

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112018\
 Data File : VD060431.D
 Acq On : 20 Nov 2018 17:28
 Operator : JC/SY
 Sample : J5772-05
 Misc : 6.14g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 21 01:16:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1358486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1927230	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1463373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	614295	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	452884	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
35) Dibromofluoromethane	6.34	113	662318	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	
50) Toluene-d8	9.47	98	1696057	40.32	ug/l	0.00
Spiked Amount			Recovery	=	80.64%	
62) 4-Bromofluorobenzene	12.43	95	592549	38.88	ug/l	0.00
Spiked Amount			Recovery	=	77.76%	

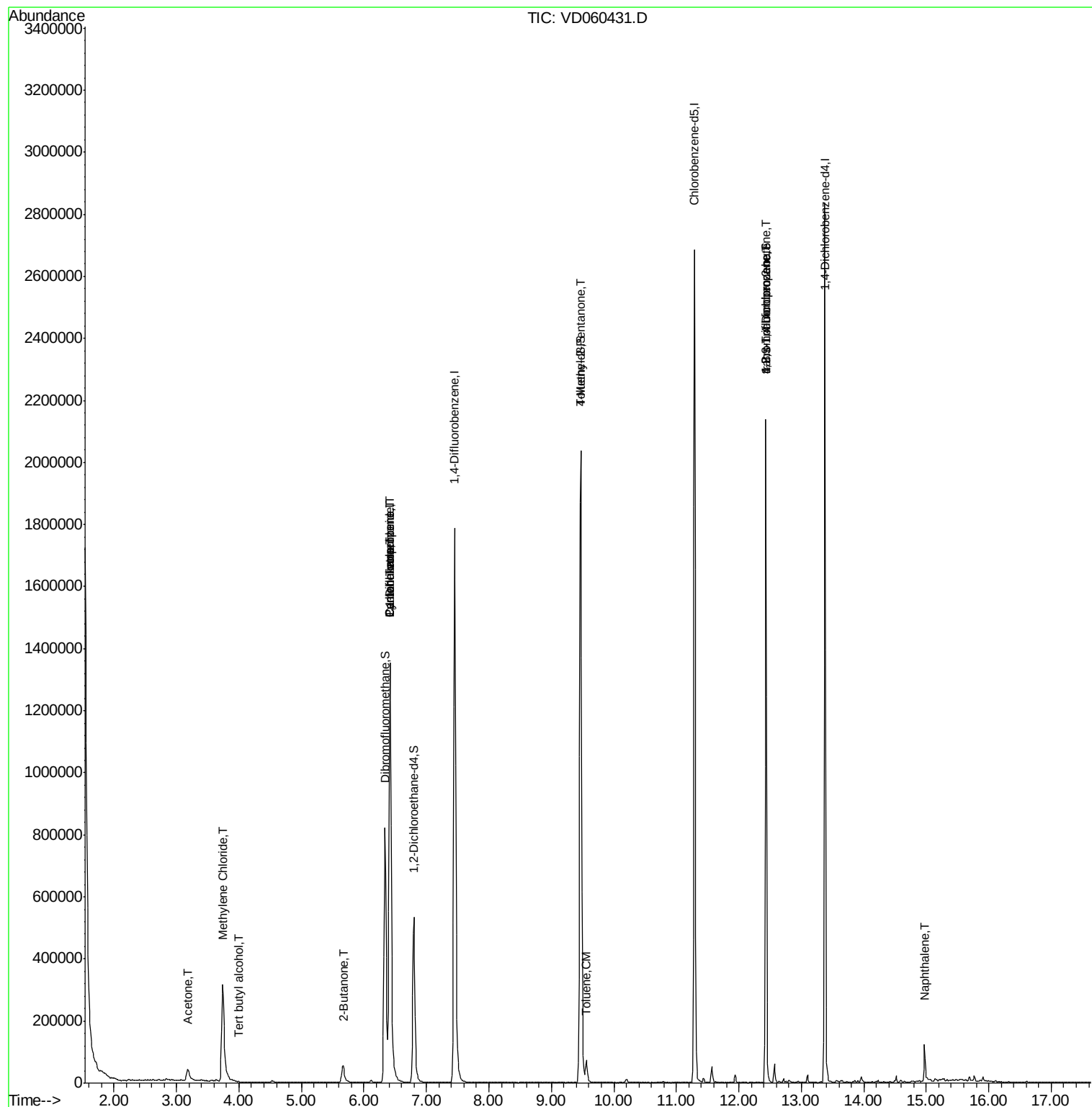
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	194	Below Cal	#	41
11) Tert butyl alcohol	3.99	59	1039	2.601	ug/l #	70
16) Acetone	3.18	43	93880	55.641	ug/l	93
20) Methylene Chloride	3.74	84	218609	14.606	ug/l	99
25) 2-Butanone	5.67	43	4696	1.339	ug/l #	60
31) Cyclohexane	6.42	56	25574	1.101	ug/l #	1
36) 1,1-Dichloropropene	6.42	75	93400	4.905	ug/l #	47
38) Carbon Tetrachloride	6.42	117	104018	5.889	ug/l #	16
51) 4-Methyl-2-Pentanone	9.46	43	9769	1.364	ug/l #	1
52) Toluene	9.56	92	32113	1.034	ug/l	100
76) 1,2,3-Trichloropropane	12.43	75	165870	22.572	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	232423	111.097	ug/l #	15
89) n-Butylbenzene	13.65	91	3083	Below Cal		93
95) Naphthalene	14.97	128	67083	3.988	ug/l	98

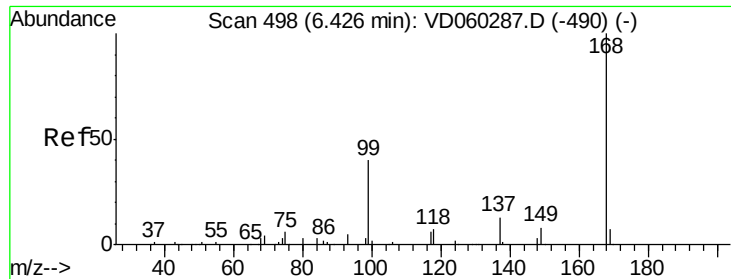
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112018\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060431.D

Acq: 20 Nov 2018 17:28

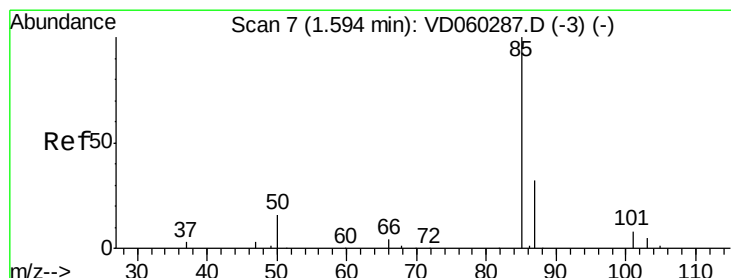
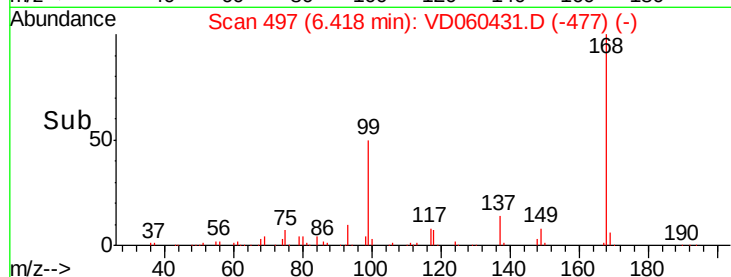
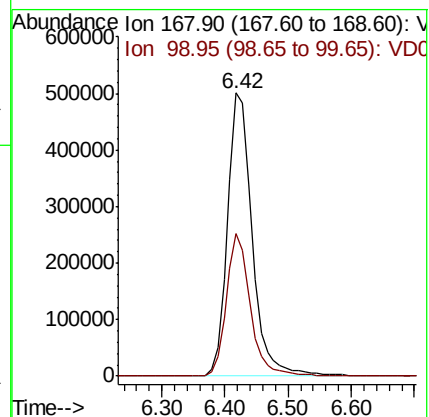
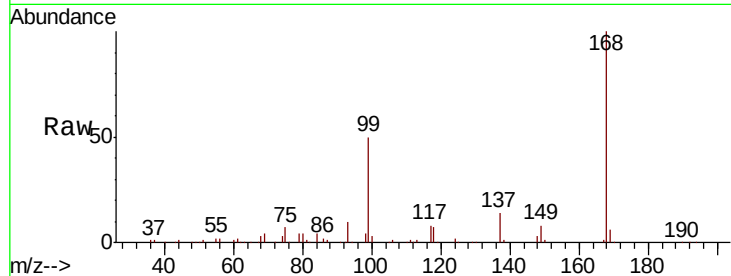
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1358486

