

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120318\
 Data File : VD060477.D
 Acq On : 3 Dec 2018 16:11
 Operator : VA/AP
 Sample : J5775-03
 Misc : 6.61g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-113018

Quant Time: Dec 04 02:22:45 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	1205716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	1691725	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.30	117	1244853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	471084	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.81	65	464605	53.82	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.64%	
35) Dibromofluoromethane	6.35	113	633780	50.24	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	9.48	98	1530652	41.46	ug/l	0.01
Spiked Amount	50.000		Recovery	=	82.92%	
62) 4-Bromofluorobenzene	12.44	95	509894	38.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.22%	

Target Compounds

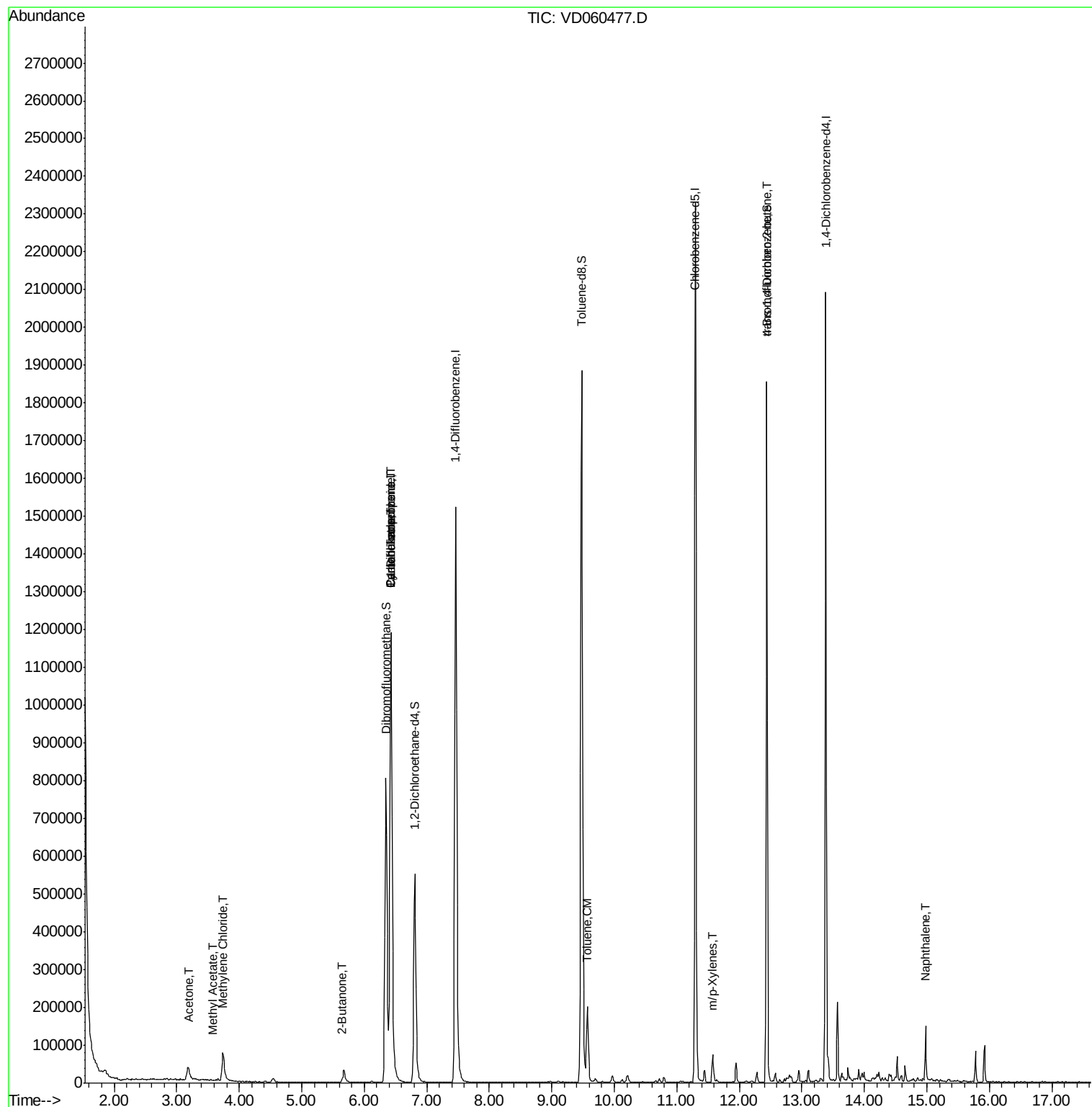
						Qvalue
16) Acetone	3.19	43	76242	50.913	ug/l	99
18) Methyl Acetate	3.59	43	3228	1.011	ug/l #	63
20) Methylene Chloride	3.74	84	48702	3.666	ug/l	94
25) 2-Butanone	5.64	43	5489	1.763	ug/l	95
31) Cyclohexane	6.43	56	21528	1.044	ug/l #	1
36) 1,1-Dichloropropene	6.43	75	81567	4.880	ug/l #	47
38) Carbon Tetrachloride	6.43	117	91767	5.919	ug/l #	15
52) Toluene	9.57	92	103693	3.805	ug/l	100
68) m/p-Xylenes	11.57	106	22102	1.299	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.44	75	206830	128.918	ug/l #	15
89) n-Butylbenzene	13.66	91	5151	Below Cal		88
95) Naphthalene	14.98	128	80819	6.266	ug/l	98

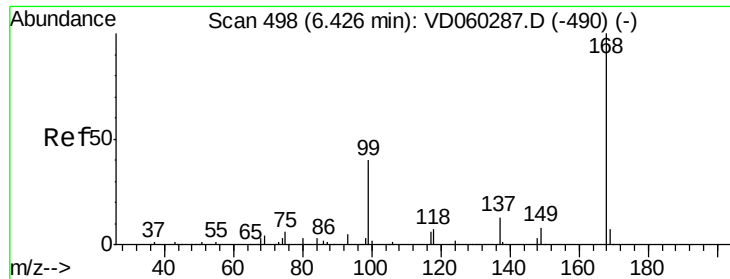
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 04 02:22:45 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# 498

Delta R.T. 0.00 min

Lab File: VD060477.D

Acq: 3 Dec 2018 16:11

Instrument :

MSVOA_D

ClientSampleId :

