

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110118\
 Data File : VD060281.D
 Acq On : 2 Nov 2018 00:10
 Operator : VA/AP
 Sample : J5741-23
 Misc : 6.15g/5ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6

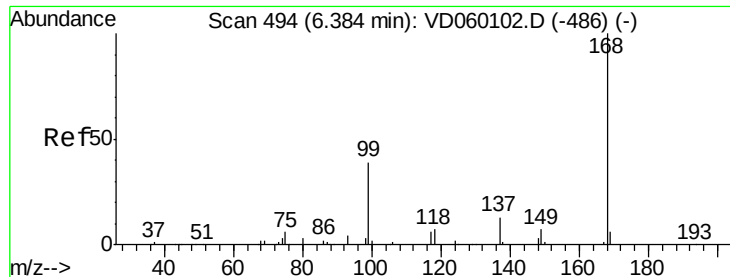
Quant Time: Nov 02 02:44:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1321825	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.45	114	1841459	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1503351	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	786335	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	502915	50.19	ug/l	0.03
Spiked Amount			Recovery	=	100.38%	
35) Dibromofluoromethane	6.33	113	578377	41.36	ug/l	0.03
Spiked Amount			Recovery	=	82.72%	
50) Toluene-d8	9.47	98	1596183	40.03	ug/l	0.03
Spiked Amount			Recovery	=	80.06%	
62) 4-Bromofluorobenzene	12.43	95	590110	39.53	ug/l	0.01
Spiked Amount			Recovery	=	79.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.97	59	2559	3.561	ug/l #	74
16) Acetone	3.16	43	135522	74.541	ug/l	95
18) Methyl Acetate	3.55	43	7237	1.852	ug/l #	87
20) Methylene Chloride	3.72	84	17961	Below Cal	#	89
25) 2-Butanone	5.64	43	7200	1.585	ug/l #	59
31) Cyclohexane	6.41	56	25189	1.160	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	96571	5.488	ug/l #	46
38) Carbon Tetrachloride	6.41	117	103373	6.473	ug/l #	15
76) 1,2,3-Trichloropropane	12.43	75	243680	21.519	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	243243	76.445	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. 0.03 min

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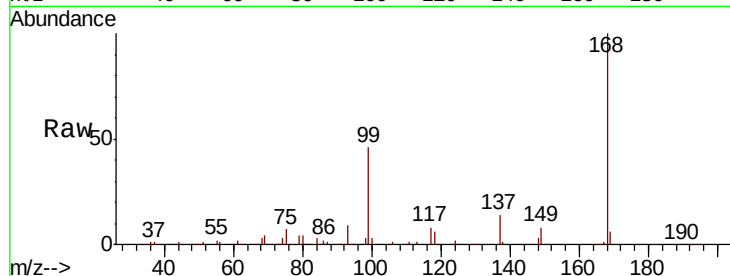
TP-6

Tgt Ion:168 Resp: 1321825

Ion Ratio Lower Upper

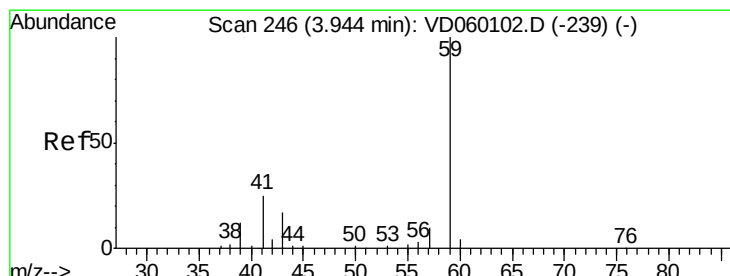
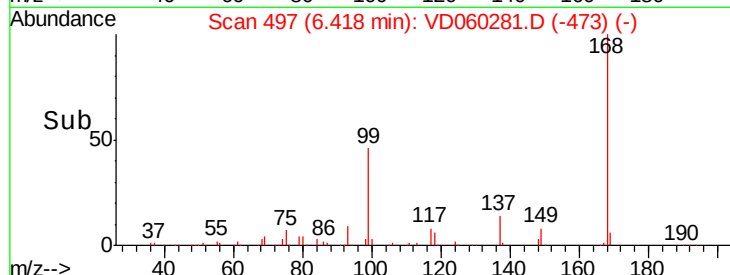
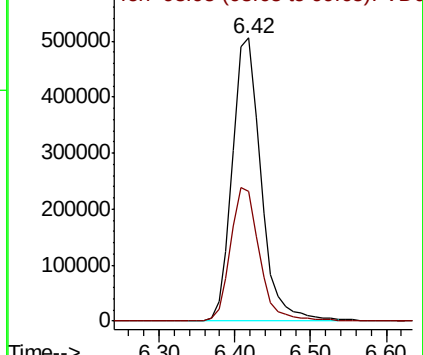
168 100

99 45.6 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 3.561 ug/l

RT: 3.97 min Scan# 248

Delta R.T. 0.02 min

Lab File: VD060281.D

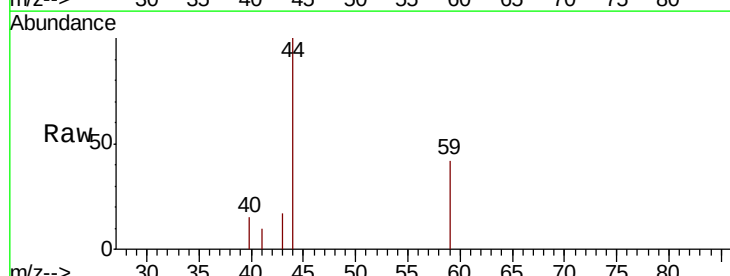
Acq: 2 Nov 2018 00:10

Tgt Ion: 59 Resp: 2559

Ion Ratio Lower Upper

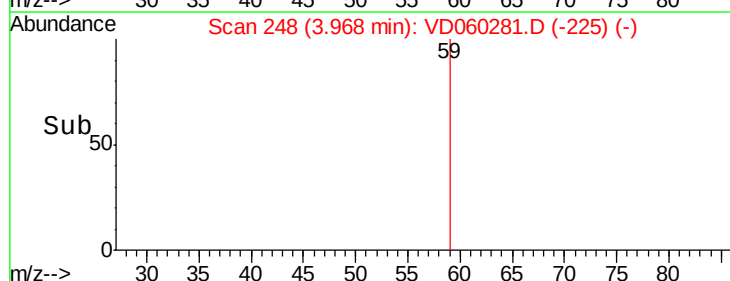
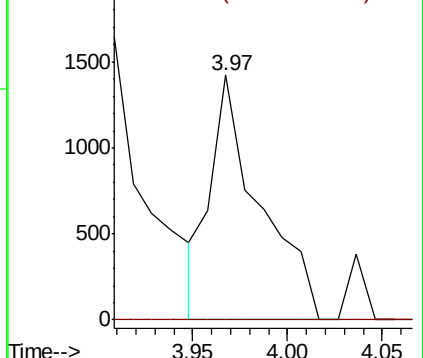
59 100

