

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120318\
 Data File : VD060475.D
 Acq On : 3 Dec 2018 15:14
 Operator : VA/AP
 Sample : J5764-27
 Misc : 5.89g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-113018-D

Quant Time: Dec 04 02:22:21 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	6.43	168	1340653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	1861276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1349291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	524055	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	384828	40.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.18%	
35) Dibromofluoromethane	6.34	113	569320	41.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.04%	
50) Toluene-d8	9.47	98	1457689	35.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	71.78%	
62) 4-Bromofluorobenzene	12.44	95	459750	31.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	62.46%	

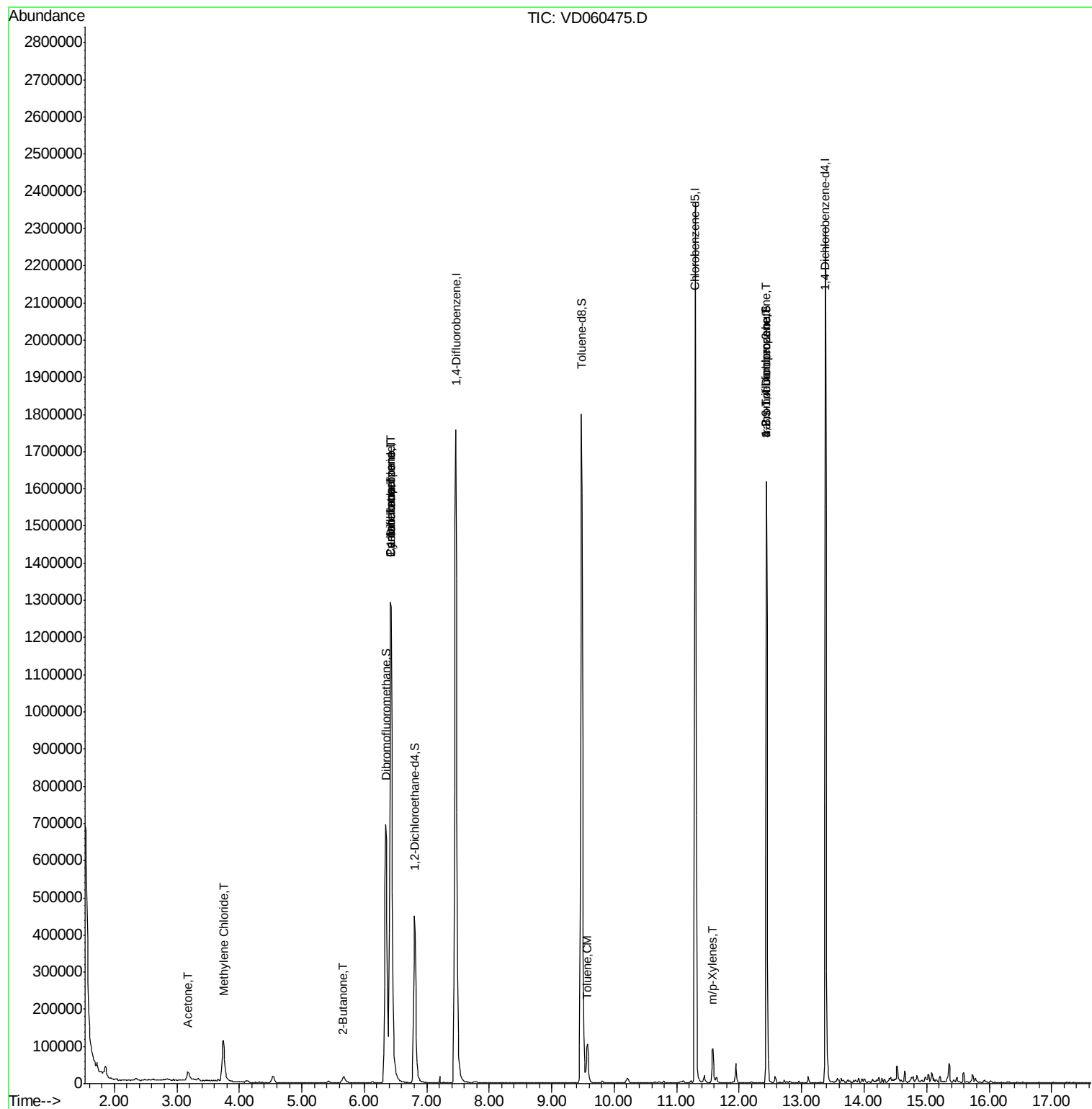
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	198	Below Cal	#	41
16) Acetone	3.18	43	51576	30.975	ug/l	98
20) Methylene Chloride	3.75	84	75850	5.135	ug/l	96
25) 2-Butanone	5.65	43	8067	2.331	ug/l #	60
31) Cyclohexane	6.43	56	24020	1.048	ug/l #	1
36) 1,1-Dichloropropene	6.42	75	90779	4.937	ug/l #	47
38) Carbon Tetrachloride	6.42	117	105353	6.176	ug/l #	15
52) Toluene	9.57	92	51295	1.711	ug/l	93
68) m/p-Xylenes	11.58	106	29442	1.596	ug/l	92
76) 1,2,3-Trichloropropane	12.44	75	147930	23.597	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.44	75	182833	102.442	ug/l #	15
89) n-Butylbenzene	13.66	91	3300	Below Cal		92

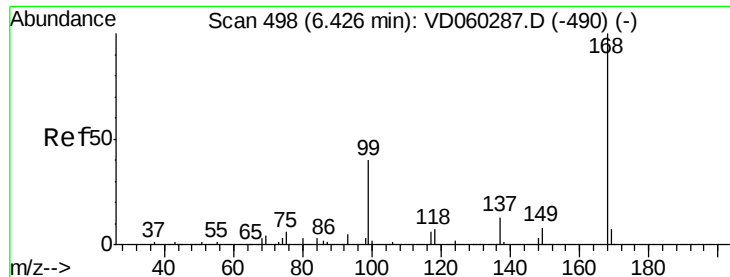
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120318\
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JC-02-113018-D

Quant Time: Dec 04 02:22:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060475.D

Acq: 3 Dec 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

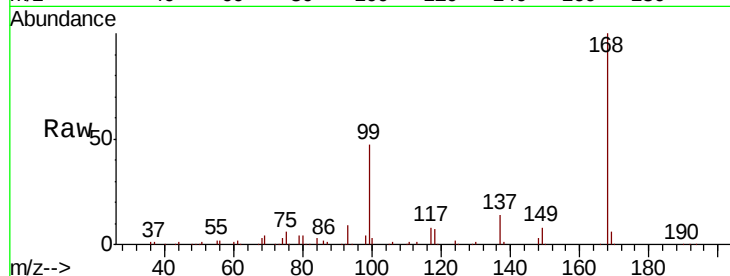
JC-02-113018-D

Tot Ion:168 Resp: 1340653

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

6.43

500000

400000

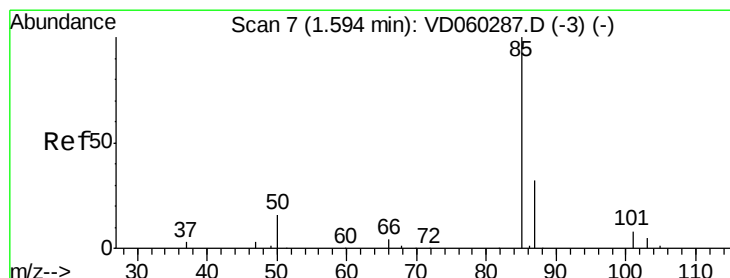
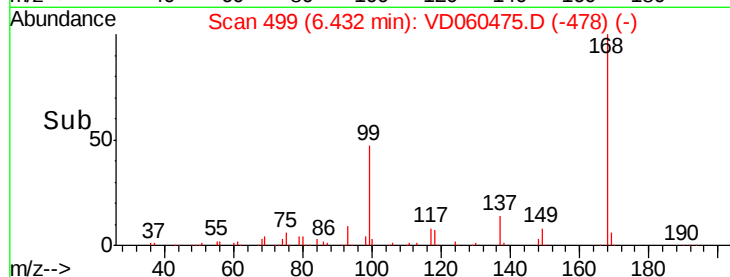
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060475.D

