

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111918\
 Data File : VD060417.D
 Acq On : 19 Nov 2018 15:31
 Operator : JC/SY
 Sample : J5991-01
 Misc : 5.03g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WS-RO-358

Quant Time: Nov 20 00:31:47 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	1375792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1857559	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1424377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	623142	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	360098	36.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.10%	
35) Dibromofluoromethane	6.33	113	510662	36.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.74%	
50) Toluene-d8	9.46	98	1357718	33.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.98%	
62) 4-Bromofluorobenzene	12.43	95	467461	31.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.64%	

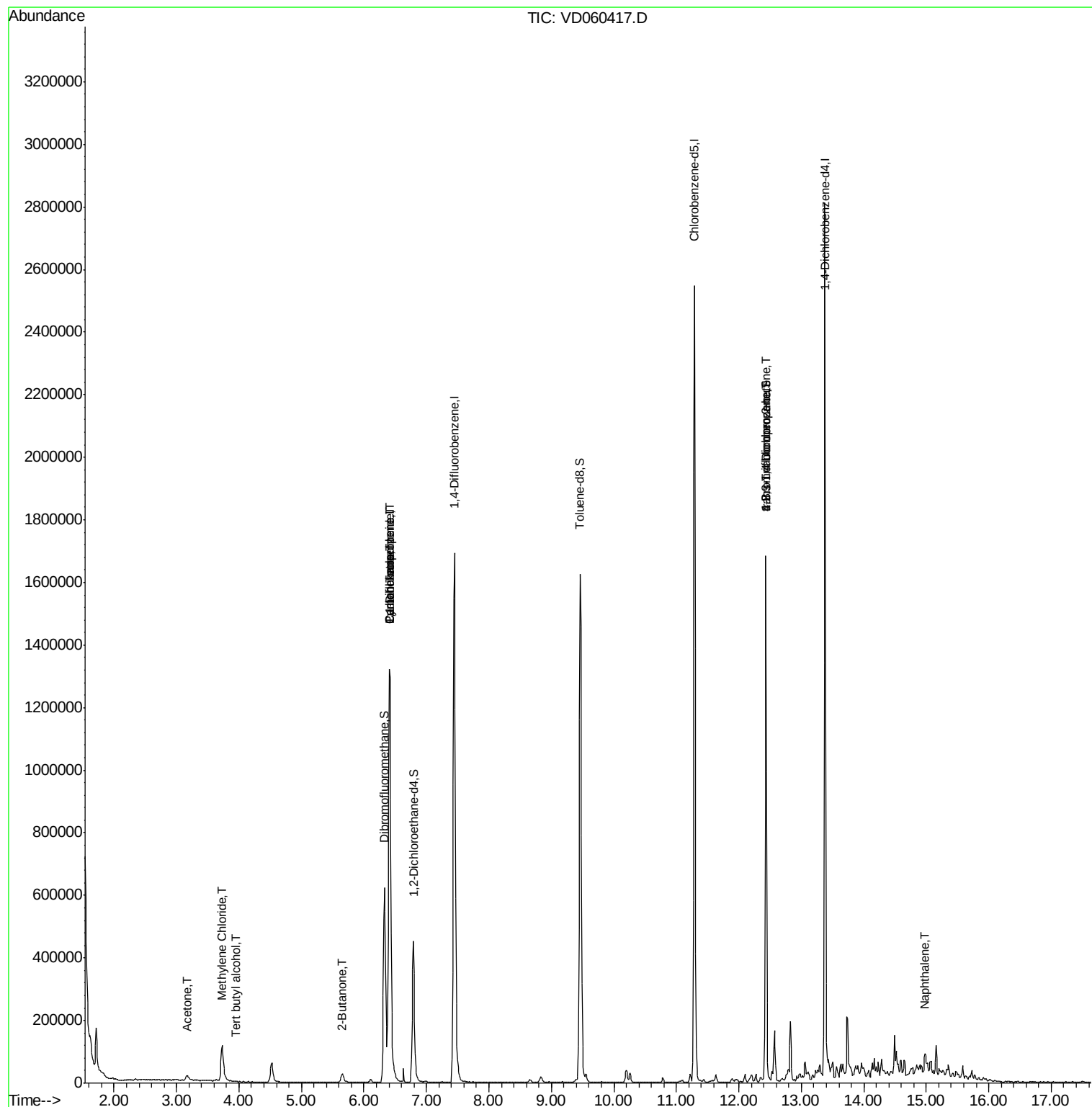
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.62	85	2371	Below Cal	#	41
11) Tert butyl alcohol	3.96	59	644	1.592	ug/l #	70
16) Acetone	3.16	43	34988	20.476	ug/l	99
20) Methylene Chloride	3.73	84	79150	5.222	ug/l	98
25) 2-Butanone	5.63	43	4387	1.235	ug/l #	60
31) Cyclohexane	6.42	56	25371	1.079	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	91546	4.988	ug/l #	47
38) Carbon Tetrachloride	6.41	117	105894	6.220	ug/l #	15
76) 1,2,3-Trichloropropane	12.43	75	131286	17.612	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	190403	89.719	ug/l #	15
89) n-Butylbenzene	13.65	91	5254	Below Cal		87
95) Naphthalene	14.97	128	27270	1.598	ug/l	98

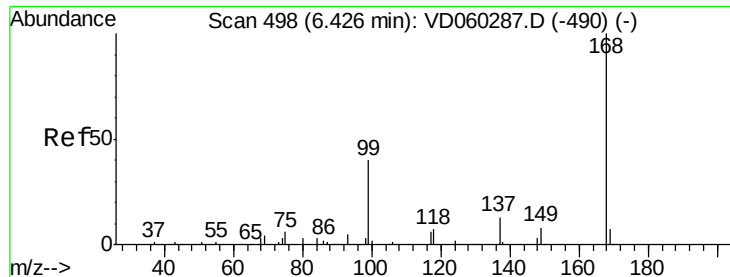
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD060417.D

