

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111318\
 Data File : VD060360.D
 Acq On : 13 Nov 2018 15:02
 Operator : JC/SY
 Sample : J5901-04
 Misc : 5.33q/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 14 05:49:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1544446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2240713	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1697792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	752954	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	536285	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
35) Dibromofluoromethane	6.33	113	742693	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	
50) Toluene-d8	9.46	98	2055538	42.03	ug/l	0.00
Spiked Amount			Recovery	=	84.06%	
62) 4-Bromofluorobenzene	12.43	95	665206	37.54	ug/l	0.00
Spiked Amount			Recovery	=	75.08%	

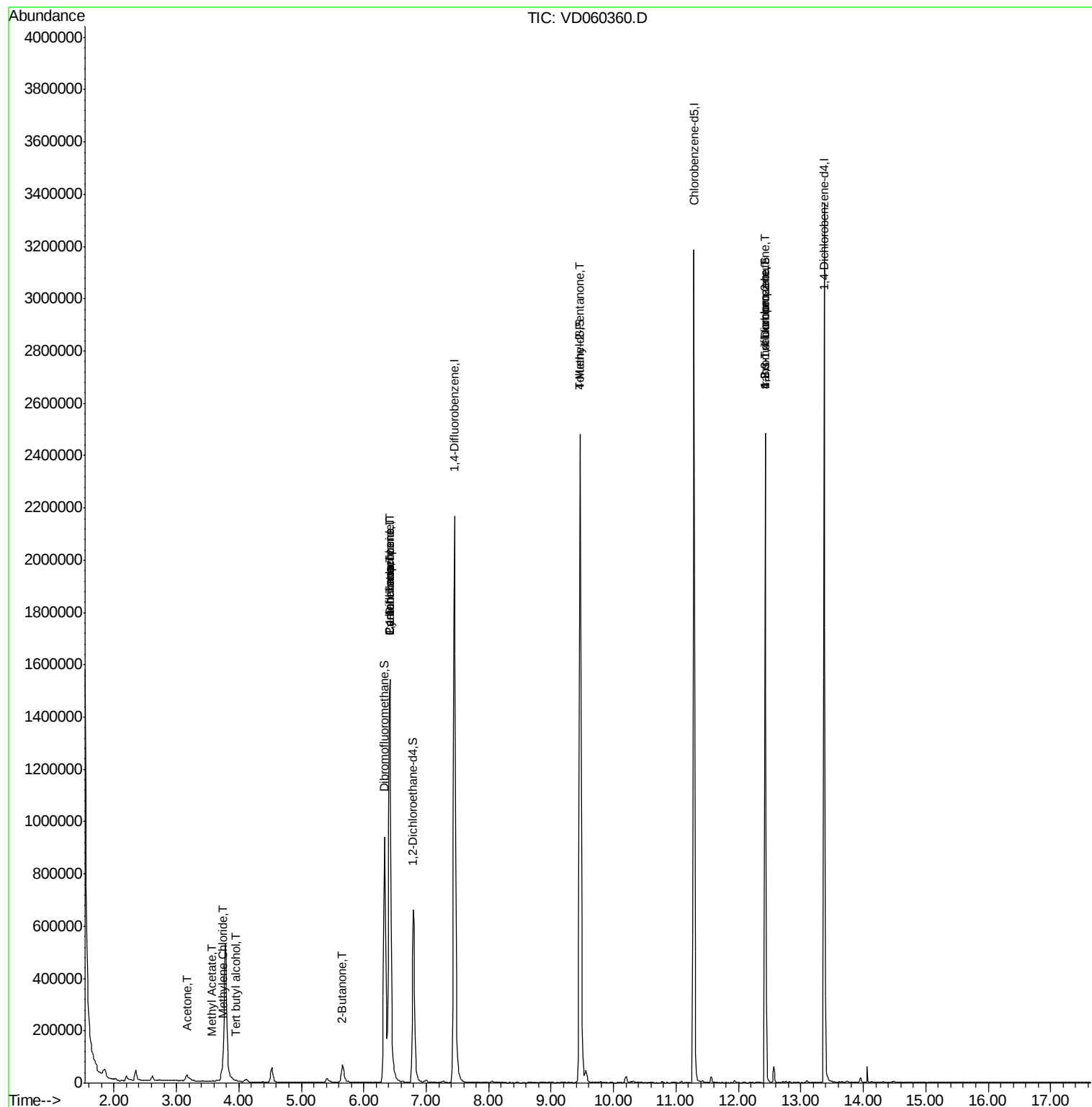
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	207	Below Cal	#	41
11) Tert butyl alcohol	3.97	59	1466	3.228	ug/l #	70
16) Acetone	3.17	43	48691	25.384	ug/l	93
18) Methyl Acetate	3.56	43	5427	1.327	ug/l #	63
20) Methylene Chloride	3.73	84	19962	1.173	ug/l	95
25) 2-Butanone	5.64	43	8062	2.022	ug/l #	60
31) Cyclohexane	6.41	56	34654	1.312	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	114655	5.179	ug/l #	46
38) Carbon Tetrachloride	6.42	117	120152	5.851	ug/l #	15
51) 4-Methyl-2-Pentanone	9.46	43	12861	1.544	ug/l #	1
76) 1,2,3-Trichloropropane	12.43	75	203913	22.639	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	282709	110.248	ug/l #	15
89) n-Butylbenzene	13.65	91	433	Below Cal	#	29

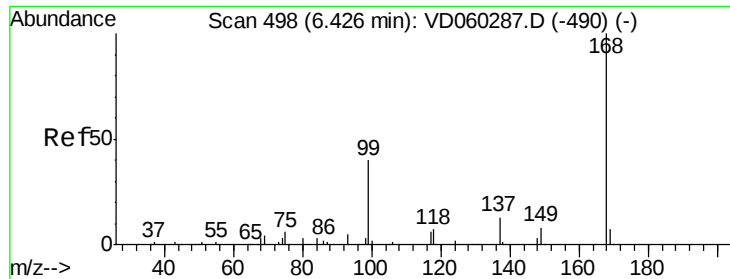
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111318\
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QLast Update : Tue Nov 06 13:56:04 2018
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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: VD060360.D

Acq: 13 Nov 2018 15:02

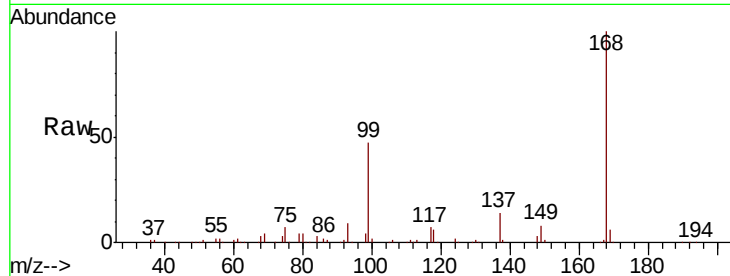
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 1544446

