

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111418\
 Data File : VD060380.D
 Acq On : 14 Nov 2018 15:45
 Operator : JC/SY
 Sample : J5923-01
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MS-OILY-STONE

Quant Time: Nov 15 05:41:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1664564	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	7.41	114	2251663	50.00	ug/l	-0.05
63) Chlorobenzene-d5	11.26	117	1740722	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	13.36	152	841273	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.75	65	495505	41.57	ug/l	-0.05
Spiked Amount			Recovery	=	83.14%	
35) Dibromofluoromethane	6.29	113	676260	40.28	ug/l	-0.05
Spiked Amount			Recovery	=	80.56%	
50) Toluene-d8	9.43	98	1824189	37.12	ug/l	-0.04
Spiked Amount			Recovery	=	74.24%	
62) 4-Bromofluorobenzene	12.41	95	659016	37.01	ug/l	-0.03
Spiked Amount			Recovery	=	74.02%	

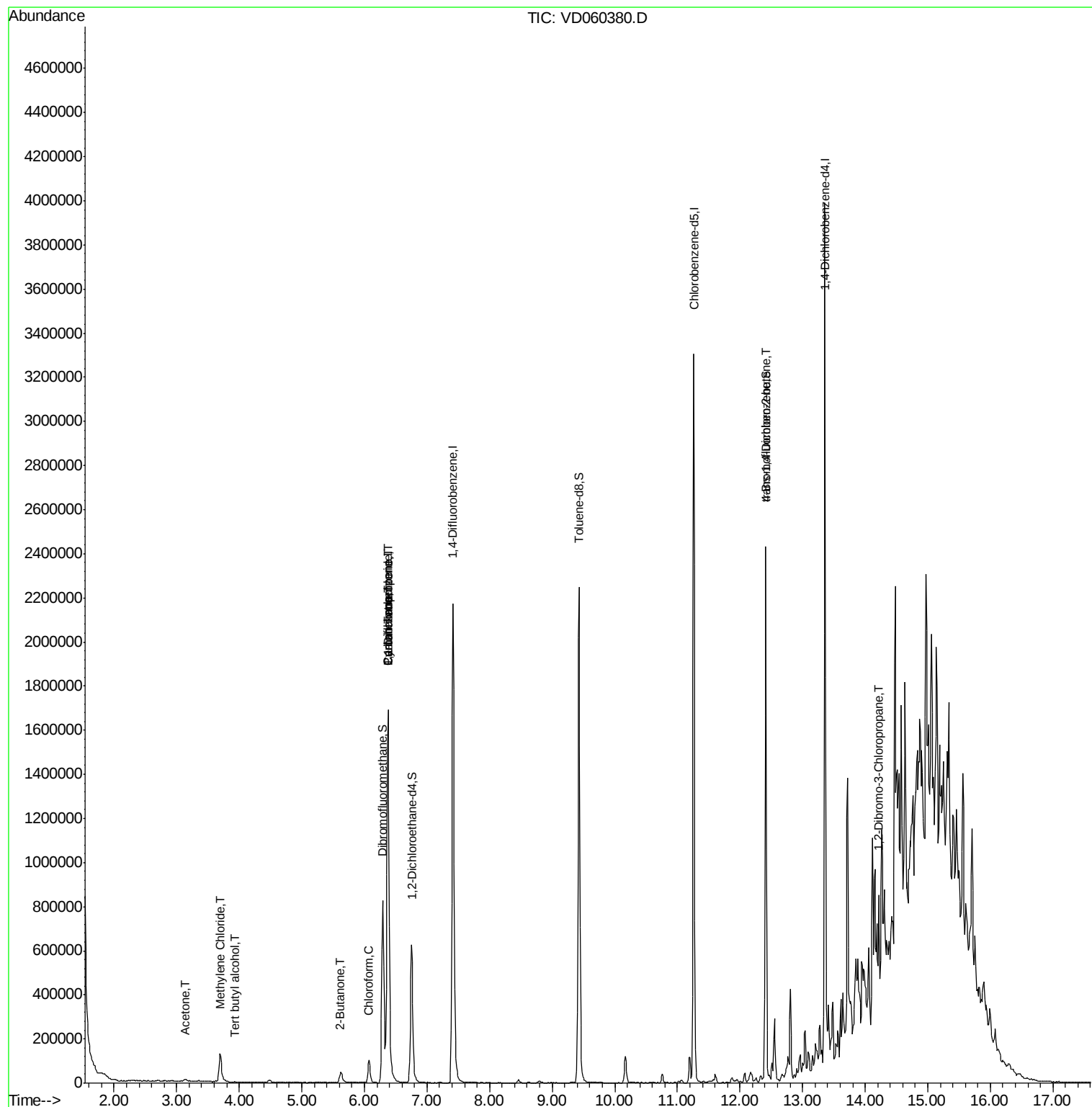
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	2340	Below Cal	#	41
11) Tert butyl alcohol	3.94	59	1956	3.997	ug/l #	70
16) Acetone	3.12	43	18298	8.851	ug/l #	72
20) Methylene Chloride	3.70	84	86621	4.723	ug/l	94
25) 2-Butanone	5.60	43	5553	1.292	ug/l #	60
30) Chloroform	6.07	83	104104	3.498	ug/l	99
31) Cyclohexane	6.38	56	30475	1.071	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	121808	5.476	ug/l #	45
38) Carbon Tetrachloride	6.38	117	127665	6.187	ug/l #	16
81) trans-1,4-Dichloro-2-buten	12.41	75	272995	95.283	ug/l #	15
89) n-Butylbenzene	13.68	91	2822	Below Cal	#	17
92) 1,2-Dibromo-3-Chloropropan	14.21	75	2001	1.654	ug/l #	25

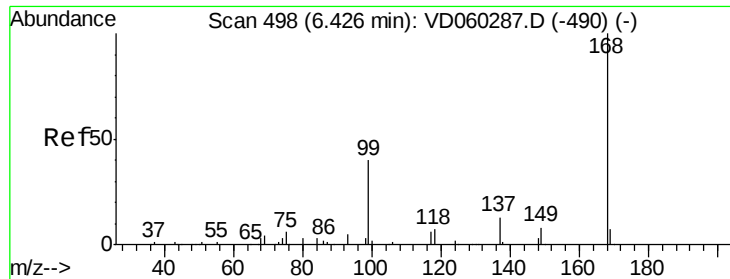
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111418\
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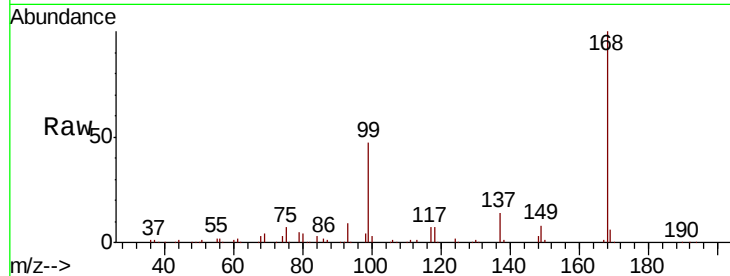