Acq: 19 Nov 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

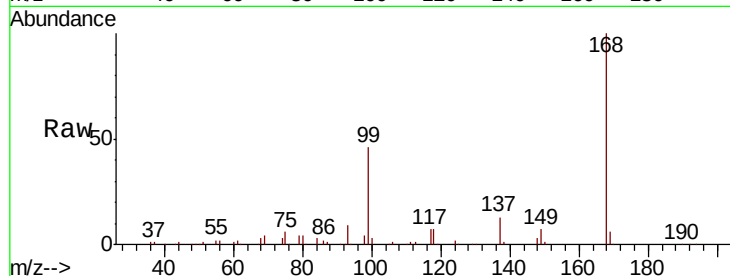
WS-RO-358

Tgt Ion:168 Resp: 1375792

Ion Ratio Lower Upper

168 100

99 45.8 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

500000

400000

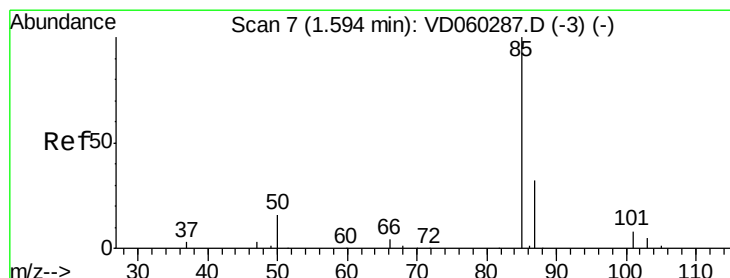
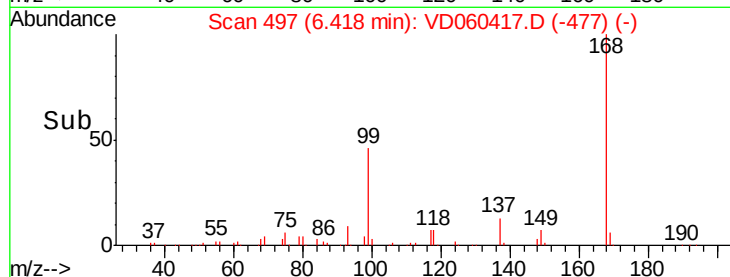
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200000

100000

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Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.62 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060417.D

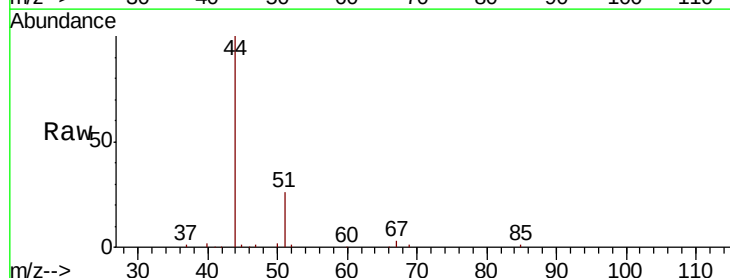
Acq: 19 Nov 2018 15:31

Tgt Ion: 85 Resp: 2371

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

1.62

1200

1000

800

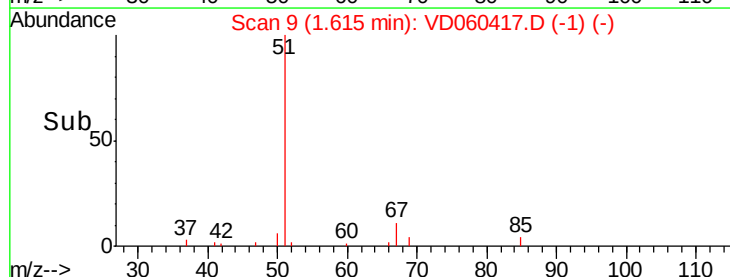
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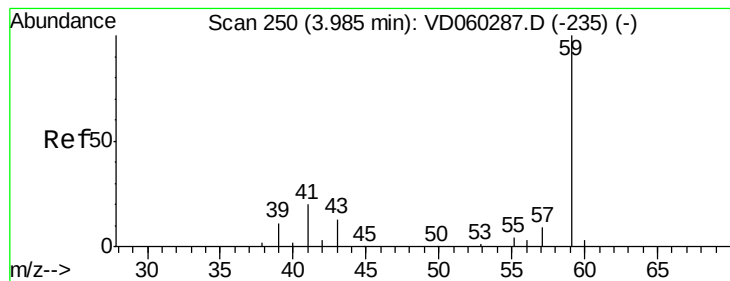
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 1.592 ug/l

RT: 3.96 min Scan# 247

Delta R.T. -0.03 min

Lab File: VD060417.D

Acq: 19 Nov 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

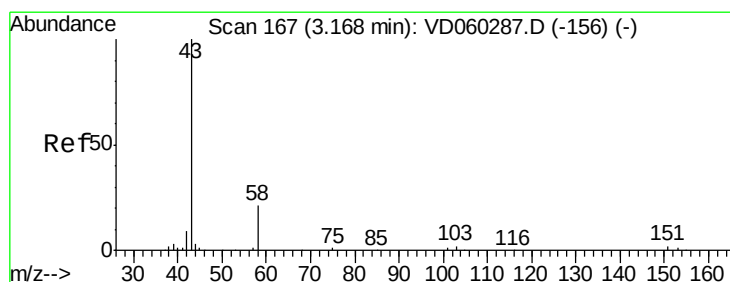
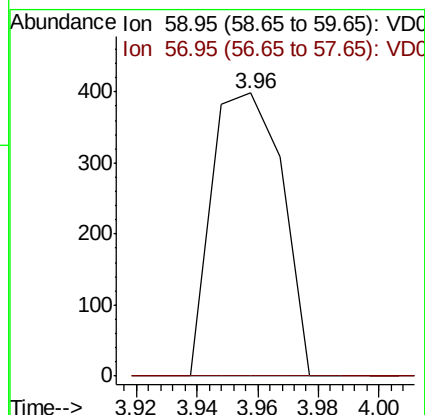
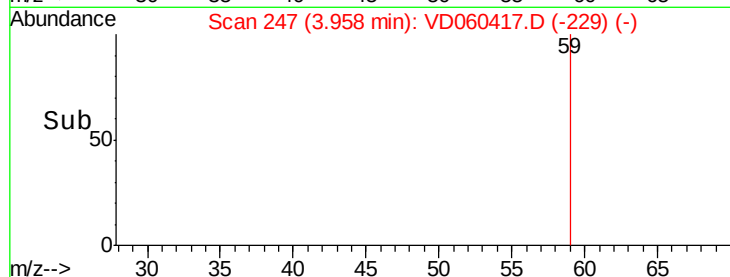
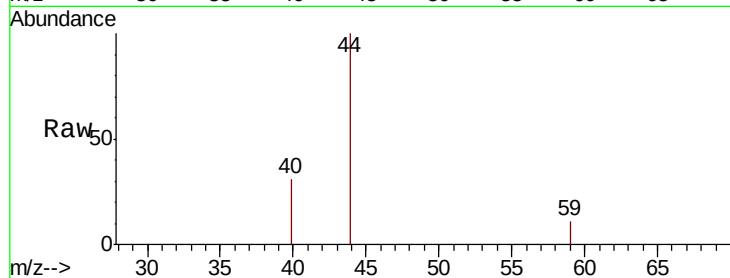
WS-RO-358