Ion Ratio Lower Upper

168 100

99 46.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.42

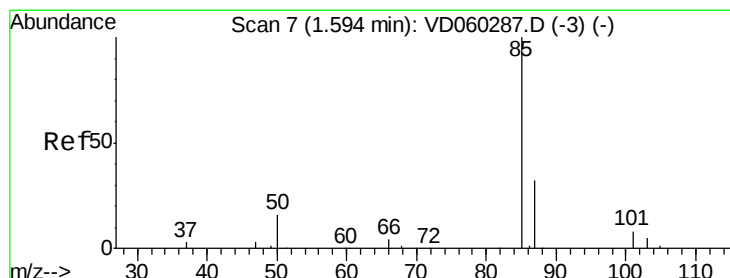
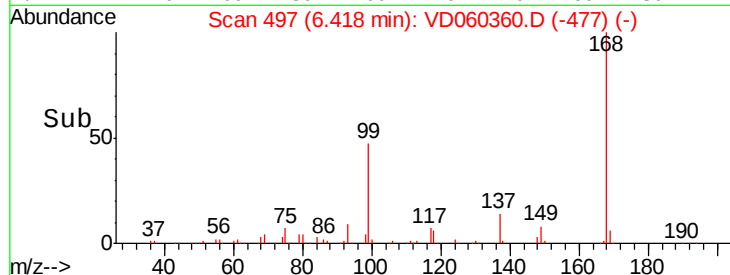
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060360.D

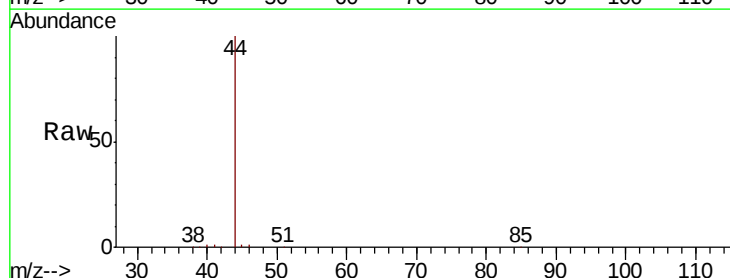
Acq: 13 Nov 2018 15:02

Tgt Ion: 85 Resp: 207

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.60

400

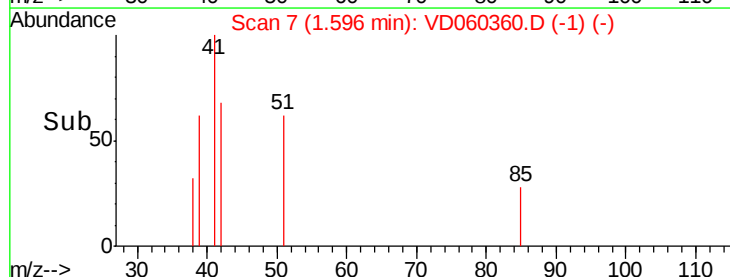
300

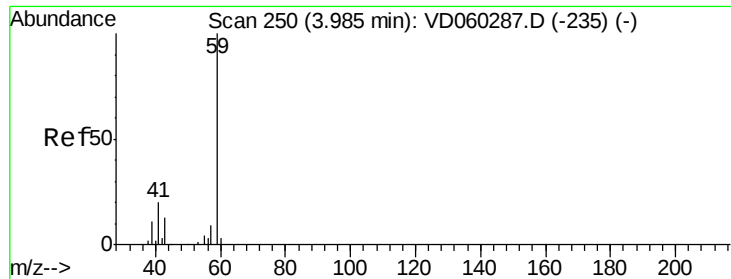
200

100

0

Time-->



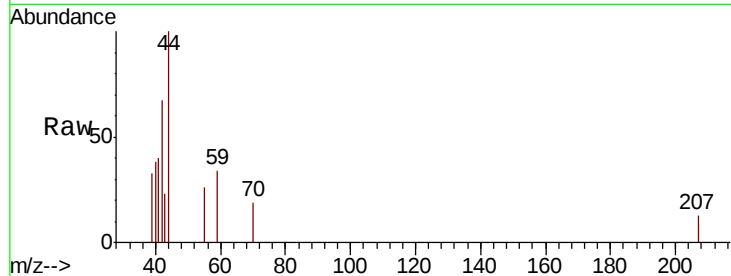


#11

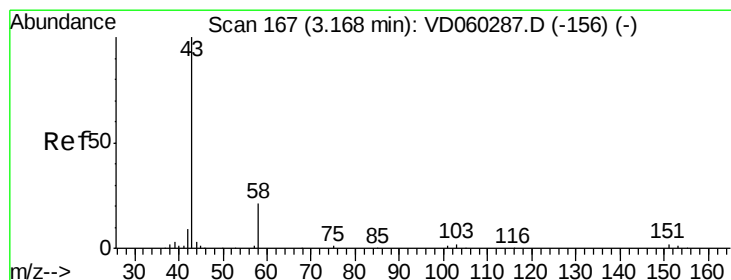
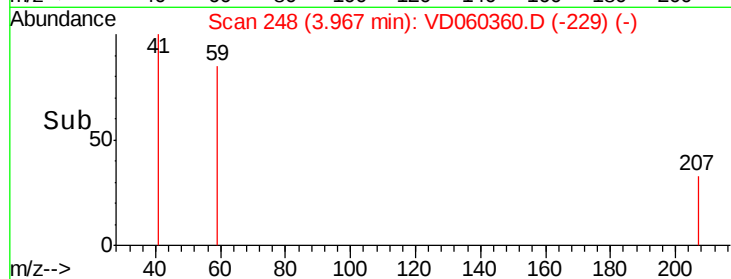
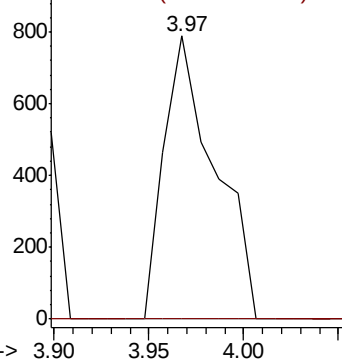
Tert butyl alcohol
Concen: 3.228 ug/l
RT: 3.97 min Scan# 248
Delta R.T. -0.02 min
Lab File: VD060360.D
Acq: 13 Nov 2018 15:02

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 59 Resp: 1466
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



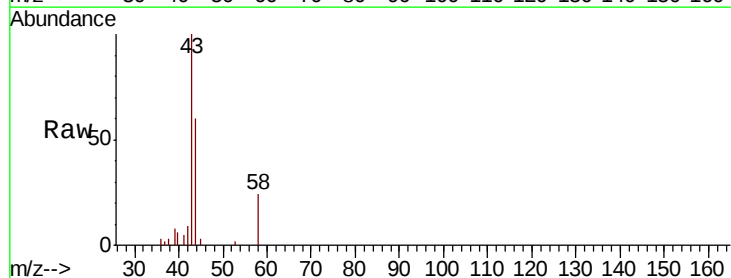
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