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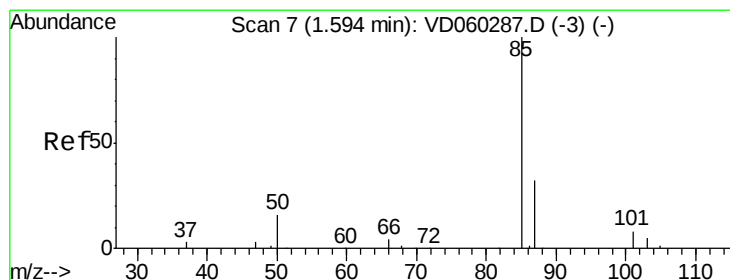
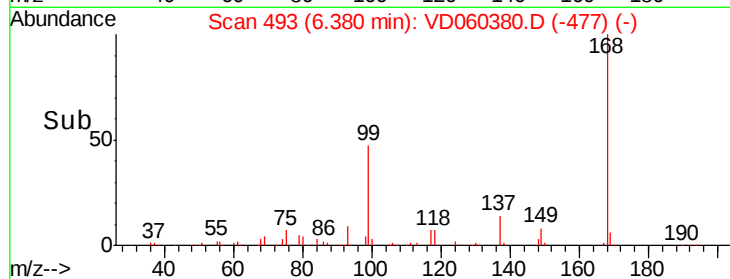
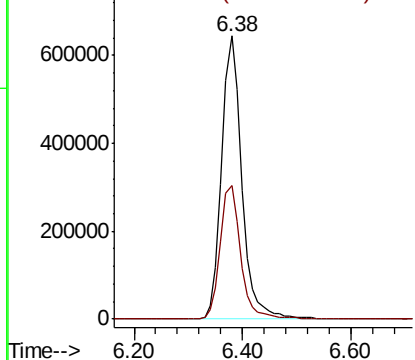
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.38 min Scan# 493
 Delta R.T. -0.05 min
 Lab File: VD060380.D
 Acq: 14 Nov 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 MS-OILY-STONE

Tot Ion:168 Resp: 1664564
 Ion Ratio Lower Upper
 168 100
 99 47.2 39.8 59.8



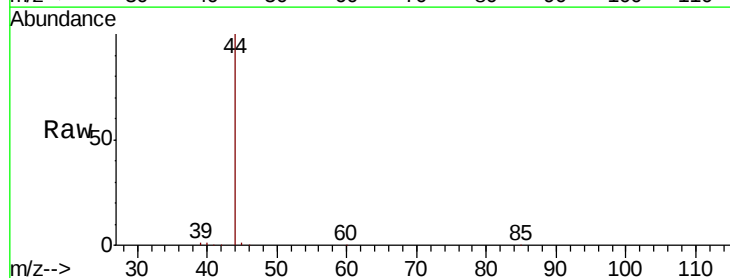
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



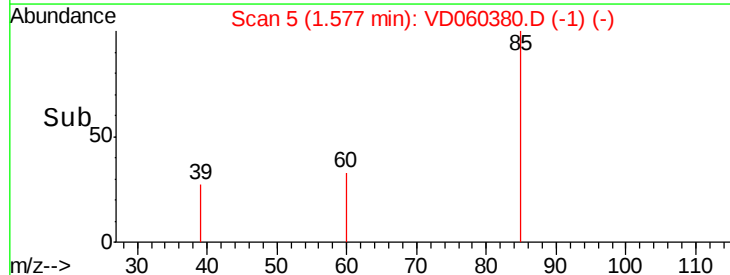
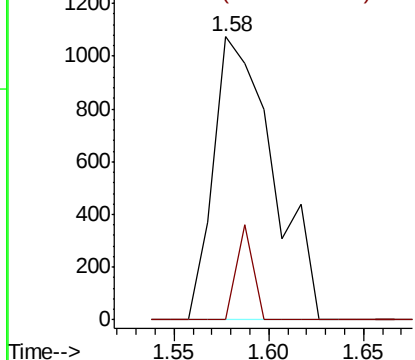
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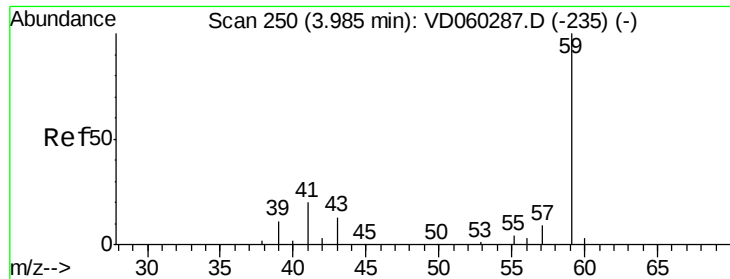
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.58 min Scan# 5
 Delta R.T. -0.02 min
 Lab File: VD060380.D
 Acq: 14 Nov 2018 15:45

Tgt Ion: 85 Resp: 2340
 Ion Ratio Lower Upper
 85 100
 87 0.0 16.8 50.4#



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

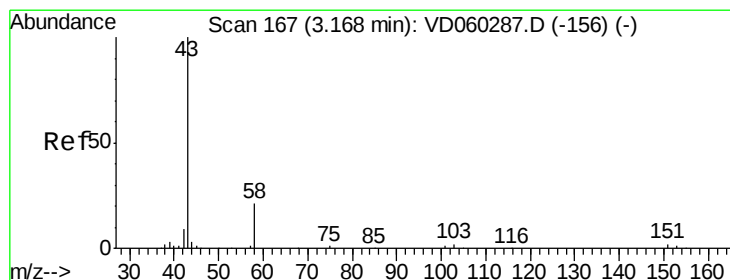
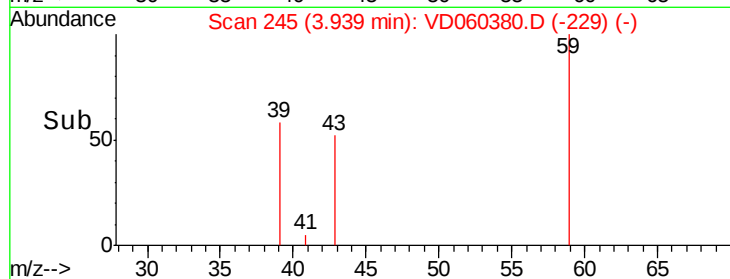
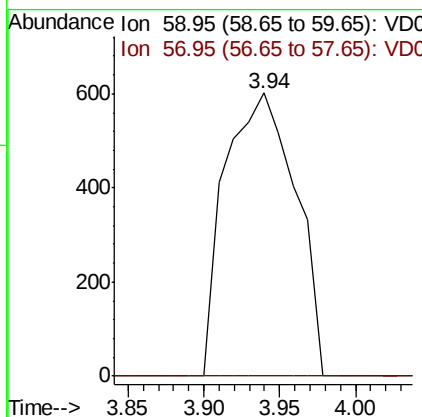
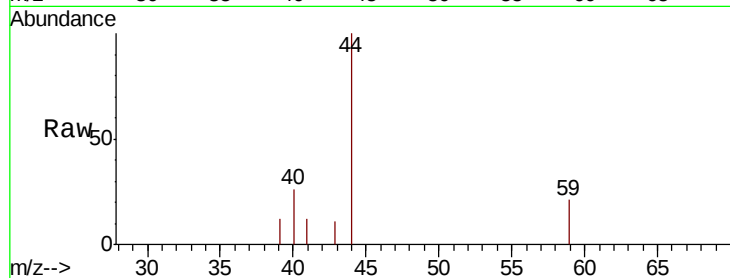




#11
Tert butyl alcohol
Concen: 3.997 ug/l
RT: 3.94 min Scan# 245
Delta R.T. -0.05 min
Lab File: VD060380.D
Acq: 14 Nov 2018 15:45

