

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120318\
 Data File : VD060470.D
 Acq On : 3 Dec 2018 12:41
 Operator : VA/AP
 Sample : J6162-09
 Misc : 6.36g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C10-02A-(6-12)

Quant Time: Dec 04 02:35:23 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	1127031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	1614567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1139472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	373766	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	420991	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
35) Dibromofluoromethane	6.35	113	575928	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
50) Toluene-d8	9.47	98	1368469	38.84	ug/l	0.00
Spiked Amount			Recovery	=	77.68%	
62) 4-Bromofluorobenzene	12.44	95	417693	32.71	ug/l	0.00
Spiked Amount			Recovery	=	65.42%	

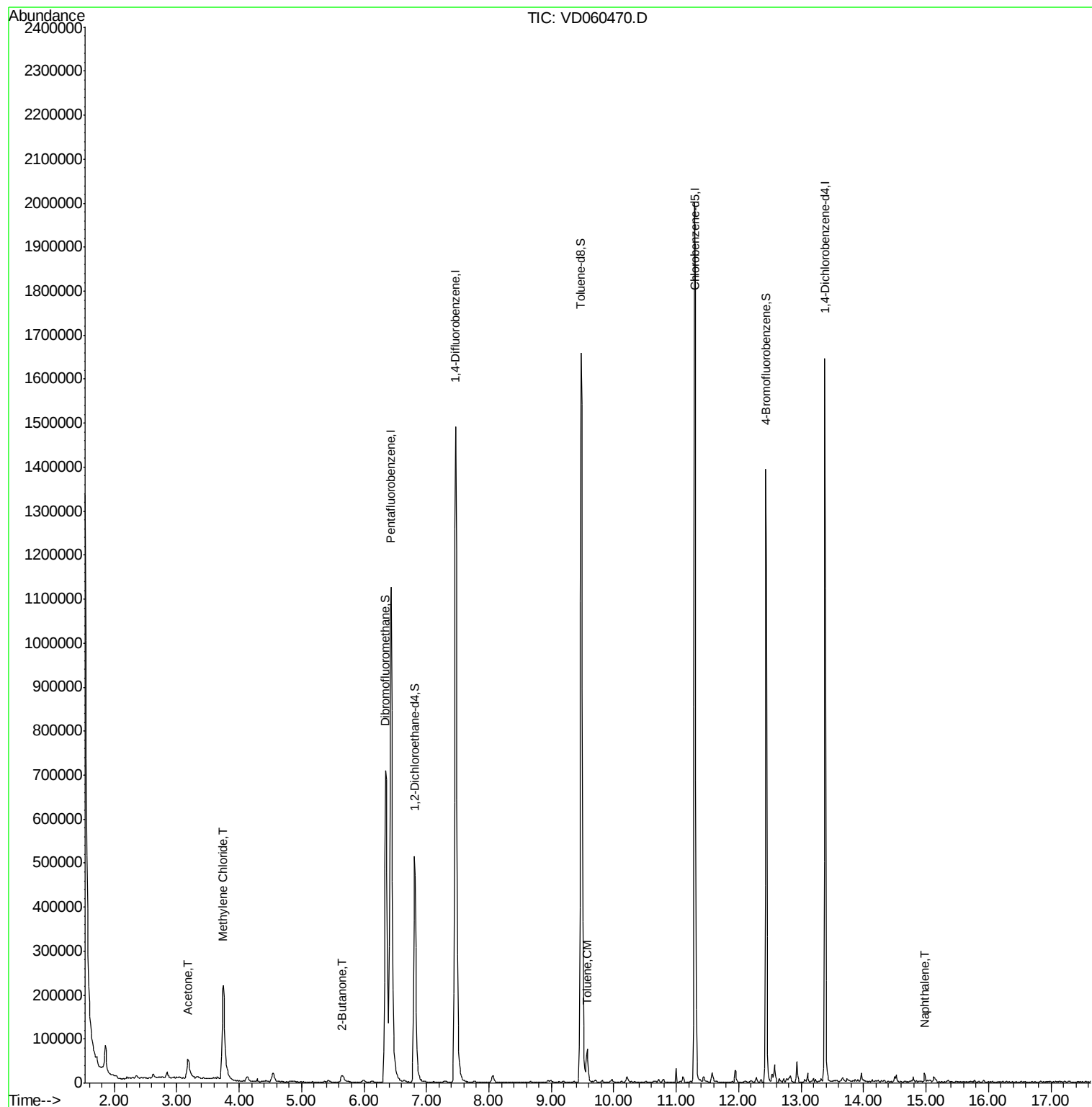
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.18	43	103250	73.762	ug/l	97
20) Methylene Chloride	3.75	84	146648	11.810	ug/l	96
25) 2-Butanone	5.65	43	34138	11.733	ug/l	99
52) Toluene	9.57	92	37343	1.436	ug/l	94
95) Naphthalene	14.98	128	13951	1.363	ug/l	97