Ion Ratio Lower Upper

168 100

99 50.5 39.8 59.8



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060431.D

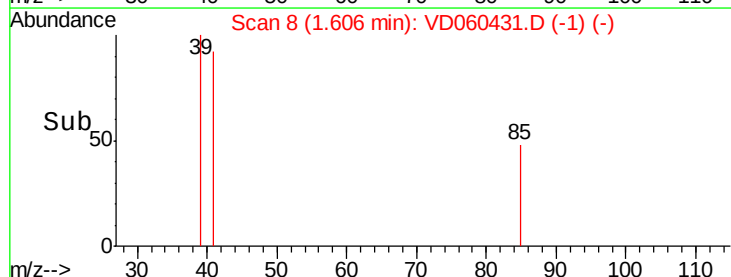
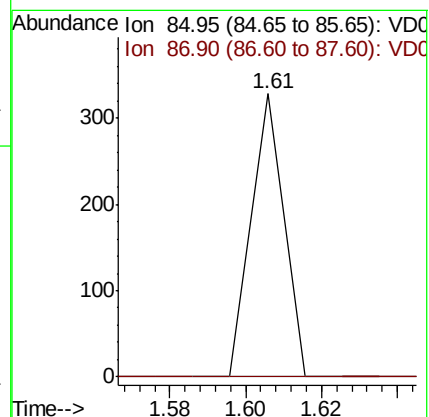
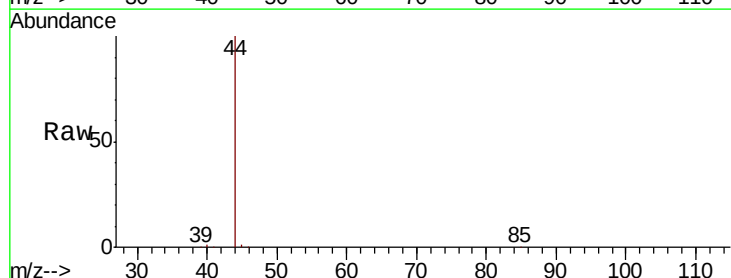
Acq: 20 Nov 2018 17:28

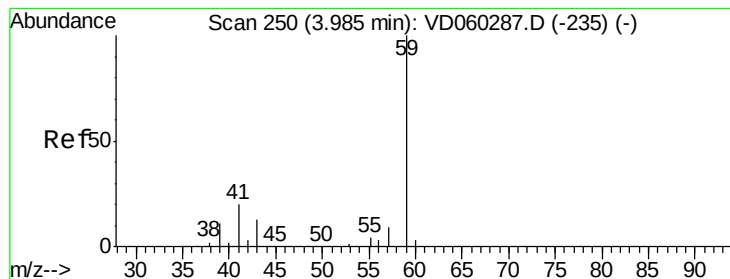
Tgt Ion: 85 Resp: 194

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#



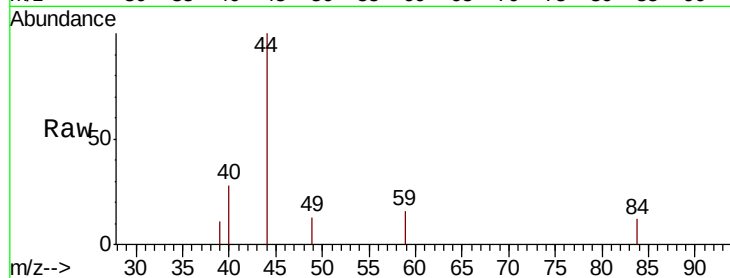


#11

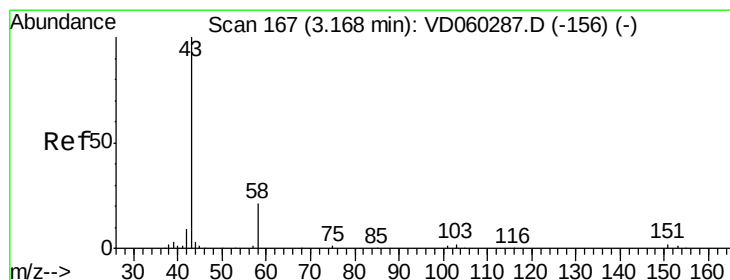
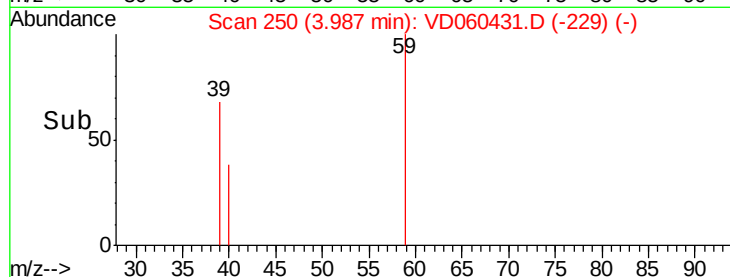
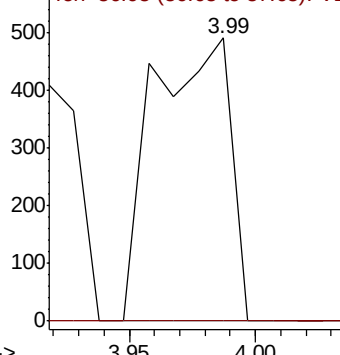
Tert butyl alcohol
 Concen: 2.601 ug/l
 RT: 3.99 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VD060431.D
 Acq: 20 Nov 2018 17:28

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 1039
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#



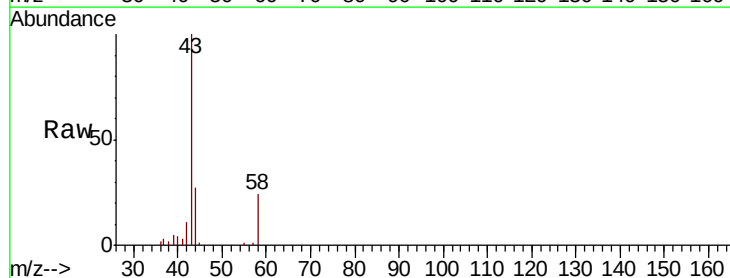
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