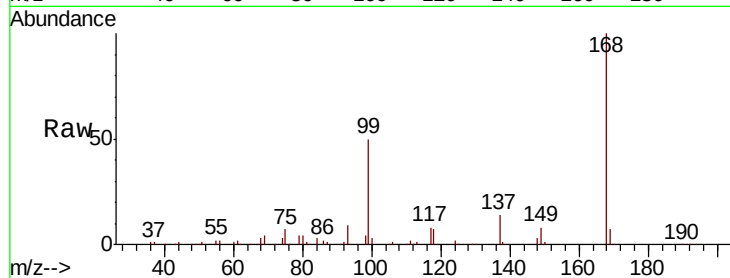
TR-04-113018

Tot Ion:168 Resp: 1205716

Ion Ratio Lower Upper

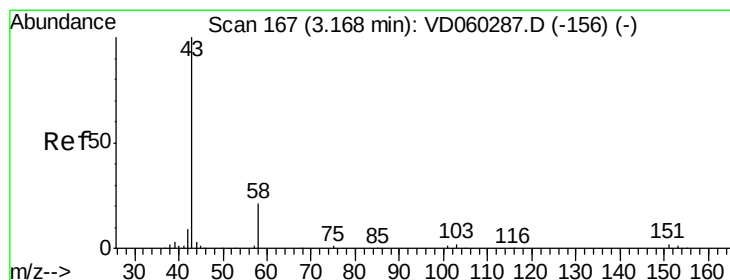
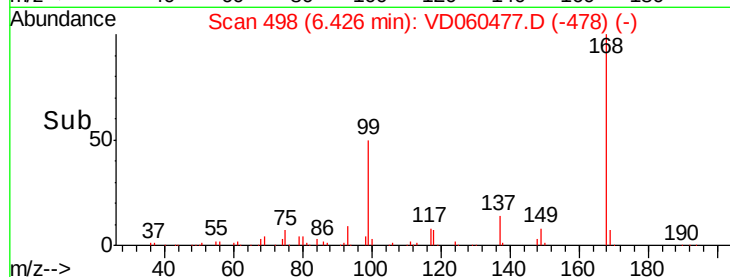
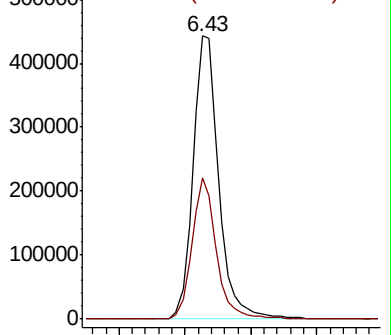
168 100

99 49.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 50.913 ug/l

RT: 3.19 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD060477.D

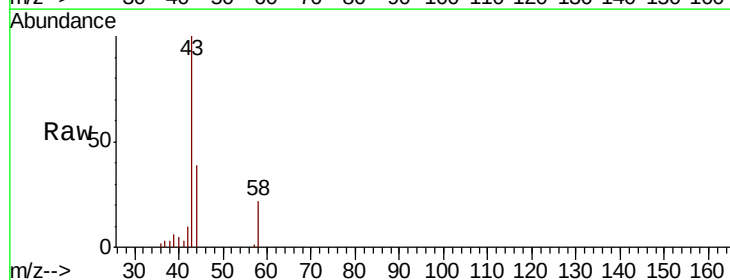
Acq: 3 Dec 2018 16:11

Tgt Ion: 43 Resp: 76242

Ion Ratio Lower Upper

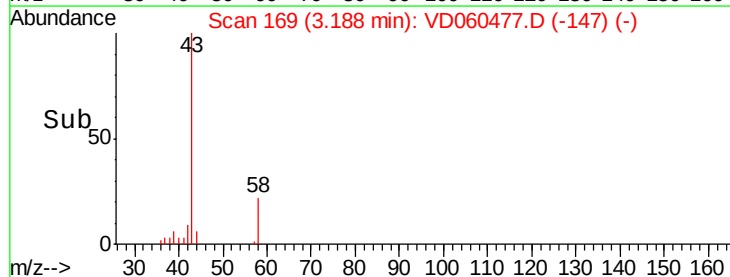
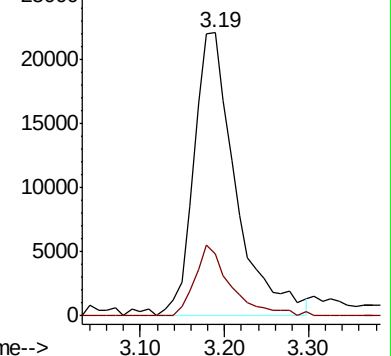
43 100

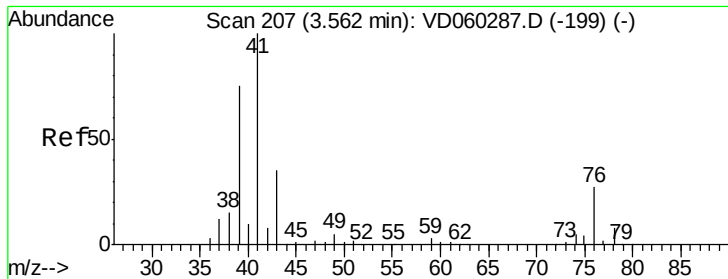
58 21.7 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#18

Methyl Acetate

Concen: 1.011 ug/l

RT: 3.59 min Scan# 210

Delta R.T. 0.03 min

Lab File: VD060477.D

Acq: 3 Dec 2018 16:11

Instrument :

MSVOA_D

ClientSampleId :

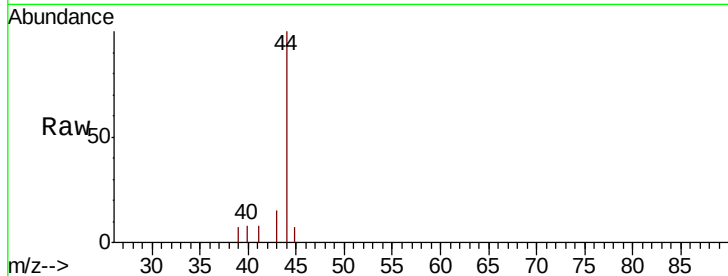
TR-04-113018

Tot Ion: 43 Resp: 3228

Ion Ratio Lower Upper

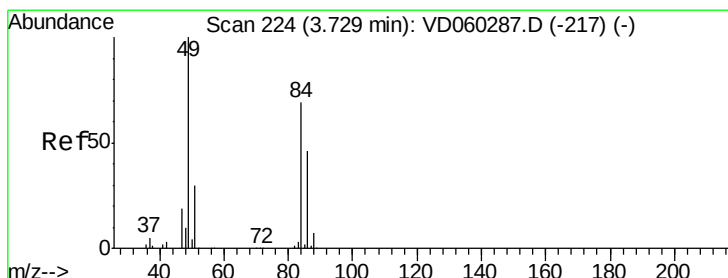
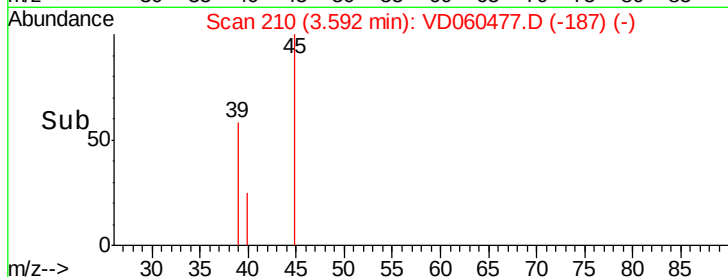
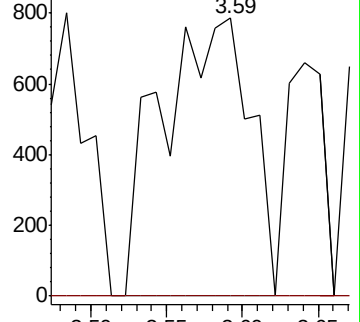
43 100