Tgt Ion: 59 Resp: 644

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



#16

Acetone

Concen: 20.476 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060417.D

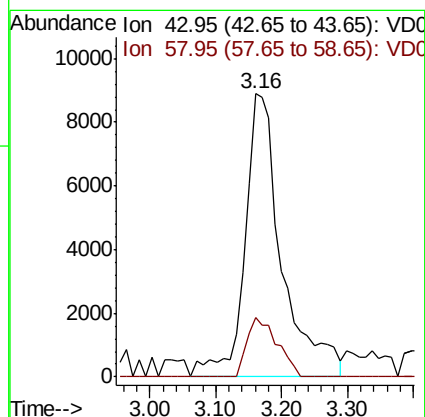
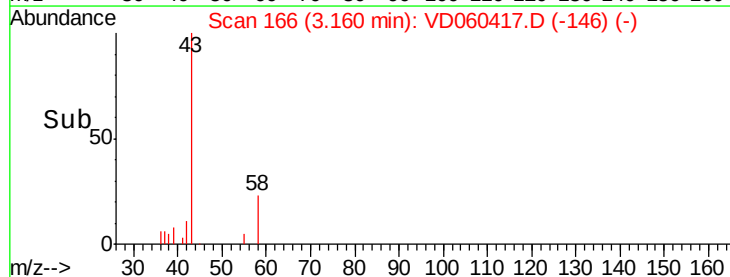
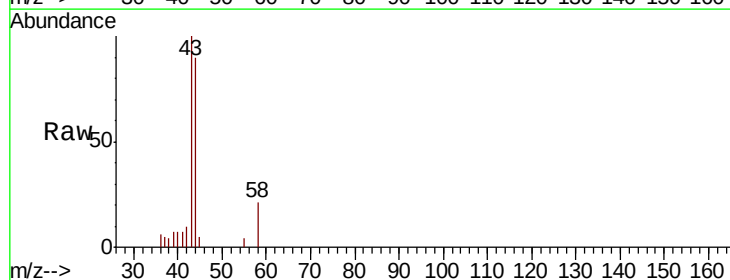
Acq: 19 Nov 2018 15:31

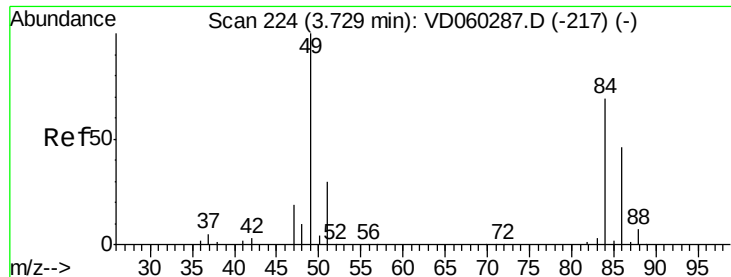
Tgt Ion: 43 Resp: 34988

Ion Ratio Lower Upper

43 100

58 20.8 16.9 25.3

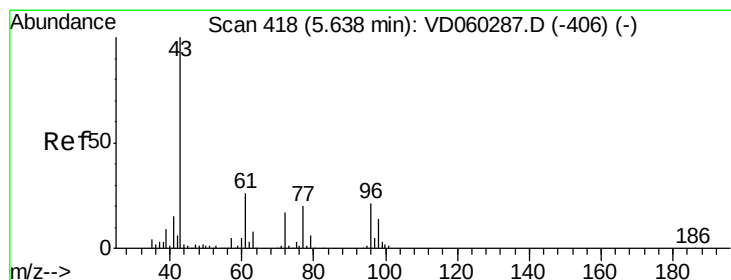
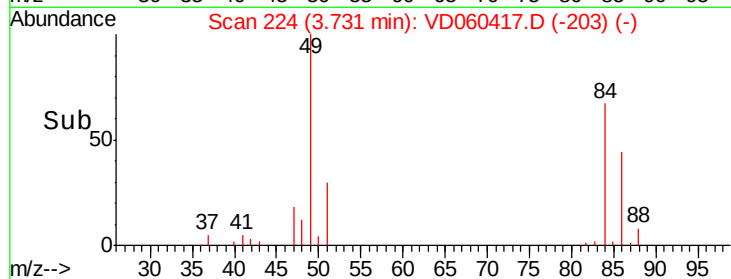
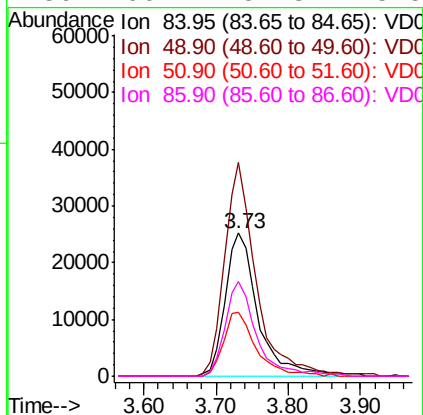
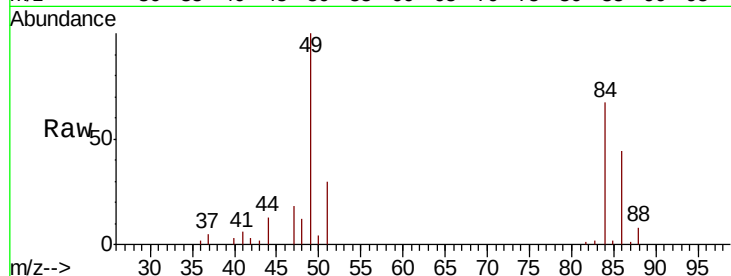




#20
Methylene Chloride
Concen: 5.222 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060417.D
Acq: 19 Nov 2018 15:31

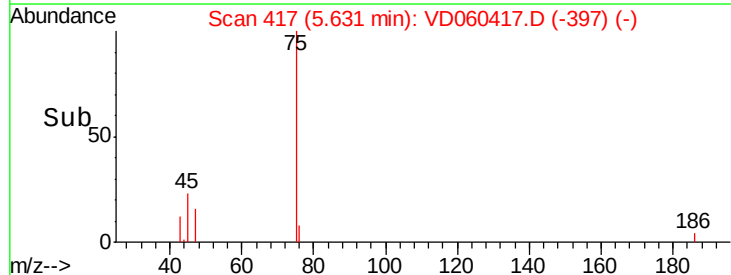
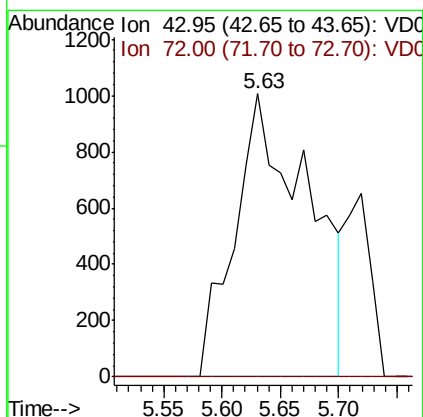
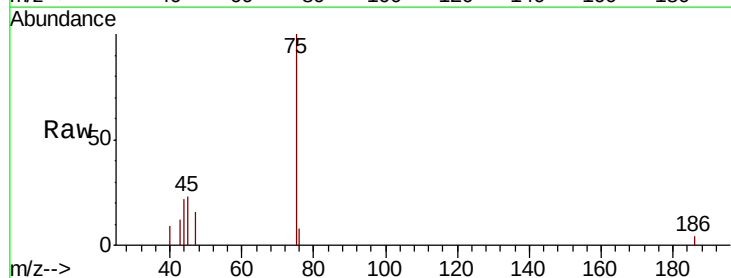
Instrument :
MSVOA_D
ClientSampleId :
WS-RO-358