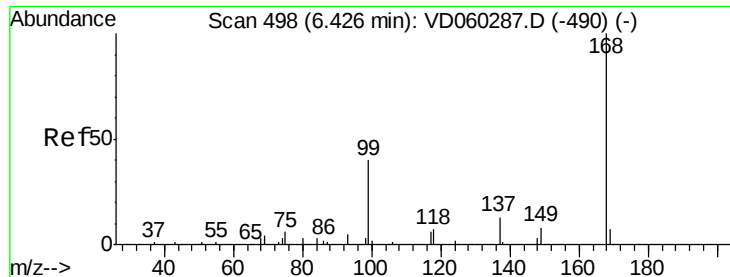
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD060470.D

Acq: 3 Dec 2018 12:41

Instrument :

MSVOA_D

ClientSampleId :

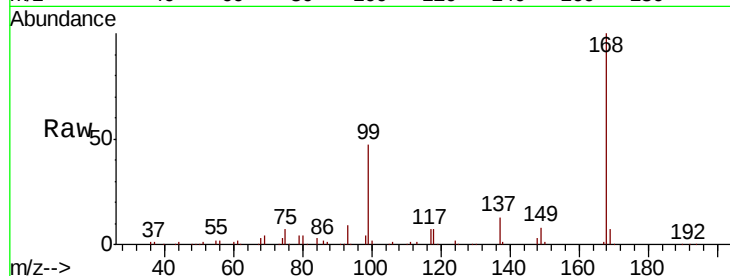
A0C10-02A-(6-12)

Tot Ion:168 Resp: 1127031

Ion Ratio Lower Upper

168 100

99 46.7 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

400000

300000

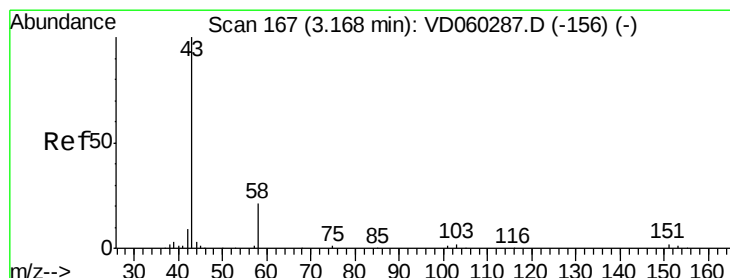
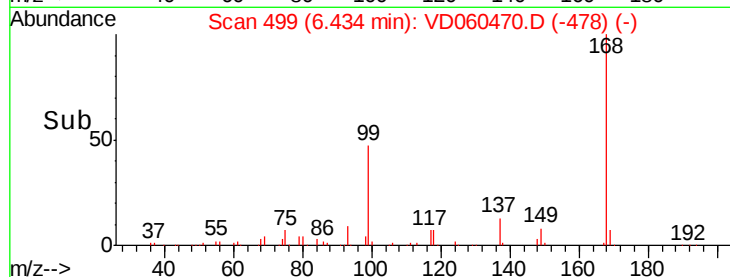
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#16

Acetone

Concen: 73.762 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060470.D

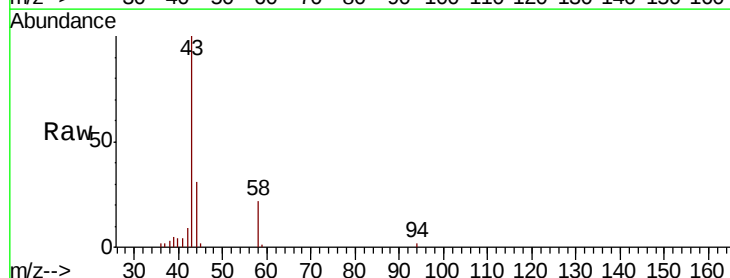
Acq: 3 Dec 2018 12:41

Tgt Ion: 43 Resp: 103250

Ion Ratio Lower Upper

43 100

58 22.4 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.18

30000

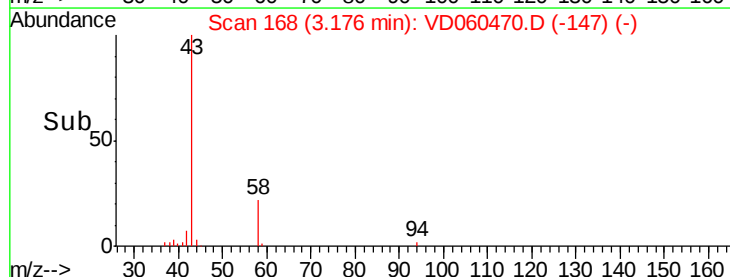
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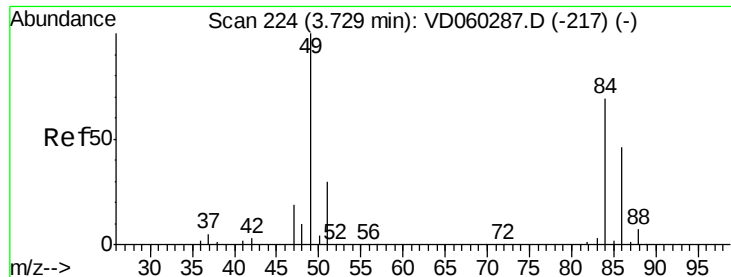
10000