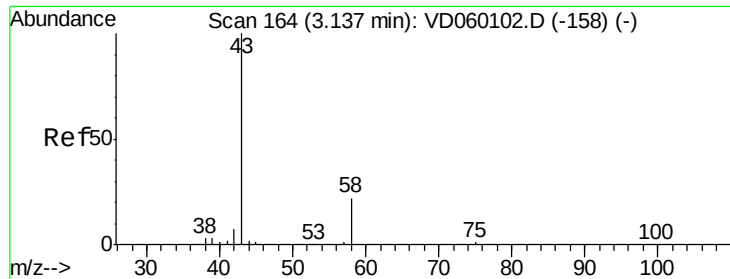
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 74.541 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060281.D

Acq: 2 Nov 2018 00:10

Instrument :

MSVOA_D

ClientSampleId :

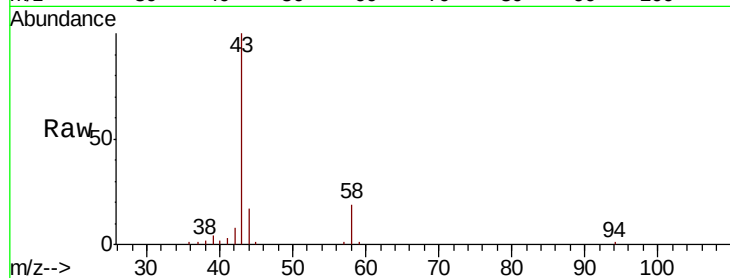
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Tgt Ion: 43 Resp: 135522

Ion Ratio Lower Upper

43 100

58 19.5 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.16

50000

40000

30000

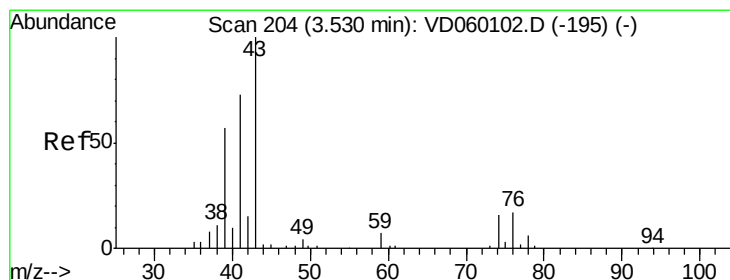
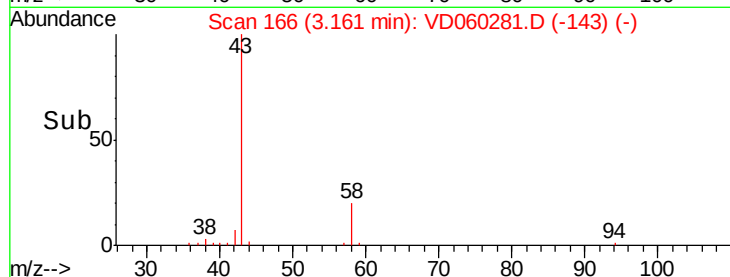
20000