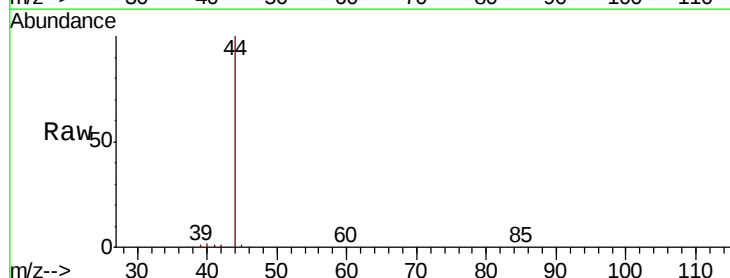
Acq: 3 Dec 2018 15:14

Tgt Ion: 85 Resp: 198

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

1.60

400

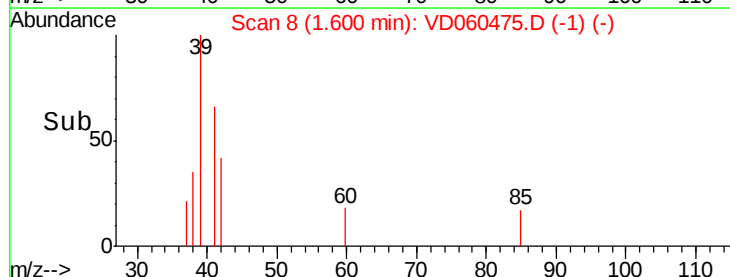
300

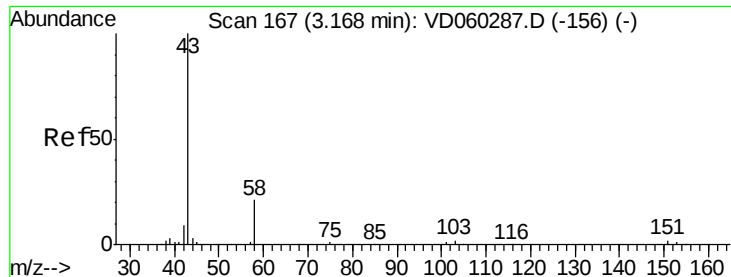
200

100

0

Time-->





#16

Acetone

Concen: 30.975 ug/l

RT: 3.18 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD060475.D

Acq: 3 Dec 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

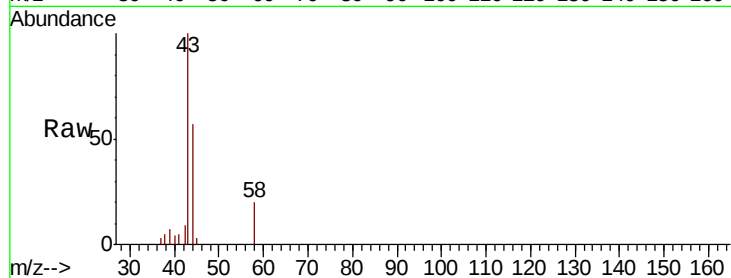
JC-02-113018-D

Tot Ion: 43 Resp: 51576

Ion Ratio Lower Upper

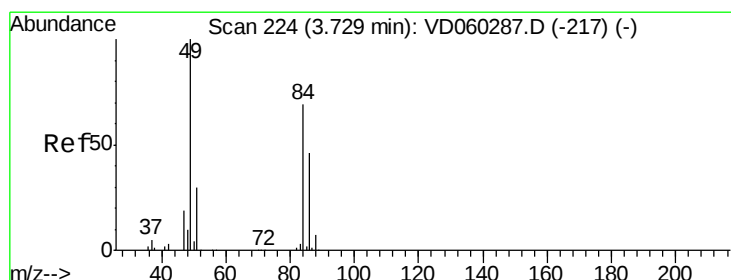
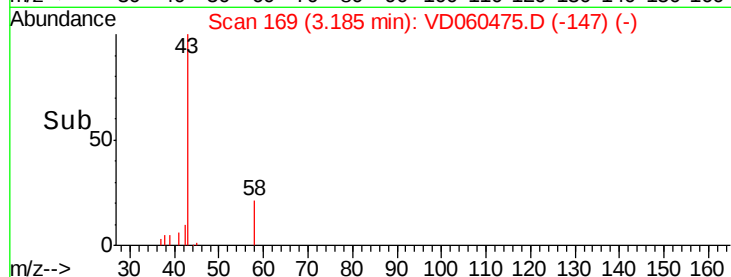
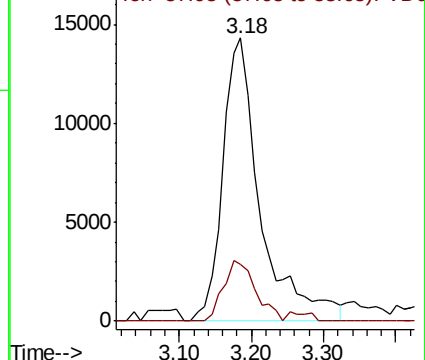
43 100

58 20.1 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 5.135 ug/l

RT: 3.75 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD060475.D

Acq: 3 Dec 2018 15:14

Tgt Ion: 84 Resp: 75850

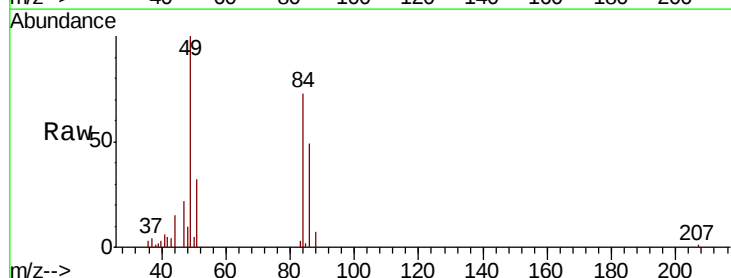
Ion Ratio Lower Upper

84 100

49 137.1 115.6 173.4

51 43.7 35.6 53.4

86 67.2 52.3 78.5

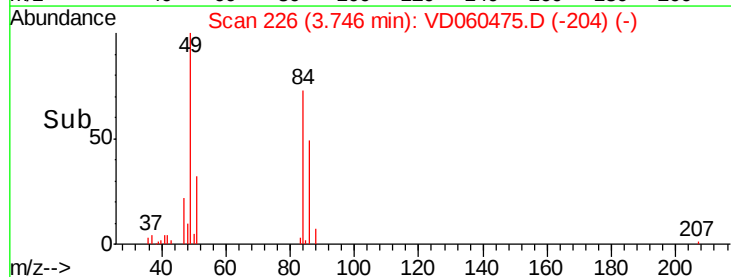
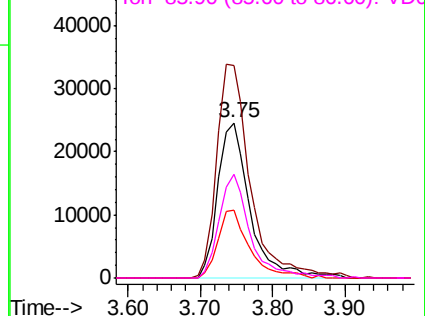