0

3.00 3.10 3.20 3.30 3.40

Time-->

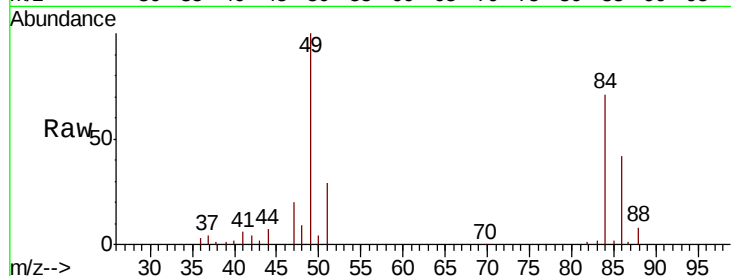




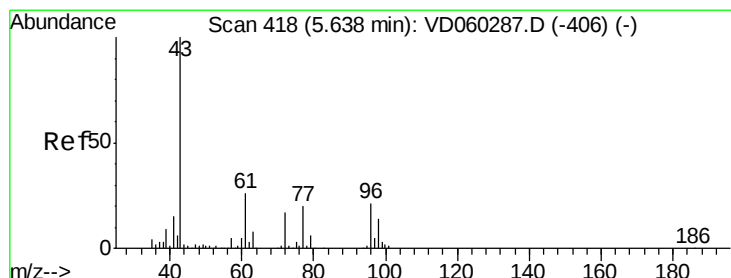
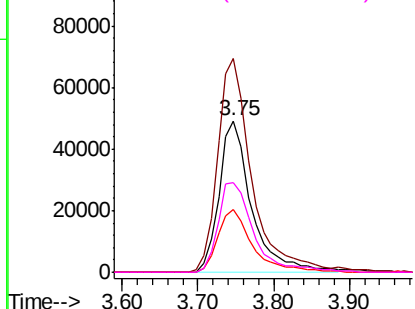
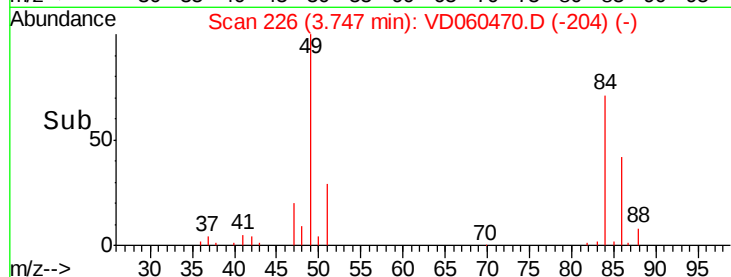
#20
Methylene Chloride
Concen: 11.810 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060470.D
Acq: 3 Dec 2018 12:41

Instrument :
MSVOA_D
ClientSampleId :
A0C10-02A-(6-12)

Tot Ion: 84 Resp: 146648
Ion Ratio Lower Upper
84 100
49 141.0 115.6 173.4
51 41.6 35.6 53.4
86 59.2 52.3 78.5

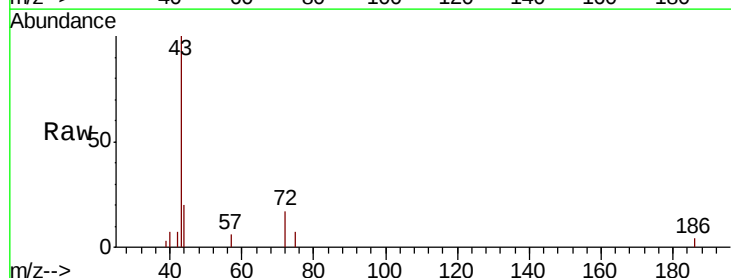


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

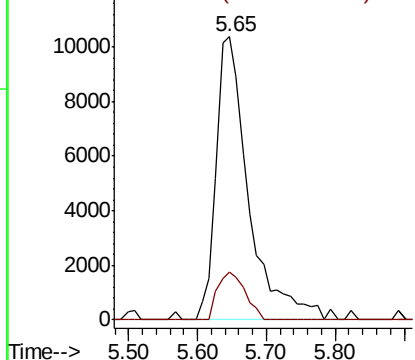
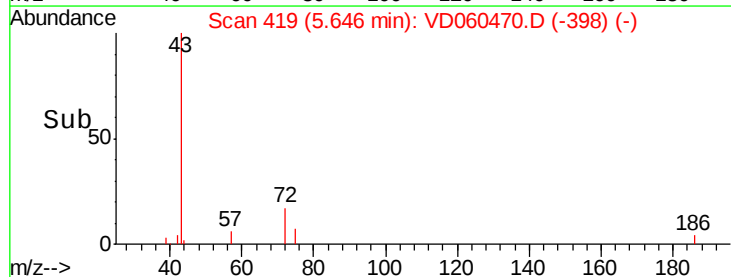