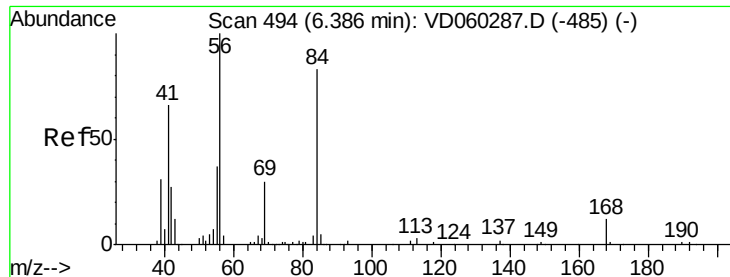
Tgt Ion: 84 Resp: 79150
Ion Ratio Lower Upper
84 100
49 149.4 115.6 173.4
51 44.5 35.6 53.4
86 66.1 52.3 78.5



#25
2-Butanone
Concen: 1.235 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.01 min
Lab File: VD060417.D
Acq: 19 Nov 2018 15:31

Tgt Ion: 43 Resp: 4387
Ion Ratio Lower Upper
43 100
72 0.0 13.8 20.8#

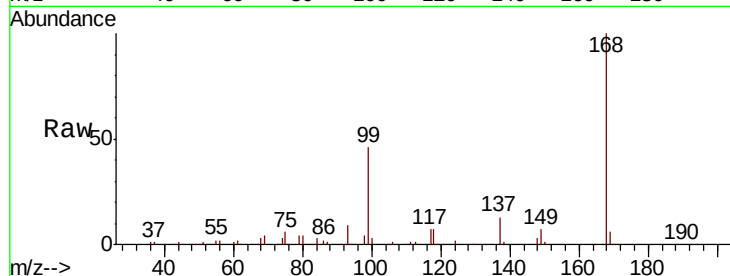




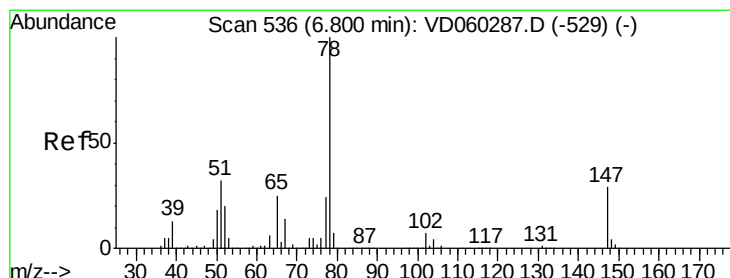
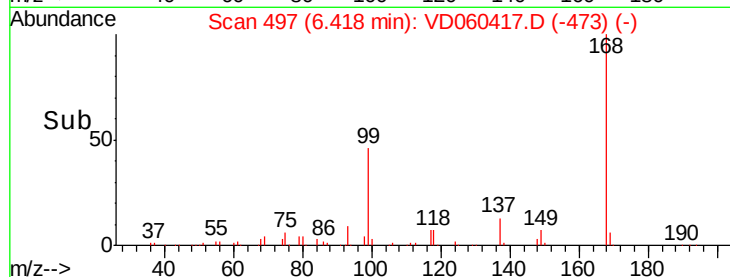
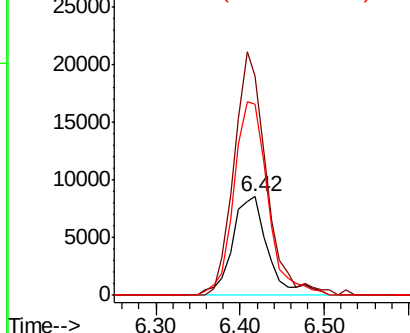
#31
Cyclohexane
Concen: 1.079 ug/l
RT: 6.42 min Scan# 497
Delta R.T. 0.03 min
Lab File: VD060417.D
Acq: 19 Nov 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
WS-RO-358

Tgt Ion: 56 Resp: 25371
Ion Ratio Lower Upper
56 100
69 222.3 22.2 33.2#
84 193.8 63.0 94.4#

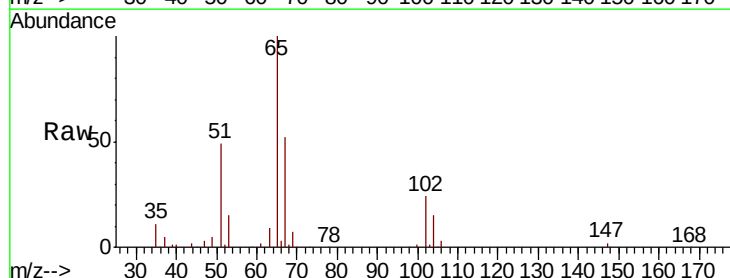


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

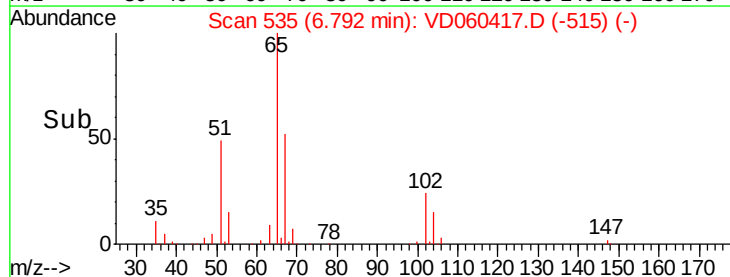
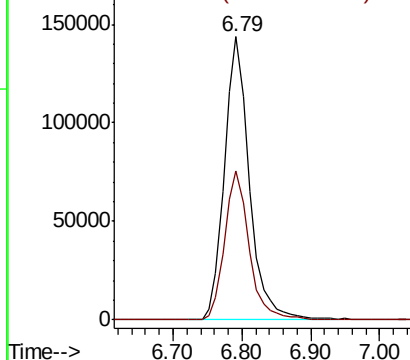


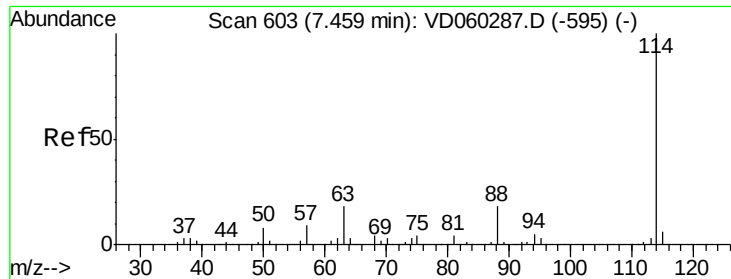
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD060417.D
Acq: 19 Nov 2018 15:31