10000

0

Time-->

3.00 3.10 3.20 3.30 3.40



#18

Methyl Acetate

Concen: 1.852 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.02 min

Lab File: VD060281.D

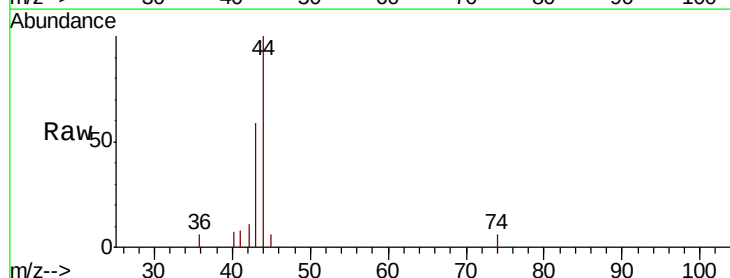
Acq: 2 Nov 2018 00:10

Tgt Ion: 43 Resp: 7237

Ion Ratio Lower Upper

43 100

74 10.3 12.6 19.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.55

3000

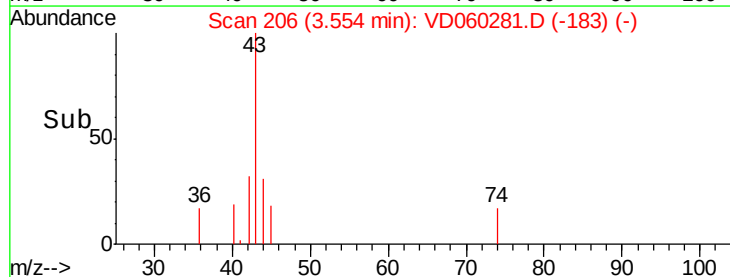
2000

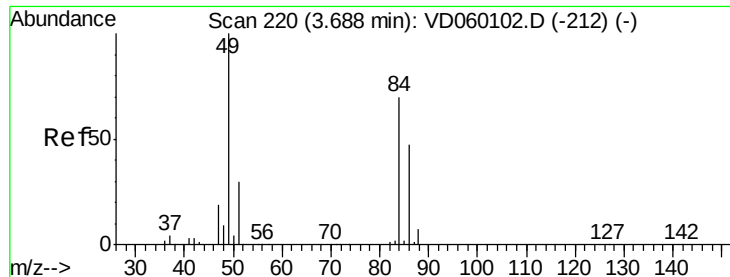
1000

0

Time-->

3.50 3.60

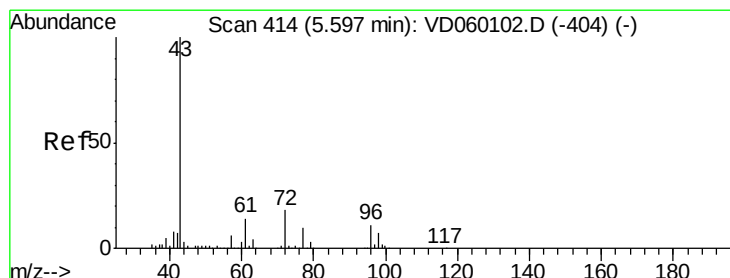
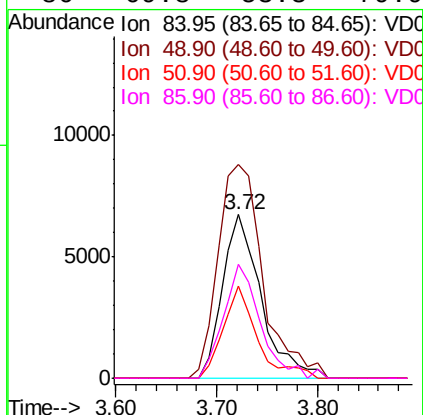
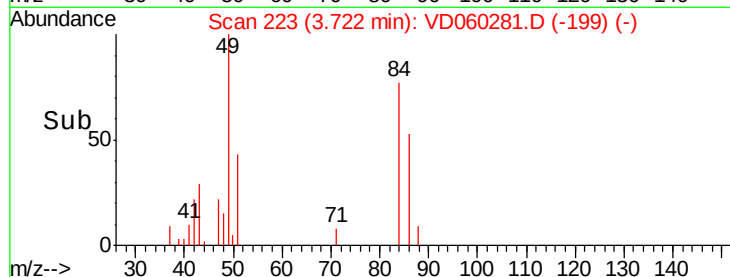
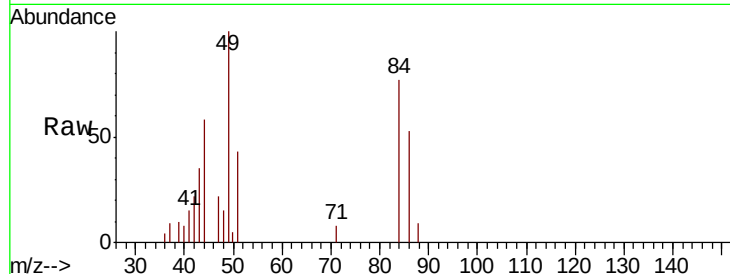




#20
Methylene Chloride
Concen: Below Cal
RT: 3.72 min Scan# 223
Delta R.T. 0.03 min
Lab File: VD060281.D
Acq: 2 Nov 2018 00:10

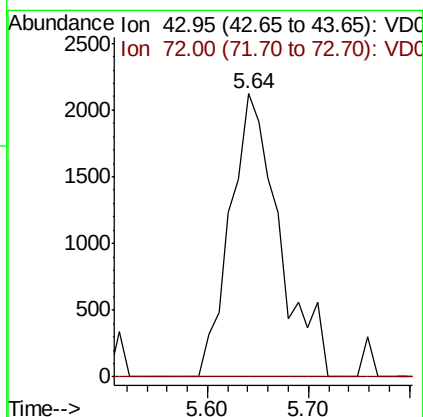
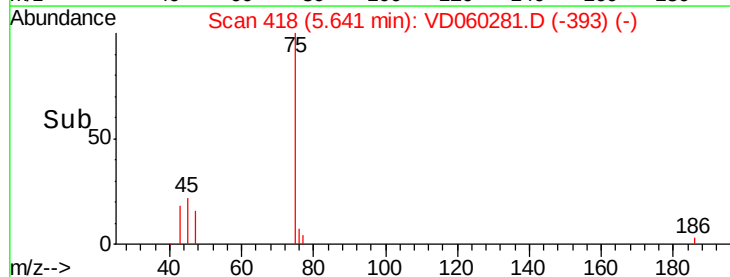
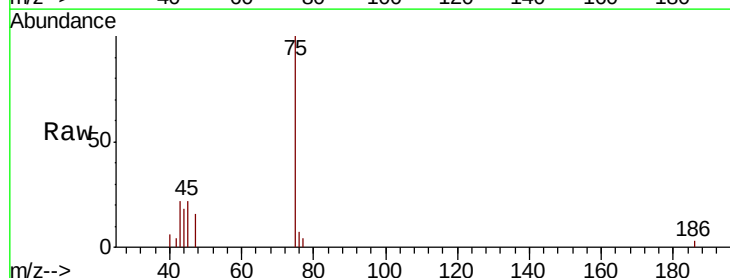
Instrument :
MSVOA_D
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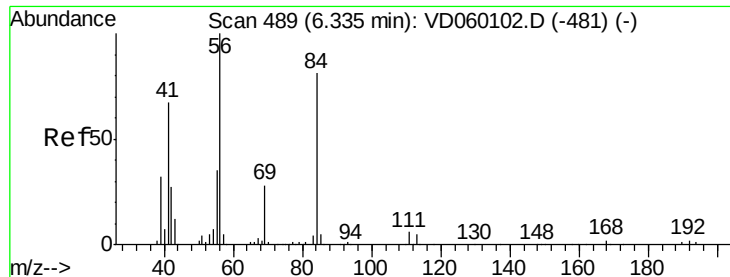
Tgt Ion: 84 Resp: 17961
Ion Ratio Lower Upper
84 100
49 130.5 114.6 172.0
51 56.3 33.8 50.8#
86 69.8 53.3 79.9



#25
2-Butanone
Concen: 1.585 ug/l
RT: 5.64 min Scan# 418
Delta R.T. 0.04 min
Lab File: VD060281.D
Acq: 2 Nov 2018 00:10