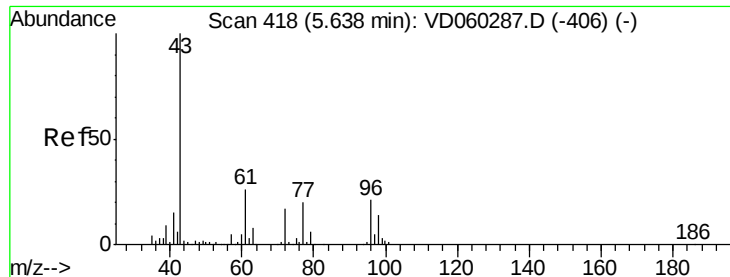
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

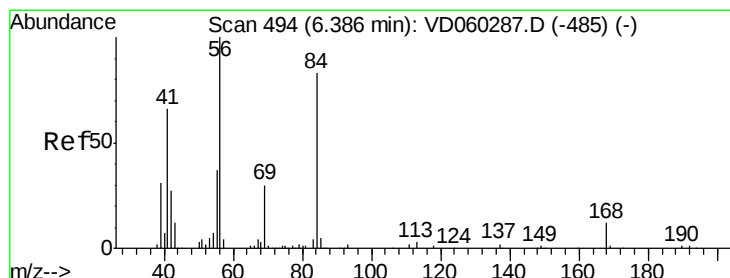
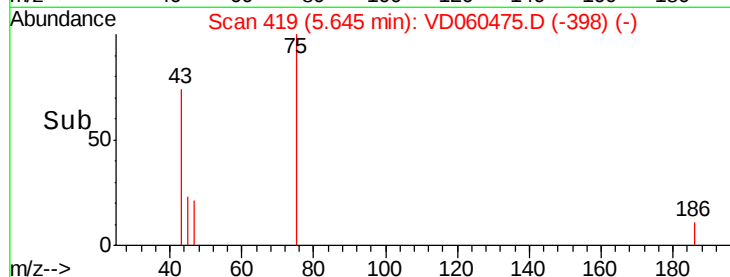
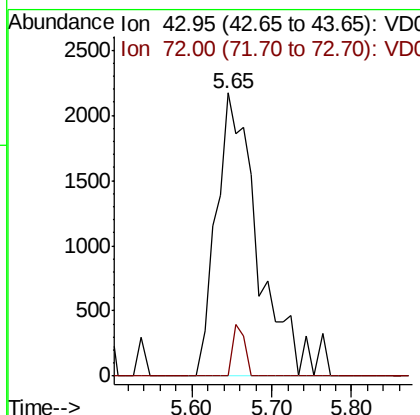
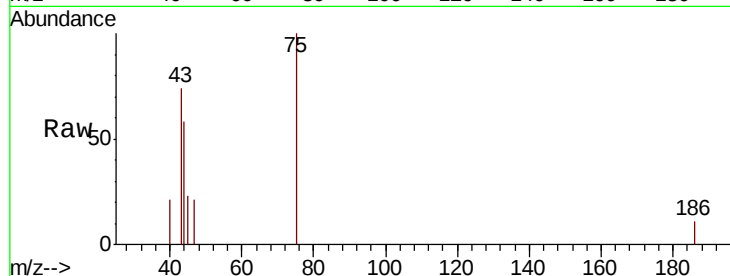




#25
2-Butanone
Concen: 2.331 ug/l
RT: 5.65 min Scan# 419
Delta R.T. 0.01 min
Lab File: VD060475.D
Acq: 3 Dec 2018 15:14

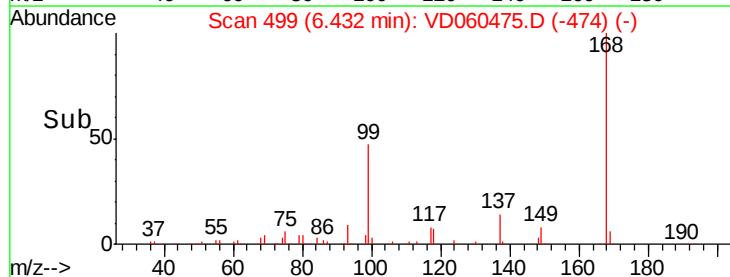
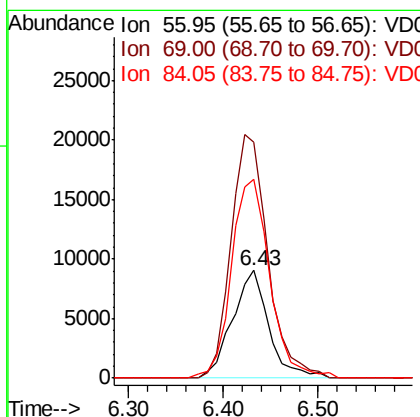
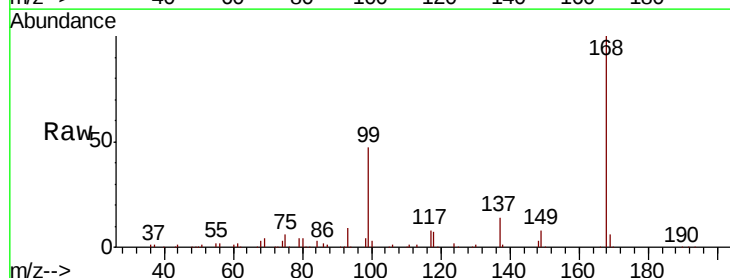
Instrument :
MSVOA_D
ClientSampleId :
JC-02-113018-D

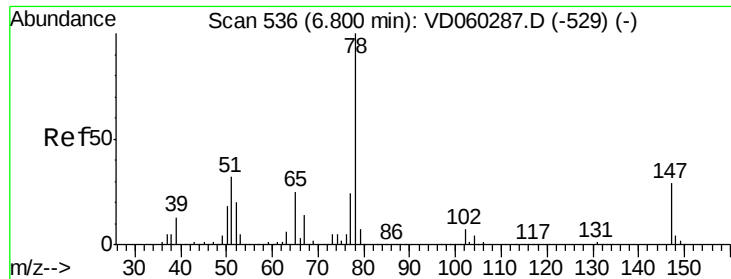
Tot Ion: 43 Resp: 8067
Ion Ratio Lower Upper
43 100
72 0.0 13.8 20.8#