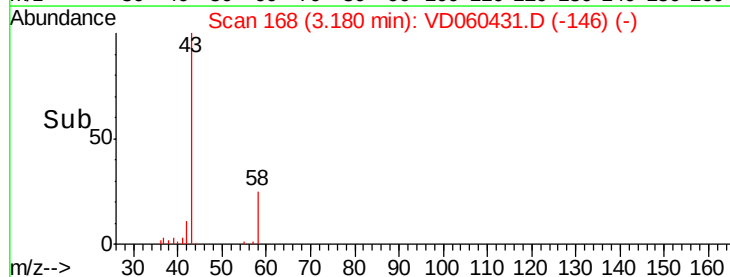
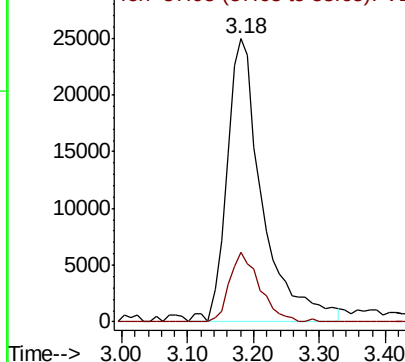
#16

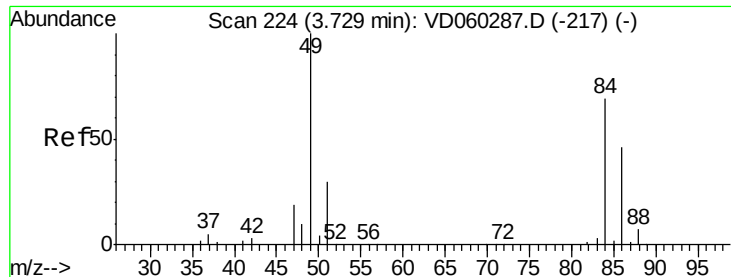
Acetone
 Concen: 55.641 ug/l
 RT: 3.18 min Scan# 168
 Delta R.T. 0.01 min
 Lab File: VD060431.D
 Acq: 20 Nov 2018 17:28

Tgt Ion: 43 Resp: 93880
 Ion Ratio Lower Upper
 43 100
 58 24.4 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

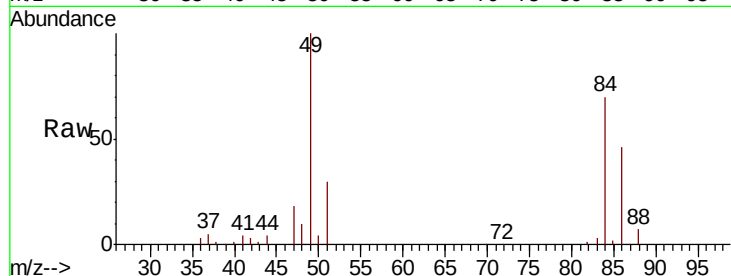




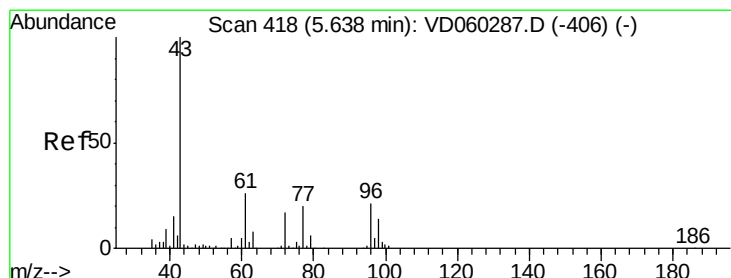
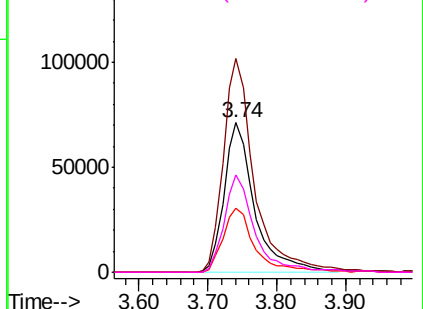
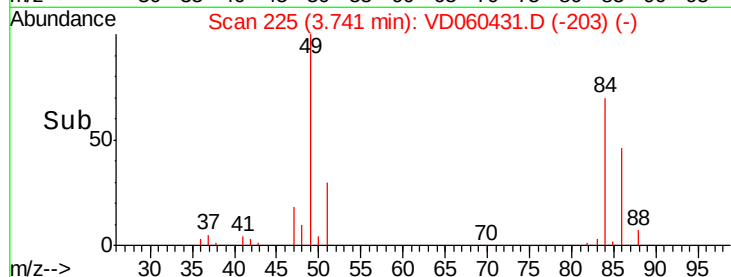
#20
Methvlene Chloride
Concen: 14.606 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060431.D
Acq: 20 Nov 2018 17:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 218609
Ion Ratio Lower Upper
84 100
49 142.9 115.6 173.4
51 43.2 35.6 53.4
86 65.4 52.3 78.5

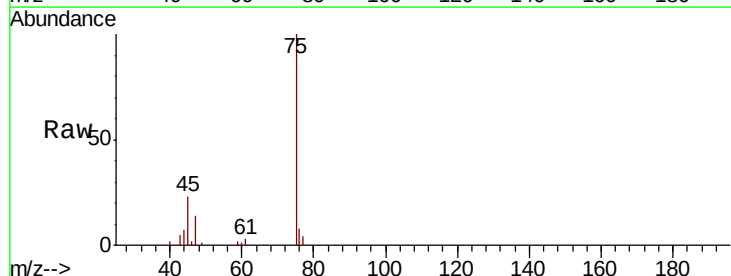


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

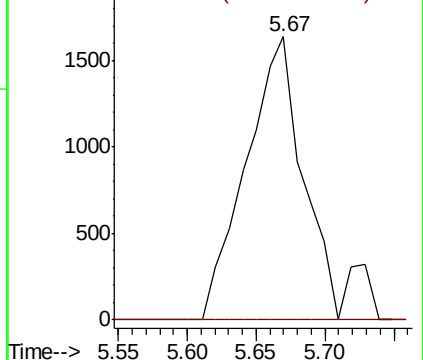
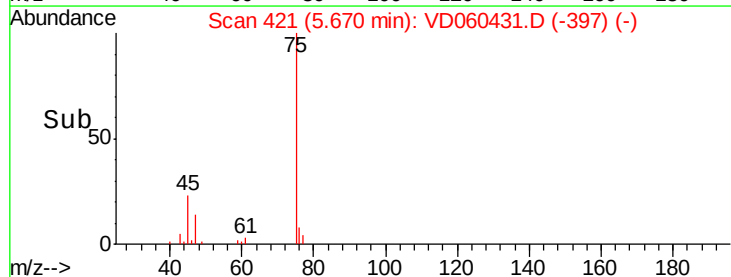


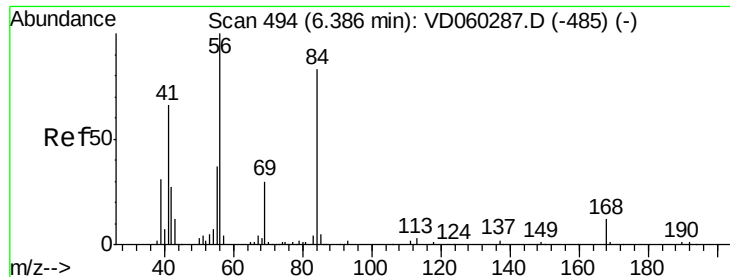
#25
2-Butanone
Concen: 1.339 ug/l
RT: 5.67 min Scan# 421
Delta R.T. 0.03 min
Lab File: VD060431.D
Acq: 20 Nov 2018 17:28