Tgt Ion: 65 Resp: 360098
Ion Ratio Lower Upper
65 100
67 52.5 0.0 109.8



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

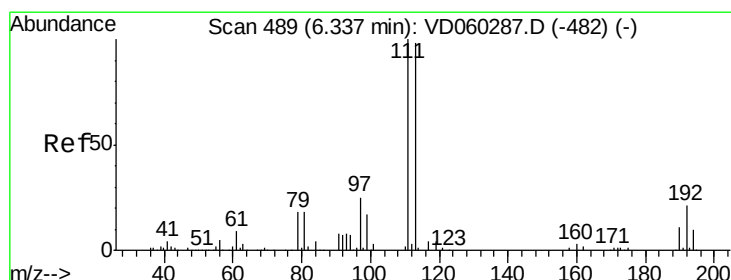
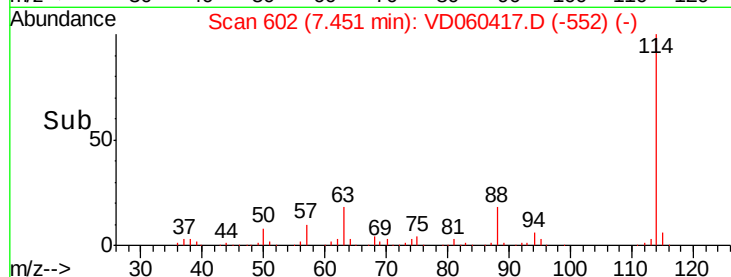
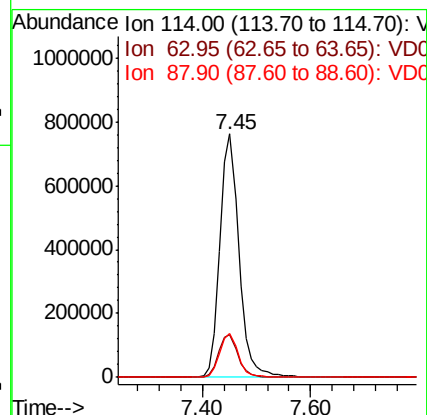
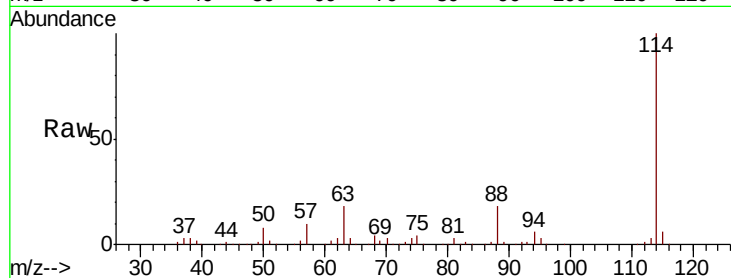




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060417.D
 Acq: 19 Nov 2018 15:31

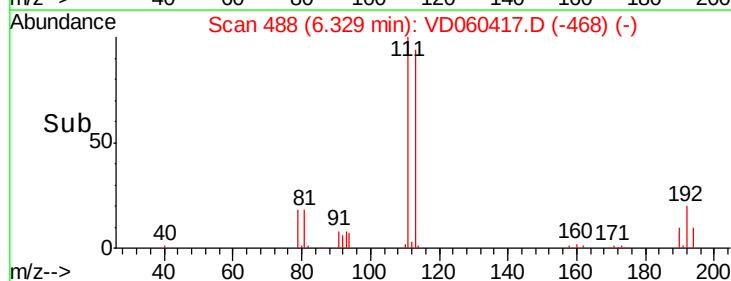
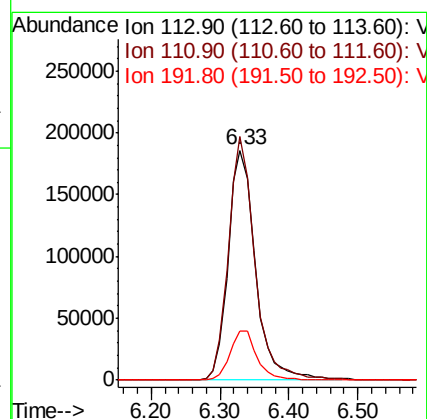
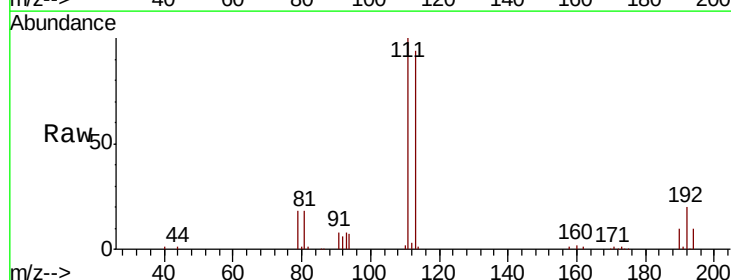
Instrument :
 MSVOA_D
 ClientSampleID :
 WS-RO-358

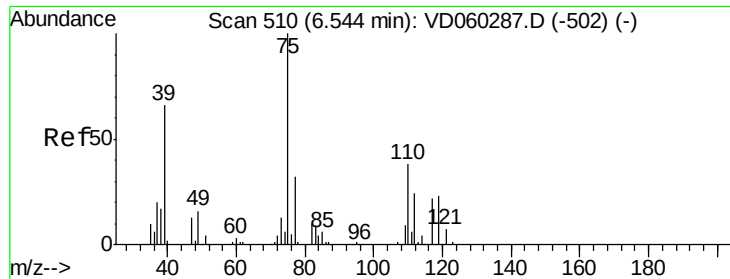
Tgt Ion:114 Resp: 1857559
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 34.0
 88 18.0 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060417.D
 Acq: 19 Nov 2018 15:31

Tgt Ion:113 Resp: 510662
 Ion Ratio Lower Upper
 113 100
 111 105.8 81.6 122.4
 192 21.6 16.5 24.7