#31
Cyclohexane
Concen: 1.048 ug/l
RT: 6.43 min Scan# 499
Delta R.T. 0.05 min
Lab File: VD060475.D
Acq: 3 Dec 2018 15:14

Tgt Ion: 56 Resp: 24020
Ion Ratio Lower Upper
56 100
69 218.6 22.2 33.2#
84 184.3 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD060475.D

Acq: 3 Dec 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

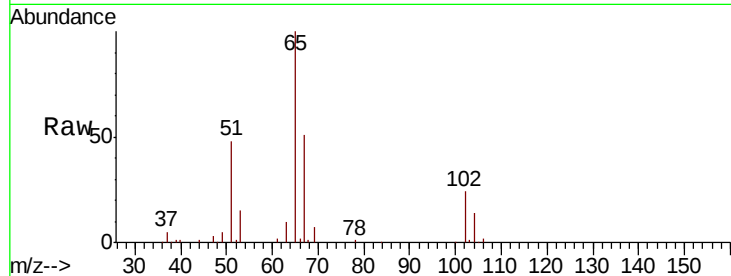
JC-02-113018-D

Tot Ion: 65 Resp: 384828

Ion Ratio Lower Upper

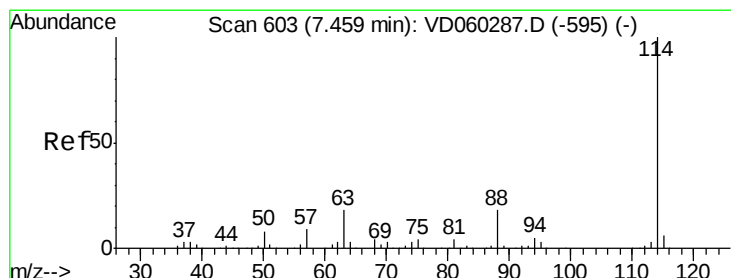
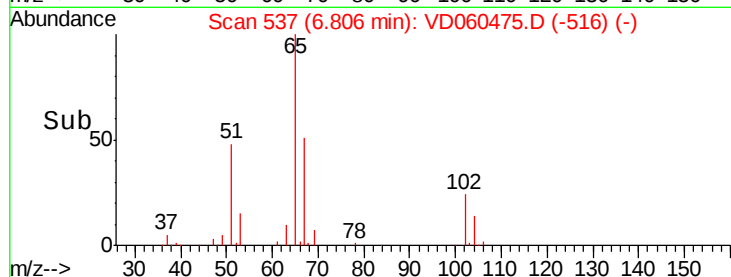
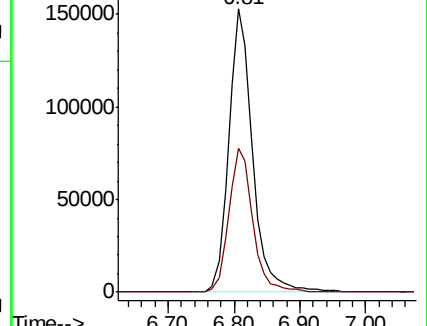
65 100

67 51.0 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: 7.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD060475.D

Acq: 3 Dec 2018 15:14

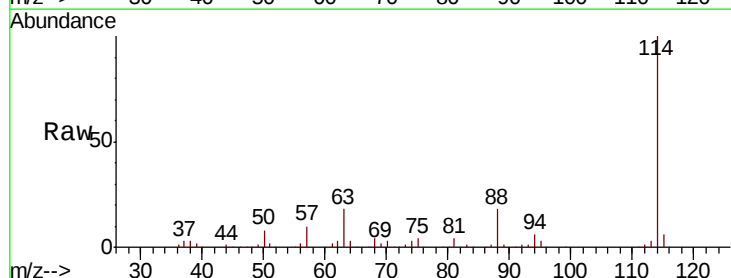
Tgt Ion:114 Resp: 1861276

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.0

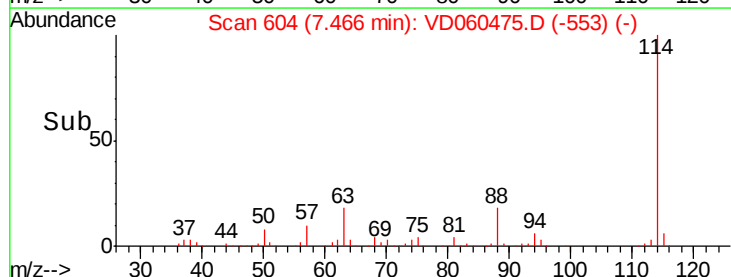
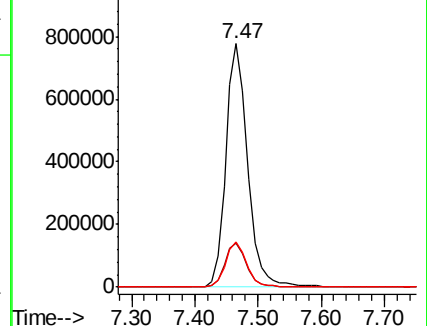
88 18.5 0.0 35.4

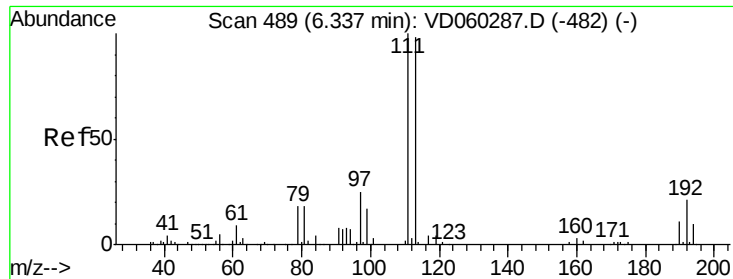


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

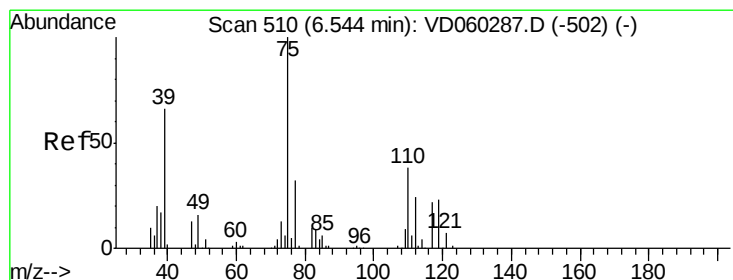
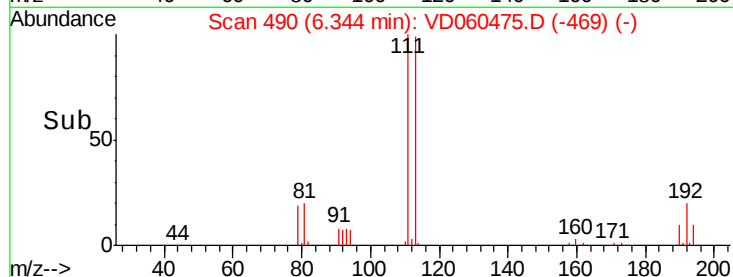
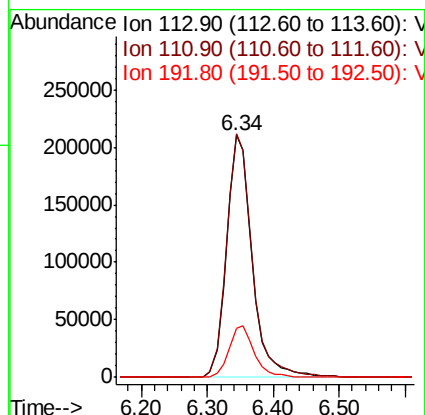
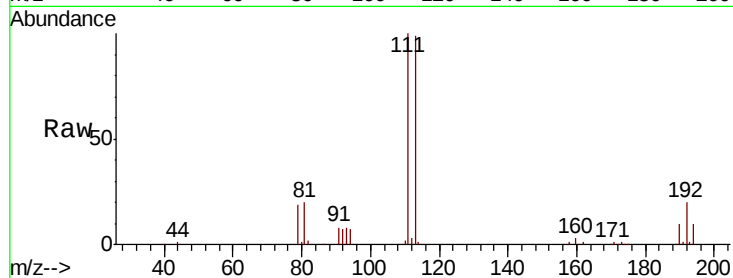