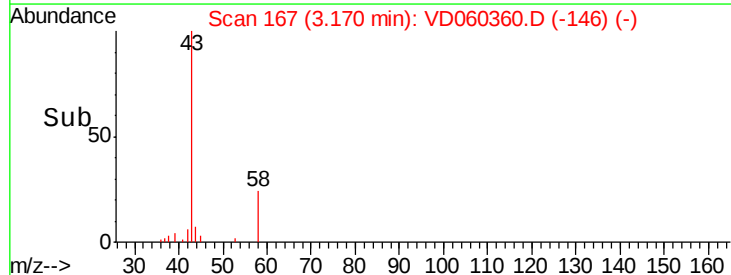
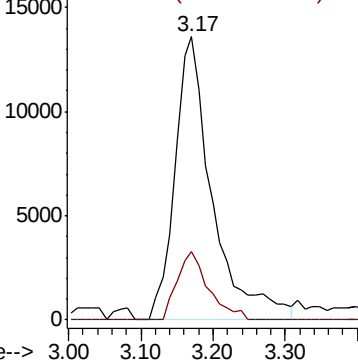
#16

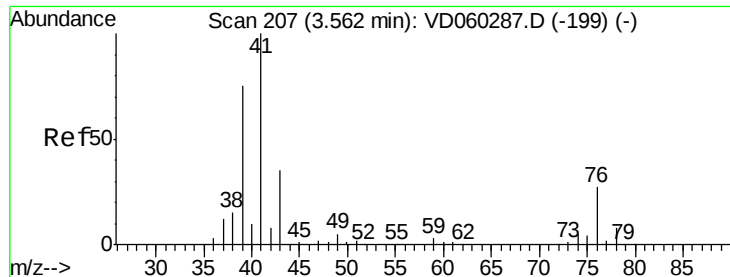
Acetone
Concen: 25.384 ug/l
RT: 3.17 min Scan# 167
Delta R.T. 0.00 min
Lab File: VD060360.D
Acq: 13 Nov 2018 15:02

Tgt Ion: 43 Resp: 48691
Ion Ratio Lower Upper
43 100
58 24.2 16.9 25.3



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

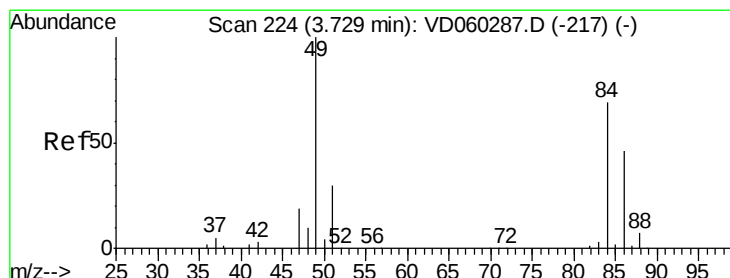
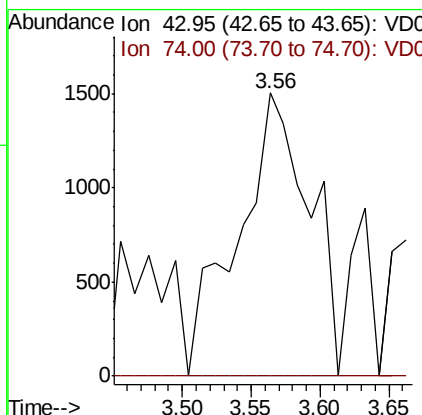
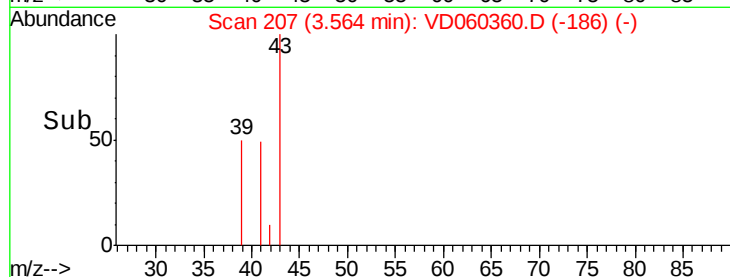
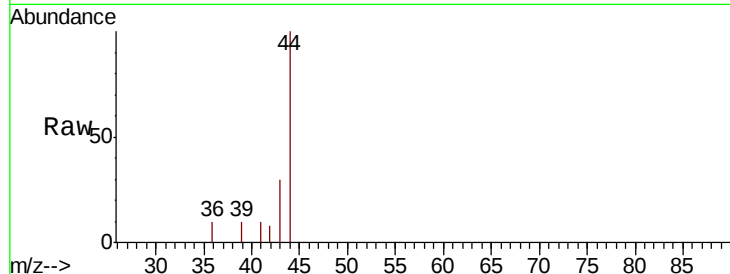




#18
Methvl Acetate
Concen: 1.327 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.00 min
Lab File: VD060360.D
Acq: 13 Nov 2018 15:02

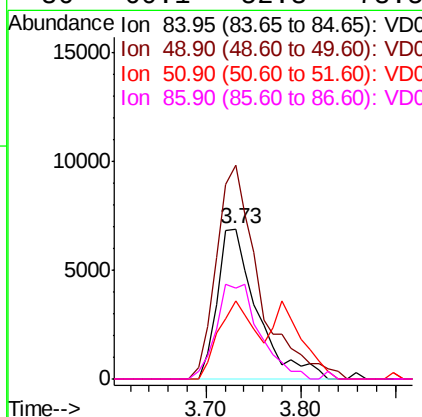
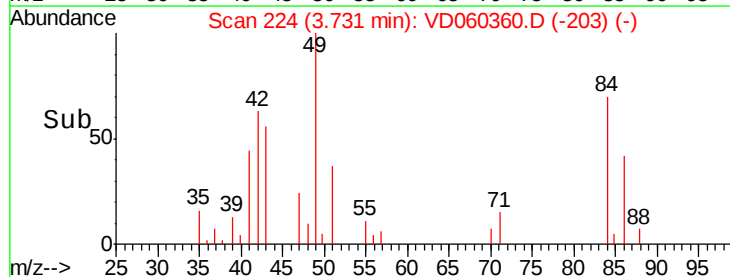
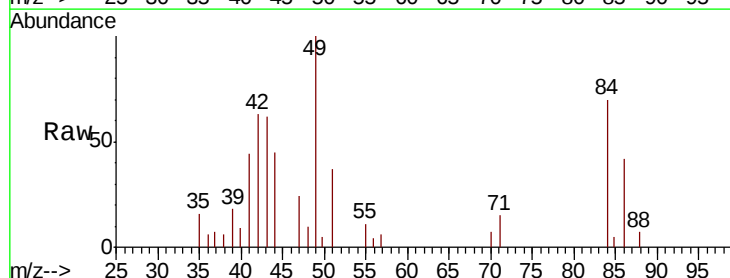
Instrument :
MSVOA_D
ClientSampleId :

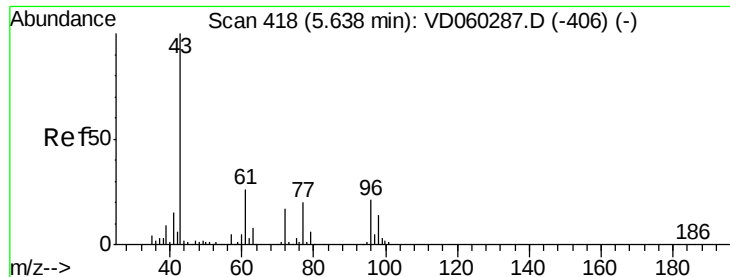
Tot Ion: 43 Resp: 5427
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 1.173 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060360.D
Acq: 13 Nov 2018 15:02