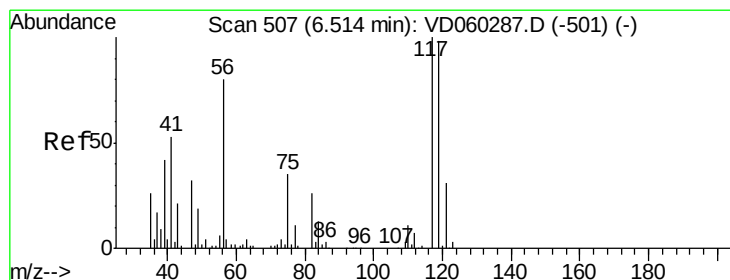
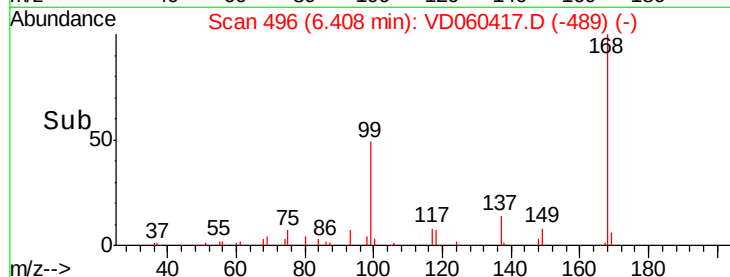
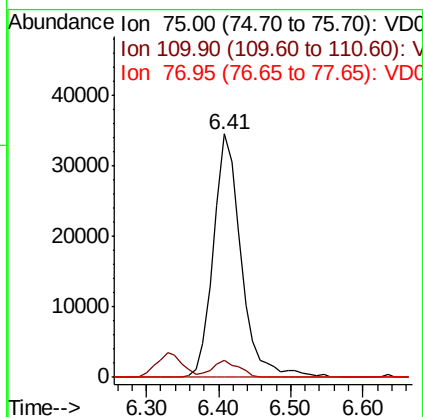
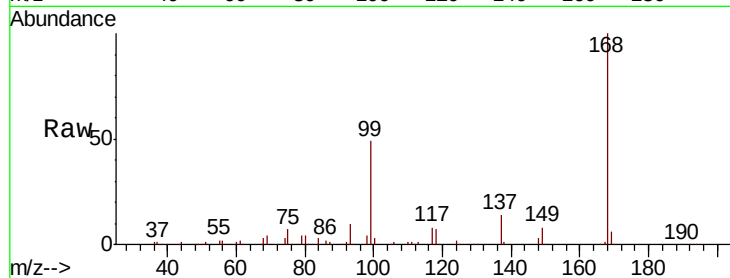




#36
 1,1-Dichloropropene
 Concen: 4.988 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.14 min
 Lab File: VD060417.D
 Acq: 19 Nov 2018 15:31

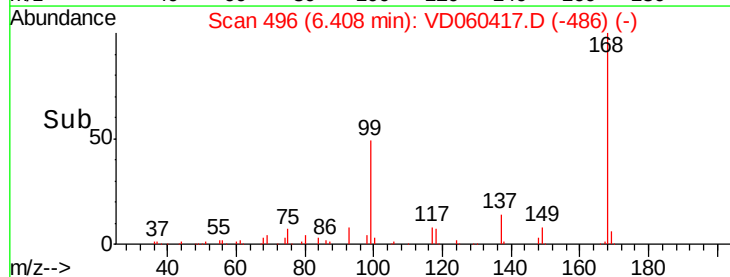
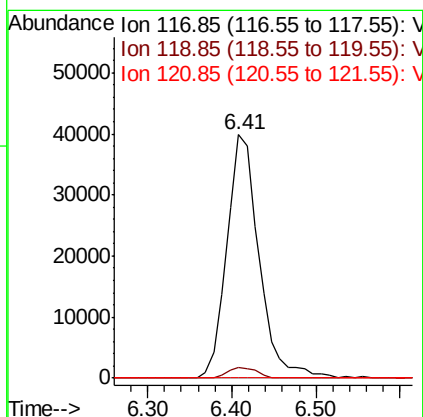
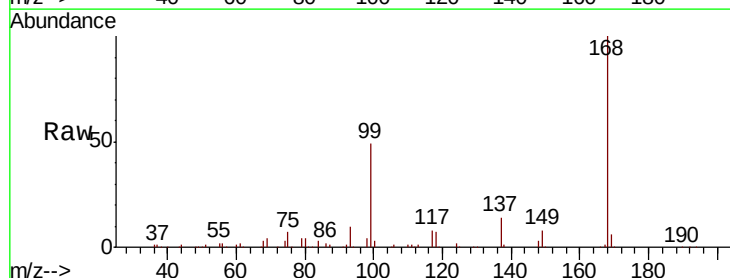
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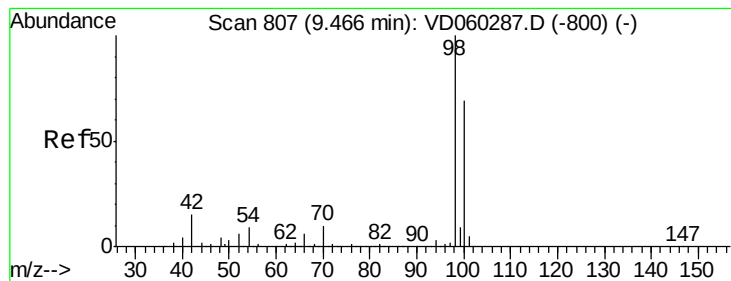
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.2	18.0	54.0#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.220 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.11 min
 Lab File: VD060417.D
 Acq: 19 Nov 2018 15:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.6	115.0#
121	0.0	24.3	36.5#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.46 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060417.D

Acq: 19 Nov 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

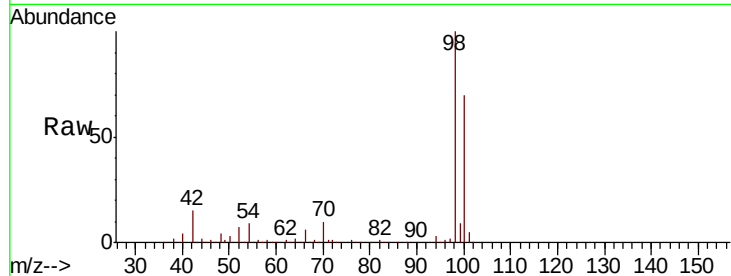
WS-RO-358

Tgt Ion: 98 Resp: 1357718

Ion Ratio Lower Upper

98 100

100 70.2 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

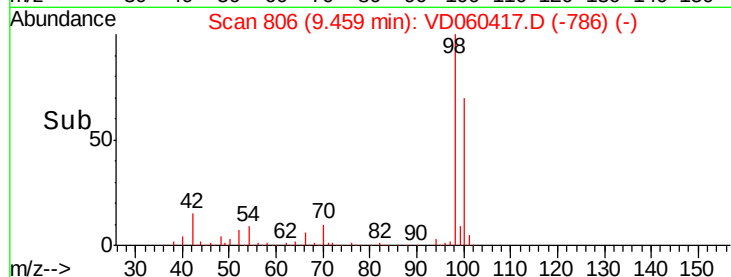
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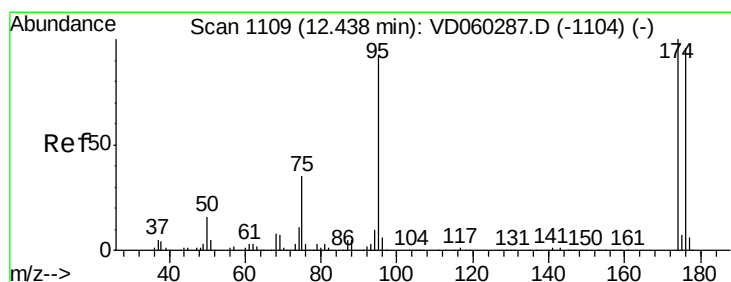
200000