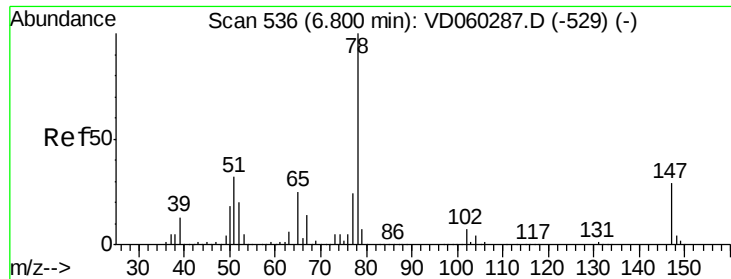
#25
2-Butanone
Concen: 11.733 ug/l
RT: 5.65 min Scan# 419
Delta R.T. 0.01 min
Lab File: VD060470.D
Acq: 3 Dec 2018 12:41

Tgt Ion: 43 Resp: 34138
Ion Ratio Lower Upper
43 100
72 16.7 13.8 20.8



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

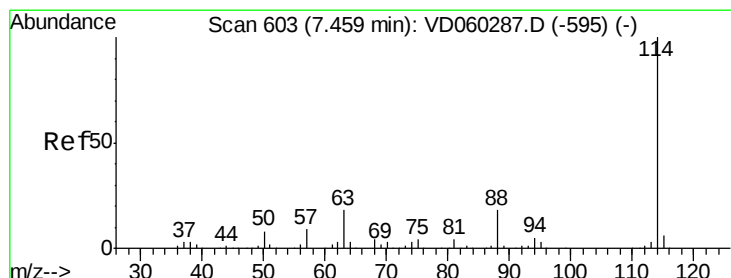
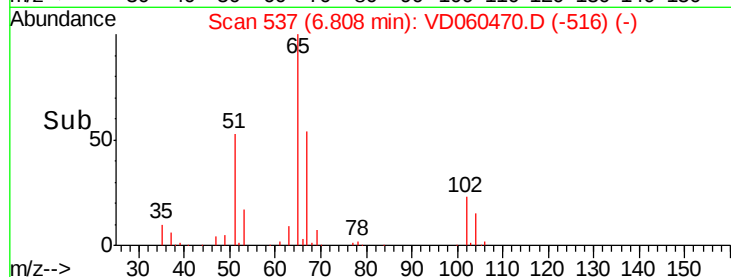
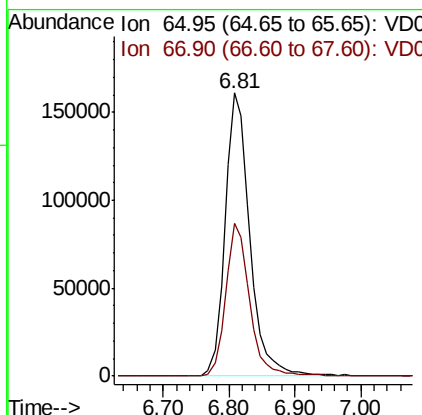
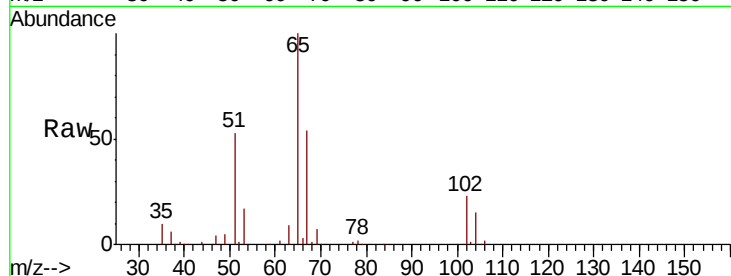




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.81 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VD060470.D
 Acq: 3 Dec 2018 12:41

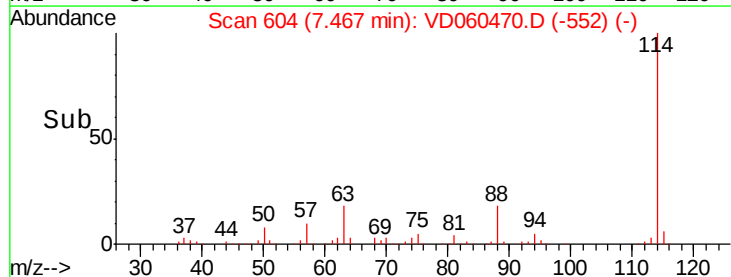
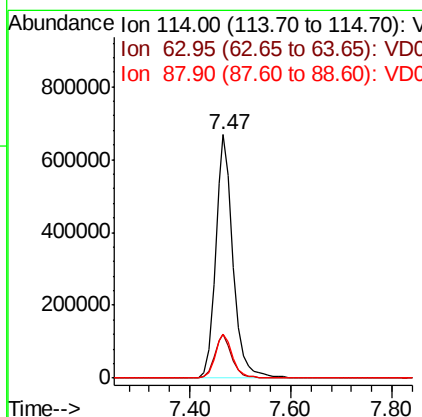
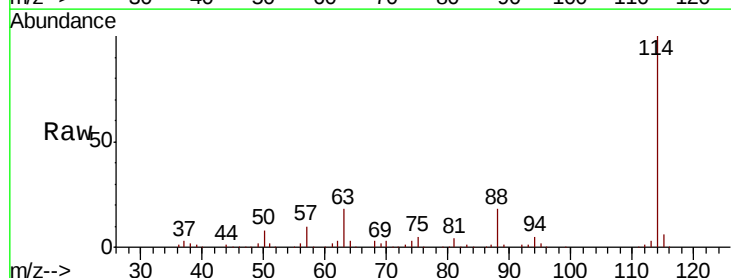
Instrument :
 MSVOA_D
 ClientSampleId :
 A0C10-02A-(6-12)