Tgt Ion: 84 Resp: 19962
Ion Ratio Lower Upper
84 100
49 142.0 115.6 173.4
51 52.0 35.6 53.4
86 60.1 52.3 78.5





#25

2-Butanone

Concen: 2.022 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060360.D

Acq: 13 Nov 2018 15:02

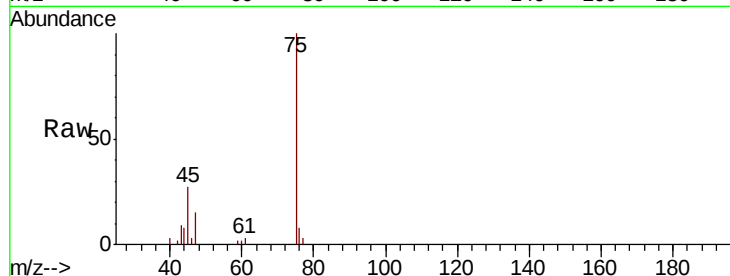
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 8062

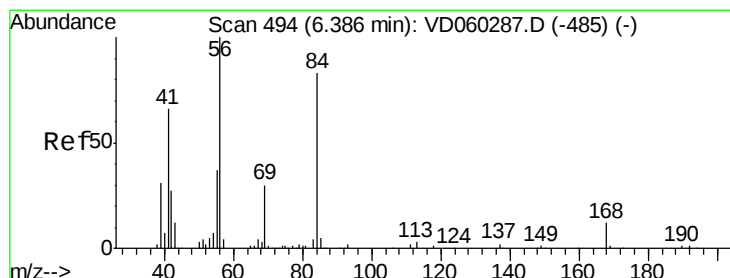
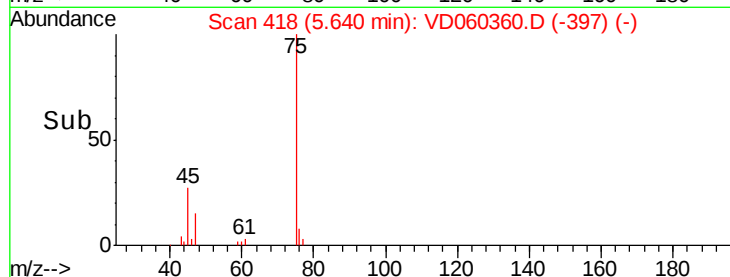
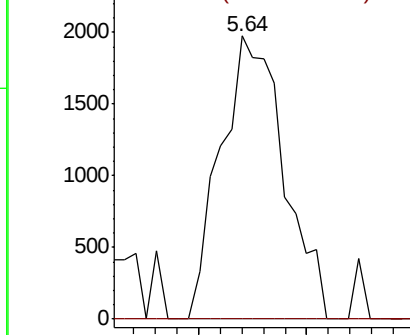
Ion Ratio Lower Upper

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: 1.312 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060360.D

Acq: 13 Nov 2018 15:02

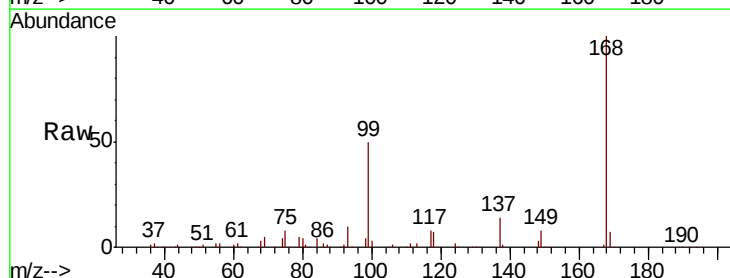
Tgt Ion: 56 Resp: 34654

Ion Ratio Lower Upper

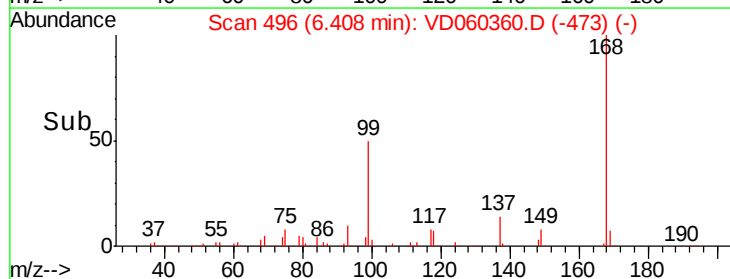
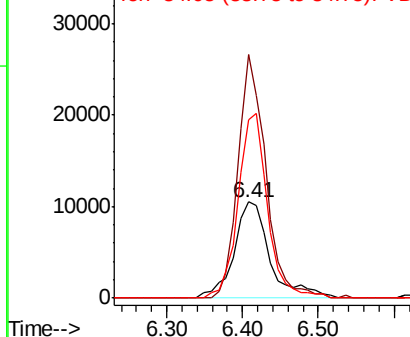
56 100

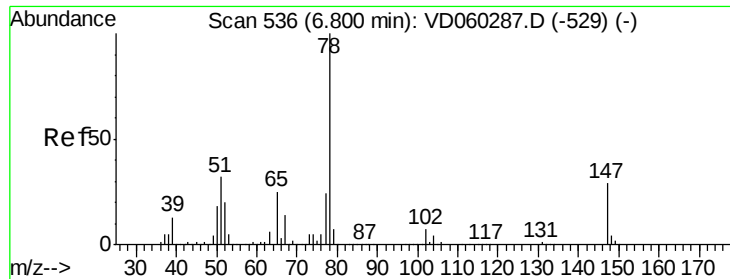
69 253.4 22.2 33.2#

84 185.3 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: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060360.D

Acq: 13 Nov 2018 15:02

Instrument :

MSVOA_D

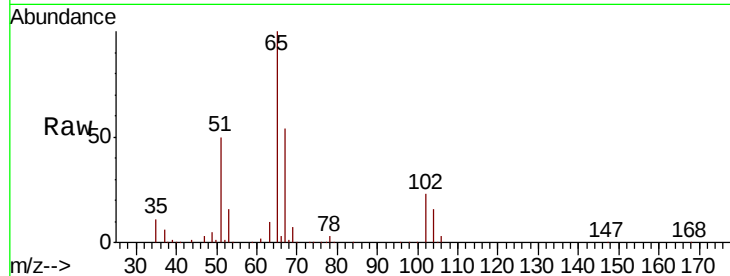
ClientSampled :