Tgt Ion: 43 Resp: 4696
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

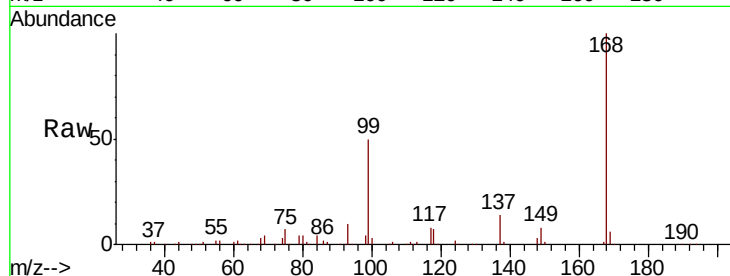




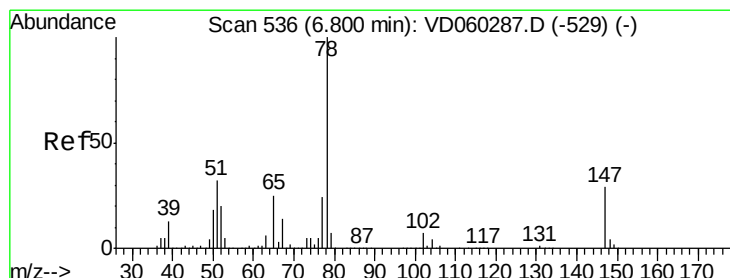
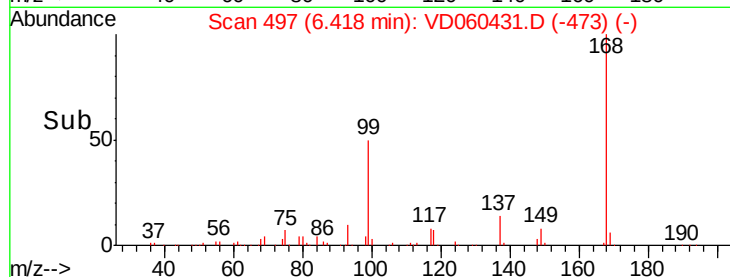
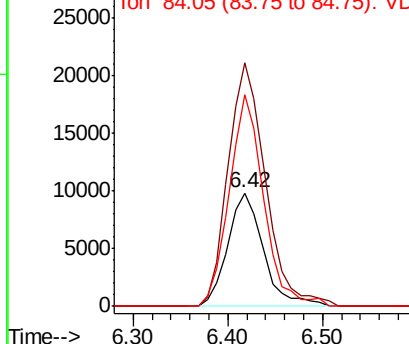
#31
Cyclohexane
Concen: 1.101 ug/l
RT: 6.42 min Scan# 497
Delta R.T. 0.03 min
Lab File: VD060431.D
Acq: 20 Nov 2018 17:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 25574
Ion Ratio Lower Upper
56 100
69 214.6 22.2 33.2#
84 186.2 63.0 94.4#

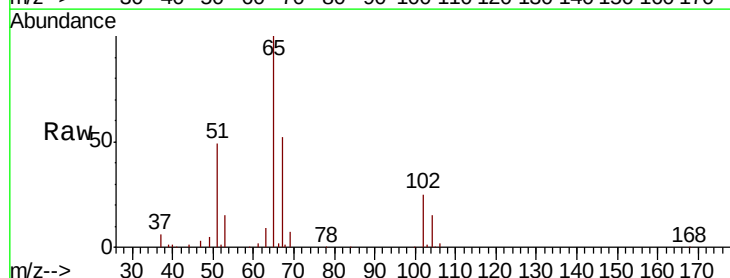


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

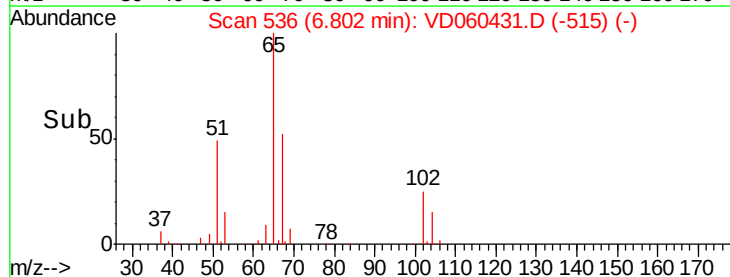
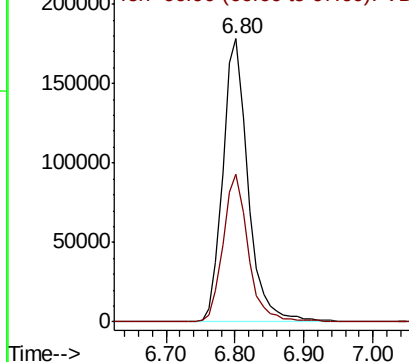


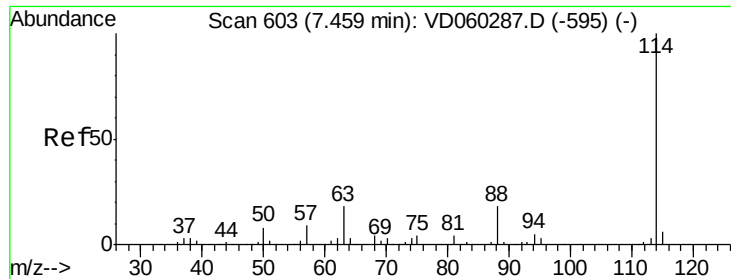
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.00 min
Lab File: VD060431.D
Acq: 20 Nov 2018 17:28

Tgt Ion: 65 Resp: 452884
Ion Ratio Lower Upper
65 100
67 52.2 0.0 109.8



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

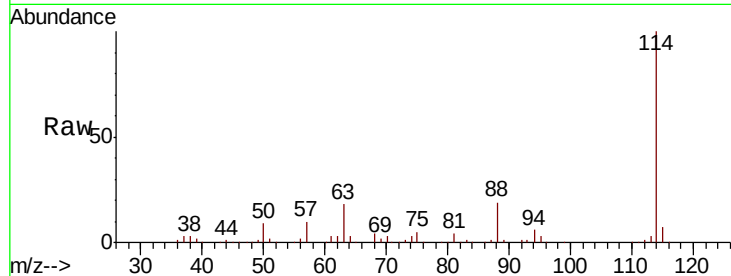




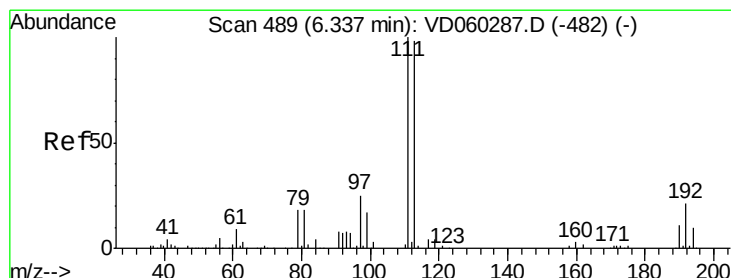
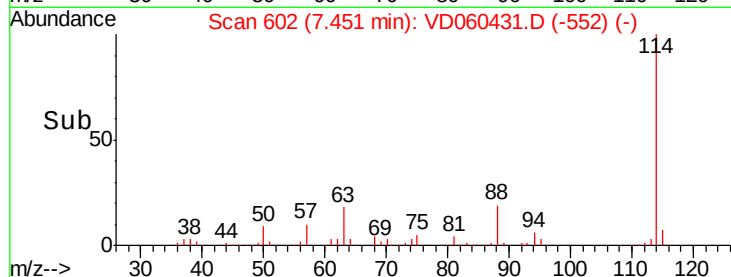
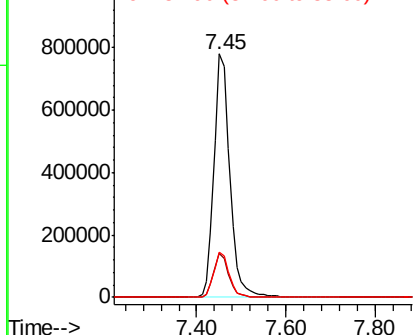
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060431.D
 Acq: 20 Nov 2018 17:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1927230
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.0
 88 18.7 0.0 35.4