Tgt Ion: 43 Resp: 7200
Ion Ratio Lower Upper
43 100
72 0.0 14.5 21.7#

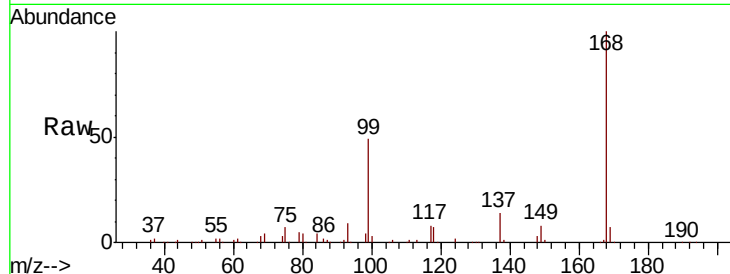




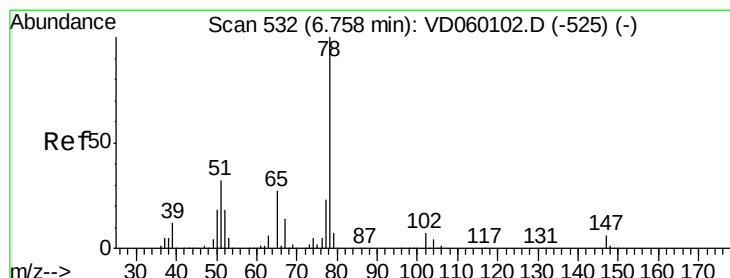
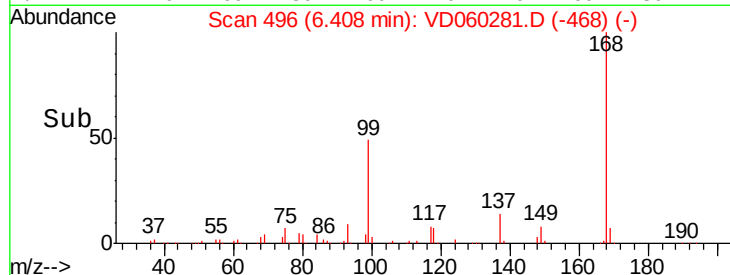
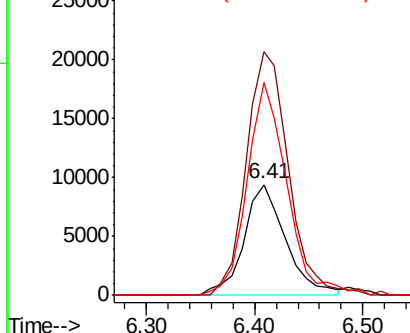
#31
Cyclohexane
Concen: 1.160 ug/l
RT: 6.41 min Scan# 496
Delta R.T. 0.07 min
Lab File: VD060281.D
Acq: 2 Nov 2018 00:10

Instrument :
MSVOA_D
ClientSampled :
TP-6

Tgt Ion: 56 Resp: 25189
Ion Ratio Lower Upper
56 100
69 219.1 22.8 34.2#
84 191.3 64.9 97.3#

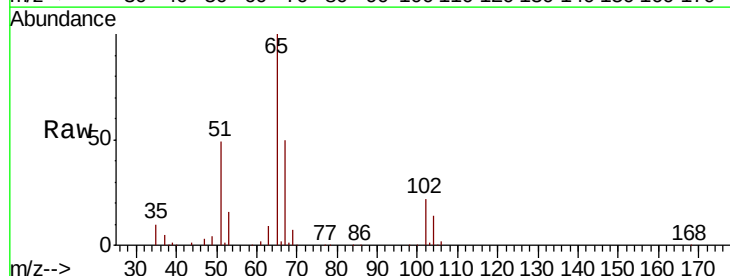


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

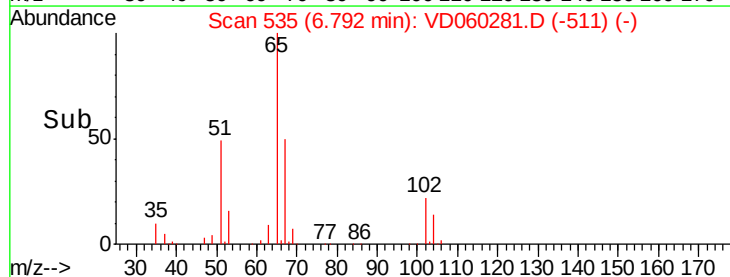
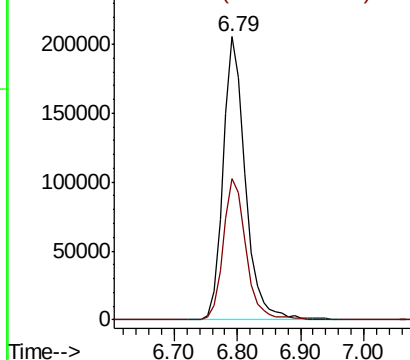


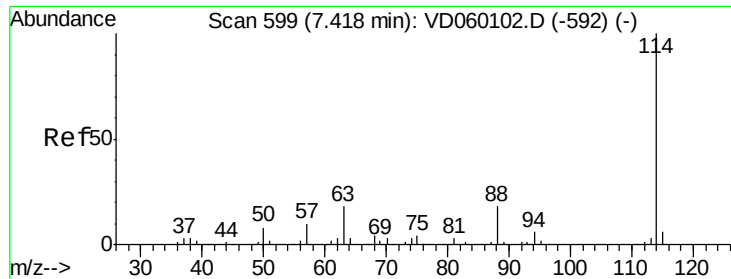
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.03 min
Lab File: VD060281.D
Acq: 2 Nov 2018 00:10