74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



#20

Methylene Chloride

Concen: 3.666 ug/l

RT: 3.74 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD060477.D

Acq: 3 Dec 2018 16:11

Tgt Ion: 84 Resp: 48702

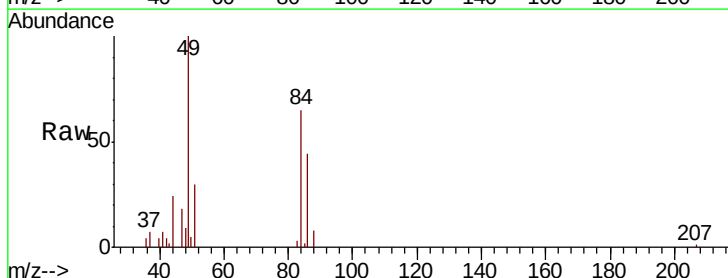
Ion Ratio Lower Upper

84 100

49 154.5 115.6 173.4

51 46.1 35.6 53.4

86 67.5 52.3 78.5

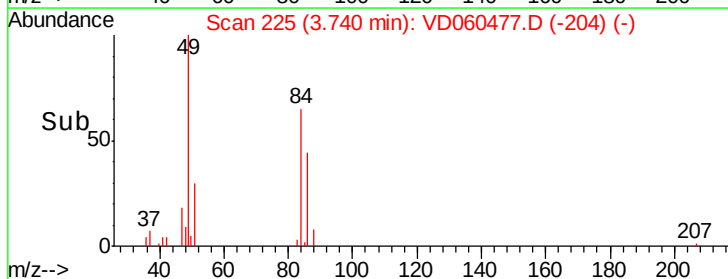
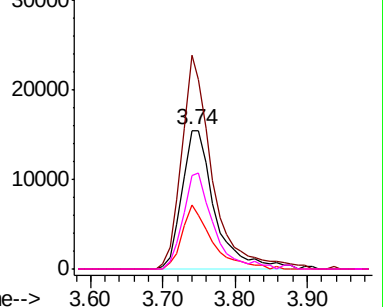


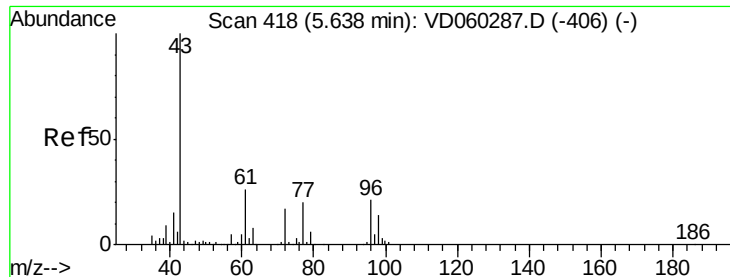
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.763 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060477.D

Acq: 3 Dec 2018 16:11

Instrument :

MSVOA_D

ClientSampleId :

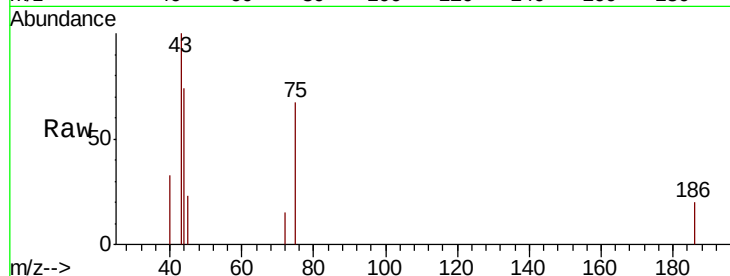
TR-04-113018

Tot Ion: 43 Resp: 5489

Ion Ratio Lower Upper

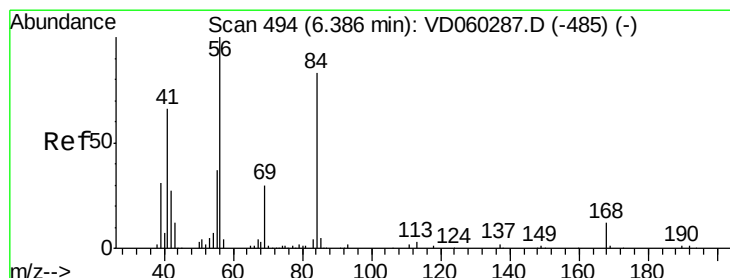
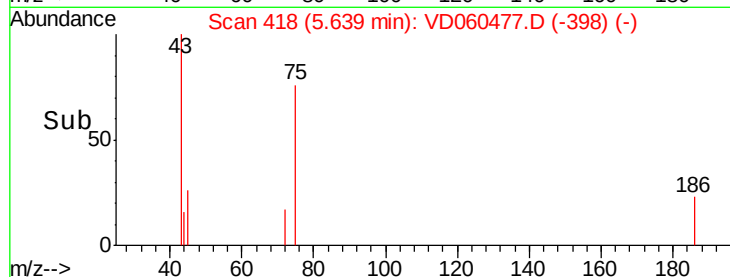
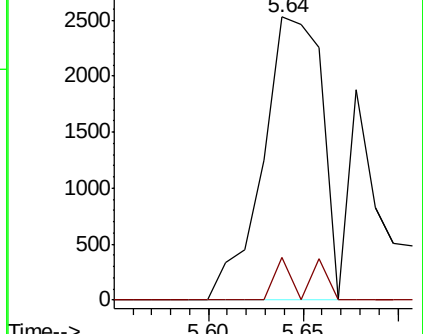
43 100

72 15.2 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: 1.044 ug/l

RT: 6.43 min Scan# 498

Delta R.T. 0.04 min

Lab File: VD060477.D

Acq: 3 Dec 2018 16:11

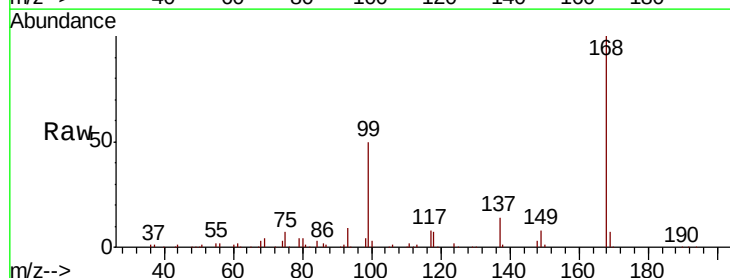
Tgt Ion: 56 Resp: 21528

Ion Ratio Lower Upper

56 100

69 238.5 22.2 33.2#

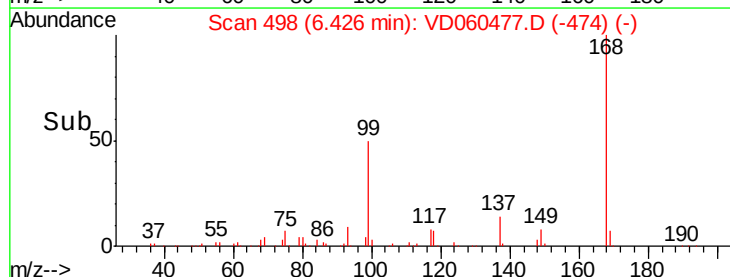
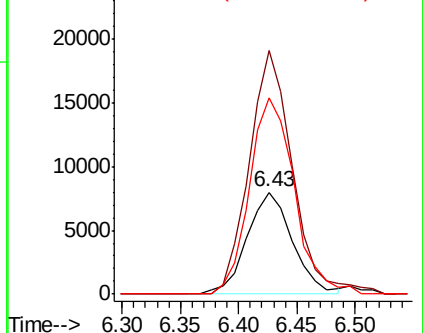
84 192.3 63.0 94.4#