0

9.30 9.40 9.50 9.60



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060417.D

Acq: 19 Nov 2018 15:31

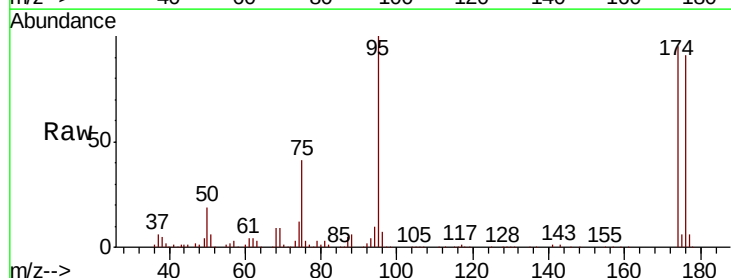
Tgt Ion: 95 Resp: 467461

Ion Ratio Lower Upper

95 100

174 94.5 0.0 160.8

176 90.6 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

400000

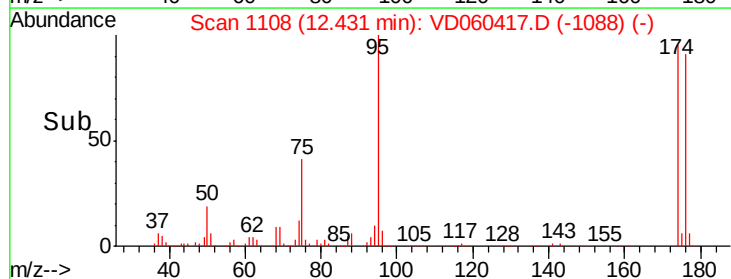
300000

200000

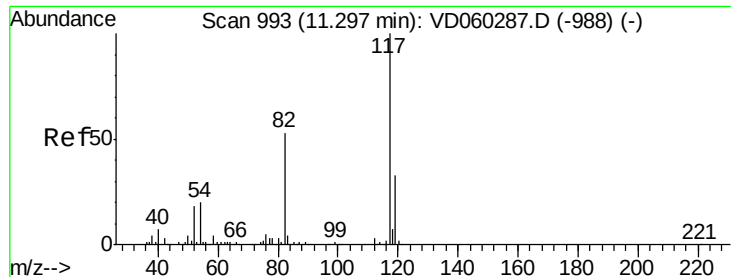
100000

0

12.40 12.50



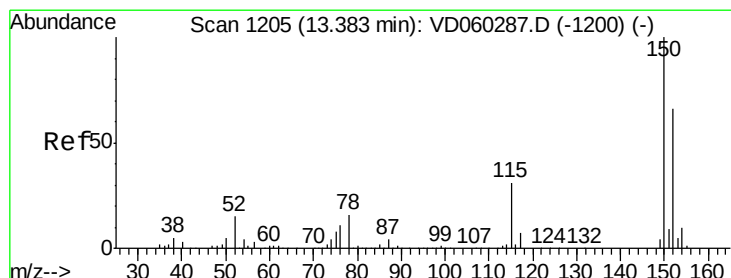
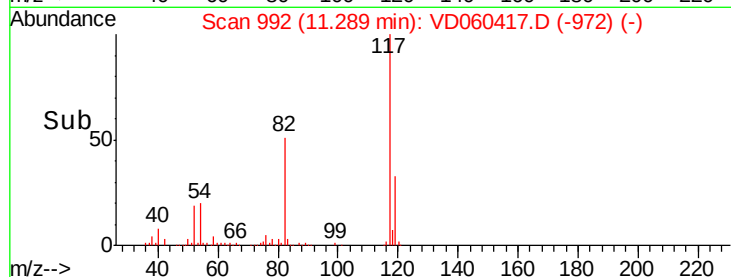
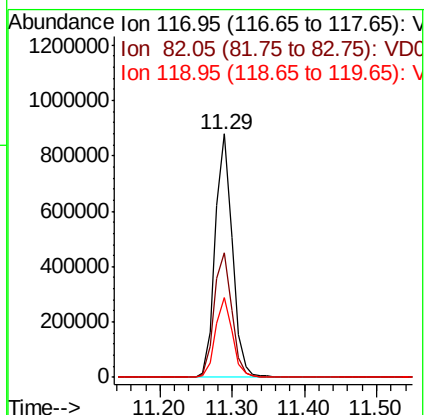
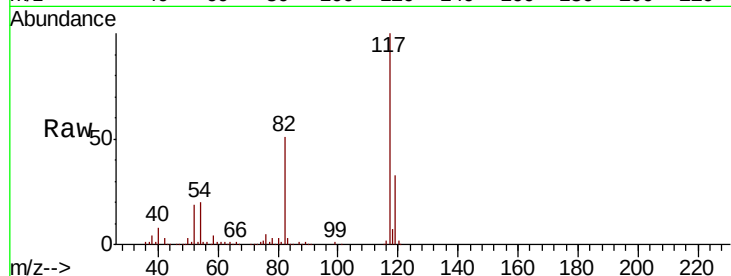
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060417.D
Acq: 19 Nov 2018 15:31

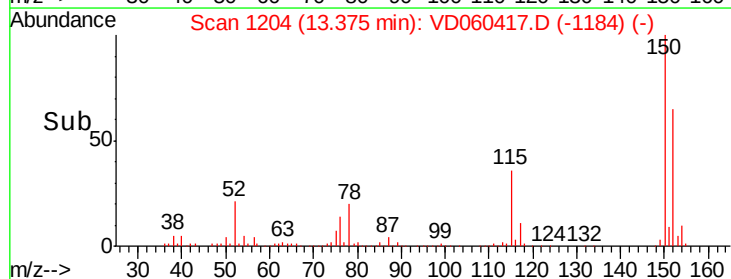
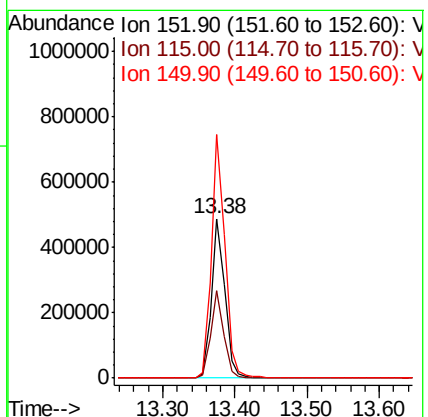
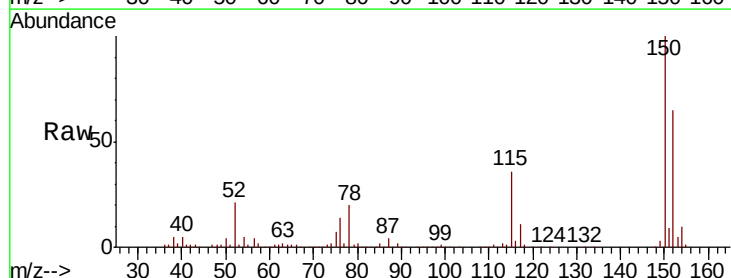
Instrument :
MSVOA_D
ClientSampleId :
WS-RO-358