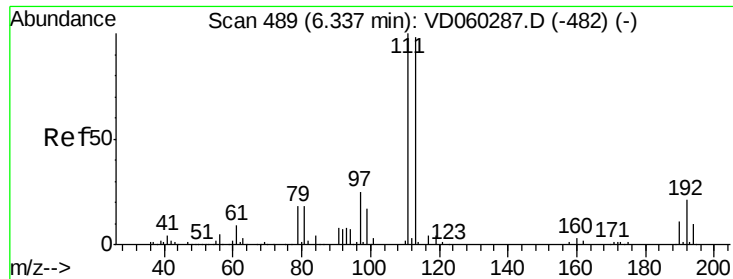
Tot Ion: 65 Resp: 420991
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD060470.D
 Acq: 3 Dec 2018 12:41

Tgt Ion: 114 Resp: 1614567
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 34.0
 88 18.2 0.0 35.4

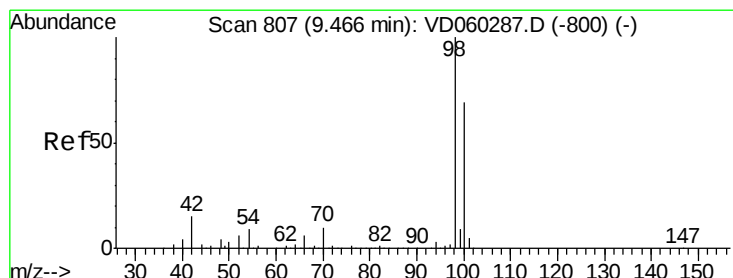
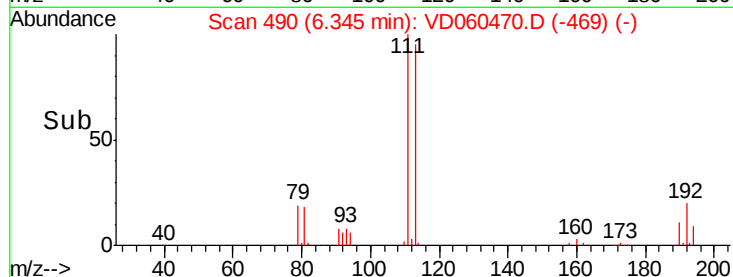
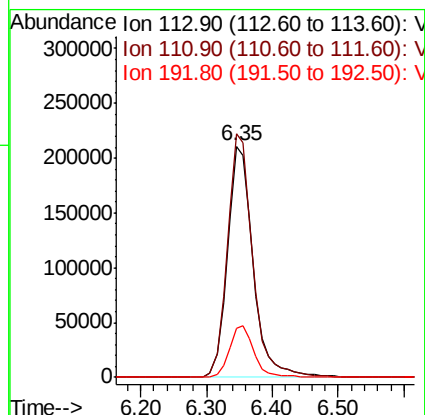
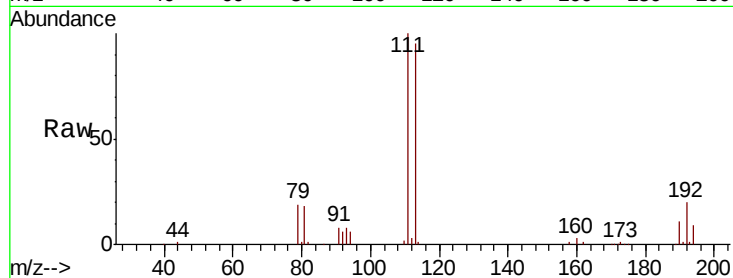




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060470.D
Acq: 3 Dec 2018 12:41