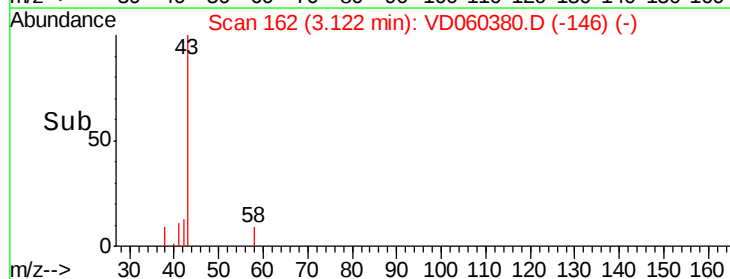
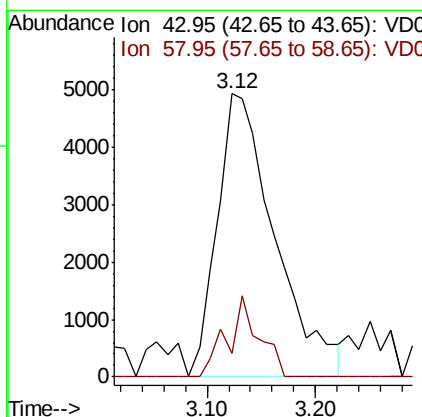
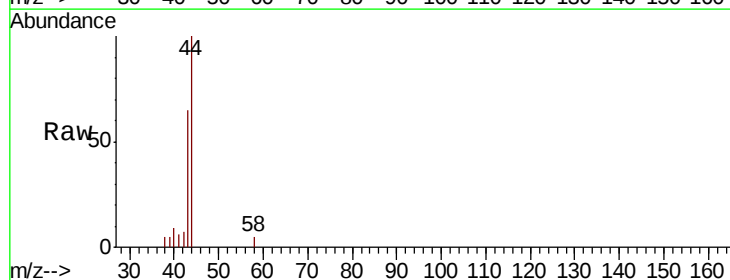
Instrument :
MSVOA_D
ClientSampleId :
MS-OILY-STONE

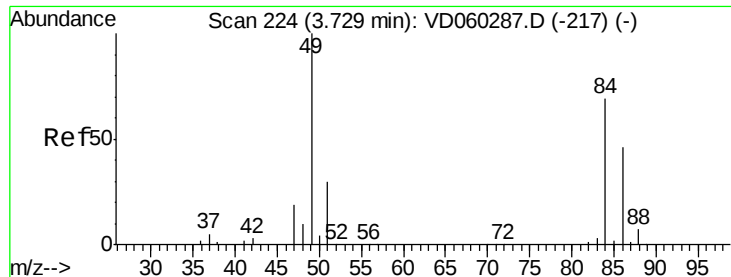
Tot Ion: 59 Resp: 1956
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



#16
Acetone
Concen: 8.851 ug/l
RT: 3.12 min Scan# 162
Delta R.T. -0.05 min
Lab File: VD060380.D
Acq: 14 Nov 2018 15:45

Tgt Ion: 43 Resp: 18298
Ion Ratio Lower Upper
43 100
58 8.1 16.9 25.3#

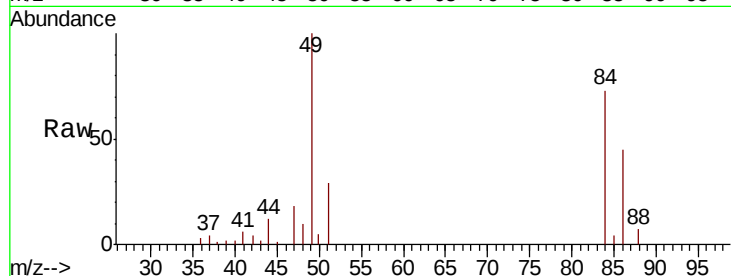




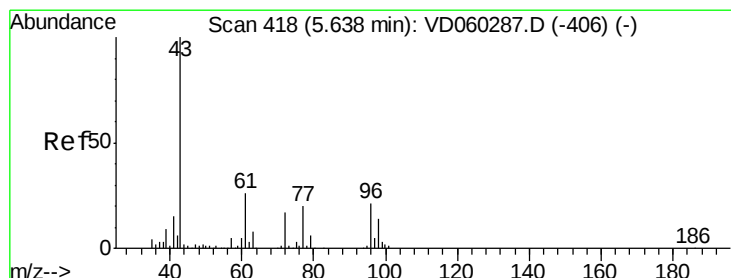
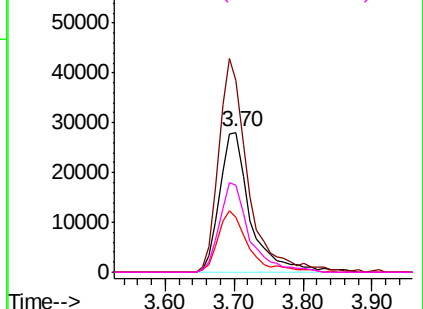
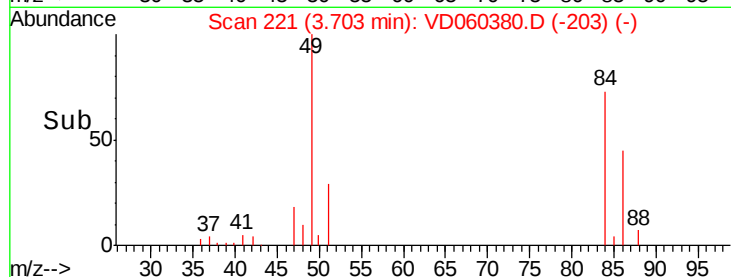
#20
Methylene Chloride
Concen: 4.723 ug/l
RT: 3.70 min Scan# 221
Delta R.T. -0.03 min
Lab File: VD060380.D
Acq: 14 Nov 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
MS-OILY-STONE

Tot Ion: 84 Resp: 86621
Ion Ratio Lower Upper
84 100
49 137.3 115.6 173.4
51 39.2 35.6 53.4
86 61.8 52.3 78.5

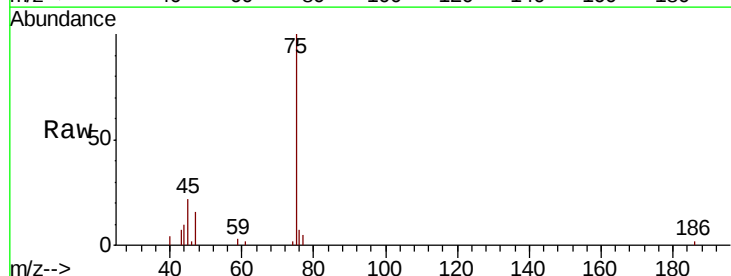


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

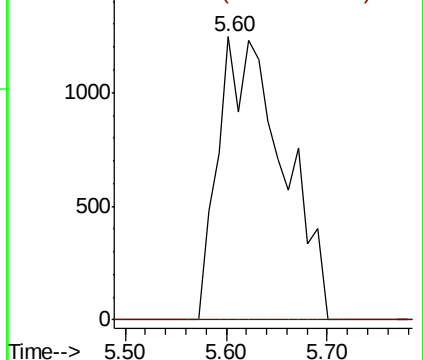
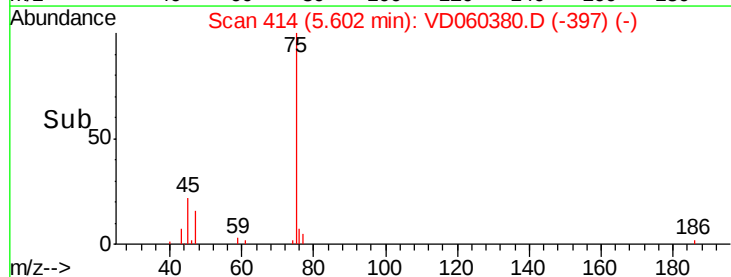