Tgt Ion: 65 Resp: 502915
Ion Ratio Lower Upper
65 100
67 49.8 0.0 106.2



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

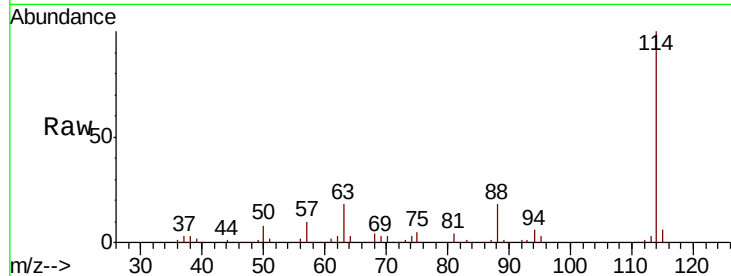




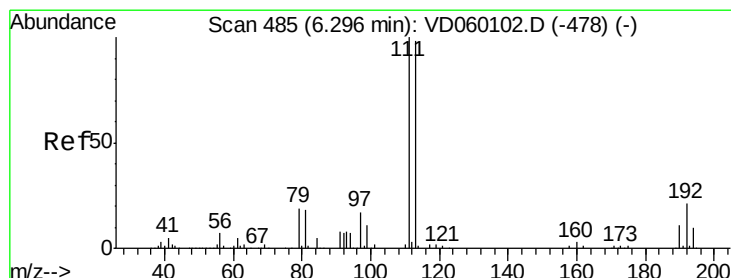
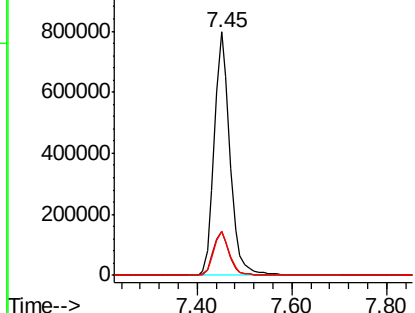
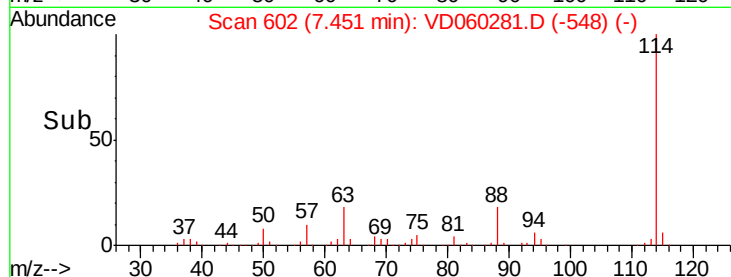
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060281.D
 Acq: 2 Nov 2018 00:10

Instrument :
 MSVOA_D
 ClientSampleId :
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Tgt Ion:114 Resp: 1841459
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.0
 88 18.1 0.0 36.2

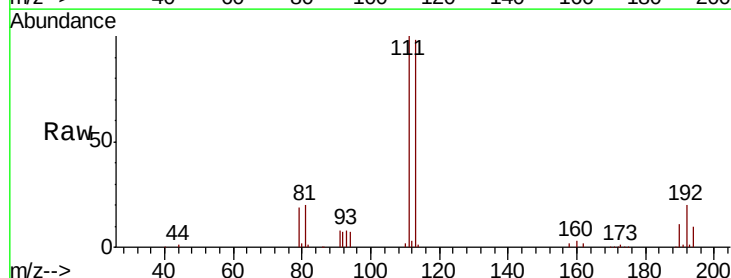


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

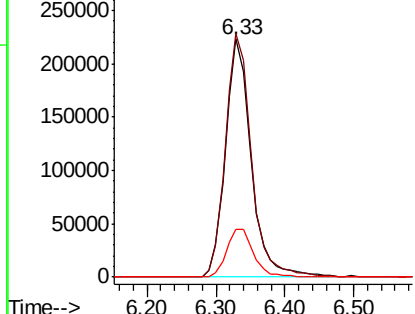
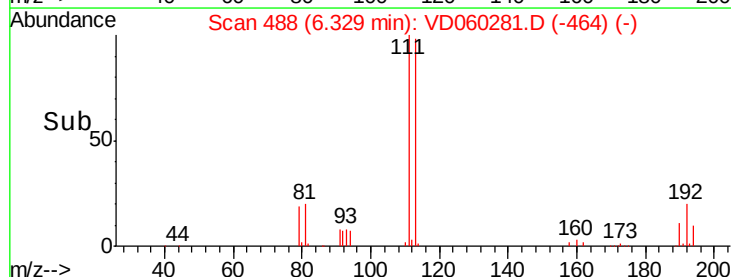


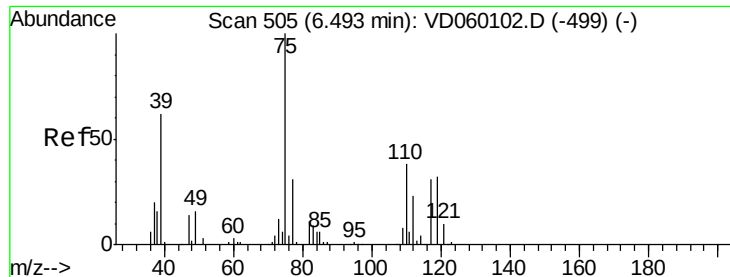
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060281.D
 Acq: 2 Nov 2018 00:10

Tgt Ion:113 Resp: 578377
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.5 122.3
 192 20.2 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

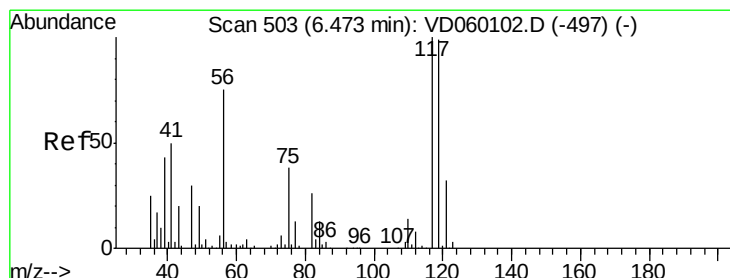
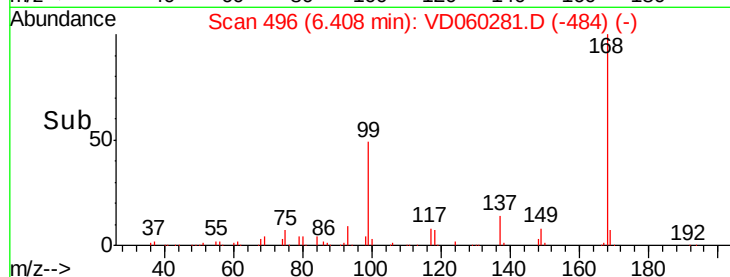
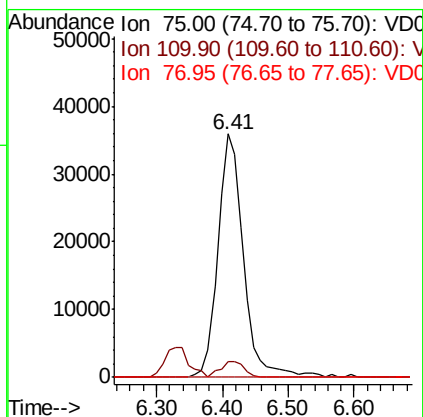
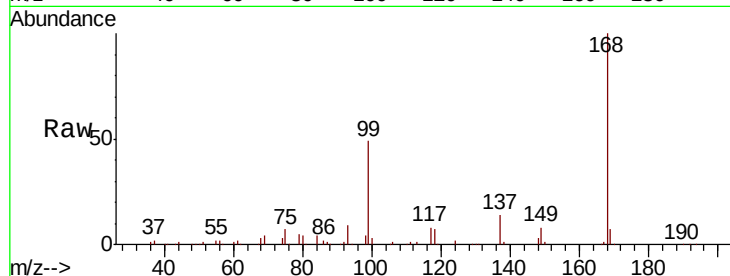