Tot Ion: 65 Resp: 536285

Ion Ratio Lower Upper

65 100

67 53.7 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.79

200000

150000

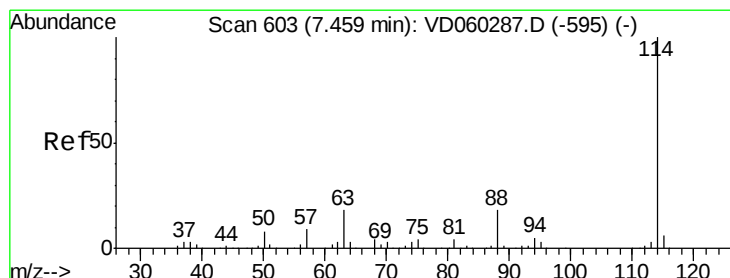
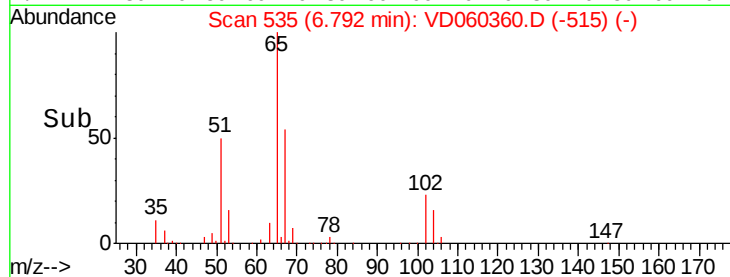
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060360.D

Acq: 13 Nov 2018 15:02

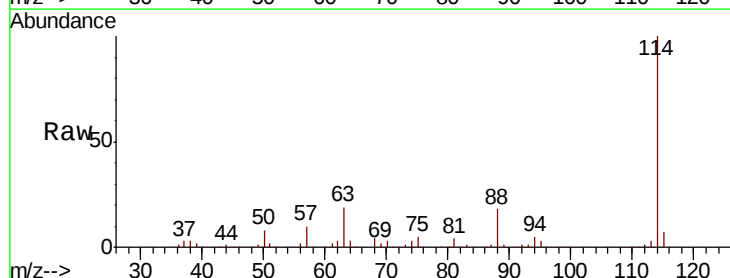
Tgt Ion:114 Resp: 2240713

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.0

88 18.4 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

7.45

1200000

1000000

800000

600000

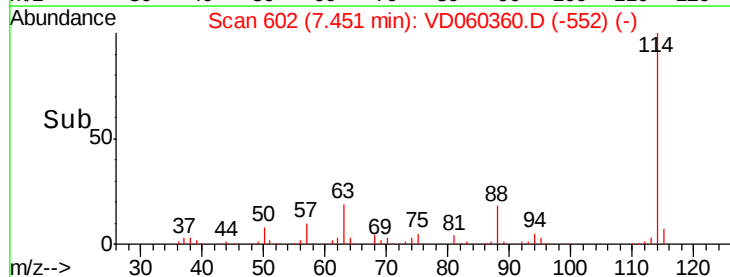
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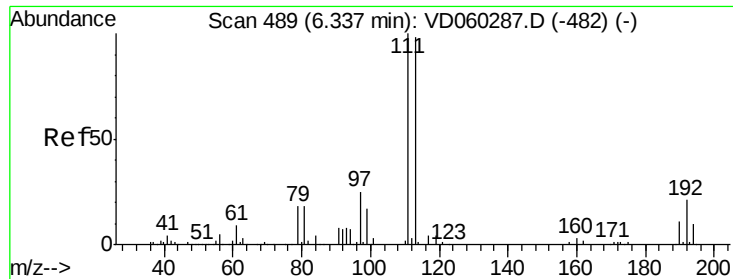
200000

0

7.40 7.60 7.80

Time-->

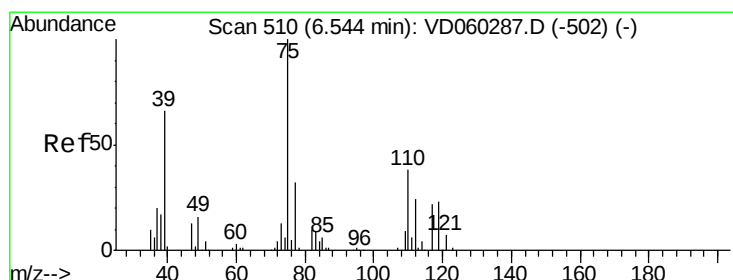
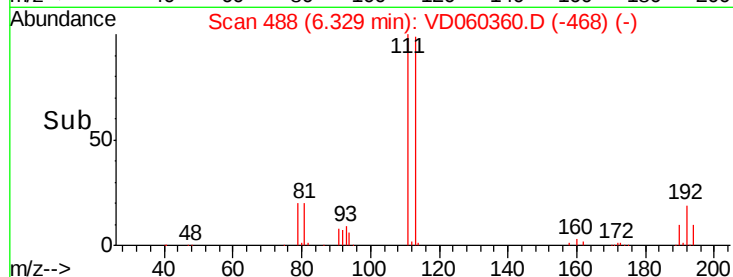
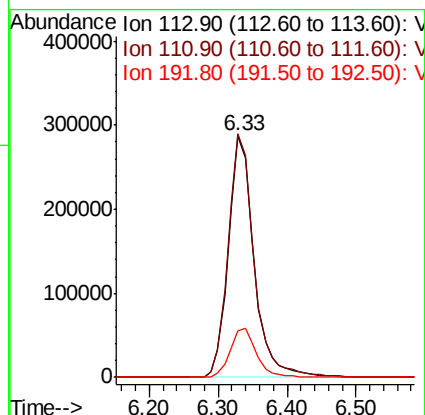
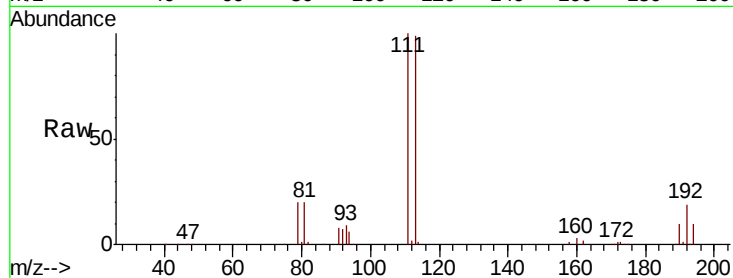




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060360.D
 Acq: 13 Nov 2018 15:02

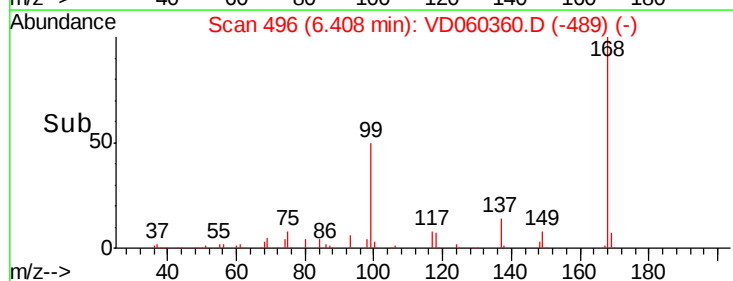
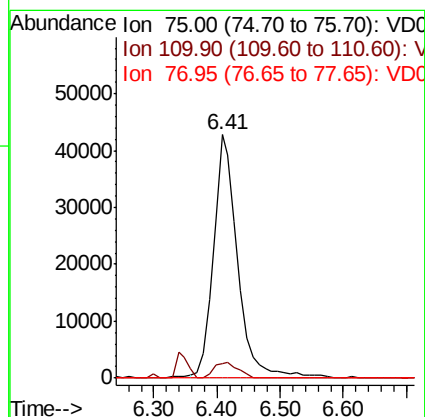
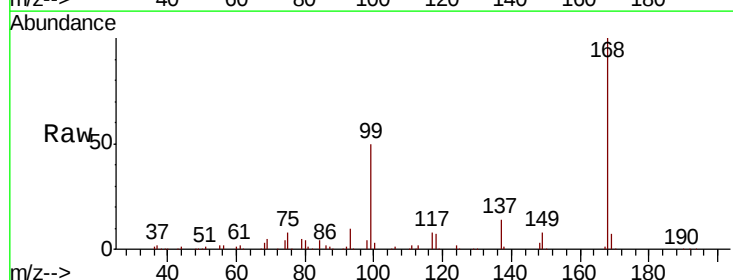
Instrument :
 MSVOA_D
 ClientSampleId :