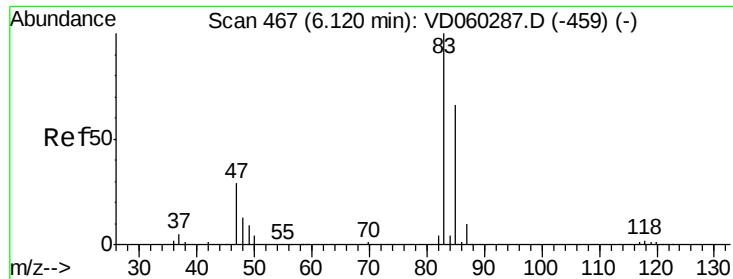
#25
2-Butanone
Concen: 1.292 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.04 min
Lab File: VD060380.D
Acq: 14 Nov 2018 15:45

Tgt Ion: 43 Resp: 5553
Ion Ratio Lower Upper
43 100
72 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

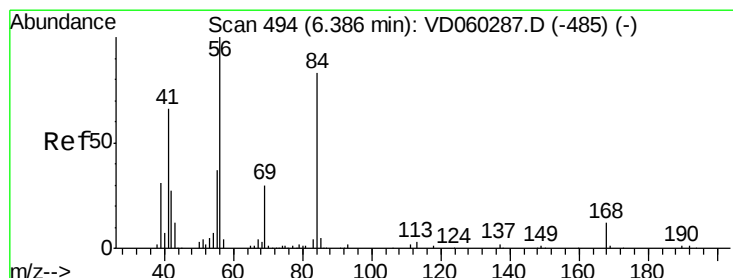
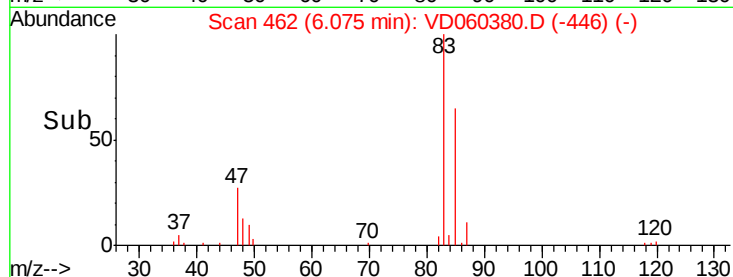
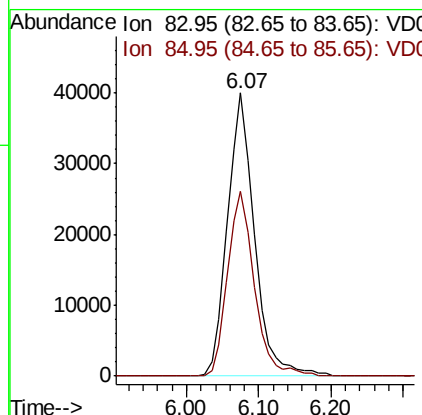
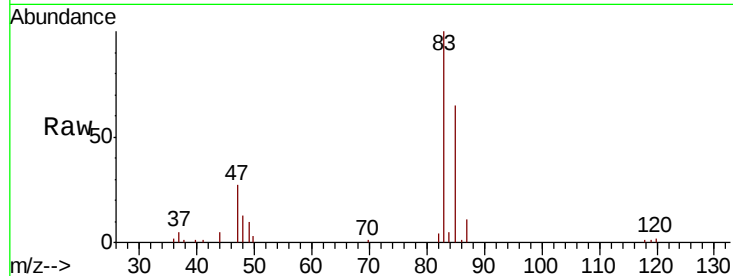




#30
Chloroform
Concen: 3.498 ug/l
RT: 6.07 min Scan# 462
Delta R.T. -0.05 min
Lab File: VD060380.D
Acq: 14 Nov 2018 15:45

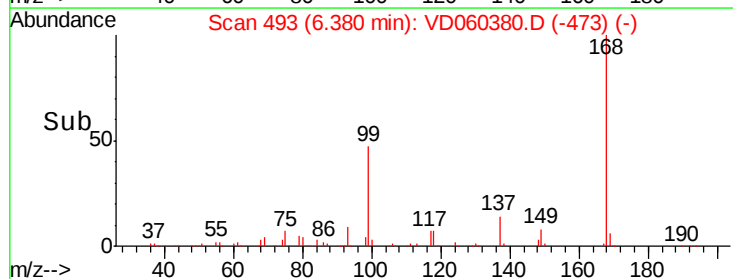
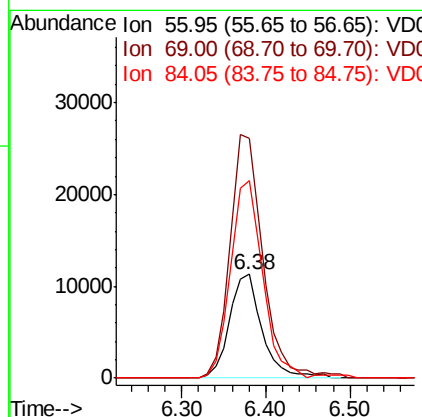
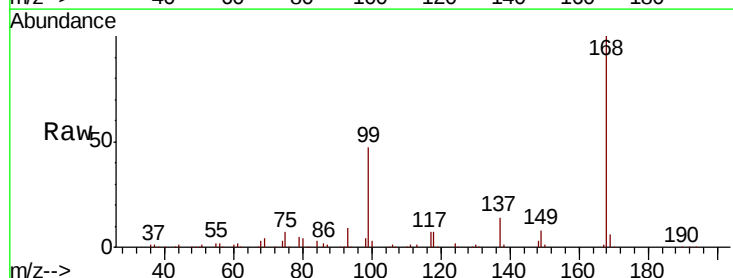
Instrument :
MSVOA_D
ClientSampleId :
MS-OILY-STONE

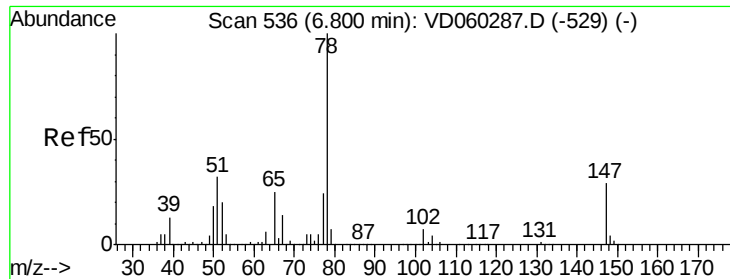
Tot Ion: 83 Resp: 104104
Ion Ratio Lower Upper
83 100
85 65.1 52.5 78.7



#31
Cyclohexane
Concen: 1.071 ug/l
RT: 6.38 min Scan# 493
Delta R.T. -0.01 min
Lab File: VD060380.D
Acq: 14 Nov 2018 15:45

Tgt Ion: 56 Resp: 30475
Ion Ratio Lower Upper
56 100
69 230.7 22.2 33.2#
84 190.4 63.0 94.4#