#36
 1,1-Dichloropropene
 Concen: 5.488 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.08 min
 Lab File: VD060281.D
 Acq: 2 Nov 2018 00:10

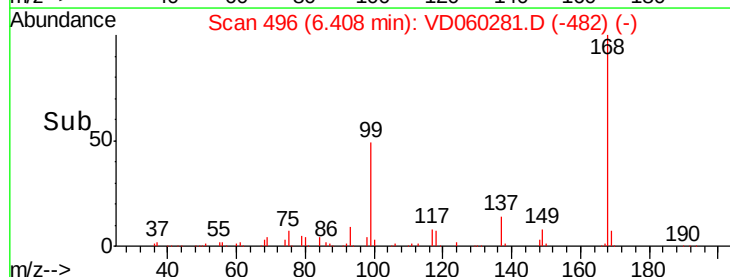
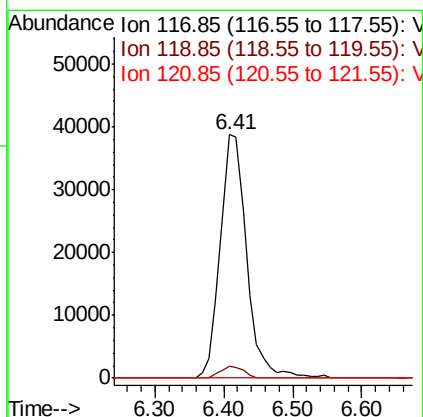
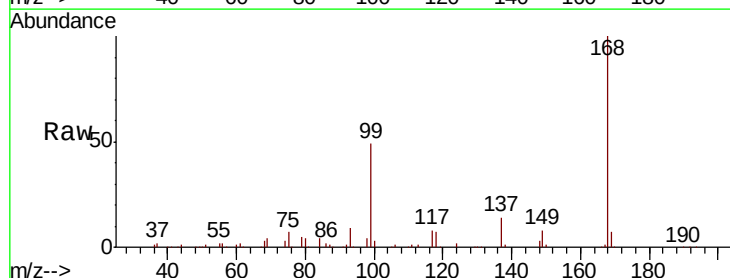
Instrument :
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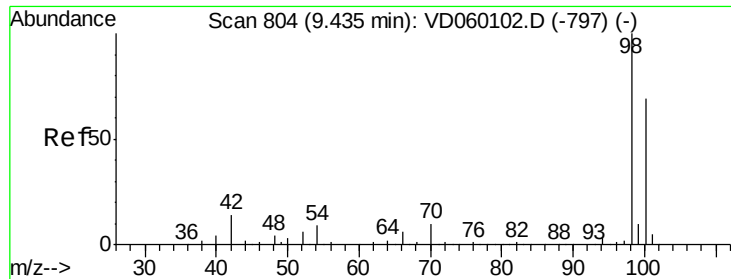
Tgt Ion: 75 Resp: 96571
 Ion Ratio Lower Upper
 75 100
 110 6.6 19.0 57.0#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.473 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.06 min
 Lab File: VD060281.D
 Acq: 2 Nov 2018 00:10

Tgt Ion: 117 Resp: 103373
 Ion Ratio Lower Upper
 117 100
 119 4.9 77.8 116.6#
 121 0.0 24.8 37.2#

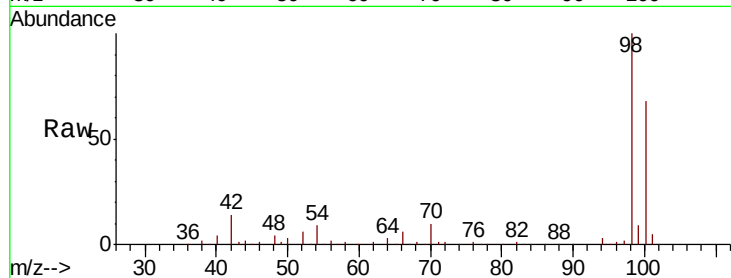




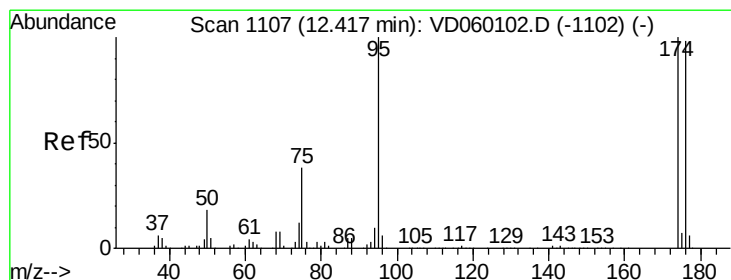
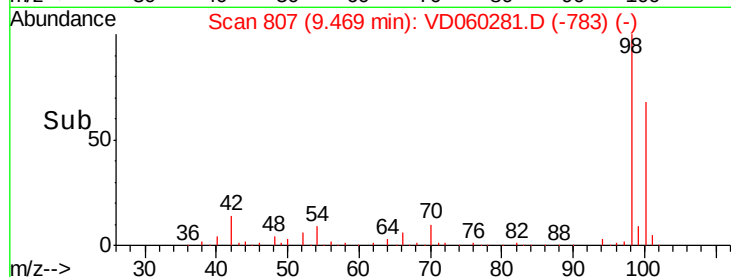
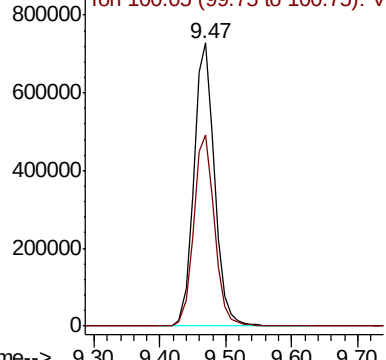
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.03 min
Lab File: VD060281.D
Acq: 2 Nov 2018 00:10