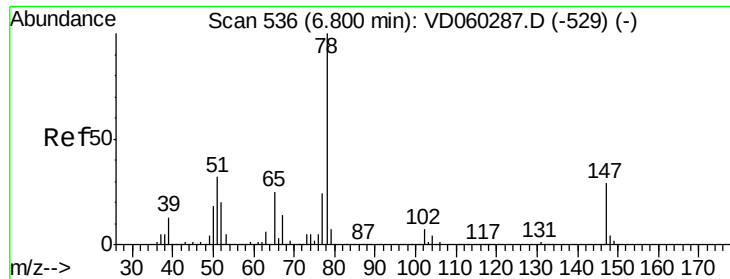


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

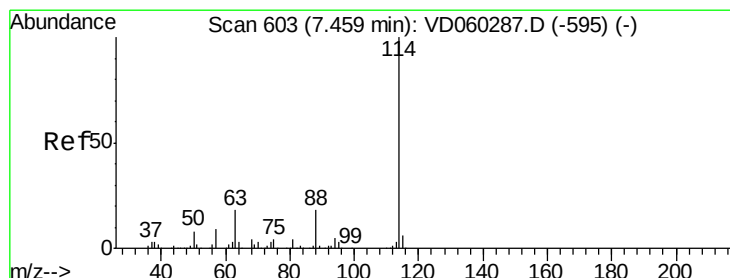
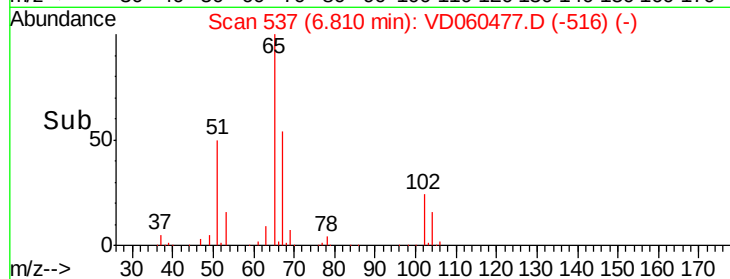
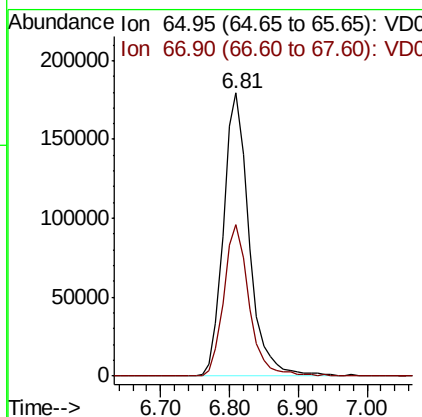
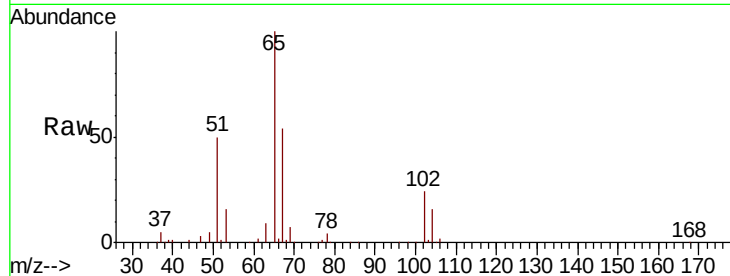




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.81 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VD060477.D
 Acq: 3 Dec 2018 16:11

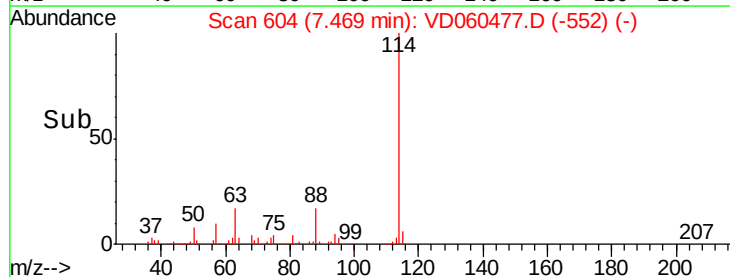
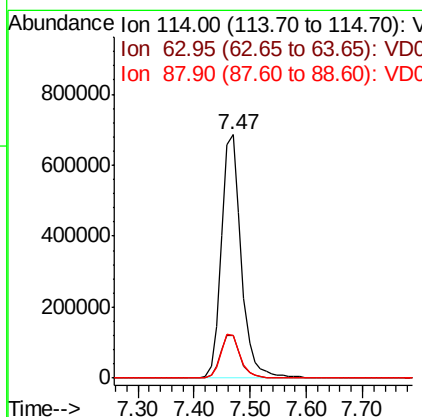
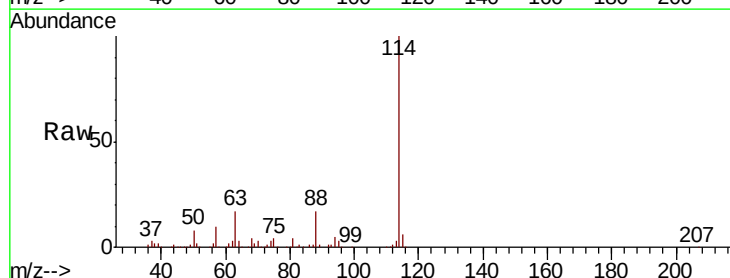
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-113018

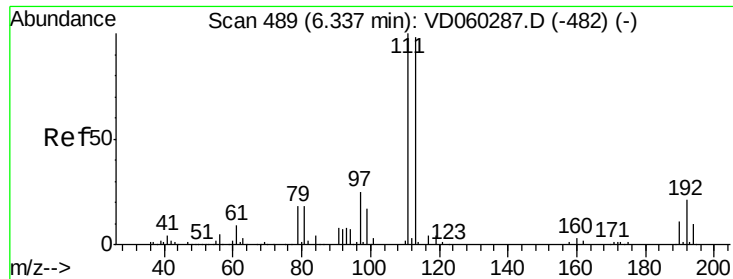
Tot Ion: 65 Resp: 464605
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD060477.D
 Acq: 3 Dec 2018 16:11

Tgt Ion: 114 Resp: 1691725
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.0
 88 17.4 0.0 35.4

