

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111218\
 Data File : VD060348.D
 Acq On : 12 Nov 2018 20:15
 Operator : JC/SY
 Sample : J5908-11
 Misc : 5.62g/5ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SR-4-S

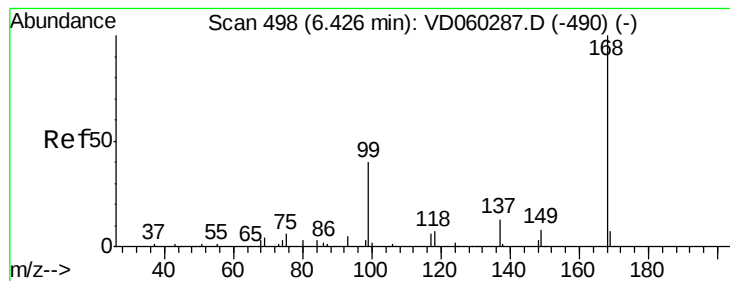
Quant Time: Nov 13 00:42:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	467754	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	810257	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.27	117	634340	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.37	152	222878	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	320316	95.64	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	191.28%	
35) Dibromofluoromethane	6.30	113	326189	53.99	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	107.98%	
50) Toluene-d8	9.44	98	705614	39.90	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	79.80%	
62) 4-Bromofluorobenzene	12.41	95	233643	36.46	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	72.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.81	74	3880	5.023	ug/l	96
16) Acetone	3.14	43	21236	36.554	ug/l	94
18) Methyl Acetate	3.53	43	2483	2.004	ug/l #	63
20) Methylene Chloride	3.70	84	71360	13.847	ug/l	98
29) Tetrahydrofuran	5.93	42	2486	3.905	ug/l #	50
31) Cyclohexane	6.38	56	9448	1.182	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	33565	4.193	ug/l #	46
38) Carbon Tetrachloride	6.38	117	33637	4.530	ug/l #	16
40) Benzene	6.77	78	22265	1.090	ug/l	97
51) 4-Methyl-2-Pentanone	9.44	43	4650	1.544	ug/l #	1
52) Toluene	9.53	92	71572	5.483	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.41	75	100774	132.764	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD060348.D

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ClientSampleId :

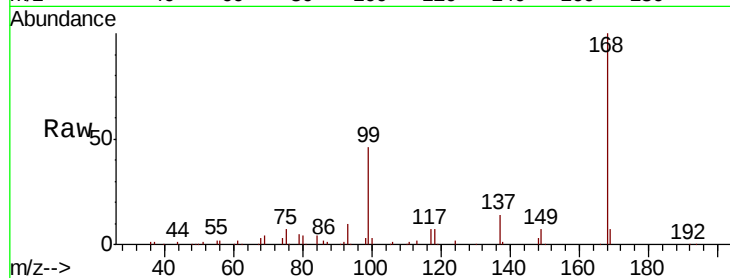
SR-4-S

Tgt Ion:168 Resp: 467754

Ion Ratio Lower Upper

168 100

99 46.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

200000

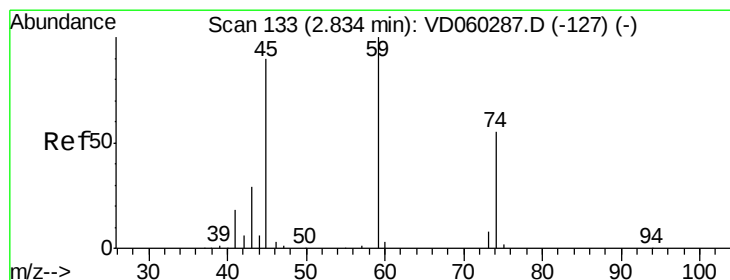
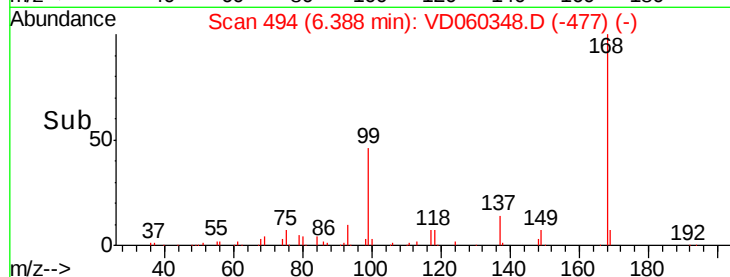
150000