Instrument :
MSVOA_D
ClientSampleId :
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Tgt Ion: 98 Resp: 1596183
Ion Ratio Lower Upper
98 100
100 67.6 55.4 83.0

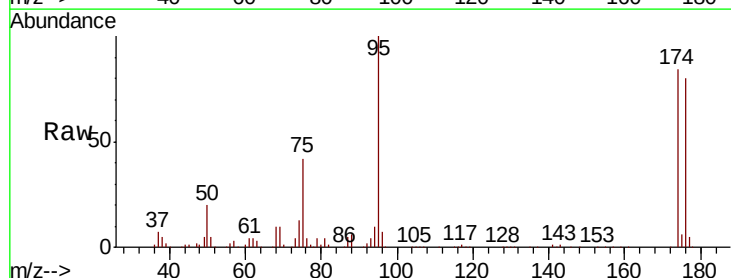


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

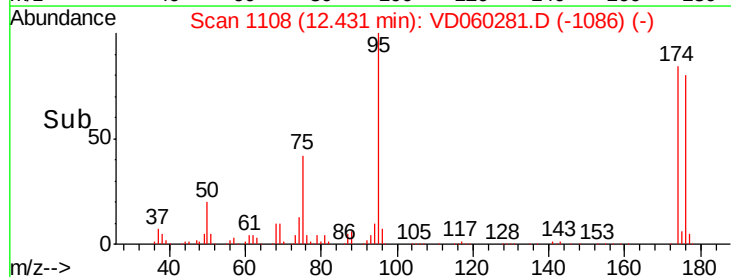
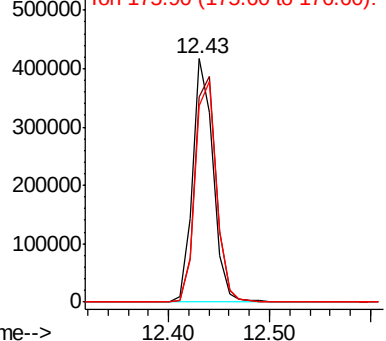


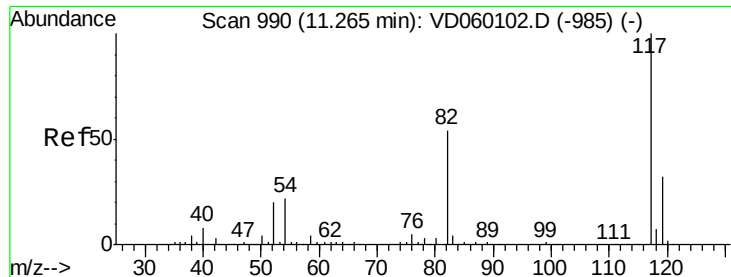
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VD060281.D
Acq: 2 Nov 2018 00:10

Tgt Ion: 95 Resp: 590110
Ion Ratio Lower Upper
95 100
174 84.2 0.0 200.2
176 80.5 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

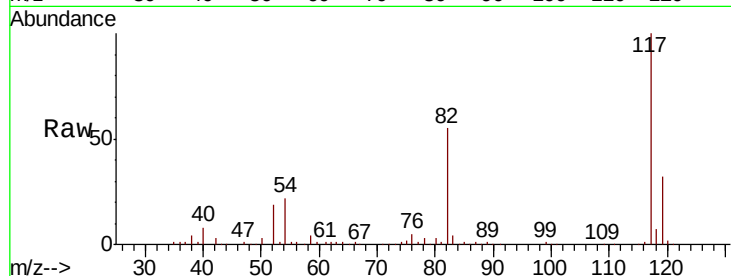




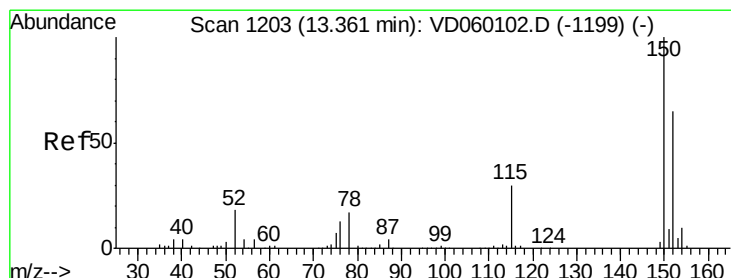
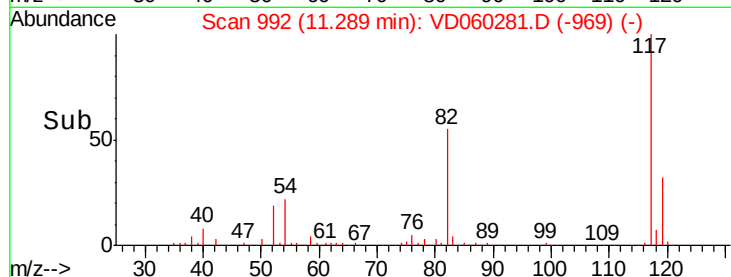
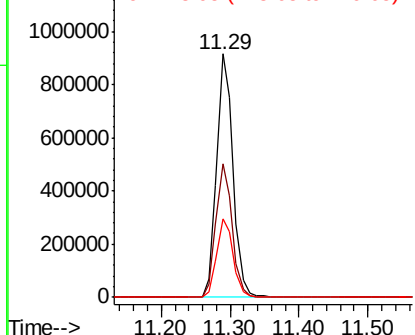
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060281.D
Acq: 2 Nov 2018 00:10

Instrument :
MSVOA_D
ClientSampleId :
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Tgt Ion:117 Resp: 1503351
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.2
119 32.3 26.0 39.0