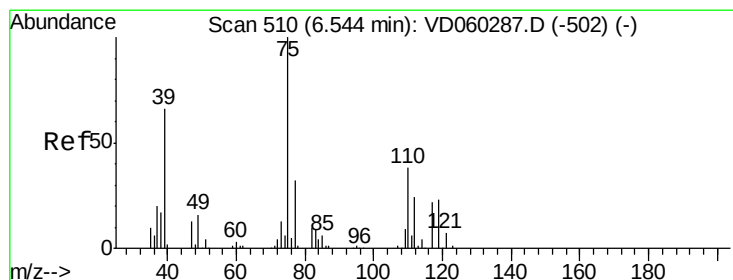
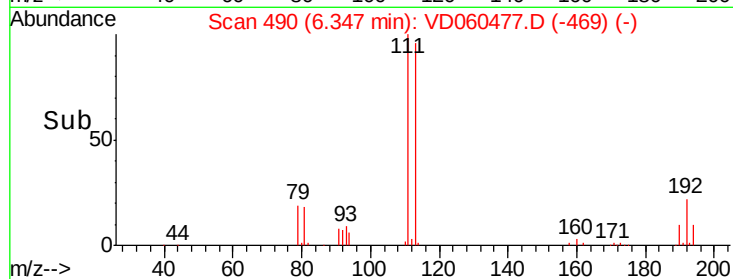
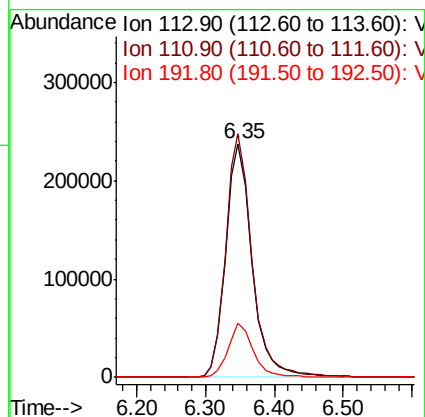
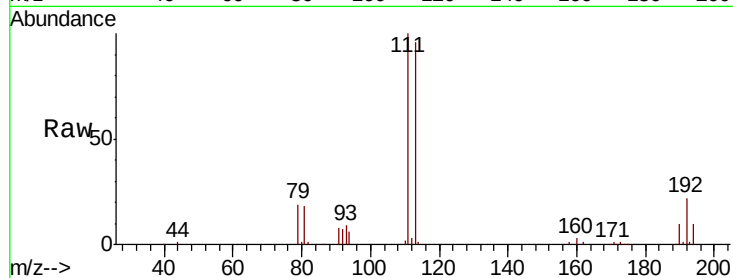




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060477.D
Acq: 3 Dec 2018 16:11

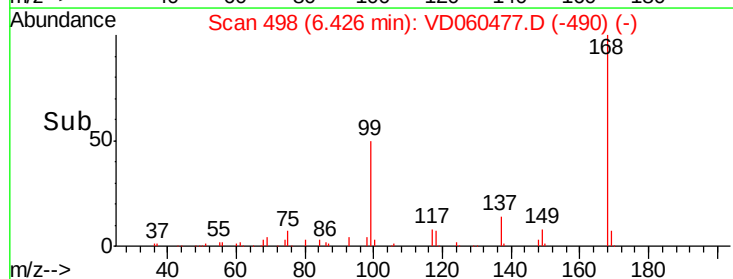
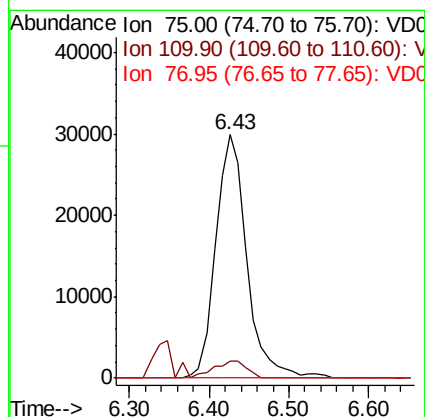
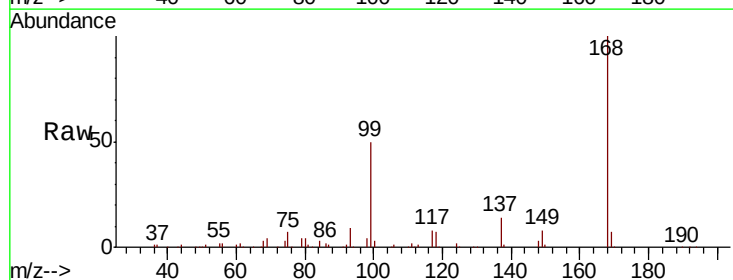
Instrument :
MSVOA_D
ClientSampleId :
TR-04-113018

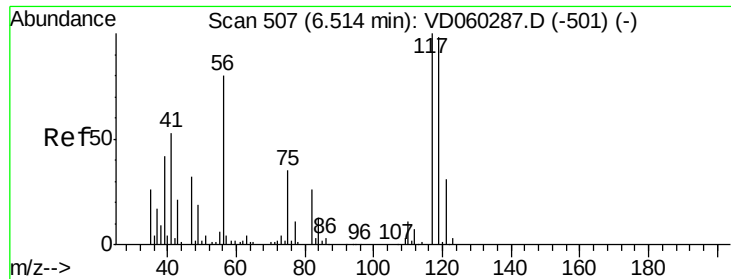
Tot Ion:113 Resp: 633780
Ion Ratio Lower Upper
113 100
111 104.3 81.6 122.4
192 23.1 16.5 24.7



#36
1,1-Dichloropropene
Concen: 4.880 ug/l
RT: 6.43 min Scan# 498
Delta R.T. -0.12 min
Lab File: VD060477.D
Acq: 3 Dec 2018 16:11

Tgt Ion: 75 Resp: 81567
Ion Ratio Lower Upper
75 100
110 7.0 18.0 54.0#
77 0.0 25.6 38.4#

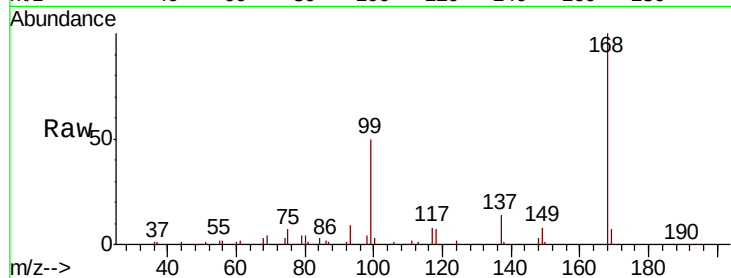




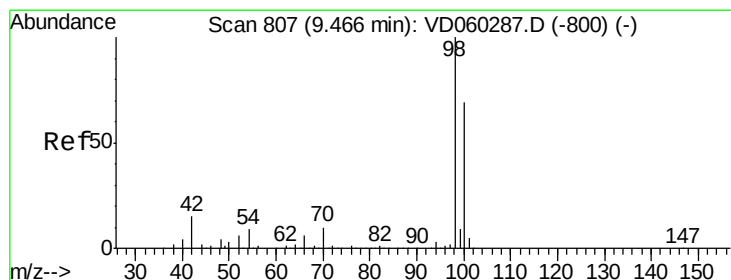
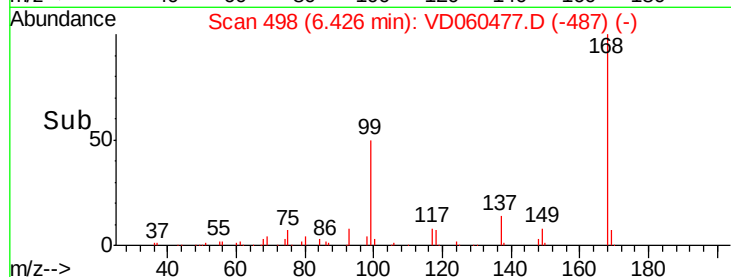
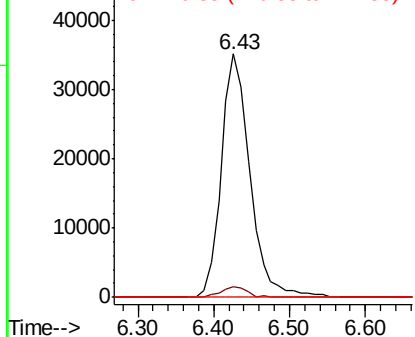
#38
Carbon Tetrachloride
Concen: 5.919 ug/l
RT: 6.43 min Scan# 498
Delta R.T. -0.09 min
Lab File: VD060477.D
Acq: 3 Dec 2018 16:11