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060475.D
Acq: 3 Dec 2018 15:14

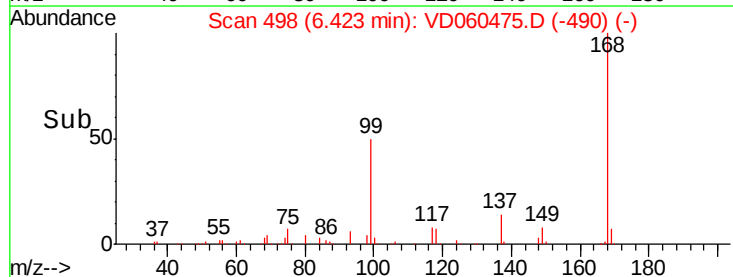
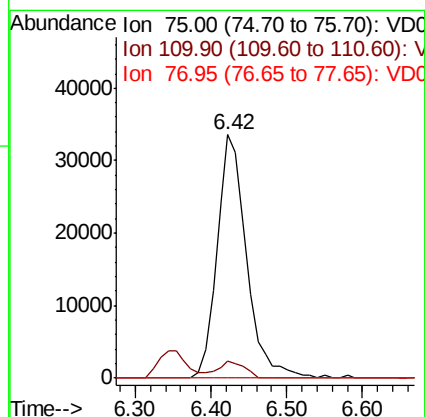
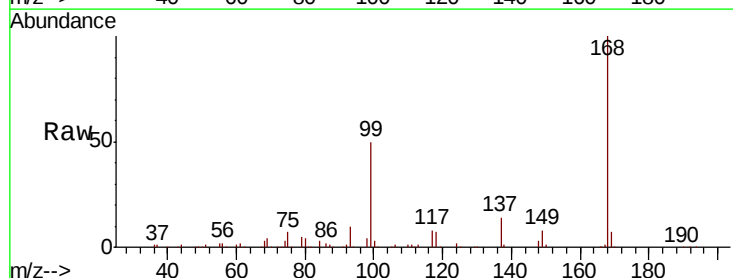
Instrument :
MSVOA_D
ClientSampleId :
JC-02-113018-D

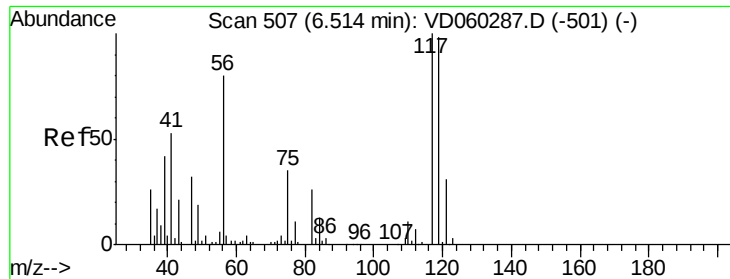
Tot Ion:113 Resp: 569320
Ion Ratio Lower Upper
113 100
111 100.5 81.6 122.4
192 20.1 16.5 24.7



#36
1,1-Dichloropropene
Concen: 4.937 ug/l
RT: 6.42 min Scan# 498
Delta R.T. -0.12 min
Lab File: VD060475.D
Acq: 3 Dec 2018 15:14

Tgt Ion: 75 Resp: 90779
Ion Ratio Lower Upper
75 100
110 7.1 18.0 54.0#
77 0.0 25.6 38.4#

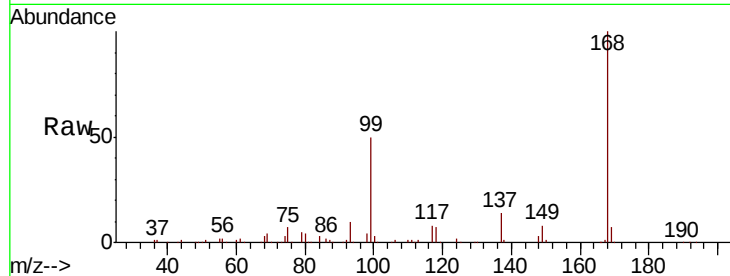




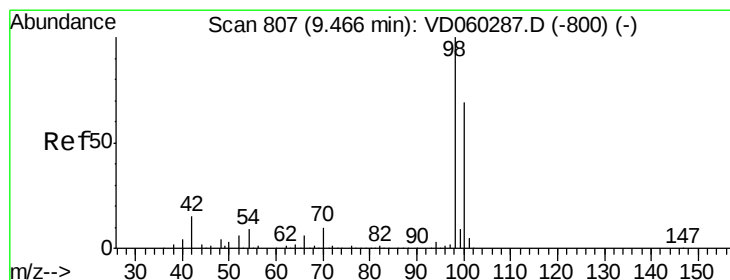
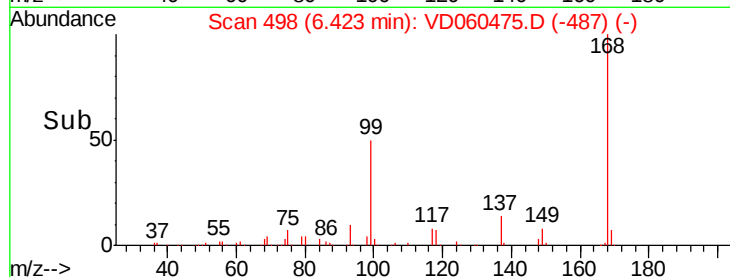
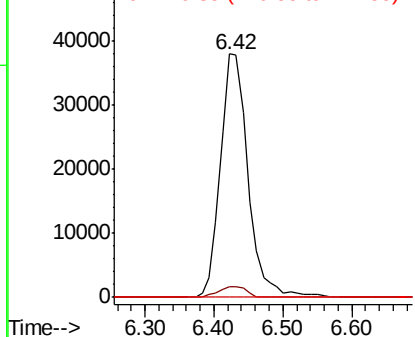
#38
Carbon Tetrachloride
Concen: 6.176 ug/l
RT: 6.42 min Scan# 498
Delta R.T. -0.09 min
Lab File: VD060475.D
Acq: 3 Dec 2018 15:14