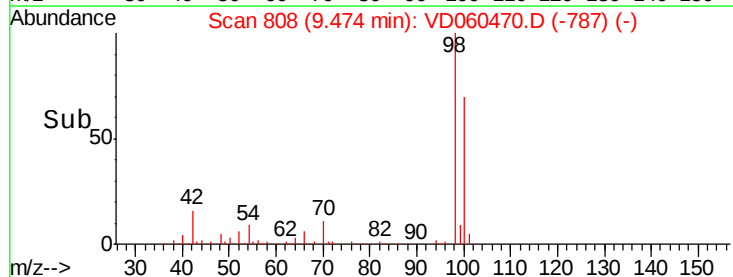
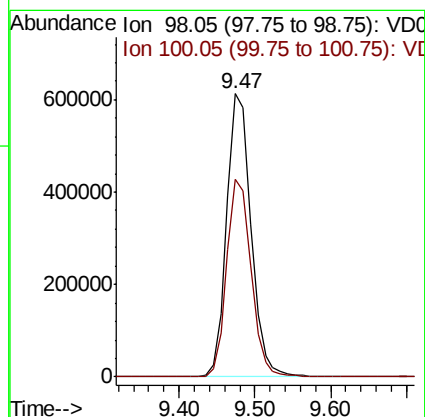
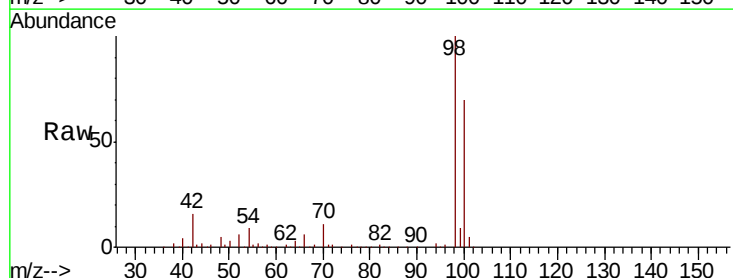
Instrument :
MSVOA_D
ClientSampleId :
A0C10-02A-(6-12)

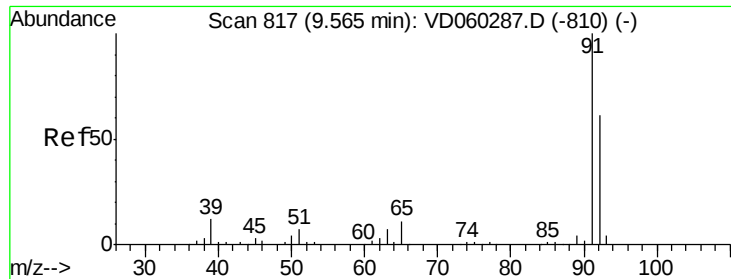
Tot Ion:113 Resp: 575928
Ion Ratio Lower Upper
113 100
111 105.2 81.6 122.4
192 21.2 16.5 24.7



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.47 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060470.D
Acq: 3 Dec 2018 12:41

Tgt Ion: 98 Resp: 1368469
Ion Ratio Lower Upper
98 100
100 69.9 55.2 82.8





#52

Toluene

Concen: 1.436 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VD060470.D

Acq: 3 Dec 2018 12:41

Instrument :

MSVOA_D

ClientSampleId :

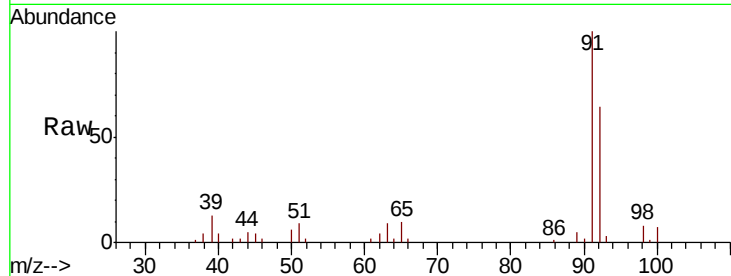
A0C10-02A-(6-12)

Tot Ion: 92 Resp: 37343

Ion Ratio Lower Upper

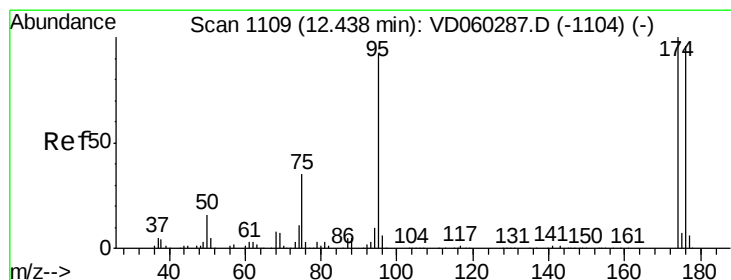
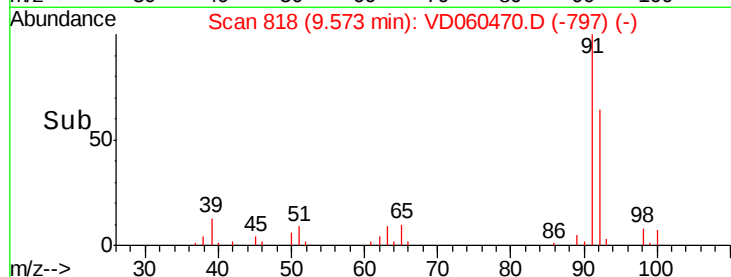
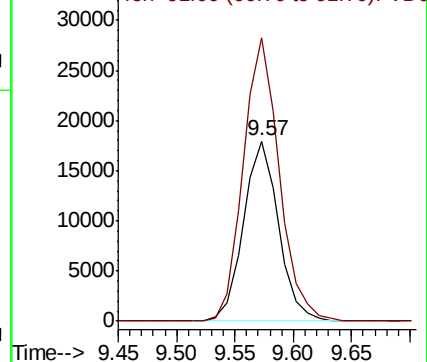
92 100