Instrument :
MSVOA_D
ClientSampleId :
TR-04-113018

Tot Ion:117 Resp: 91767
Ion Ratio Lower Upper
117 100
119 4.4 76.6 115.0#
121 0.0 24.3 36.5#

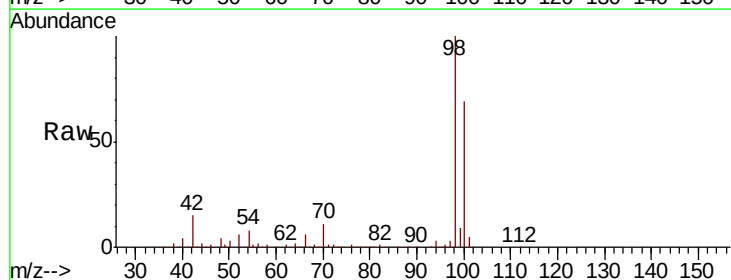


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

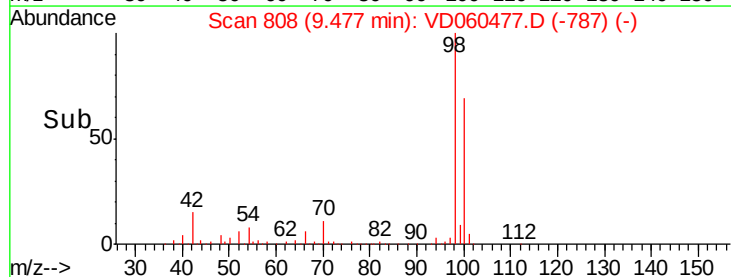
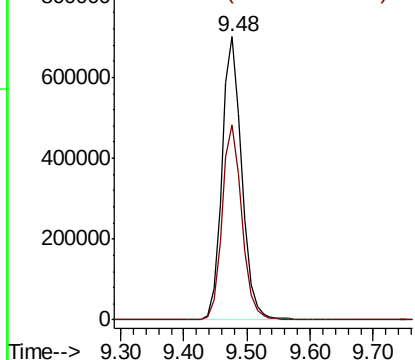


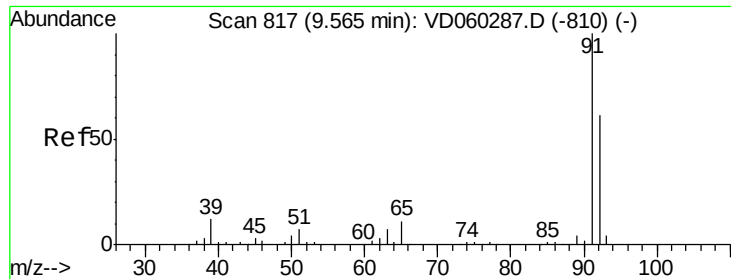
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.48 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060477.D
Acq: 3 Dec 2018 16:11

Tgt Ion: 98 Resp: 1530652
Ion Ratio Lower Upper
98 100
100 68.7 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: 3.805 ug/l

RT: 9.57 min Scan# 817

Delta R.T. 0.00 min

Lab File: VD060477.D

Acq: 3 Dec 2018 16:11

Instrument :

MSVOA_D

ClientSampleId :

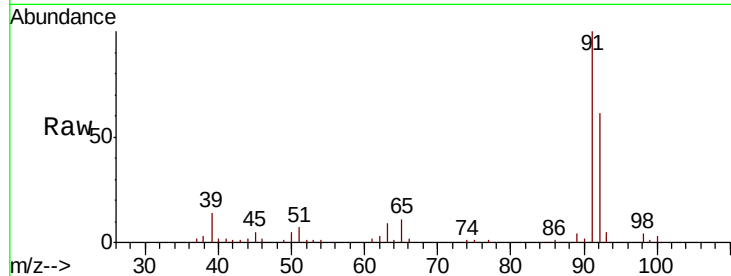
TR-04-113018

Tot Ion: 92 Resp: 103693

Ion Ratio Lower Upper

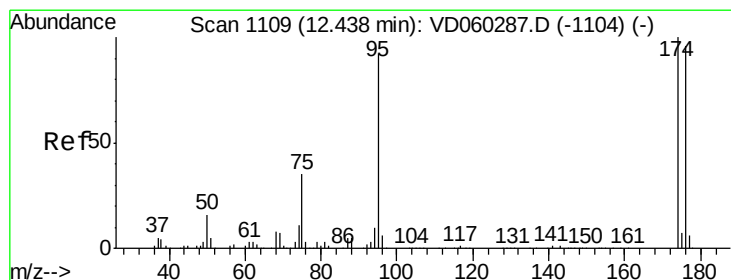
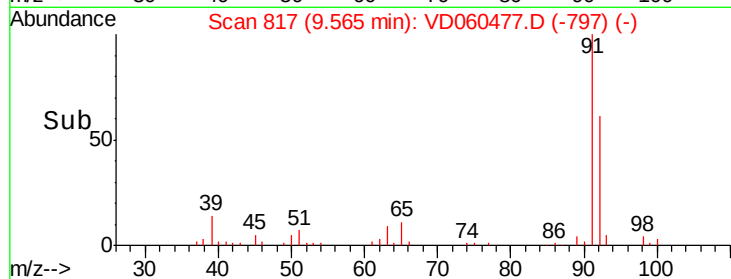
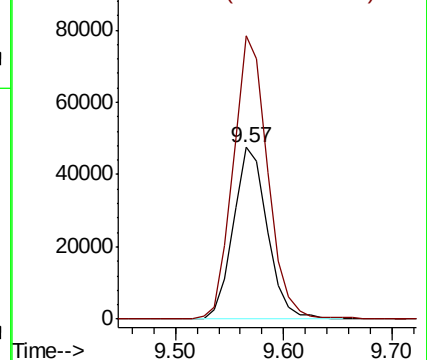
92 100