Instrument :
MSVOA_D
ClientSampleId :
JC-02-113018-D

Tot Ion:117 Resp: 105353
Ion Ratio Lower Upper
117 100
119 4.3 76.6 115.0#
121 0.0 24.3 36.5#

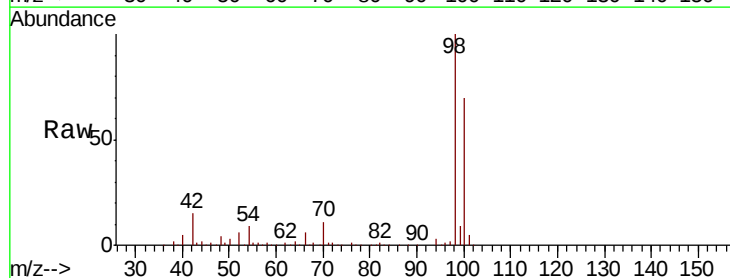


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

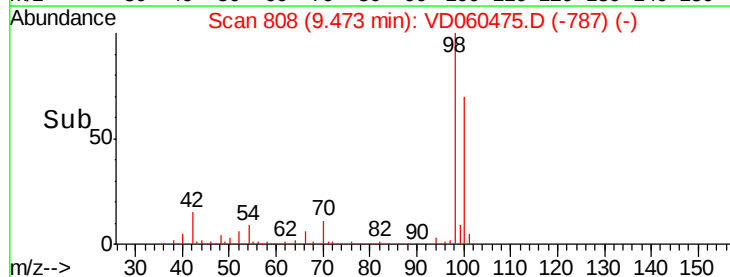
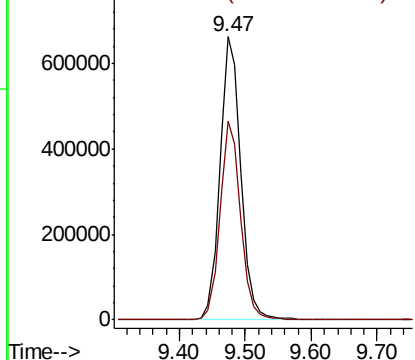


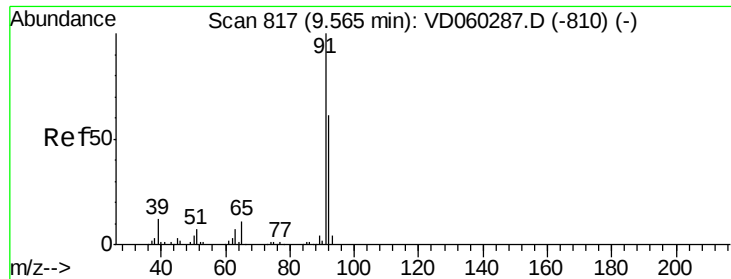
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.47 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060475.D
Acq: 3 Dec 2018 15:14

Tgt Ion: 98 Resp: 1457689
Ion Ratio Lower Upper
98 100
100 70.3 55.2 82.8



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





#52

Toluene

Concen: 1.711 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VD060475.D

Acq: 3 Dec 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

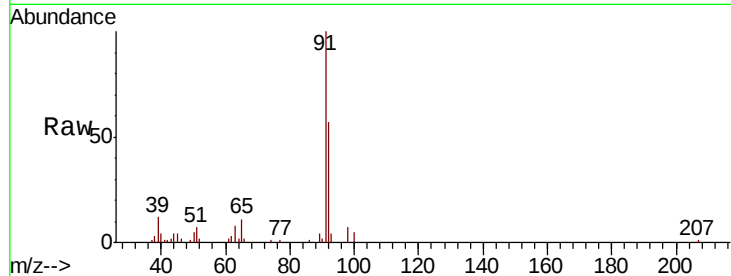
JC-02-113018-D

Tot Ion: 92 Resp: 51295

Ion Ratio Lower Upper

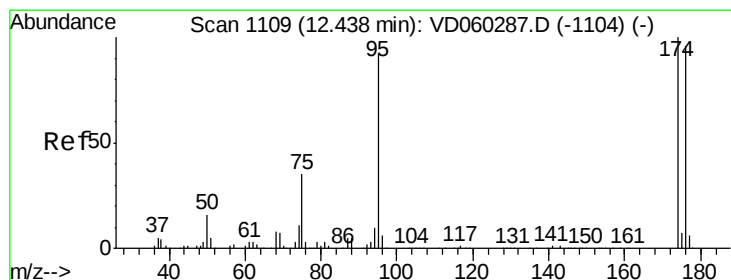
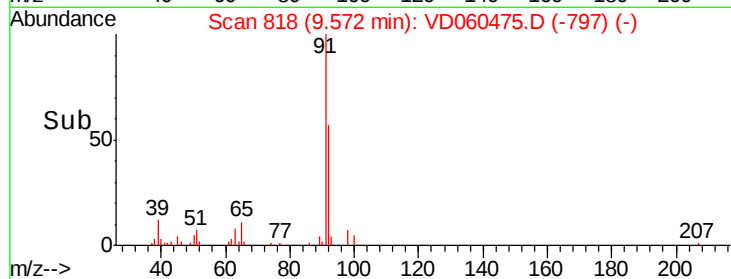
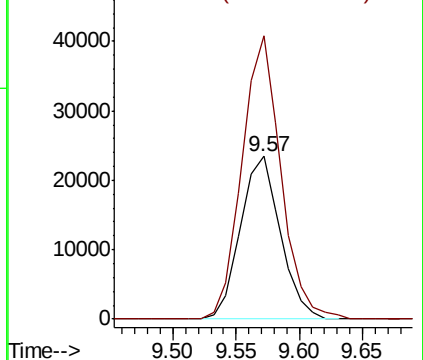
92 100

91 174.2 131.9 197.9



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: 12.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060475.D

Acq: 3 Dec 2018 15:14

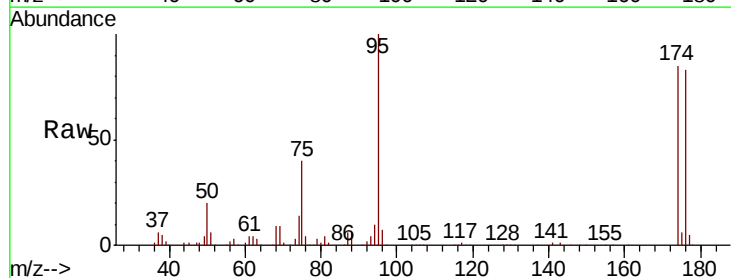
Tgt Ion: 95 Resp: 459750

Ion Ratio Lower Upper

95 100

174 85.2 0.0 160.8

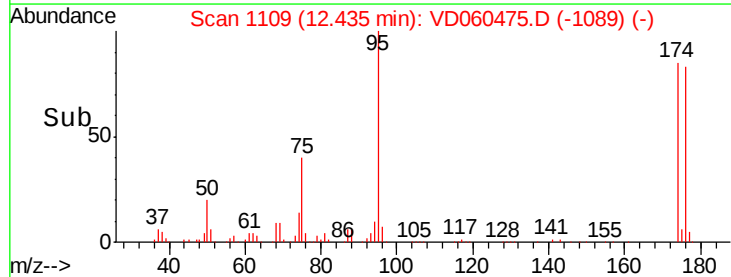
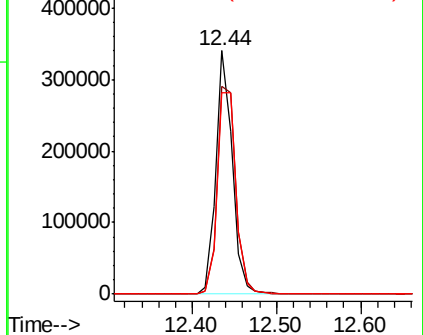
176 82.5 0.0 154.6