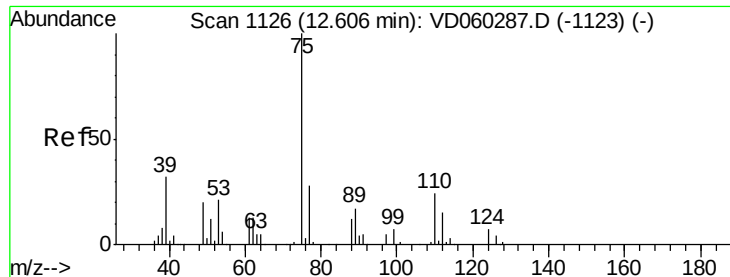
Tgt Ion:117 Resp: 1424377
Ion Ratio Lower Upper
117 100
82 51.3 43.7 65.5
119 32.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060417.D
Acq: 19 Nov 2018 15:31

Tgt Ion:152 Resp: 623142
Ion Ratio Lower Upper
152 100
115 54.5 24.1 72.3
150 152.7 0.0 310.6

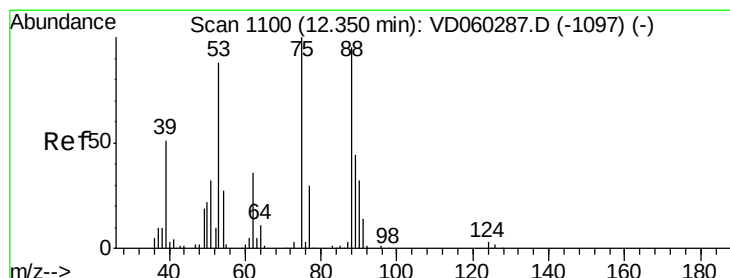
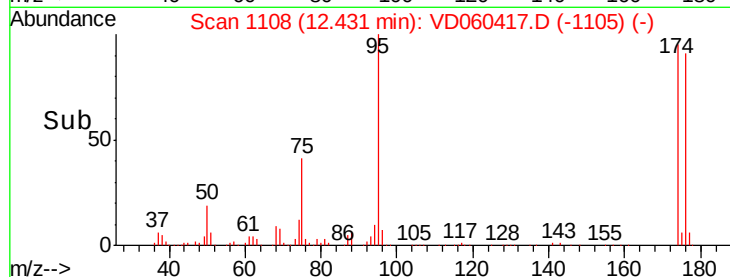
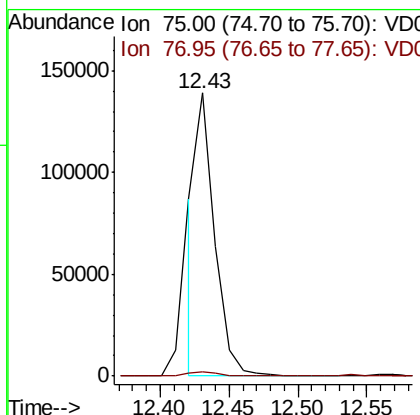
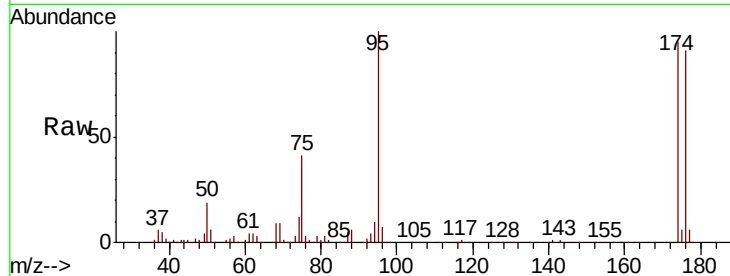




#76
 1,2,3-Trichloropropane
 Concen: 17.612 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.18 min
 Lab File: VD060417.D
 Acq: 19 Nov 2018 15:31

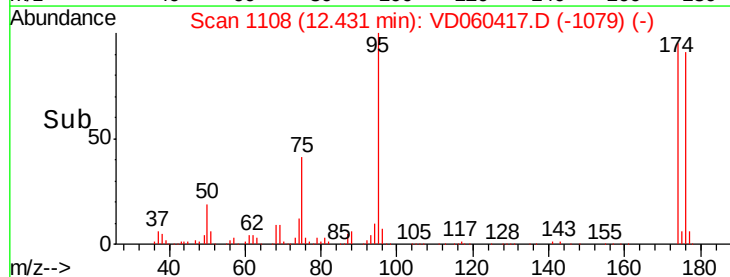
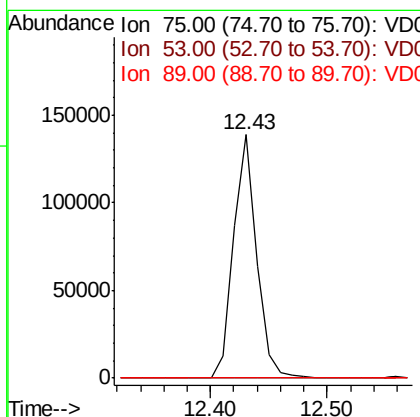
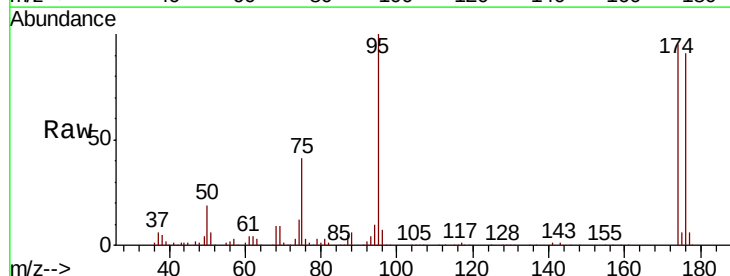
Instrument :
 MSVOA_D
 ClientSampleId :
 WS-RO-358

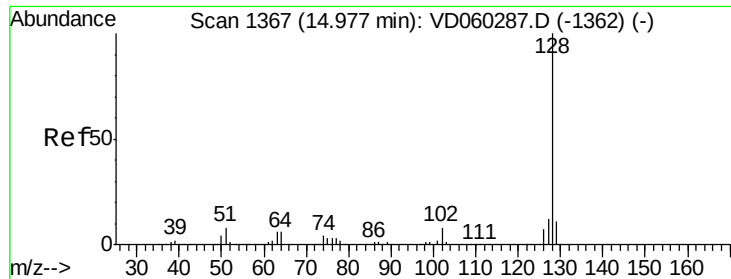
Tgt Ion: 75 Resp: 131286
 Ion Ratio Lower Upper
 75 100
 77 1.5 16.4 49.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.719 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.08 min
 Lab File: VD060417.D
 Acq: 19 Nov 2018 15:31

Tgt Ion: 75 Resp: 190403
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 103.0#
 89 0.0 34.1 51.1#





#95
Naphthalene
Concen: 1.598 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060417.D
Acq: 19 Nov 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
WS-RO-358

Tgt Ion:128 Resp: 27270
Ion Ratio Lower Upper
128 100
127 11.5 9.6 14.4
129 9.5 8.6 12.8