91 164.8 131.9 197.9



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: VD060477.D

Acq: 3 Dec 2018 16:11

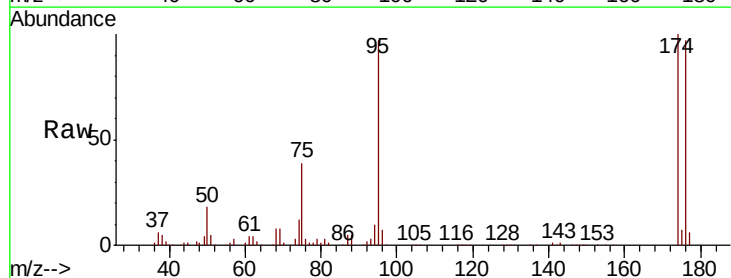
Tgt Ion: 95 Resp: 509894

Ion Ratio Lower Upper

95 100

174 102.7 0.0 160.8

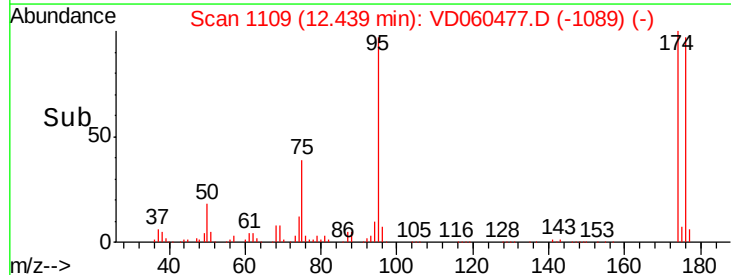
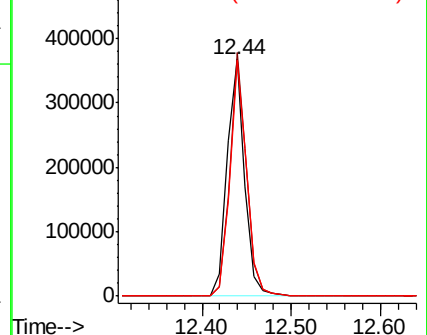
176 99.6 0.0 154.6

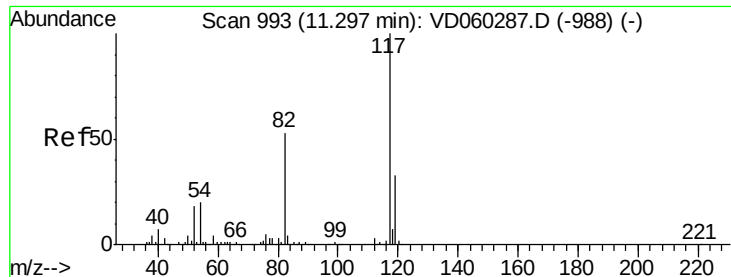


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

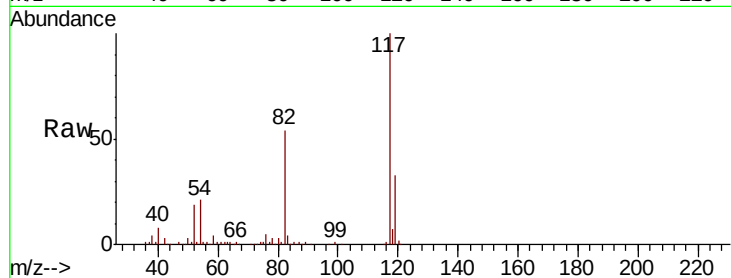




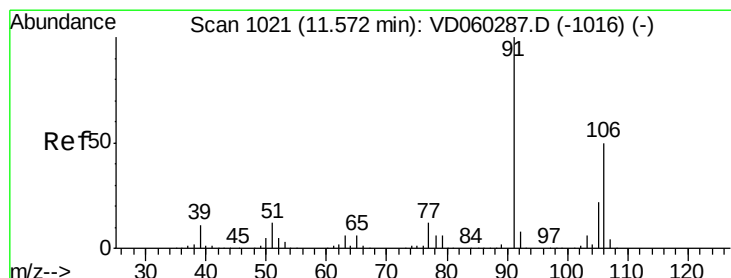
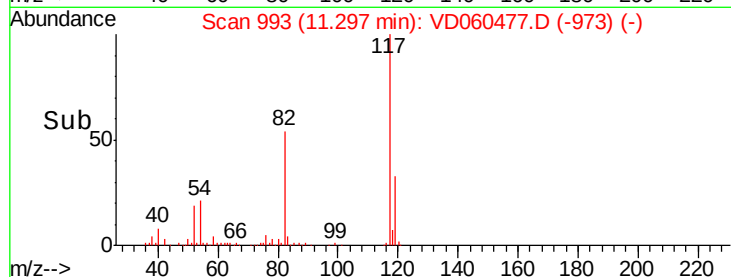
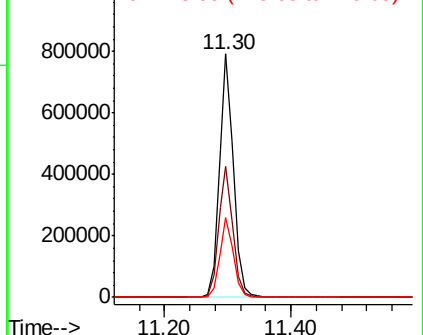
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD060477.D
Acq: 3 Dec 2018 16:11

Instrument :
MSVOA_D
ClientSampleId :
TR-04-113018

Tot Ion:117 Resp: 1244853
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 32.7 26.1 39.1

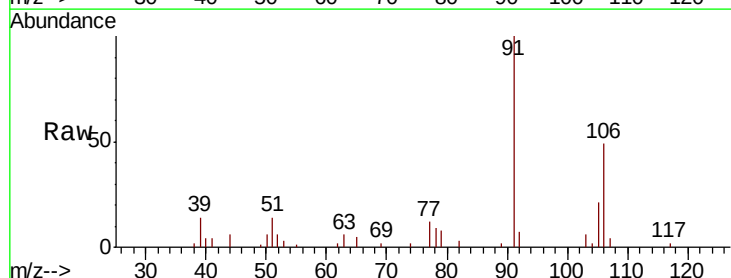


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

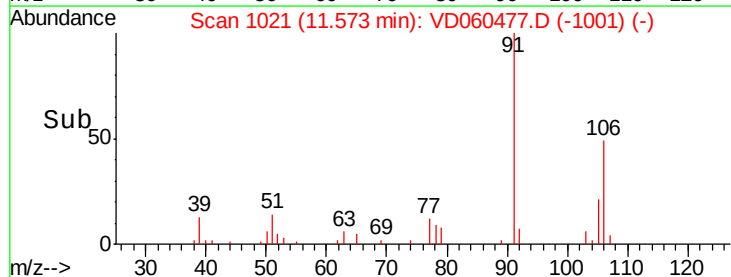
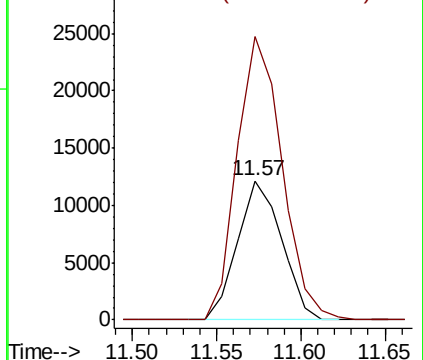


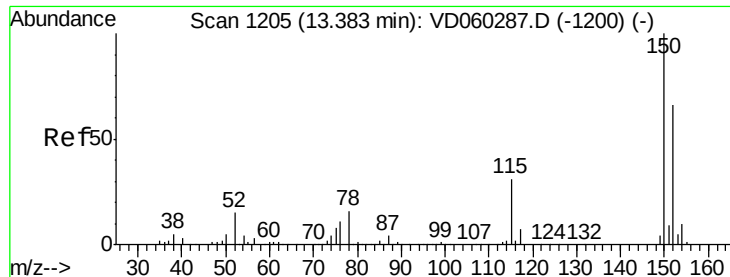
#68
m/p-Xylenes
Concen: 1.299 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD060477.D
Acq: 3 Dec 2018 16:11

