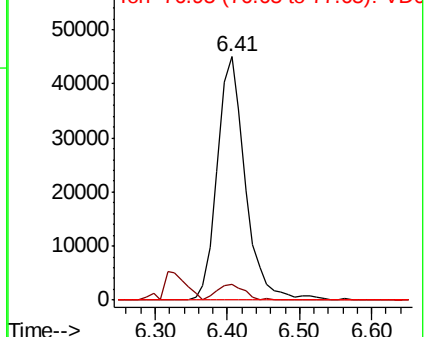
75 100

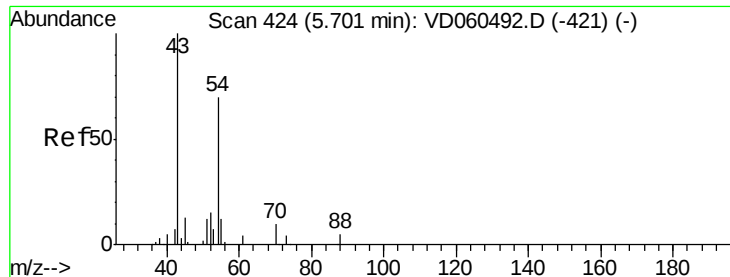
110 6.6 18.3 54.8#

77 0.0 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

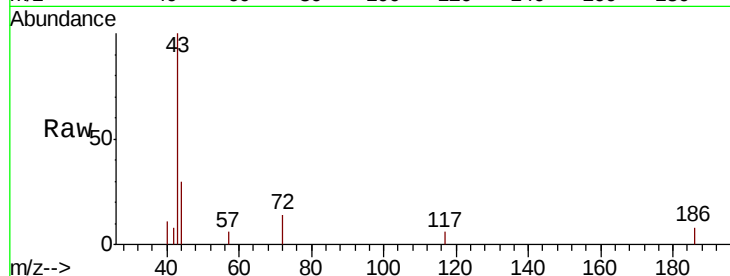




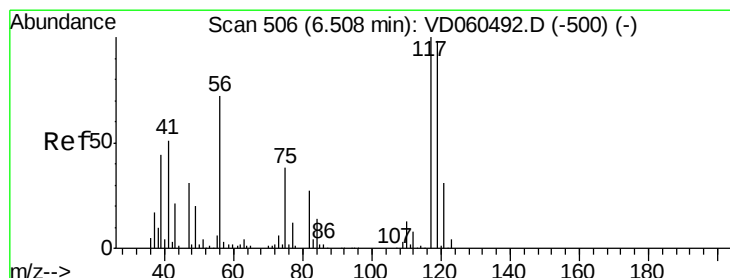
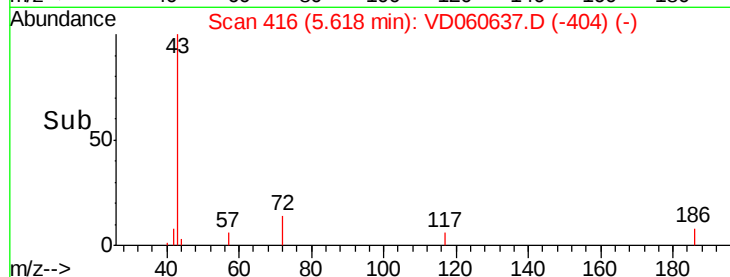
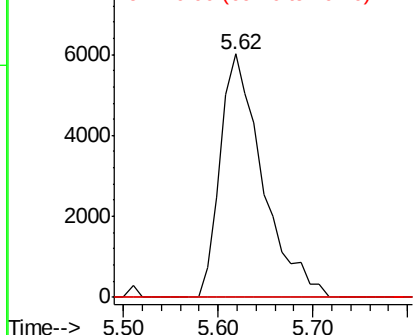
#37
Ethyl Acetate
Concen: 1.853 ug/l
RT: 5.62 min Scan# 416
Delta R.T. -0.08 min
Lab File: VD060637.D
Acq: 19 Dec 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 18651
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 5.4 8.0#