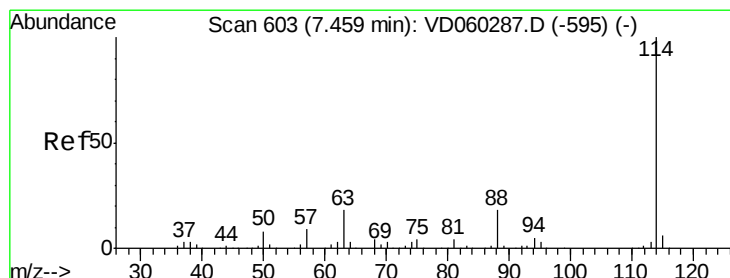
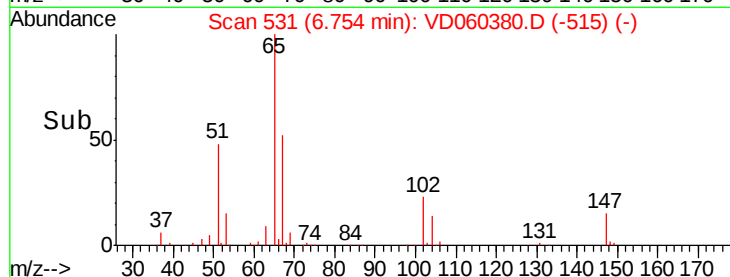
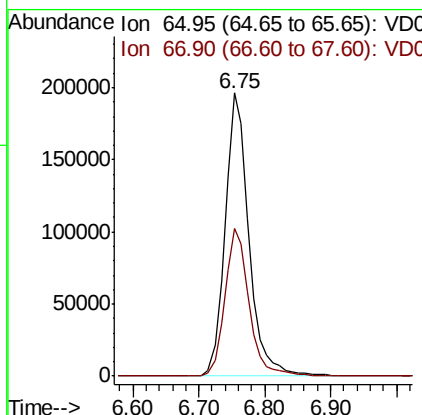
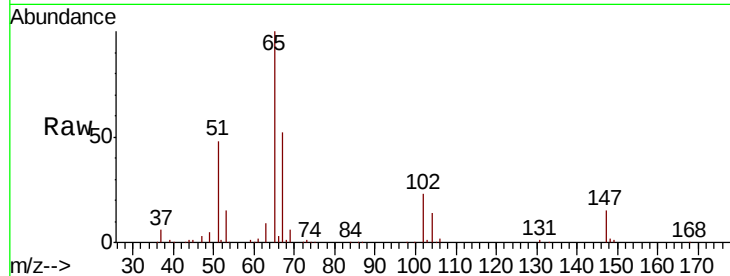




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.75 min Scan# 531
 Delta R.T. -0.05 min
 Lab File: VD060380.D
 Acq: 14 Nov 2018 15:45

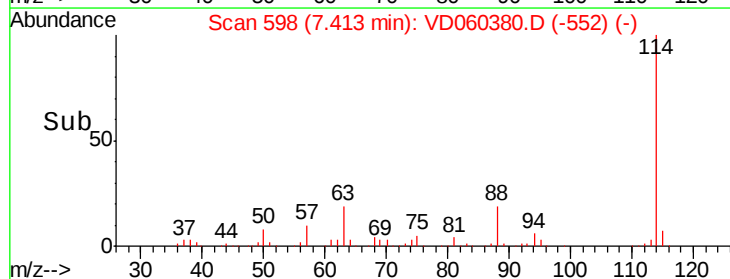
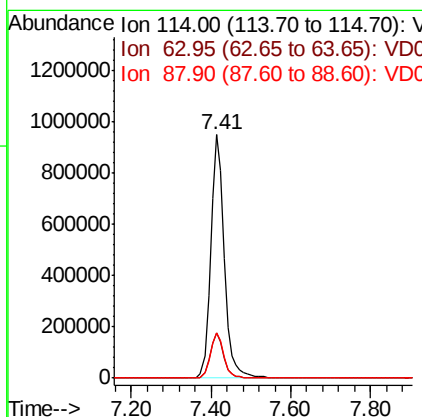
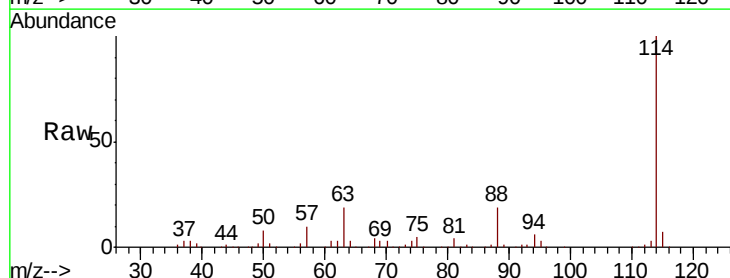
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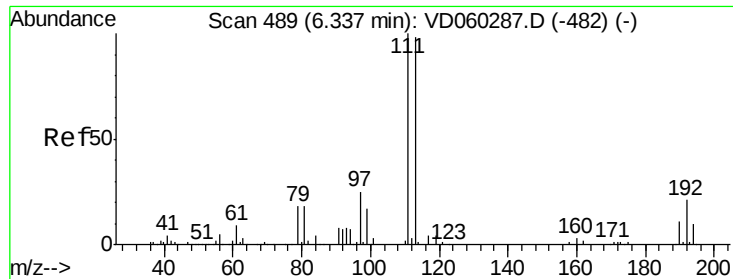
Tot Ion: 65 Resp: 495505
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.41 min Scan# 598
 Delta R.T. -0.05 min
 Lab File: VD060380.D
 Acq: 14 Nov 2018 15:45

Tgt Ion:114 Resp: 2251663
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 34.0
 88 18.7 0.0 35.4

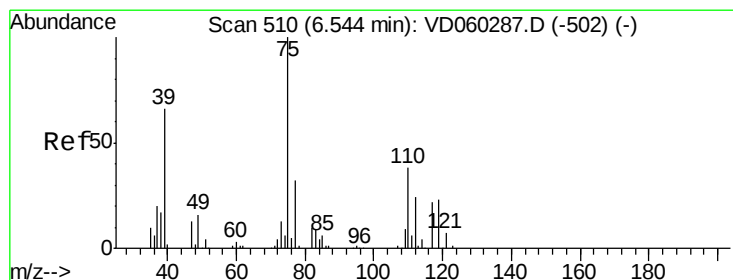
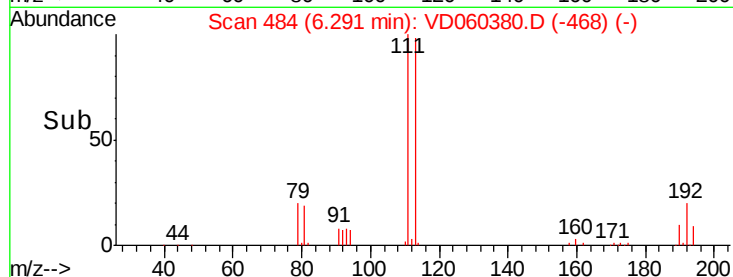
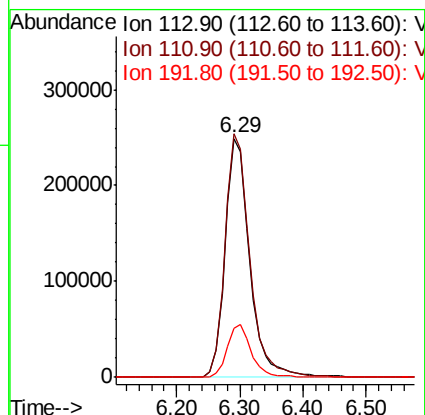
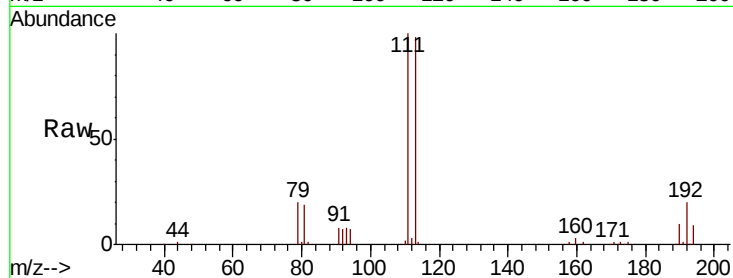