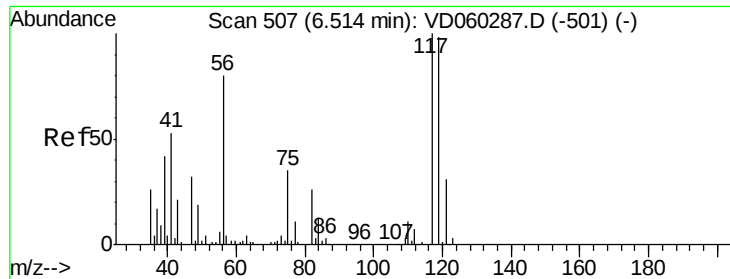
Tot Ion:113 Resp: 742693
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.6 122.4
 192 19.3 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 5.179 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.14 min
 Lab File: VD060360.D
 Acq: 13 Nov 2018 15:02

Tgt Ion: 75 Resp: 114655
 Ion Ratio Lower Upper
 75 100
 110 6.1 18.0 54.0#
 77 0.0 25.6 38.4#

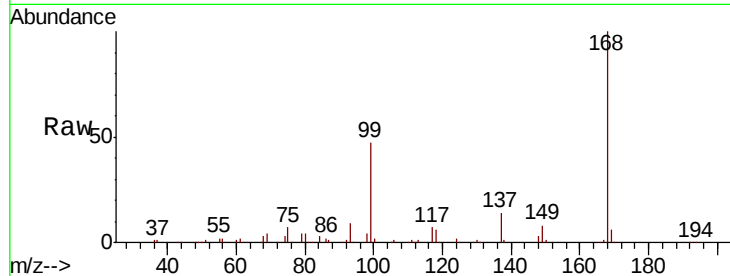




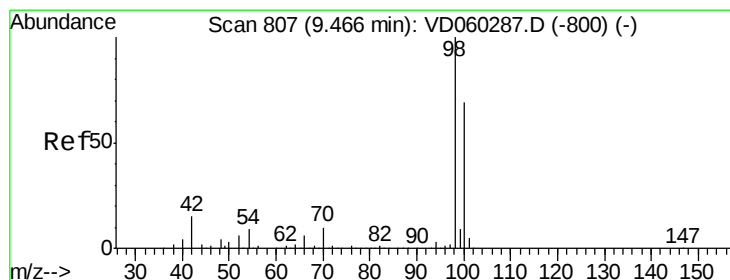
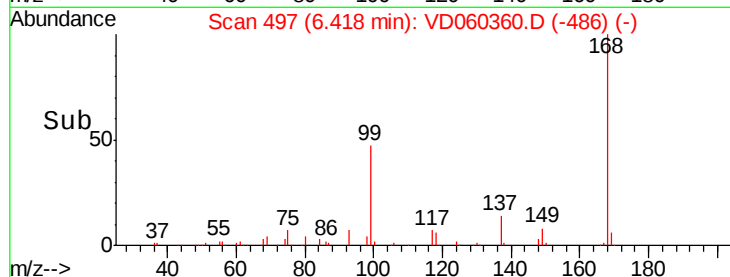
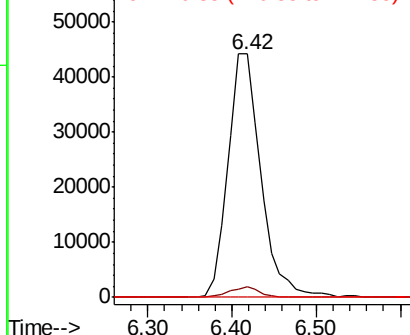
#38
Carbon Tetrachloride
Concen: 5.851 ug/l
RT: 6.42 min Scan# 497
Delta R.T. -0.10 min
Lab File: VD060360.D
Acq: 13 Nov 2018 15:02

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 120152
Ion Ratio Lower Upper
117 100
119 4.3 76.6 115.0#
121 0.0 24.3 36.5#

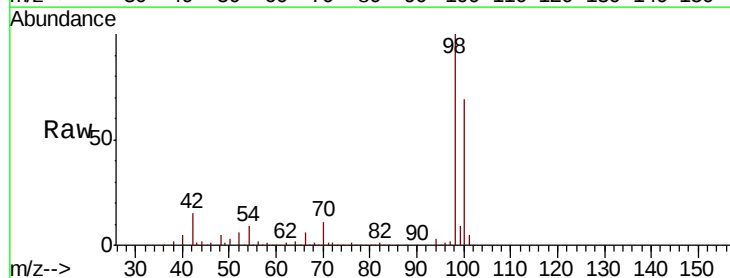


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

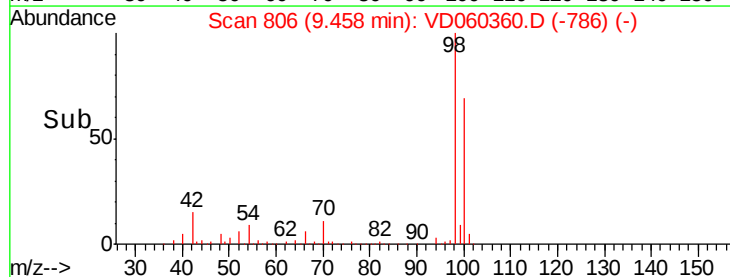
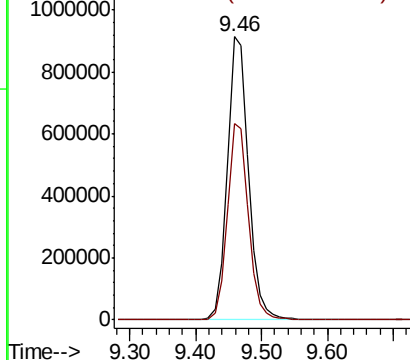


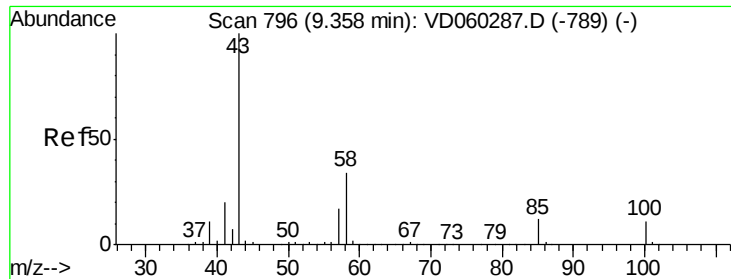
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060360.D
Acq: 13 Nov 2018 15:02