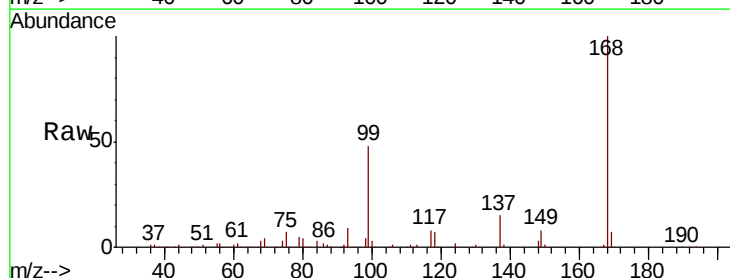


Abundance Ion 42.95 (42.65 to 43.65): VD060492.D (-421) (-)
Ion 60.95 (60.65 to 61.65): VD060492.D (-421) (-)
Ion 70.00 (69.70 to 70.70): VD060492.D (-421) (-)

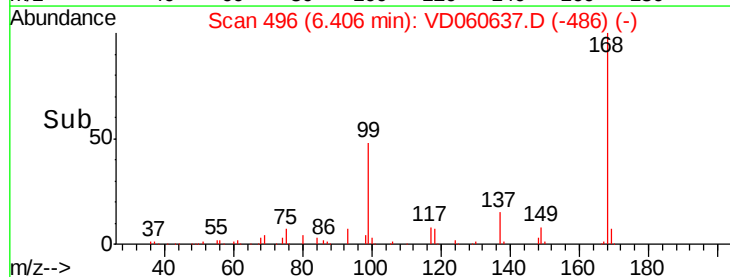
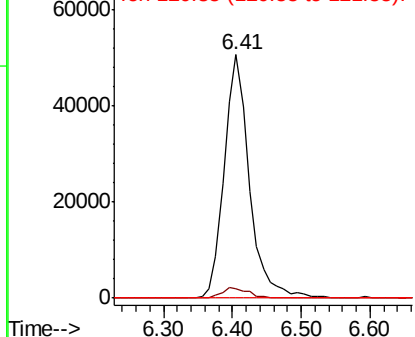


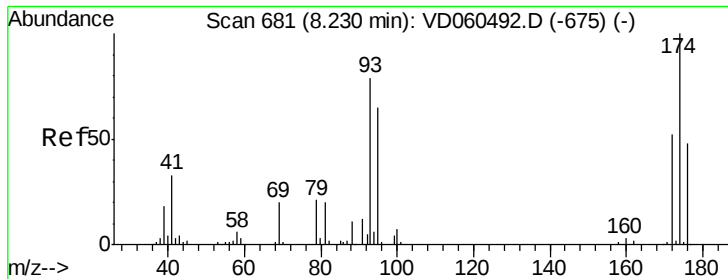
#38
Carbon Tetrachloride
Concen: 6.158 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.10 min
Lab File: VD060637.D
Acq: 19 Dec 2018 13:42

Tgt Ion: 117 Resp: 128325
Ion Ratio Lower Upper
117 100
119 3.6 76.8 115.2#
121 0.0 24.4 36.6#



Abundance Ion 116.85 (116.55 to 117.55): VD060492.D (-500) (-)
Ion 118.85 (118.55 to 119.55): VD060492.D (-500) (-)
Ion 120.85 (120.55 to 121.55): VD060492.D (-500) (-)