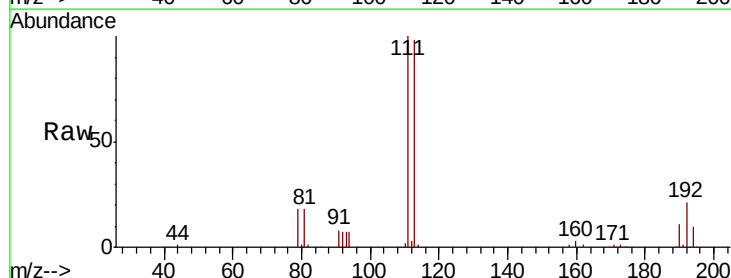


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

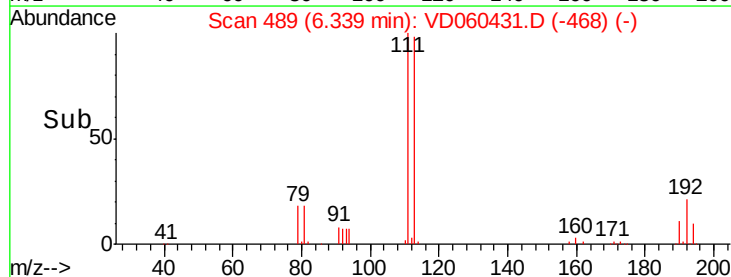
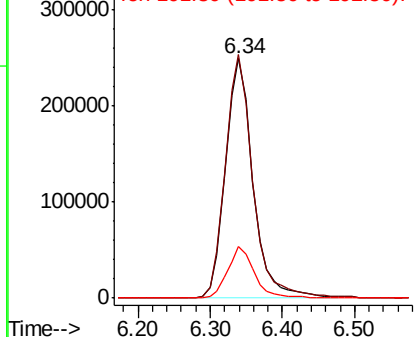


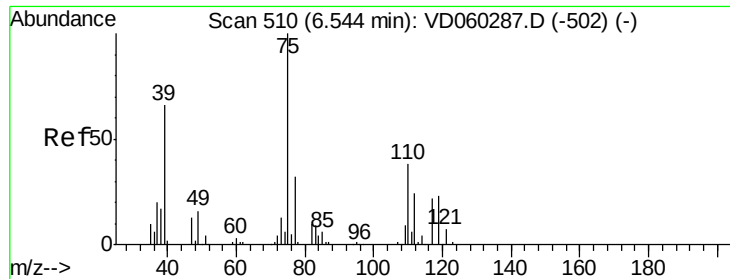
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: VD060431.D
 Acq: 20 Nov 2018 17:28

Tgt Ion:113 Resp: 662318
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.6 122.4
 192 21.5 16.5 24.7



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

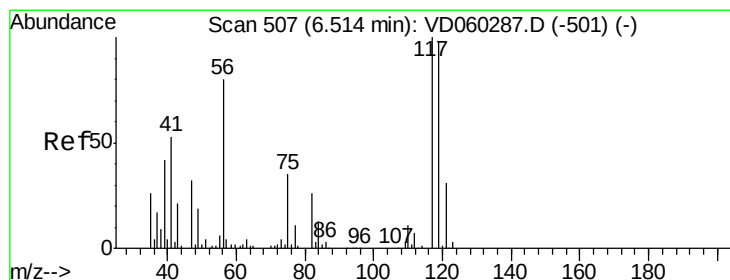
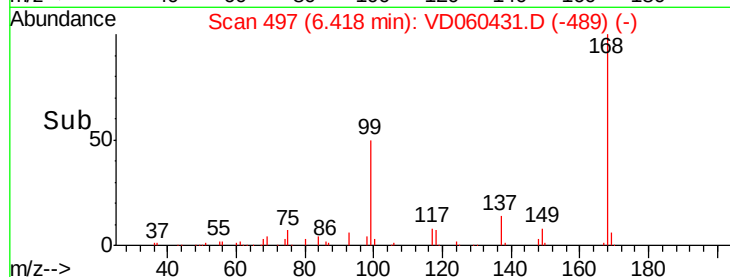
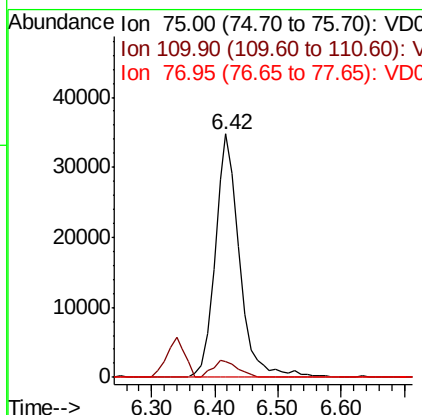
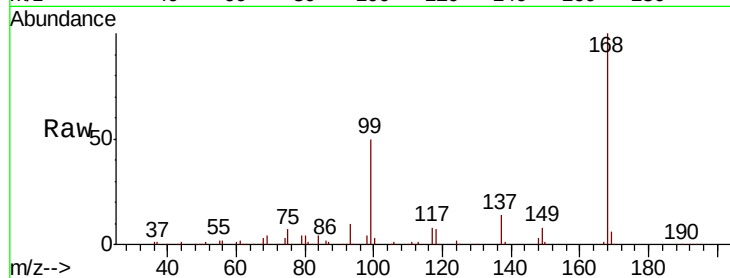




#36
 1,1-Dichloropropene
 Concen: 4.905 ug/l
 RT: 6.42 min Scan# 497
 Delta R.T. -0.13 min
 Lab File: VD060431.D
 Acq: 20 Nov 2018 17:28

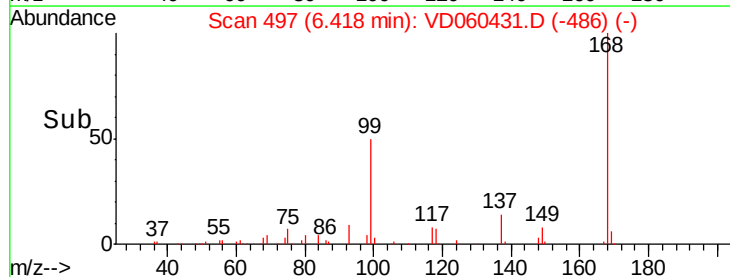
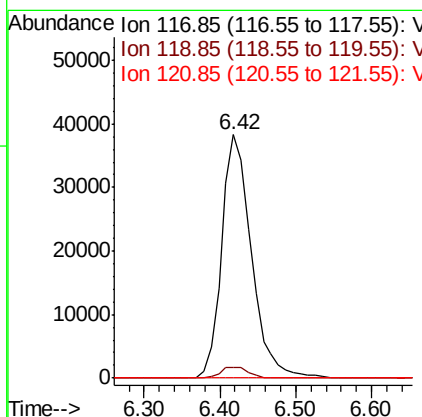
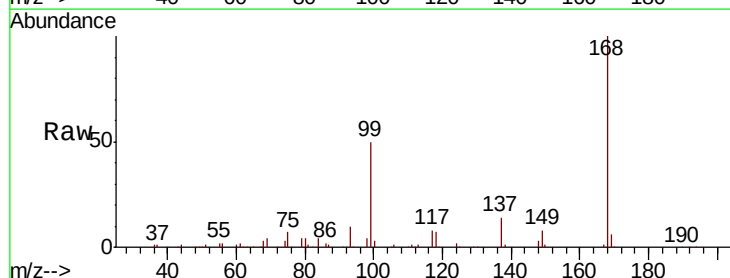
Instrument :
 MSVOA_D
 ClientSampleId :