Tgt Ion: 98 Resp: 2055538
Ion Ratio Lower Upper
98 100
100 69.2 55.2 82.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.544 ug/l

RT: 9.46 min Scan# 806

Delta R.T. 0.10 min

Lab File: VD060360.D

Acq: 13 Nov 2018 15:02

Instrument :

MSVOA_D

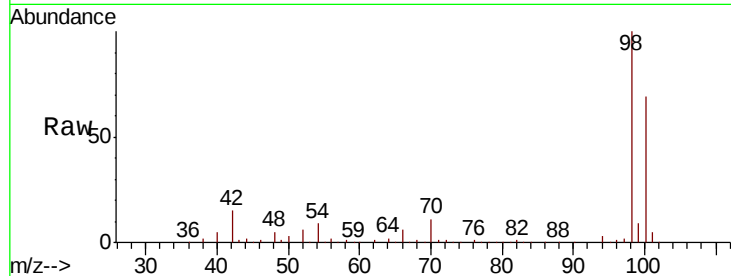
ClientSampleId :

Tot Ion: 43 Resp: 12861

Ion Ratio Lower Upper

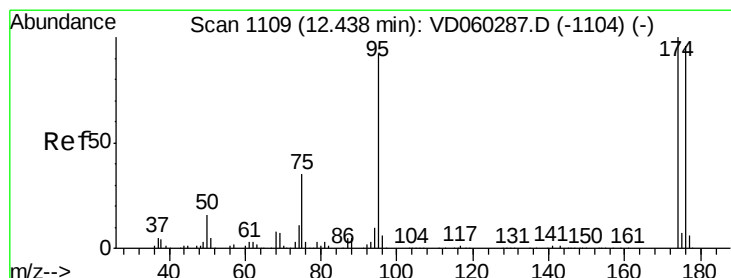
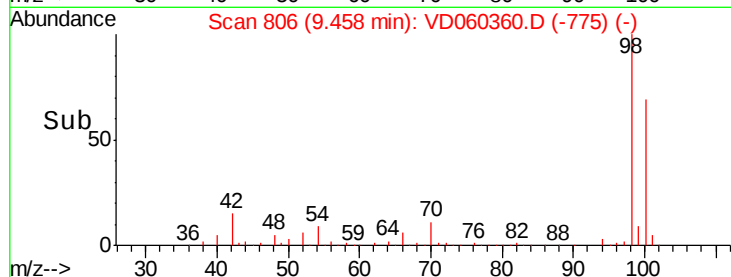
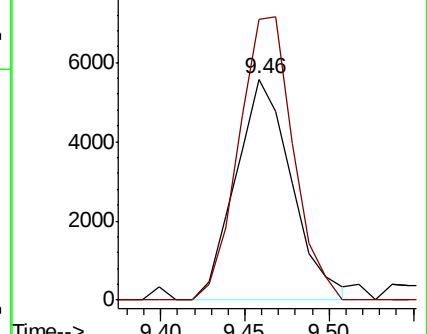
43 100

58 126.8 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060360.D

Acq: 13 Nov 2018 15:02

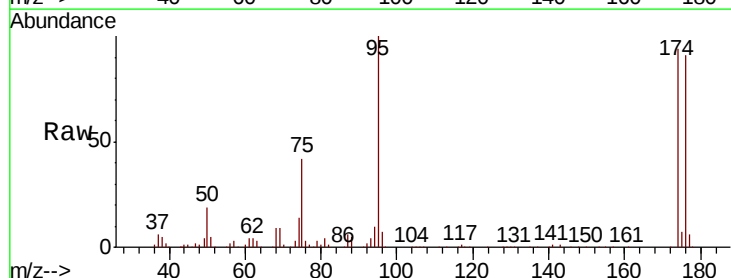
Tgt Ion: 95 Resp: 665206

Ion Ratio Lower Upper

95 100

174 94.2 0.0 160.8

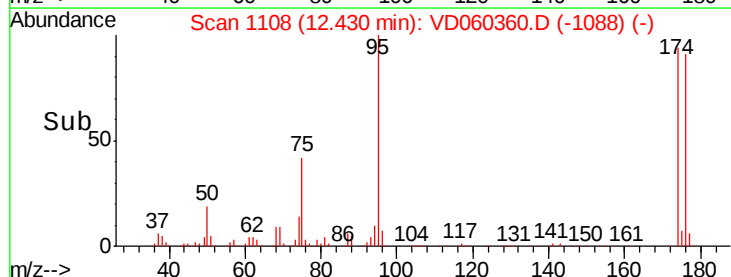
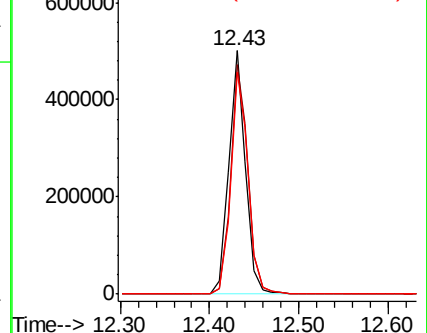
176 91.2 0.0 154.6