Tgt Ion:106 Resp: 22102
Ion Ratio Lower Upper
106 100
91 203.6 159.4 239.2



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): 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: VD060477.D

Acq: 3 Dec 2018 16:11

Instrument :

MSVOA_D

ClientSampleId :

TR-04-113018

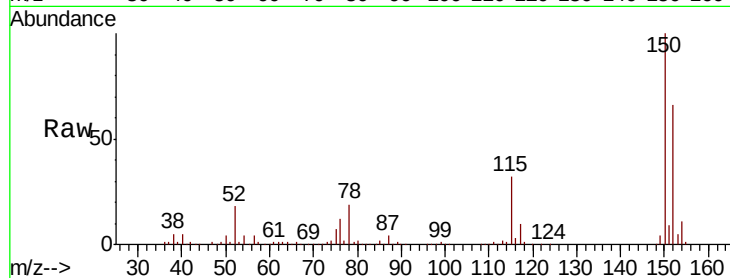
Tot Ion:152 Resp: 471084

Ion Ratio Lower Upper

152 100

115 48.5 24.1 72.3

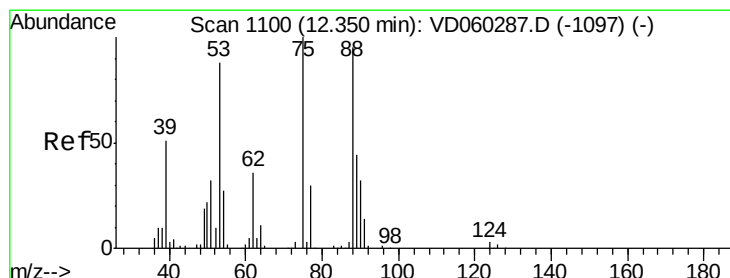
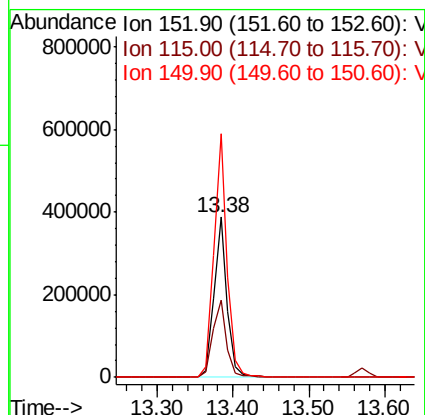
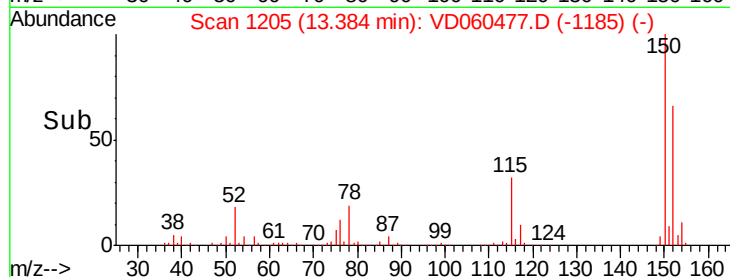
150 152.0 0.0 310.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 128.918 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.09 min

Lab File: VD060477.D

Acq: 3 Dec 2018 16:11

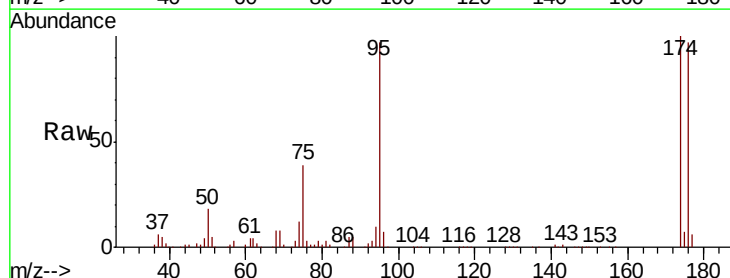
Tgt Ion: 75 Resp: 206830

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

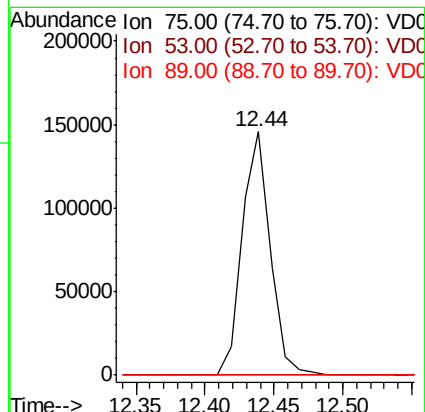
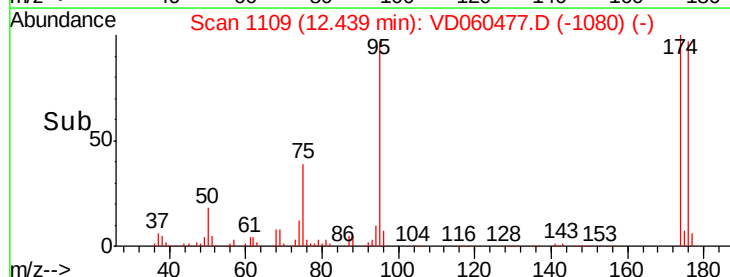
89 0.0 34.1 51.1#

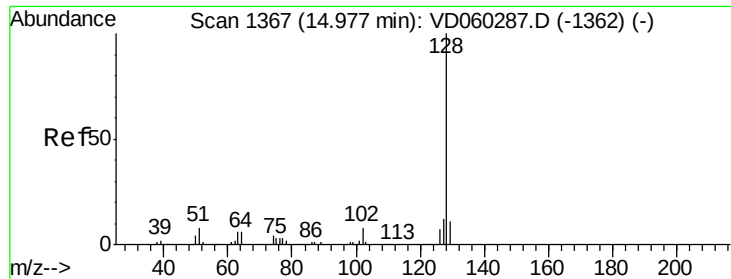


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

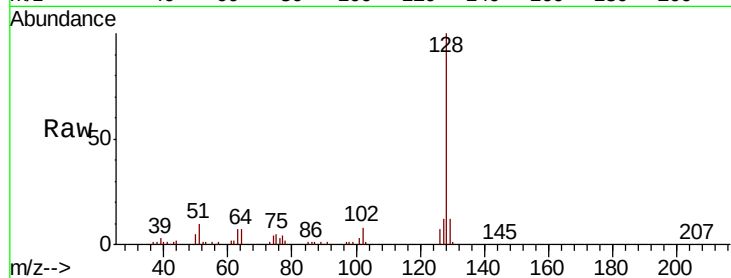




#95
Naphthalene
Concen: 6.266 ug/l
RT: 14.98 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VD060477.D
Acq: 3 Dec 2018 16:11

Instrument :
MSVOA_D
ClientSampleId :
TR-04-113018

Tot Ion:128 Resp: 80819
Ion Ratio Lower Upper
128 100
127 12.1 9.6 14.4
129 11.9 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