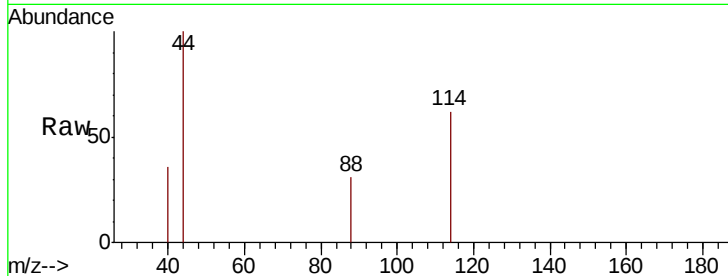




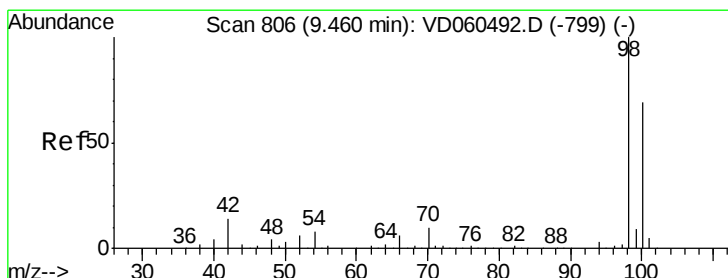
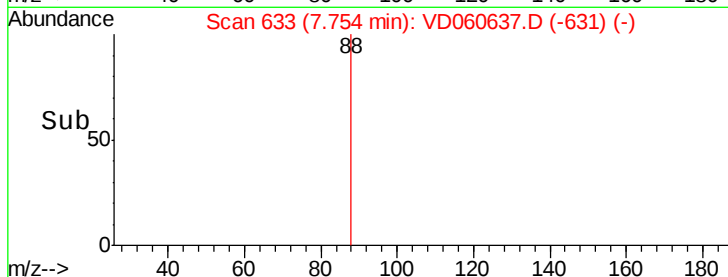
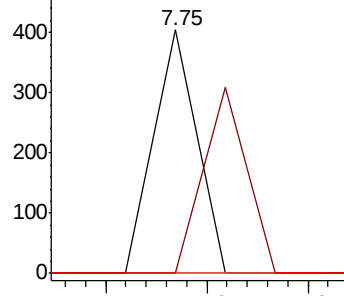
#49
 1,4-Dioxane
 Concen: 3.586 ug/l
 RT: 7.75 min Scan# 633
 Delta R.T. -0.48 min
 Lab File: VD060637.D
 Acq: 19 Dec 2018 13:42

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 88 Resp: 239
 Ion Ratio Lower Upper
 88 100
 43 0.0 32.9 49.3#
 58 0.0 47.7 71.5#

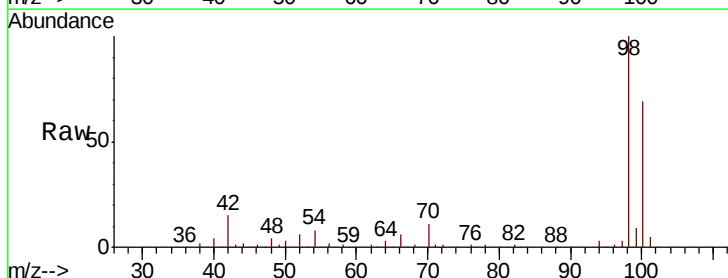


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

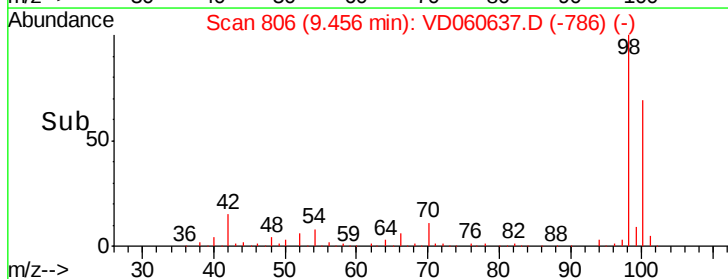
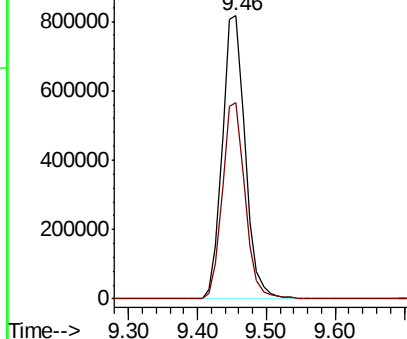


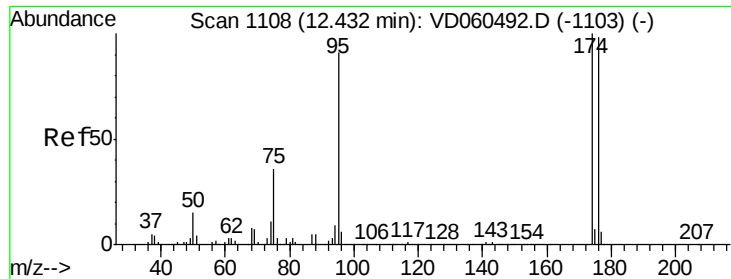
#50
 Toluene-d8
 Concen: 3.586 ug/l
 RT: 9.46 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VD060637.D
 Acq: 19 Dec 2018 13:42

Tgt Ion: 98 Resp: 1877052
 Ion Ratio Lower Upper
 98 100
 100 69.2 55.7 83.5



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060637.D

Acq: 19 Dec 2018 13:42

Instrument :

MSVOA_D

ClientSampled :