91 157.4 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060470.D

Acq: 3 Dec 2018 12:41

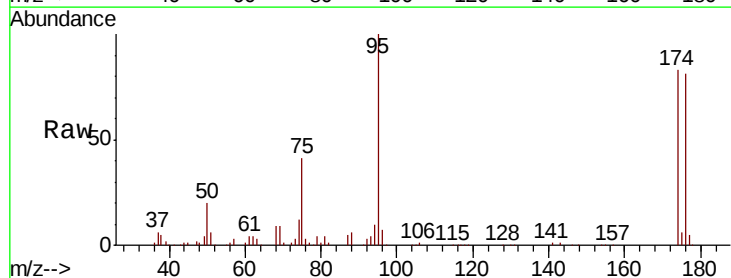
Tgt Ion: 95 Resp: 417693

Ion Ratio Lower Upper

95 100

174 82.6 0.0 160.8

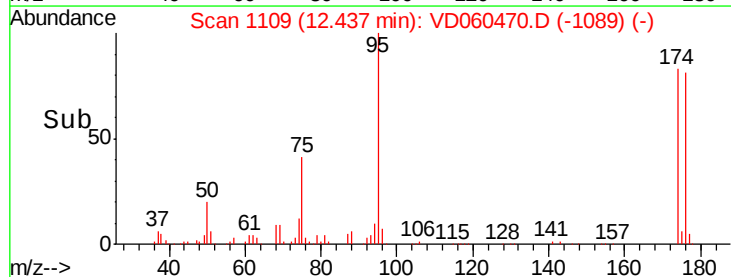
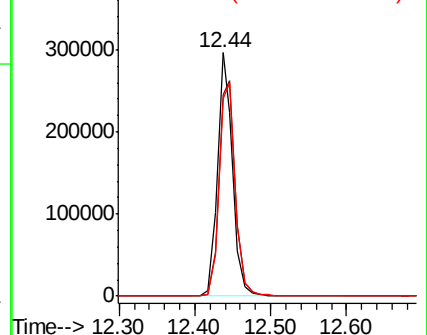
176 81.1 0.0 154.6

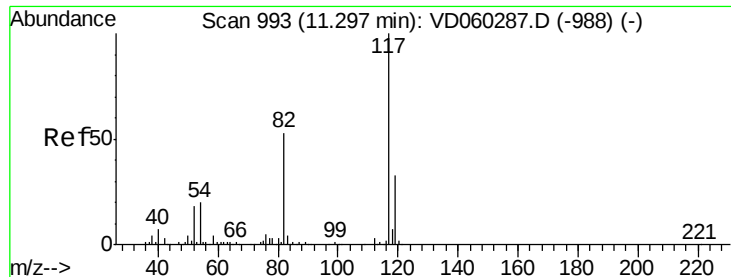


Abundance Ion 95.00 (94.70 to 95.70): VDC

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: 11.30 min Scan# 993

Delta R.T. -0.00 min

Lab File: VD060470.D

Acq: 3 Dec 2018 12:41

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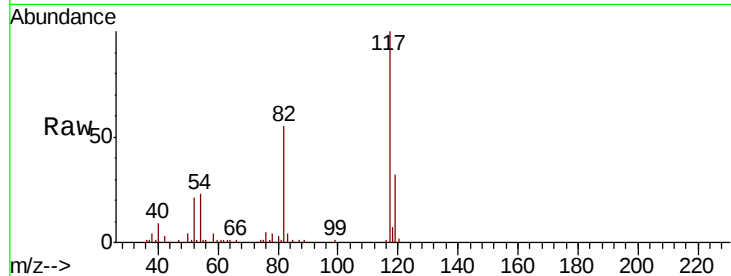
Tot Ion:117 Resp: 1139472