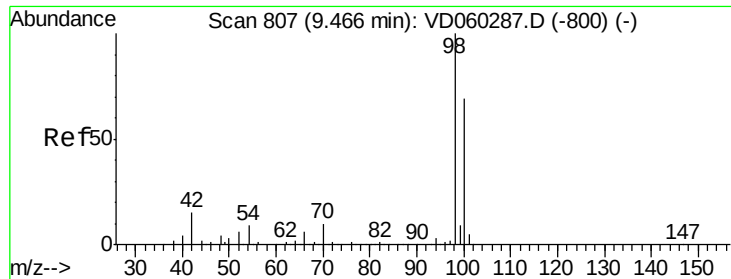
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.6	18.0	54.0#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.889 ug/l
 RT: 6.42 min Scan# 497
 Delta R.T. -0.10 min
 Lab File: VD060431.D
 Acq: 20 Nov 2018 17:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.6	115.0#
121	0.0	24.3	36.5#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.47 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060431.D

Acq: 20 Nov 2018 17:28

Instrument :

MSVOA_D

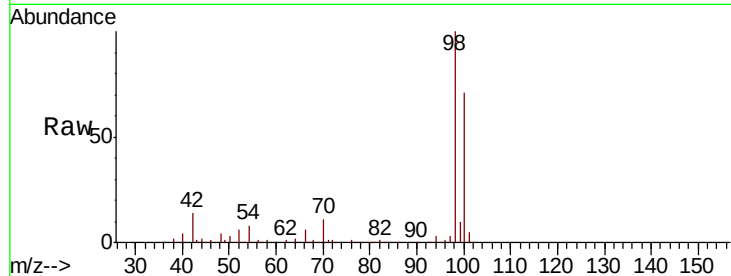
ClientSampleId :

Tot Ion: 98 Resp: 1696057

Ion Ratio Lower Upper

98 100

100 70.9 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

9.47

800000

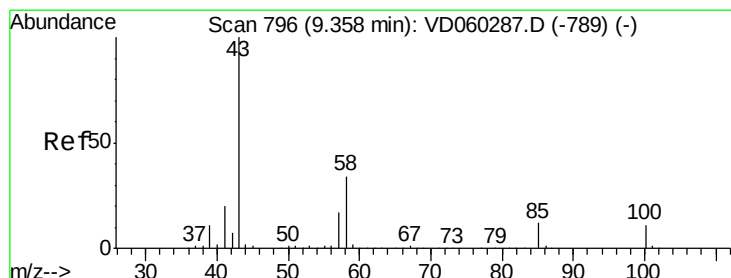
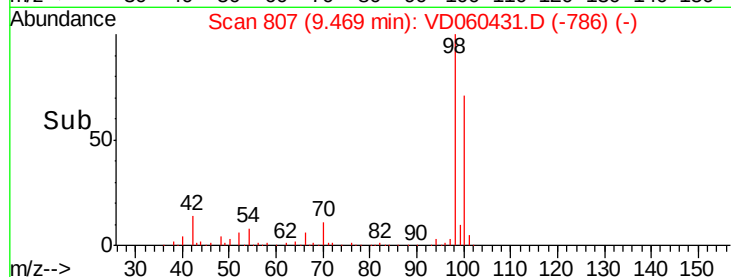
600000

400000

200000

0

Time--> 9.30 9.40 9.50 9.60



#51

4-Methyl-2-Pentanone

Concen: 1.364 ug/l

RT: 9.46 min Scan# 806

Delta R.T. 0.10 min

Lab File: VD060431.D

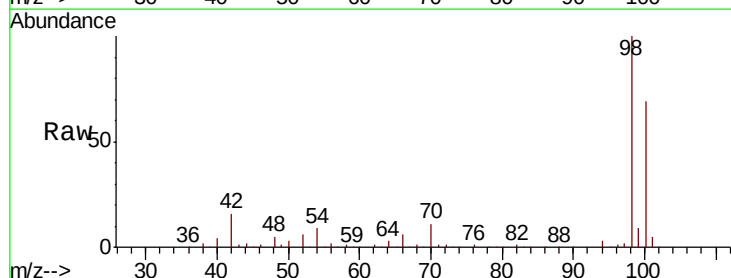
Acq: 20 Nov 2018 17:28

Tgt Ion: 43 Resp: 9769

Ion Ratio Lower Upper

43 100

58 152.9 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.46

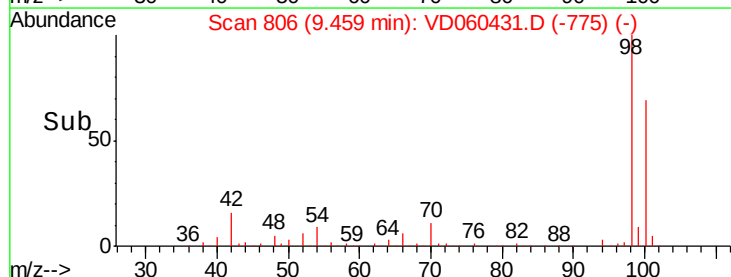
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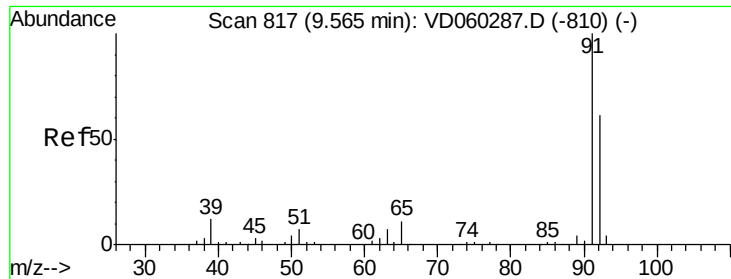
4000

2000

0

Time--> 9.40 9.45 9.50





#52

Toluene

Concen: 1.034 ug/l

RT: 9.56 min Scan# 816

Delta R.T. -0.01 min

Lab File: VD060431.D

Acq: 20 Nov 2018 17:28

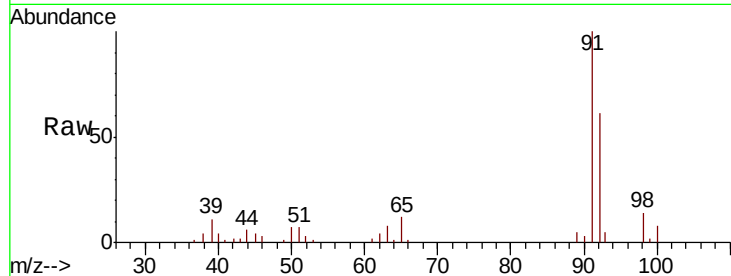
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 32113