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.29 min Scan# 484
 Delta R.T. -0.05 min
 Lab File: VD060380.D
 Acq: 14 Nov 2018 15:45

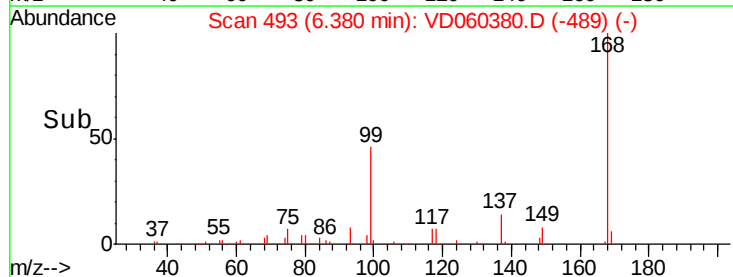
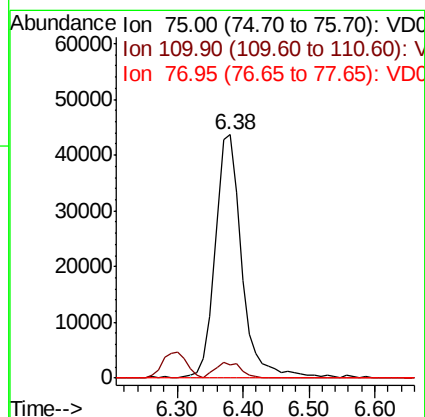
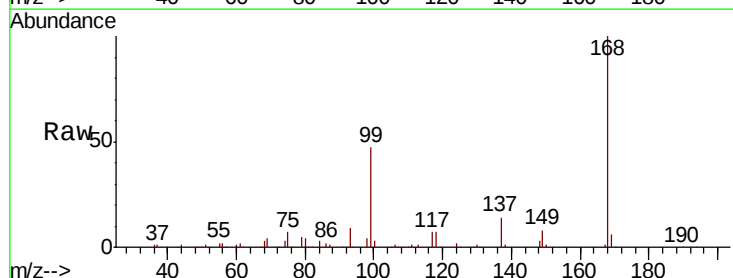
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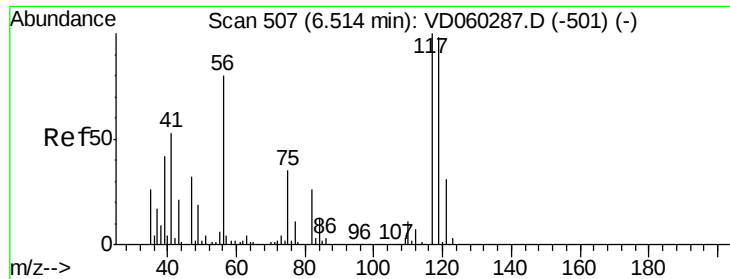
Tot Ion:113 Resp: 676260
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.6 122.4
 192 20.5 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 5.476 ug/l
 RT: 6.38 min Scan# 493
 Delta R.T. -0.16 min
 Lab File: VD060380.D
 Acq: 14 Nov 2018 15:45

Tgt Ion: 75 Resp: 121808
 Ion Ratio Lower Upper
 75 100
 110 5.2 18.0 54.0#
 77 0.0 25.6 38.4#

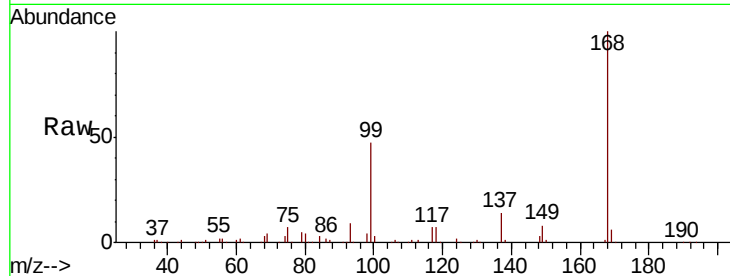




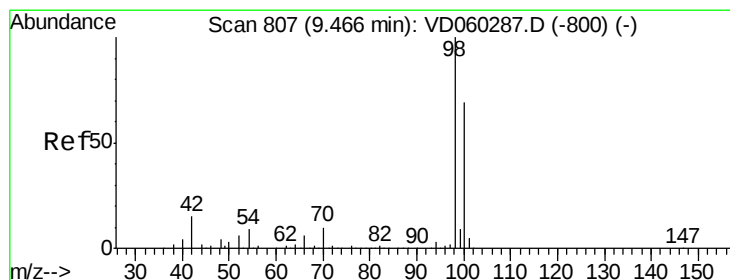
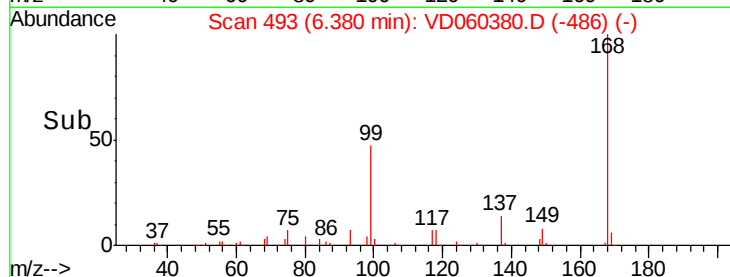
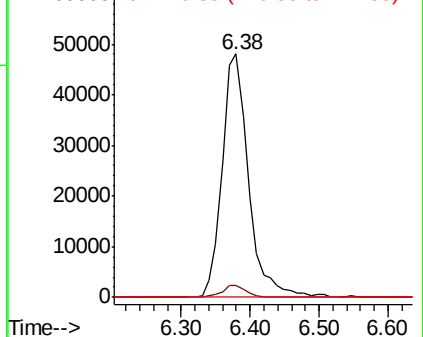
#38
Carbon Tetrachloride
Concen: 6.187 ug/l
RT: 6.38 min Scan# 493
Delta R.T. -0.13 min
Lab File: VD060380.D
Acq: 14 Nov 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
MS-OILY-STONE

Tot Ion:117 Resp: 127665
Ion Ratio Lower Upper
117 100
119 5.1 76.6 115.0#
121 0.0 24.3 36.5#