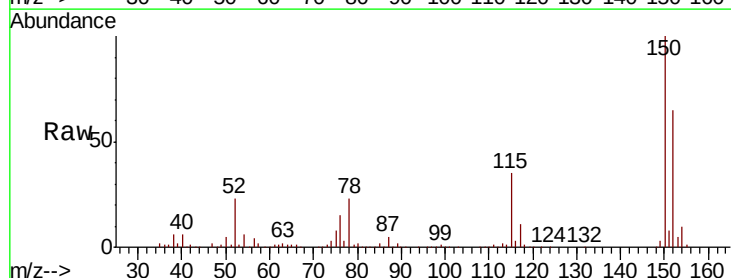


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

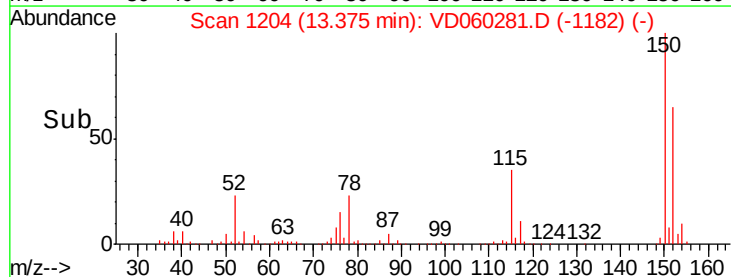
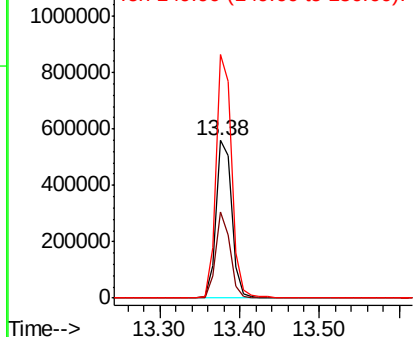


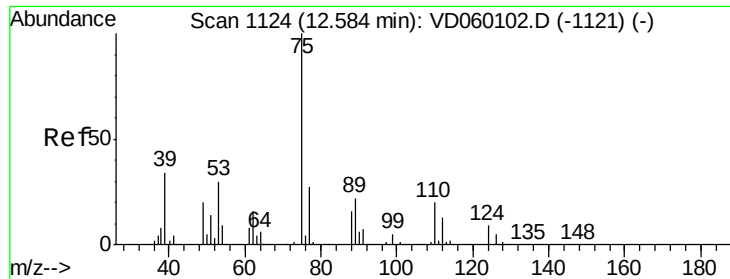
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060281.D
Acq: 2 Nov 2018 00:10

Tgt Ion:152 Resp: 786335
Ion Ratio Lower Upper
152 100
115 54.8 27.1 81.2
150 154.5 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: 21.519 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.15 min

Lab File: VD060281.D

Acq: 2 Nov 2018 00:10

Instrument :

MSVOA_D

ClientSampleId :

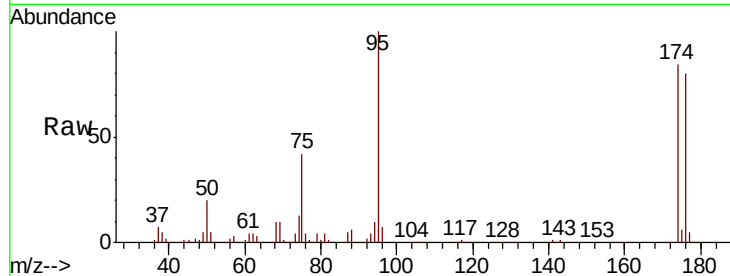
TP-6

Tgt Ion: 75 Resp: 243680

Ion Ratio Lower Upper

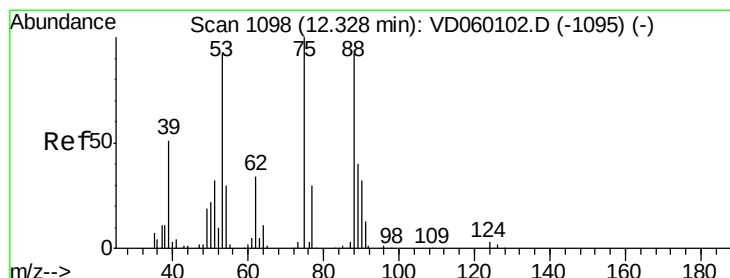
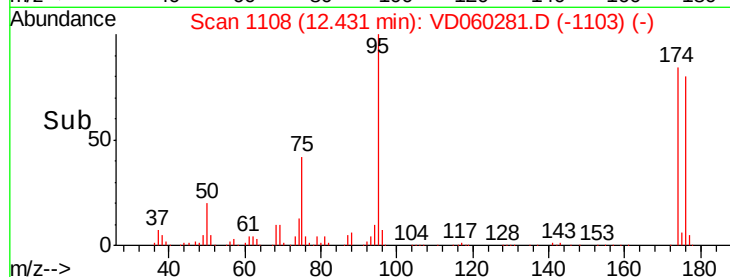
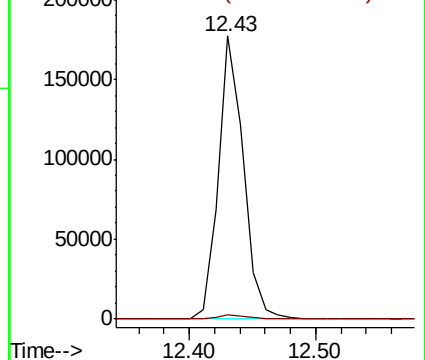
75 100

77 1.6 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 76.445 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060281.D

Acq: 2 Nov 2018 00:10

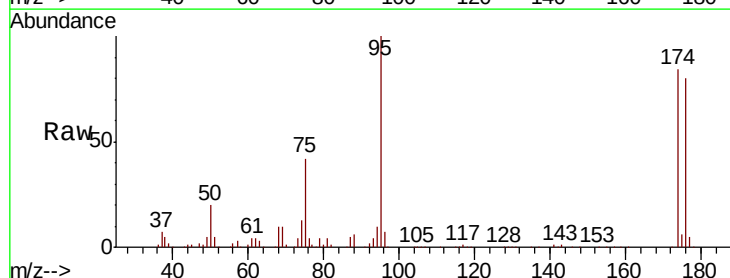
Tgt Ion: 75 Resp: 243243

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