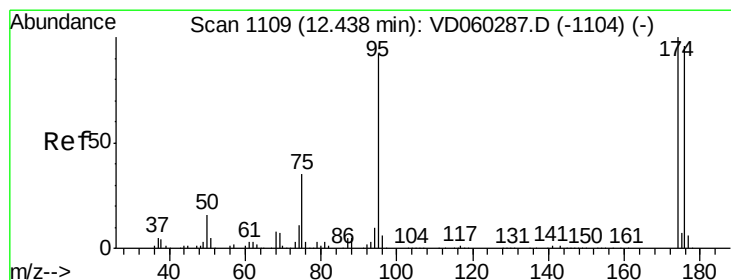
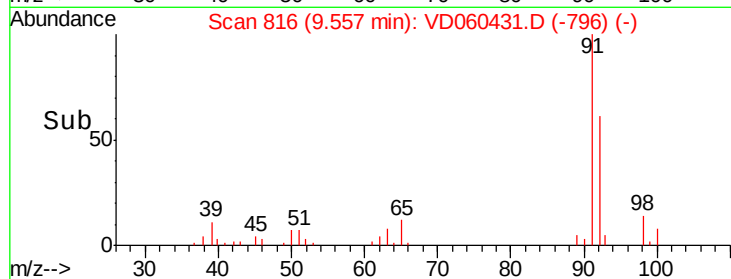
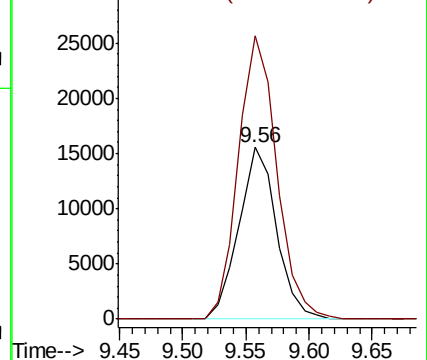
Ion Ratio Lower Upper

92 100

91 164.6 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060431.D

Acq: 20 Nov 2018 17:28

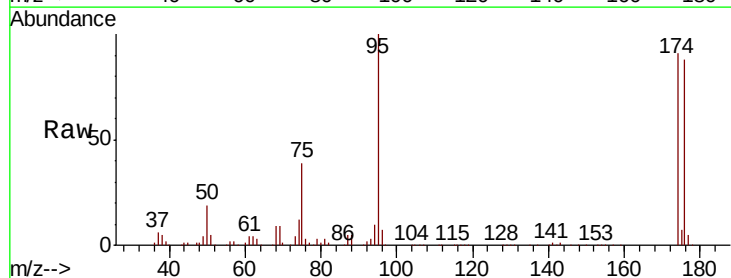
Tgt Ion: 95 Resp: 592549

Ion Ratio Lower Upper

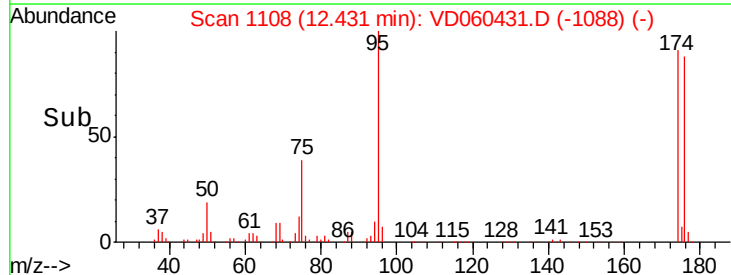
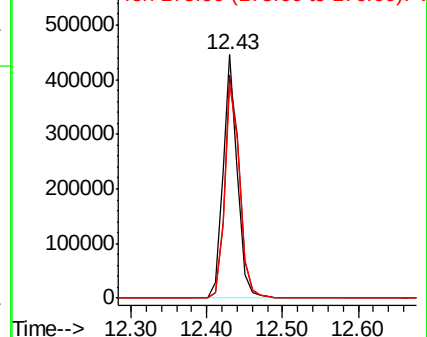
95 100

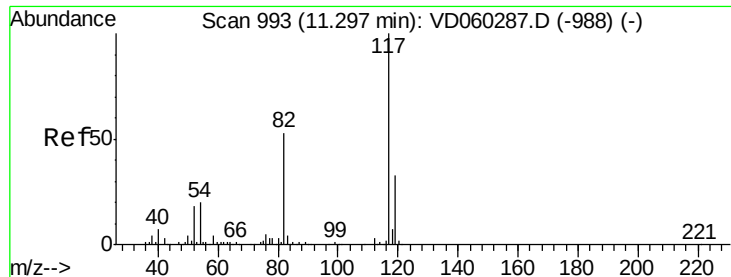
174 91.5 0.0 160.8

176 88.0 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): VDC
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. -0.01 min

Lab File: VD060431.D

Acq: 20 Nov 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

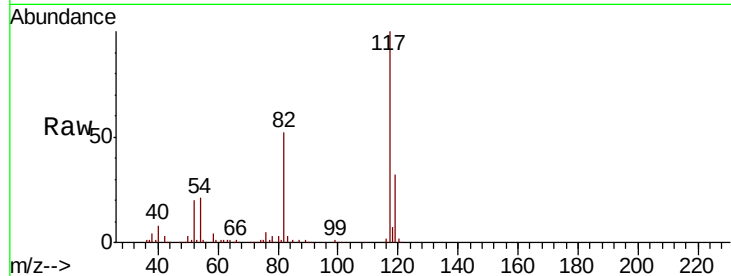
Tot Ion:117 Resp: 1463373

Ion Ratio Lower Upper

117 100

82 52.5 43.7 65.5

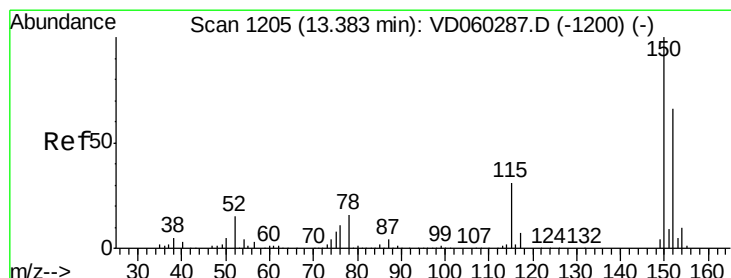
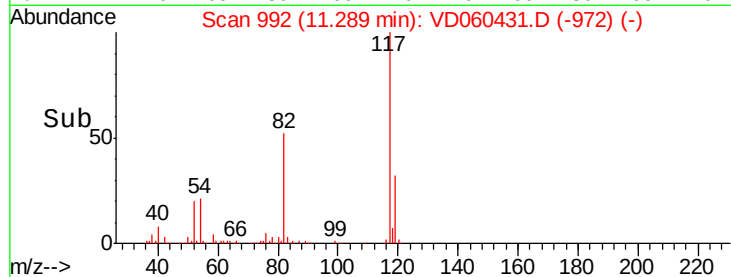
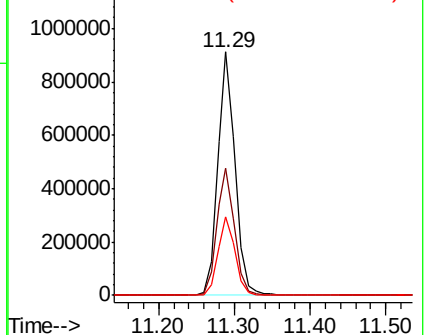
119 32.4 26.1 39.1



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: 13.38 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060431.D