Ion Ratio Lower Upper

117 100

82 55.4 43.7 65.5

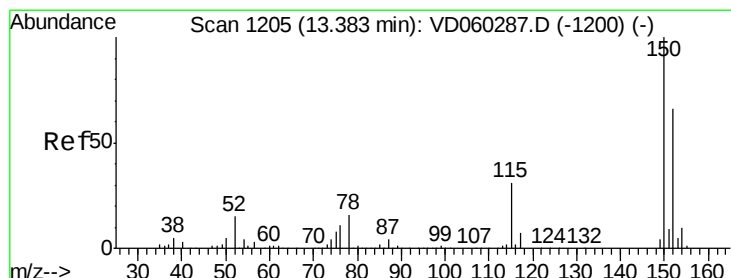
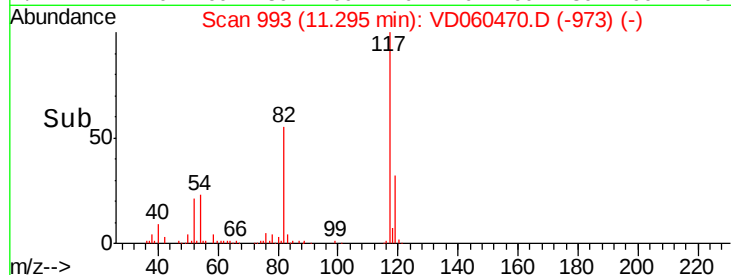
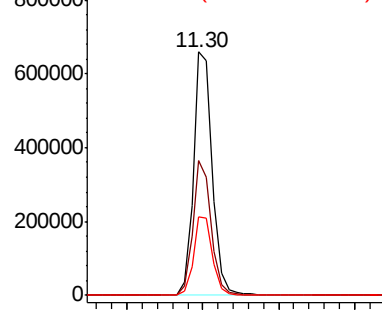
119 32.2 26.1 39.1



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# 1205

Delta R.T. -0.00 min

Lab File: VD060470.D

Acq: 3 Dec 2018 12:41

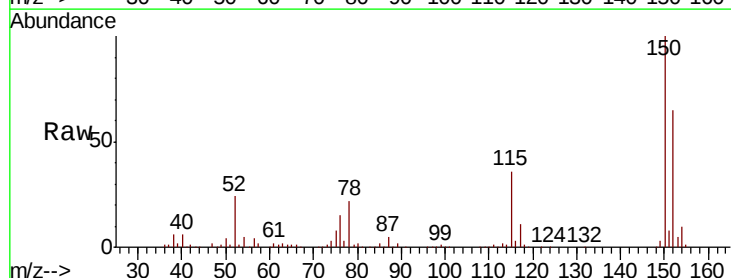
Tgt Ion:152 Resp: 373766

Ion Ratio Lower Upper

152 100

115 56.1 24.1 72.3

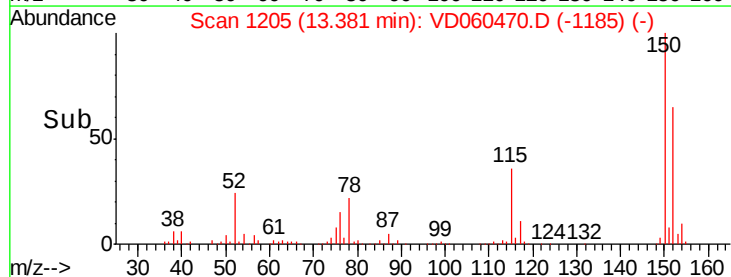
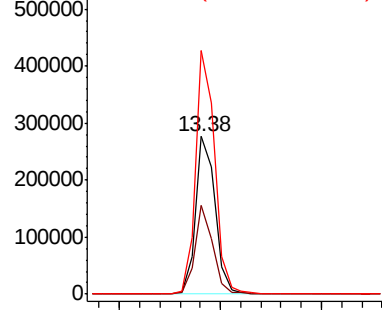
150 154.8 0.0 310.6

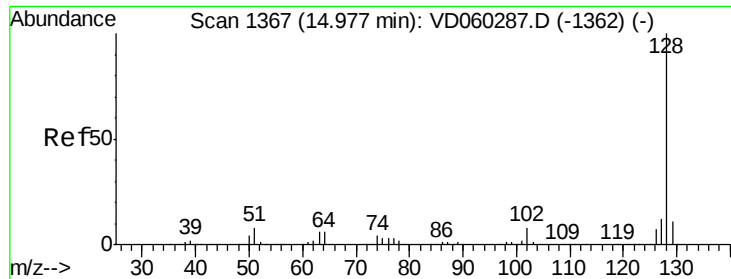


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#95

Naphthalene

Concen: 1.363 ug/l

RT: 14.98 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VD060470.D

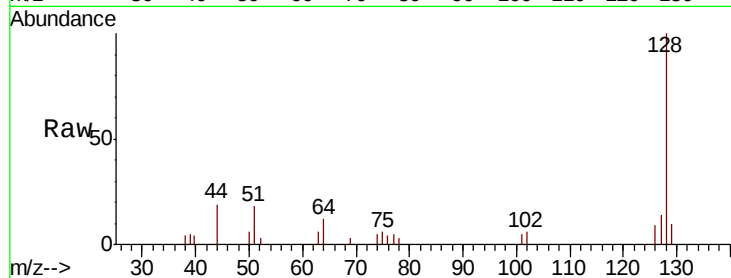
Acq: 3 Dec 2018 12:41

Instrument :

MSVOA_D

ClientSampleId :

A0C10-02A-(6-12)



Tot Ion:128 Resp: 13951

Ion Ratio Lower Upper

128 100

127 13.8 9.6 14.4

129 9.9 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