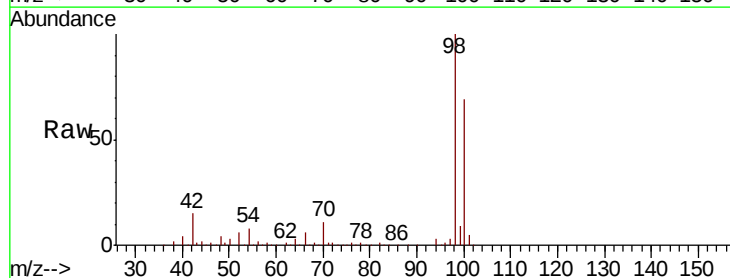


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

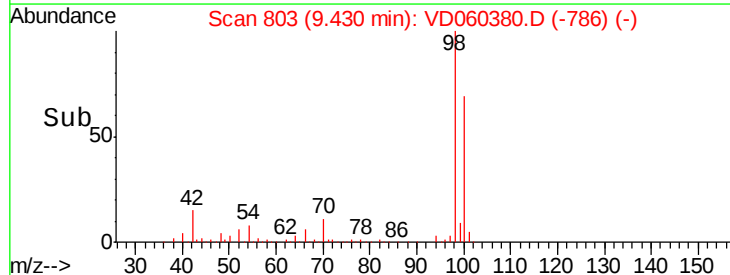
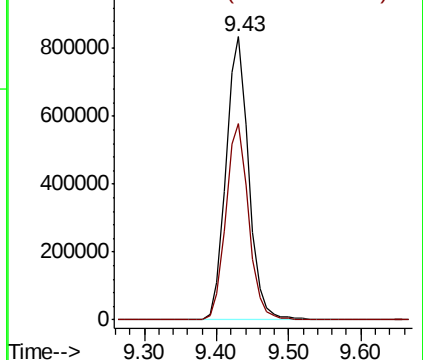


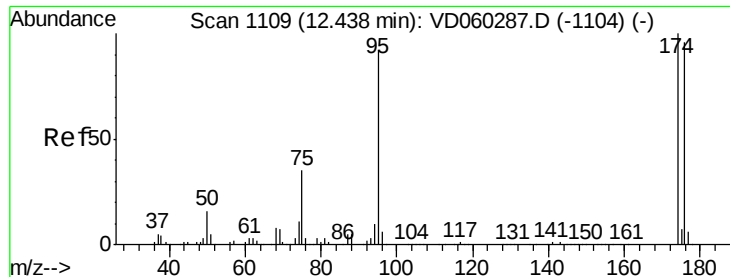
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 803
Delta R.T. -0.04 min
Lab File: VD060380.D
Acq: 14 Nov 2018 15:45

Tgt Ion: 98 Resp: 1824189
Ion Ratio Lower Upper
98 100
100 69.4 55.2 82.8



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: 12.41 min Scan# 1106

Delta R.T. -0.03 min

Lab File: VD060380.D

Acq: 14 Nov 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

MS-OILY-STONE

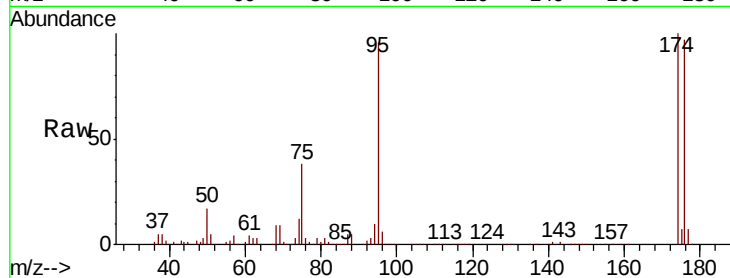
Tot Ion: 95 Resp: 659016

Ion Ratio Lower Upper

95 100

174 103.8 0.0 160.8

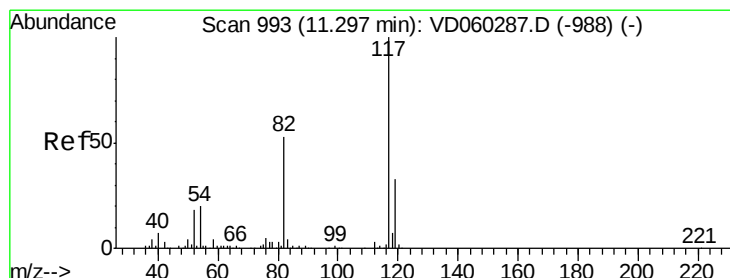
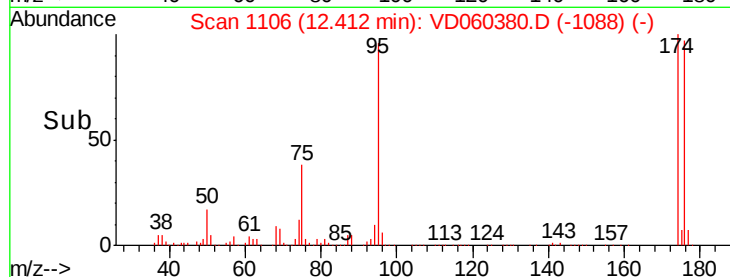
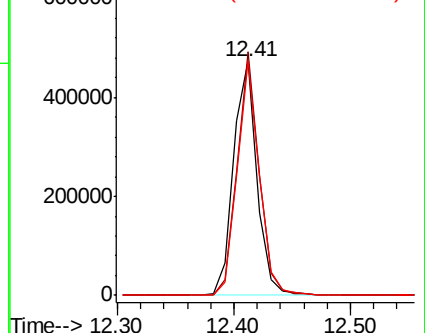
176 100.2 0.0 154.6



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# 989

Delta R.T. -0.04 min

Lab File: VD060380.D

Acq: 14 Nov 2018 15:45

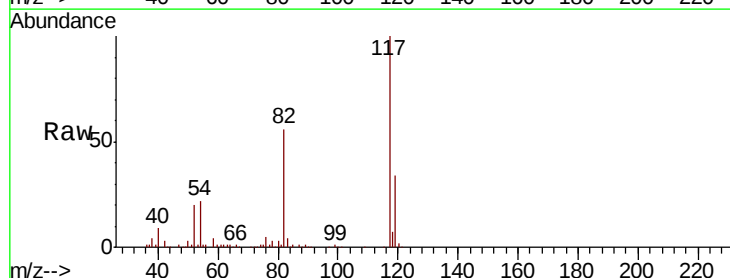
Tgt Ion: 117 Resp: 1740722

Ion Ratio Lower Upper

117 100

82 56.3 43.7 65.5

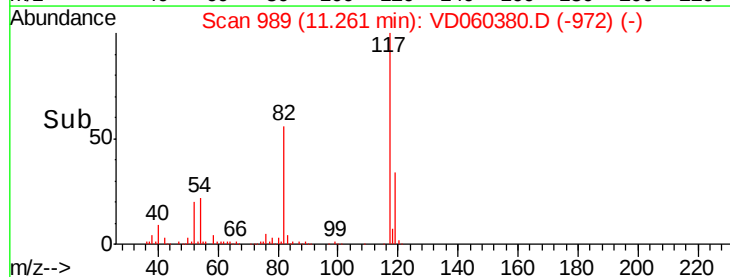
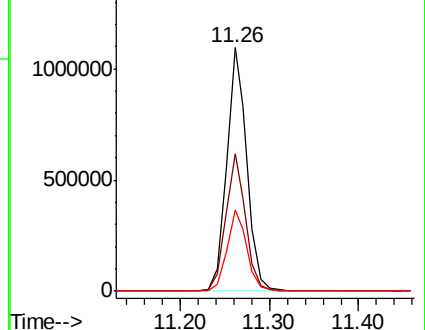
119 33.5 26.1 39.1