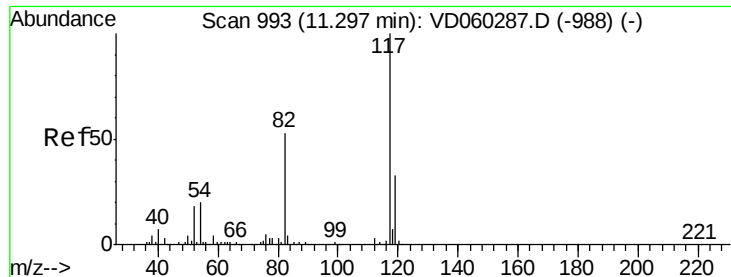


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

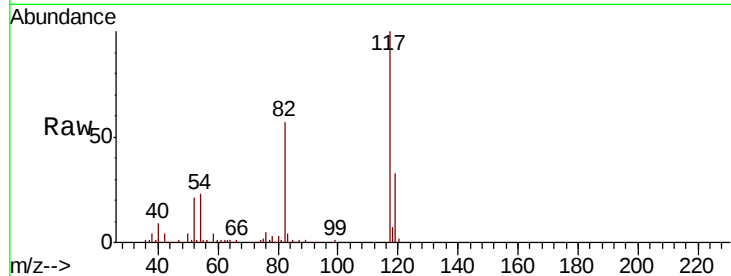




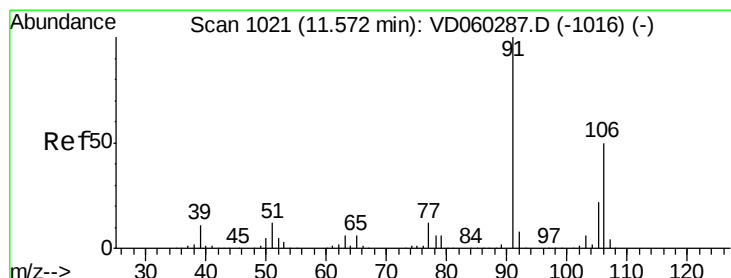
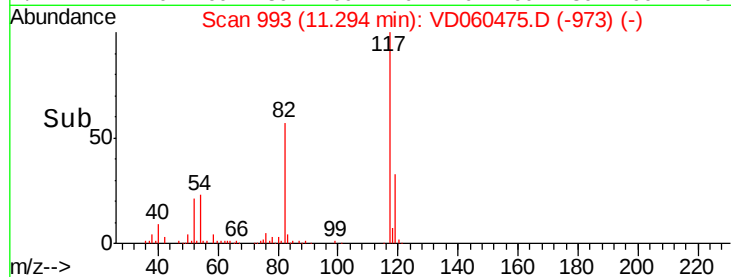
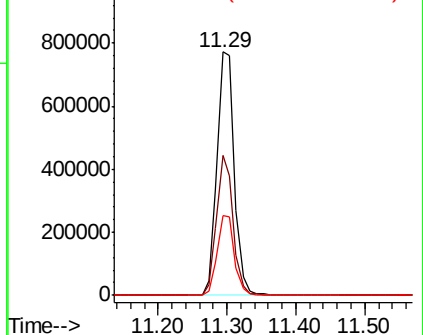
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060475.D
Acq: 3 Dec 2018 15:14

Instrument :
MSVOA_D
ClientSampleId :
JC-02-113018-D

Tot Ion:117 Resp: 1349291
Ion Ratio Lower Upper
117 100
82 57.5 43.7 65.5
119 32.6 26.1 39.1

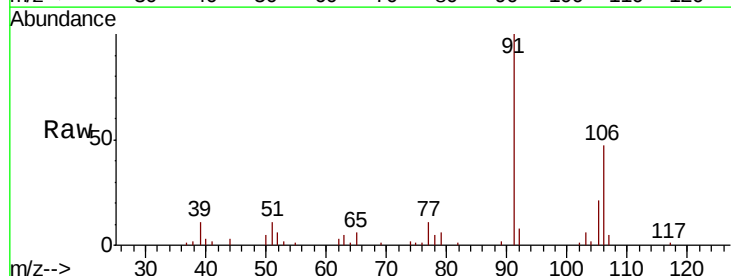


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

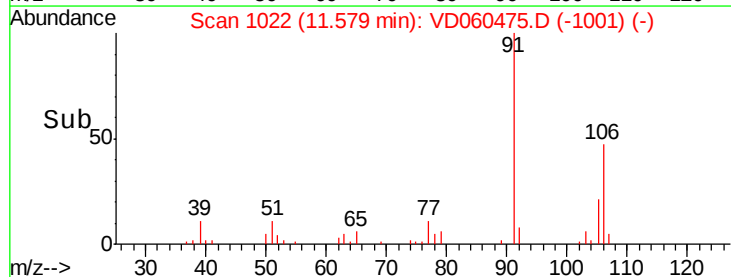
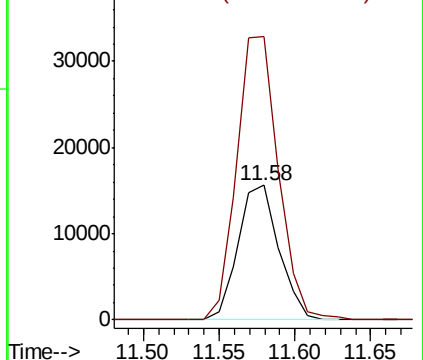


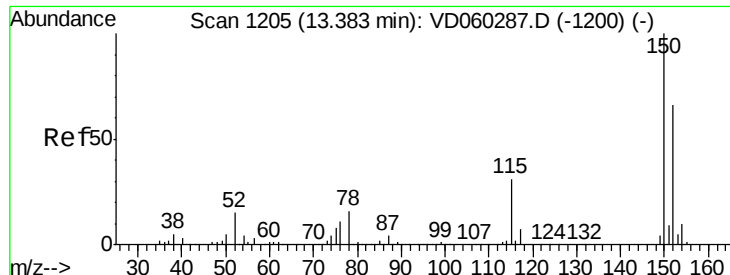
#68
m/p-Xylenes
Concen: 1.596 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060475.D
Acq: 3 Dec 2018 15:14