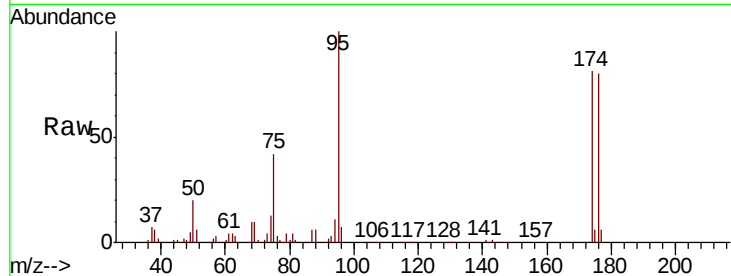
Tot Ion: 95 Resp: 636390

Ion Ratio Lower Upper

95 100

174 81.4 0.0 219.4

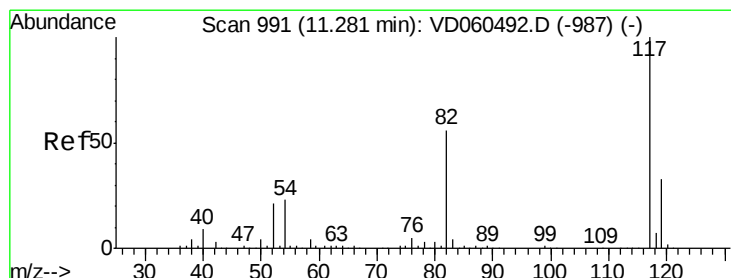
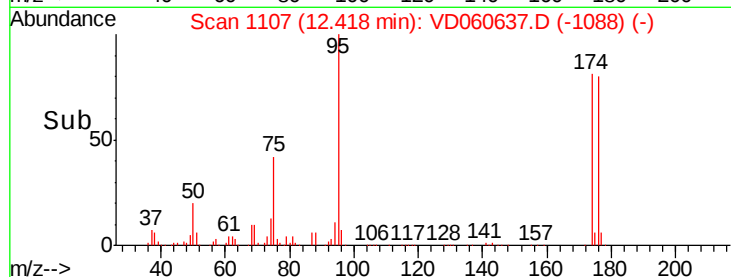
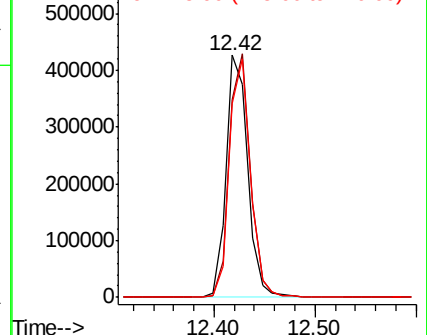
176 79.9 0.0 214.6



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: 11.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VD060637.D

Acq: 19 Dec 2018 13:42

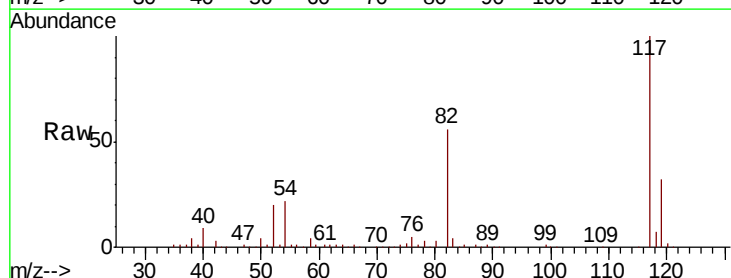
Tgt Ion: 117 Resp: 1893371

Ion Ratio Lower Upper

117 100

82 56.3 45.2 67.8

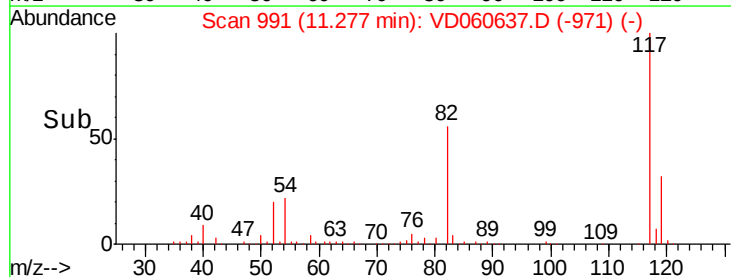
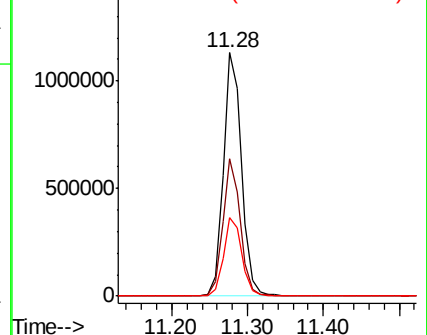
119 32.5 26.1 39.1