Acq: 20 Nov 2018 17:28

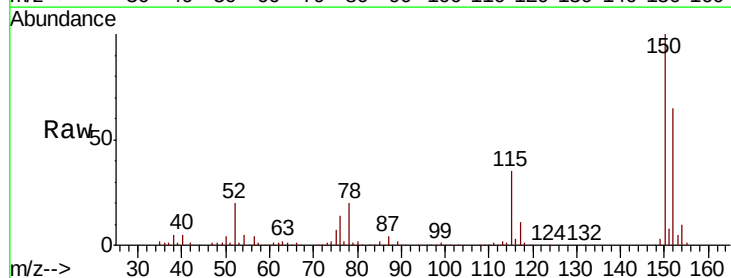
Tgt Ion:152 Resp: 614295

Ion Ratio Lower Upper

152 100

115 54.3 24.1 72.3

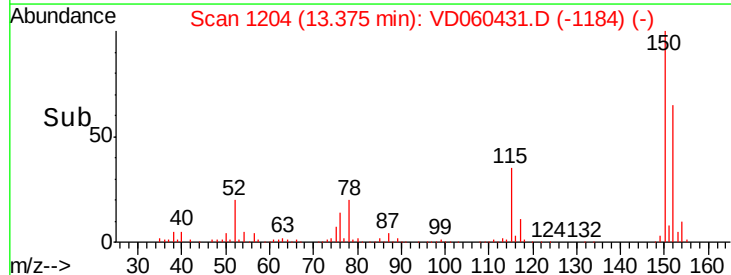
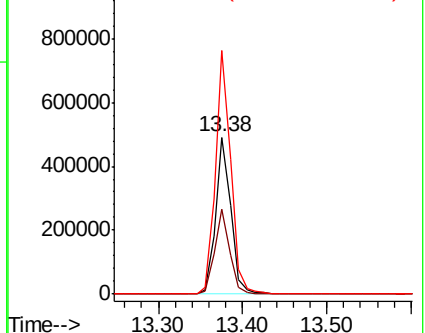
150 155.0 0.0 310.6

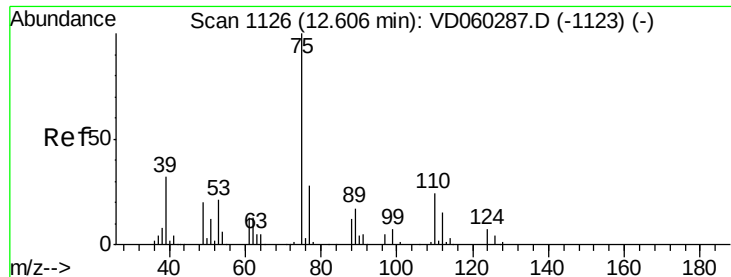


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.572 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.17 min

Lab File: VD060431.D

Acq: 20 Nov 2018 17:28

Instrument :

MSVOA_D

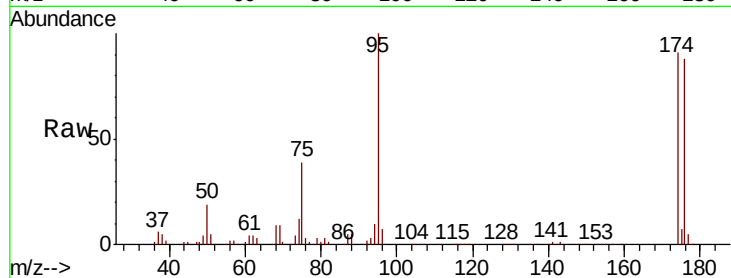
ClientSampleId :

Tot Ion: 75 Resp: 165870

Ion Ratio Lower Upper

75 100

77 1.6 16.4 49.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.43

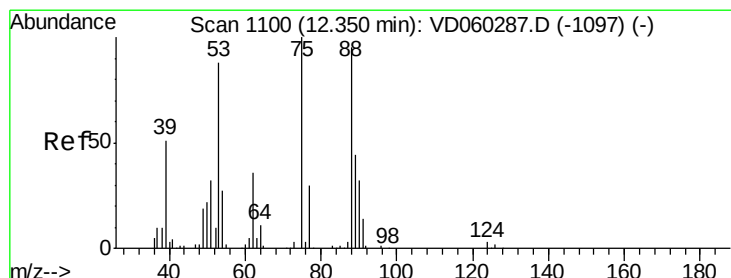
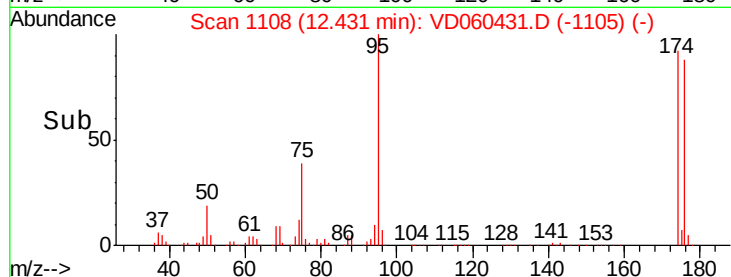
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 111.097 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060431.D

Acq: 20 Nov 2018 17:28

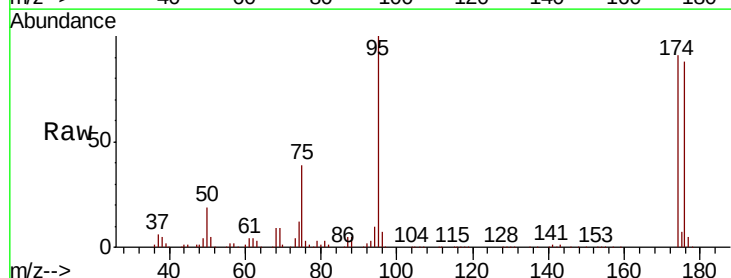
Tgt Ion: 75 Resp: 232423

Ion Ratio Lower Upper

75 100

53 0.0 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

12.43

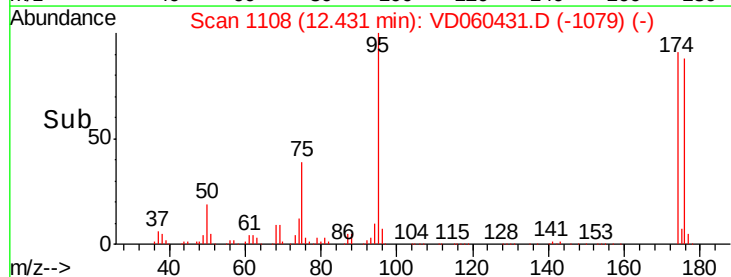
150000

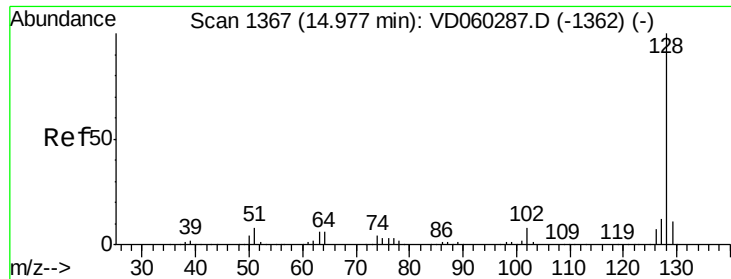
100000

50000

0

Time-->





#95

Naphthalene

Concen: 3.988 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD060431.D

Acq: 20 Nov 2018 17:28

Instrument :

MSVOA_D

ClientSampleId :

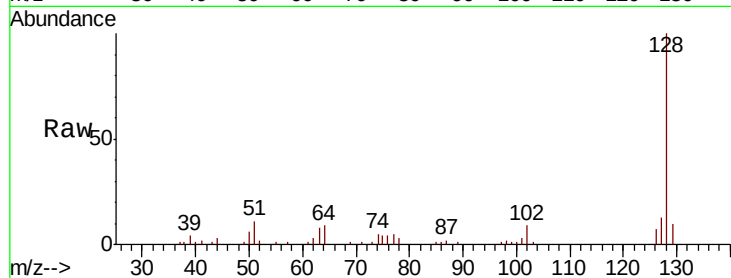
Tot Ion:128 Resp: 67083

Ion Ratio Lower Upper

128 100

127 13.1 9.6 14.4

129 10.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