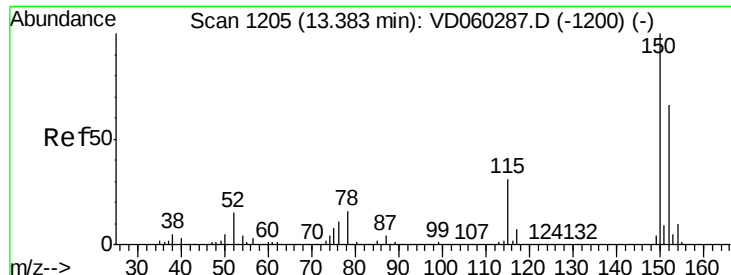


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



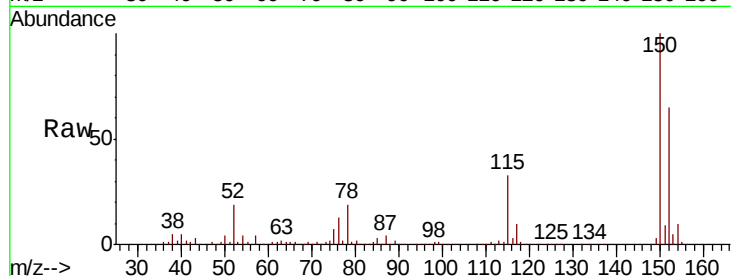


#72

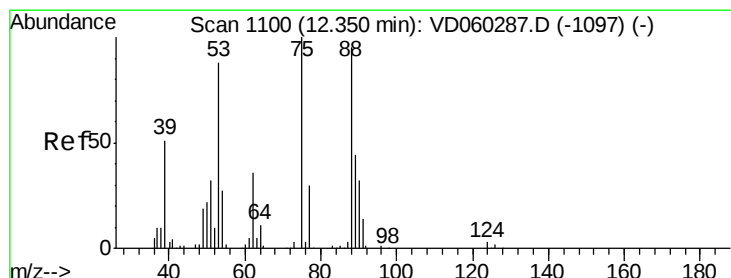
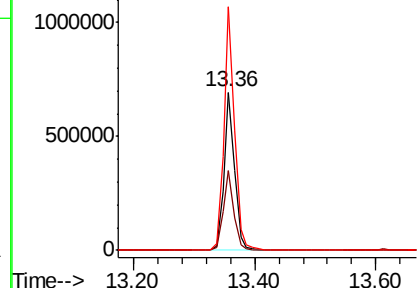
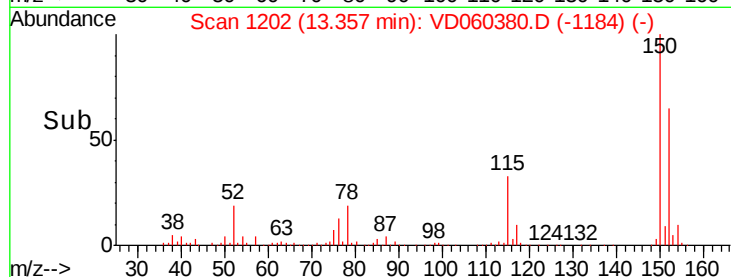
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1202
Delta R.T. -0.03 min
Lab File: VD060380.D
Acq: 14 Nov 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
MS-OILY-STONE

Tot Ion:152 Resp: 841273
Ion Ratio Lower Upper
152 100
115 50.6 24.1 72.3
150 154.1 0.0 310.6



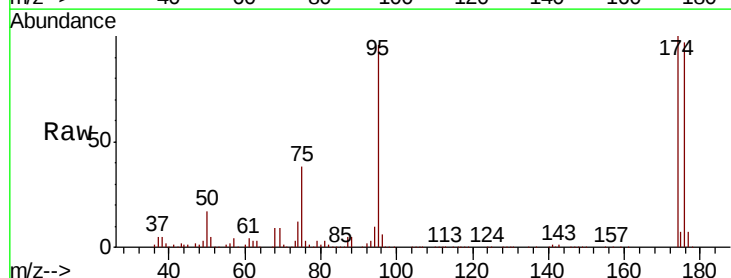
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



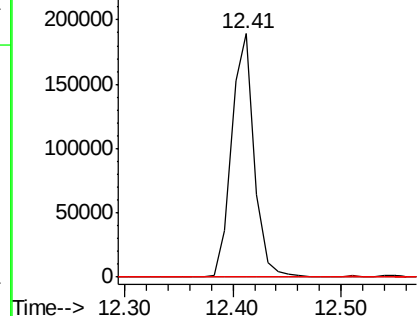
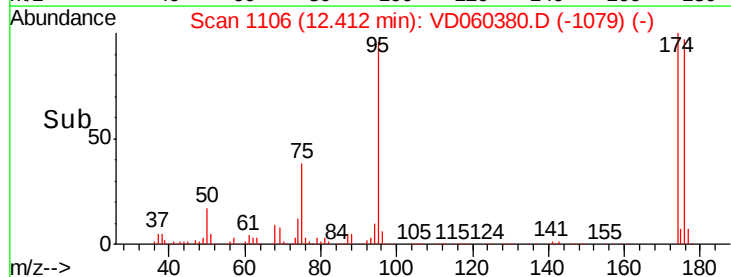
#81

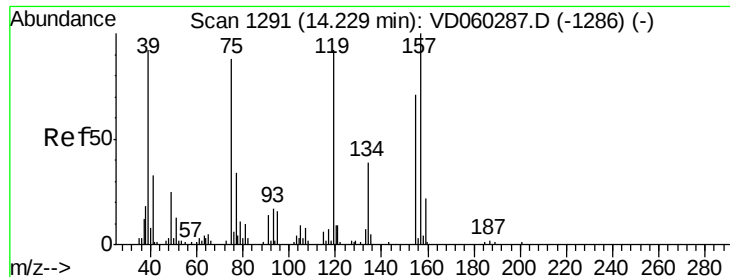
trans-1,4-Dichloro-2-butene
Concen: 95.283 ug/l
RT: 12.41 min Scan# 1106
Delta R.T. 0.06 min
Lab File: VD060380.D
Acq: 14 Nov 2018 15:45

Tgt Ion: 75 Resp: 272995
Ion Ratio Lower Upper
75 100
53 0.2 68.6 103.0#
89 0.0 34.1 51.1#



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





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.654 ug/l

RT: 14.21 min Scan# 1289

Delta R.T. -0.02 min

Lab File: VD060380.D

Acq: 14 Nov 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

MS-OILY-STONE

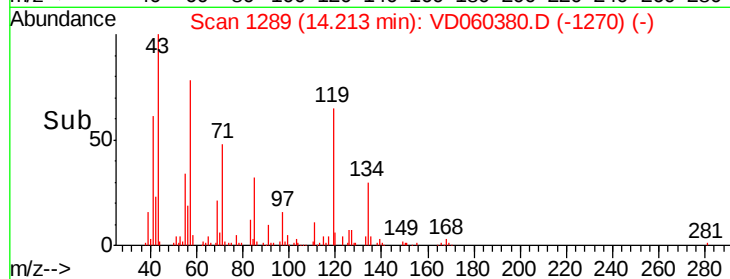
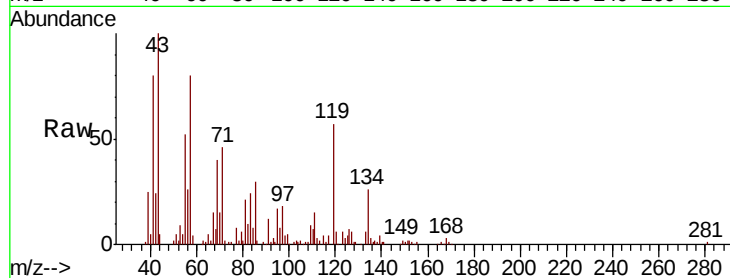
Tot Ion: 75 Resp: 2001

Ion Ratio Lower Upper

75 100

155 108.9 64.3 192.9

157 0.0 81.0 243.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