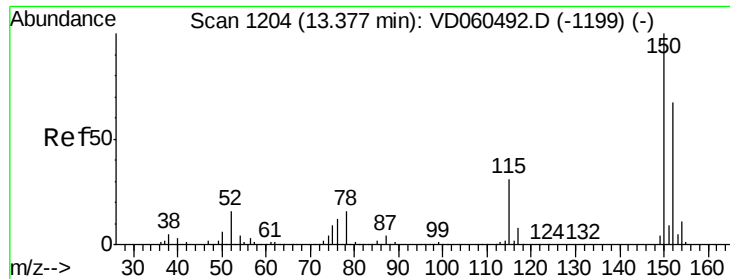


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.37 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD060637.D

Acq: 19 Dec 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

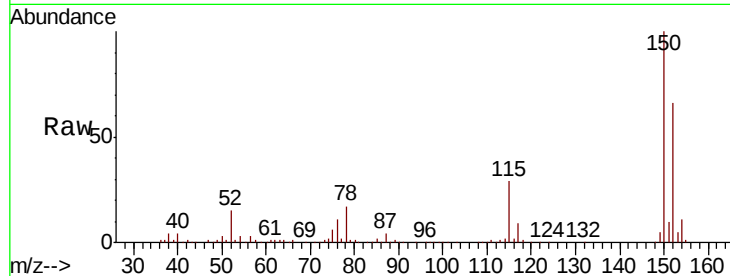
Tot Ion:152 Resp: 811609

Ion Ratio Lower Upper

152 100

115 44.5 24.6 74.0

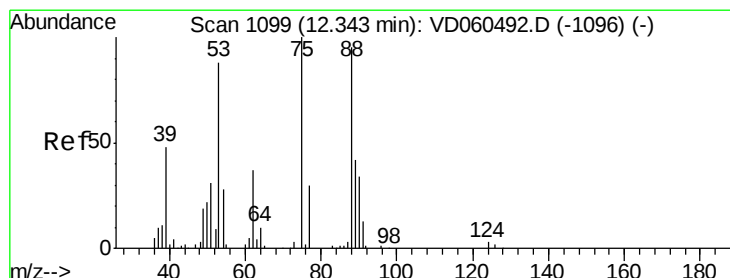
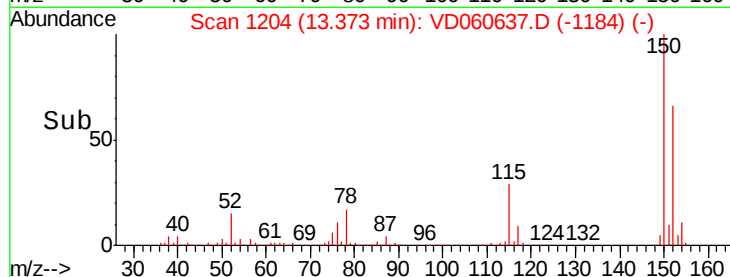
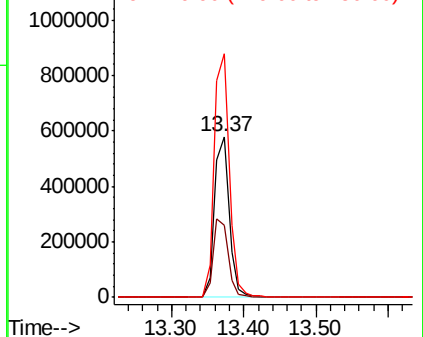
150 151.4 0.0 309.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 102.046 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060637.D

Acq: 19 Dec 2018 13:42

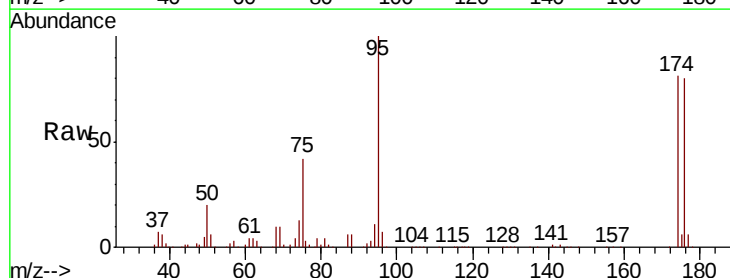
Tgt Ion: 75 Resp: 261728

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