Tgt Ion:106 Resp: 29442
Ion Ratio Lower Upper
106 100
91 210.7 159.4 239.2



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VD





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD060475.D

Acq: 3 Dec 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

JC-02-113018-D

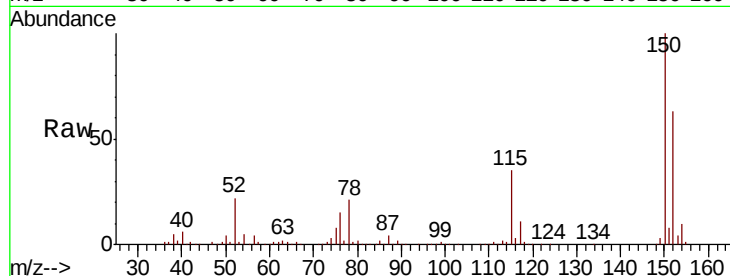
Tot Ion:152 Resp: 524055

Ion Ratio Lower Upper

152 100

115 55.1 24.1 72.3

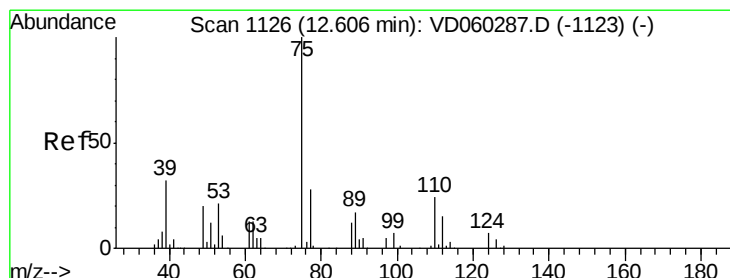
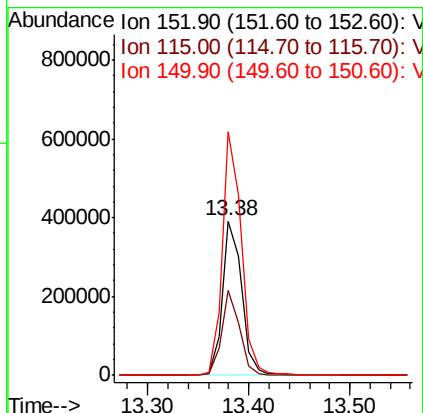
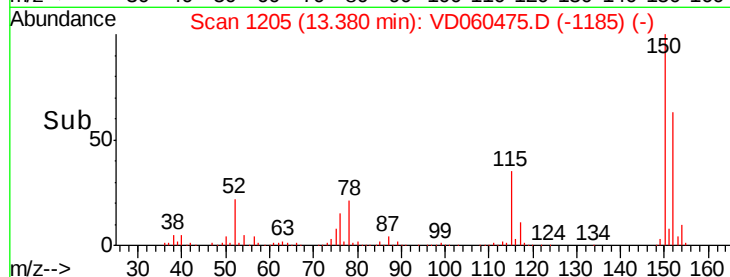
150 158.0 0.0 310.6



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: 23.597 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.17 min

Lab File: VD060475.D

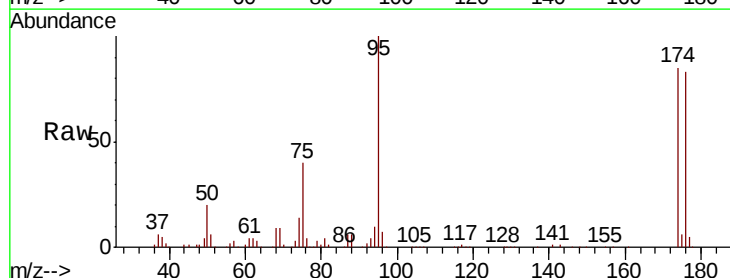
Acq: 3 Dec 2018 15:14

Tgt Ion: 75 Resp: 147930

Ion Ratio Lower Upper

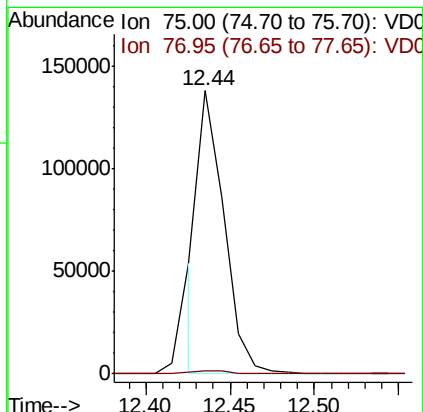
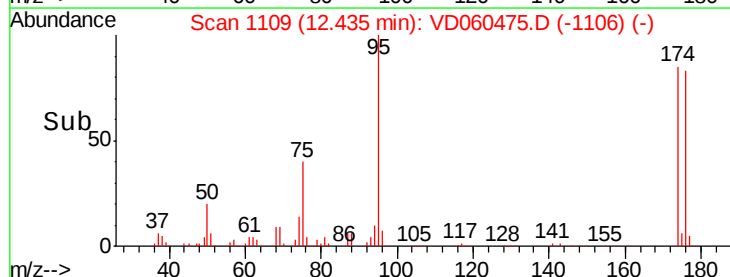
75 100

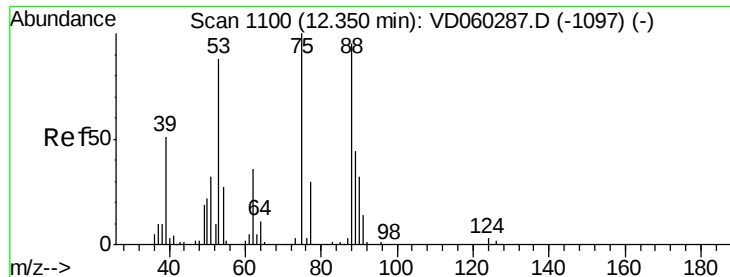
77 1.1 16.4 49.1#



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: 102.442 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.09 min

Lab File: VD060475.D

Acq: 3 Dec 2018 15:14

Instrument :

MSVOA_D

ClientSampleId :

JC-02-113018-D

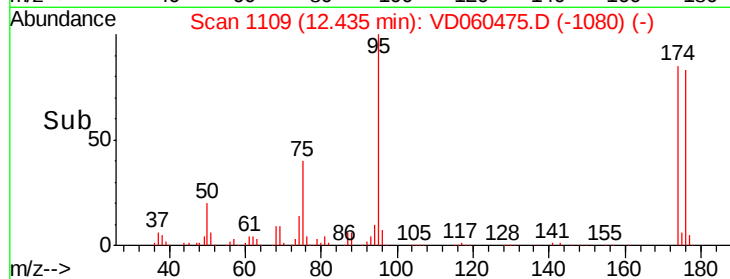
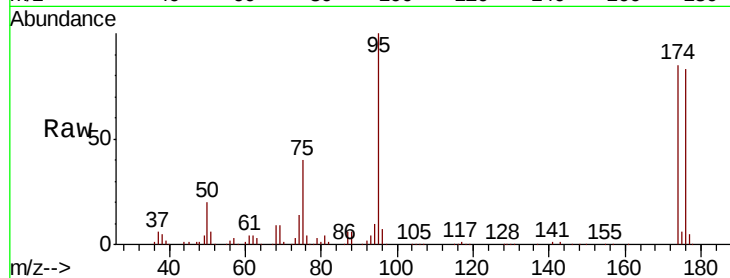
Tot Ion: 75 Resp: 182833

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