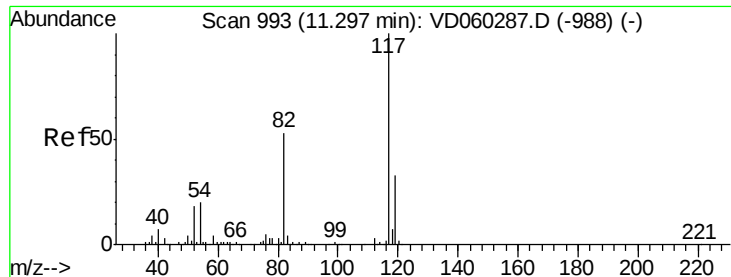


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

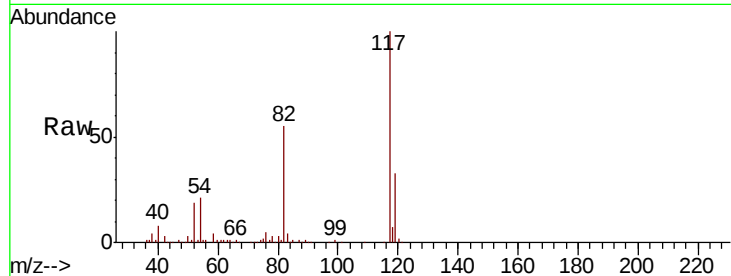




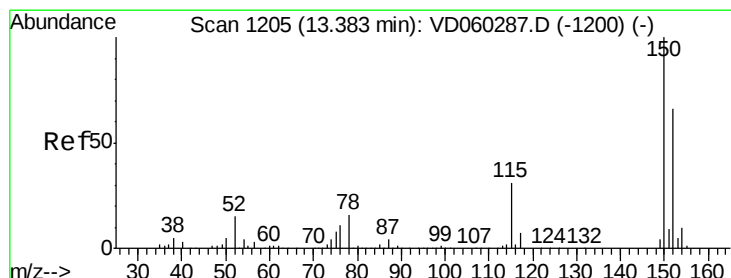
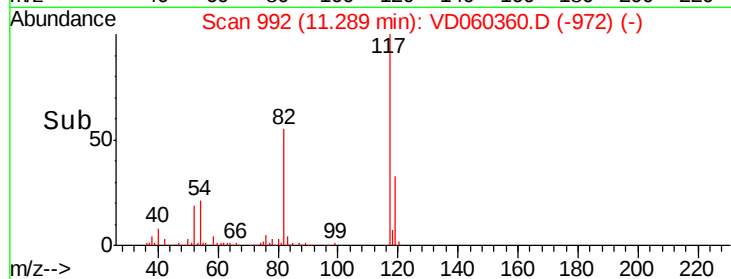
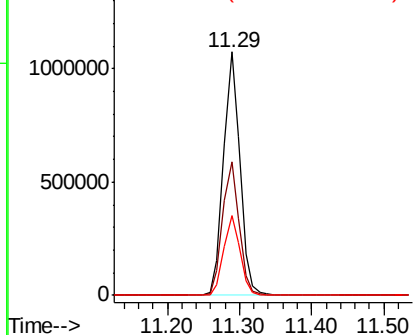
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060360.D
Acq: 13 Nov 2018 15:02

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1697792
Ion Ratio Lower Upper
117 100
82 54.6 43.7 65.5
119 33.0 26.1 39.1

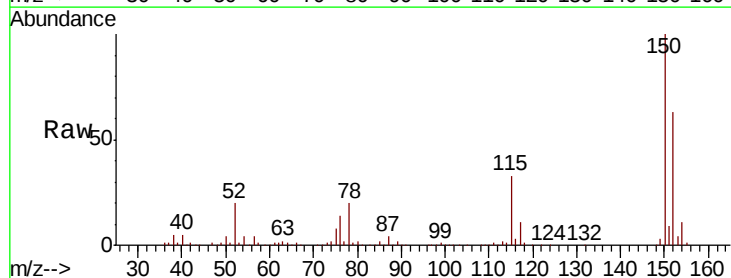


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

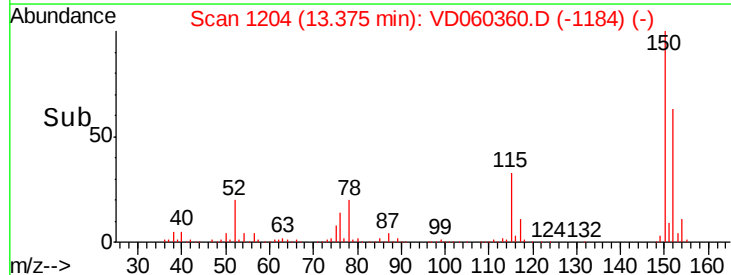
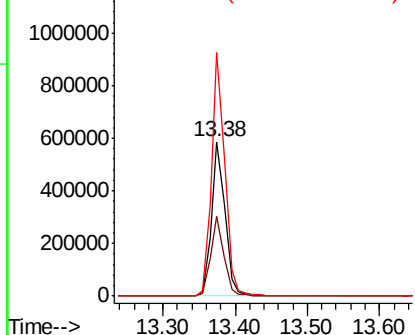


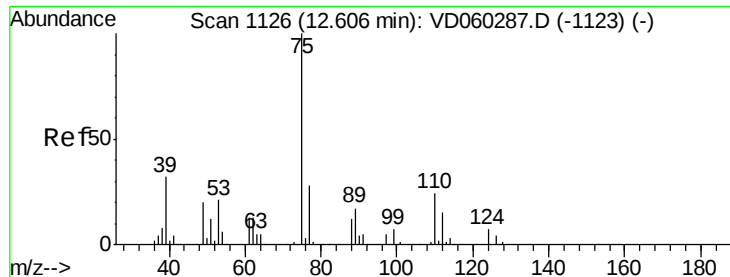
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060360.D
Acq: 13 Nov 2018 15:02

Tgt Ion:152 Resp: 752954
Ion Ratio Lower Upper
152 100
115 52.0 24.1 72.3
150 157.8 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





#76

1,2,3-Trichloropropane

Concen: 22.639 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.18 min

Lab File: VD060360.D

Acq: 13 Nov 2018 15:02

Instrument :

MSVOA_D

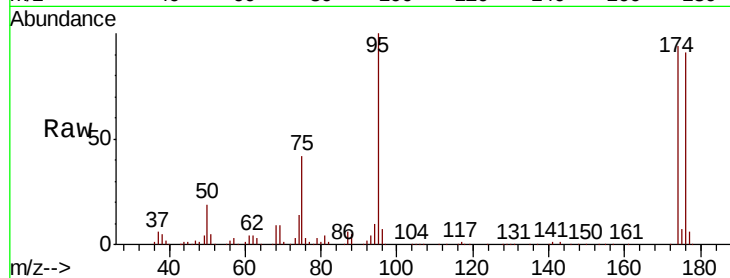
ClientSampleId :

Tot Ion: 75 Resp: 203913

Ion Ratio Lower Upper

75 100

77 1.8 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

200000

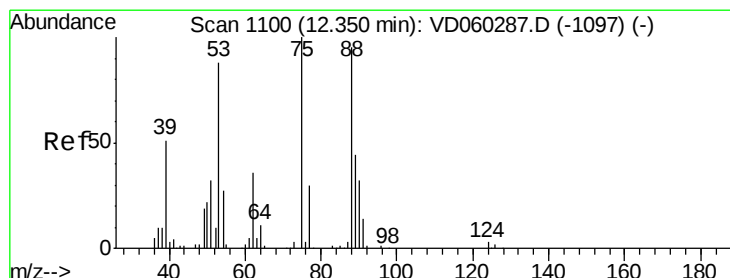
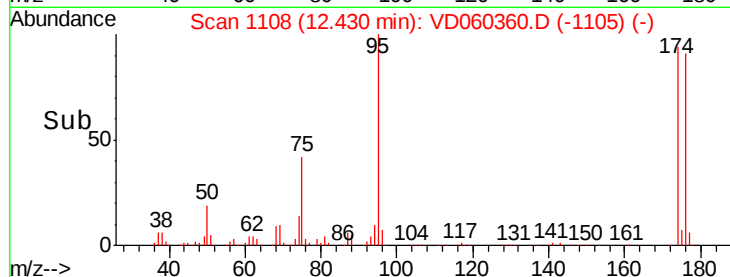
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 110.248 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060360.D

Acq: 13 Nov 2018 15:02

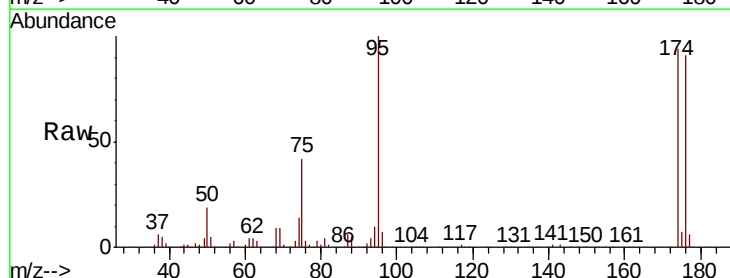
Tgt Ion: 75 Resp: 282709

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

200000

150000

100000

50000

0

Time-->