100000

50000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#8

Diethyl Ether

Concen: 5.023 ug/l

RT: 2.81 min Scan# 130

Delta R.T. -0.03 min

Lab File: VD060348.D

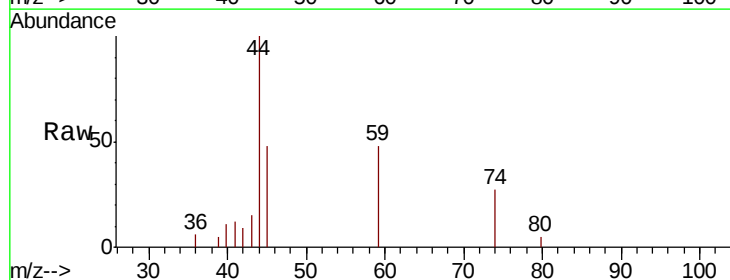
Acq: 12 Nov 2018 20:15

Tgt Ion: 74 Resp: 3880

Ion Ratio Lower Upper

74 100

45 175.5 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

4000

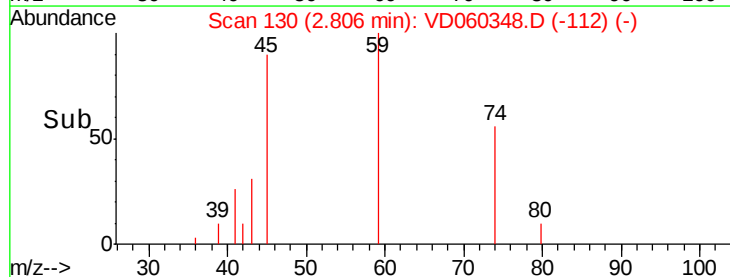
3000

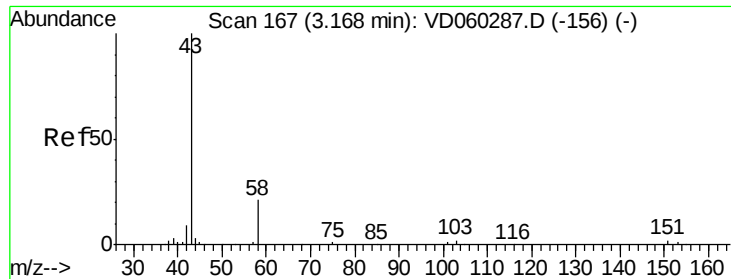
2000

1000

0

Time--> 2.75 2.80 2.85





#16

Acetone

Concen: 36.554 ug/l

RT: 3.14 min Scan# 164

Delta R.T. -0.03 min

Lab File: VD060348.D

Acq: 12 Nov 2018 20:15

Instrument :

MSVOA_D

ClientSampleId :

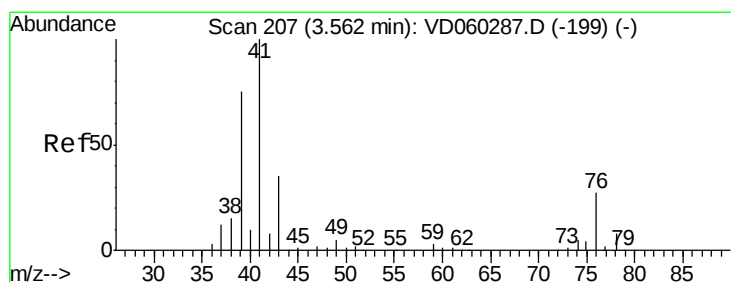
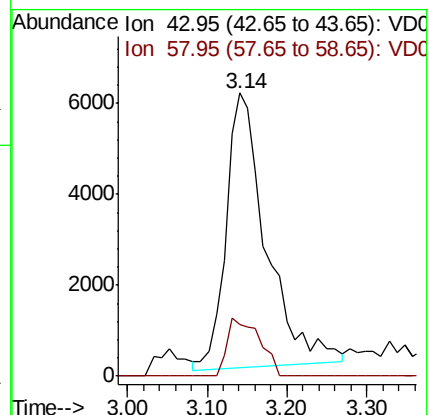
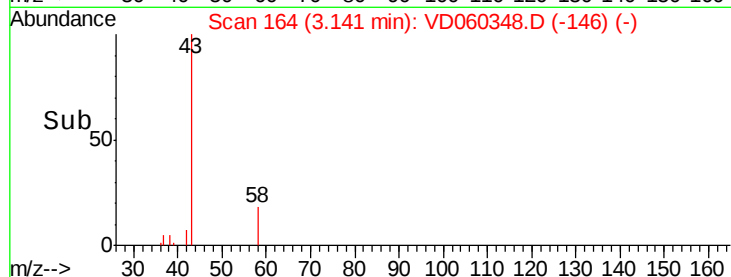
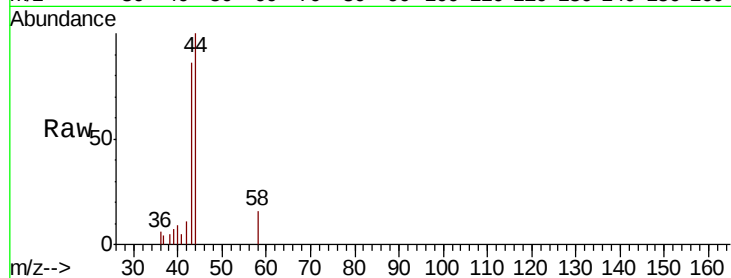
SR-4-S

Tgt Ion: 43 Resp: 21236

Ion Ratio Lower Upper

43 100

58 18.4 16.9 25.3



#18

Methyl Acetate

Concen: 2.004 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.03 min

Lab File: VD060348.D

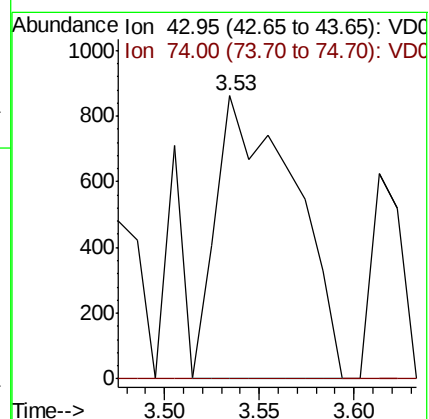
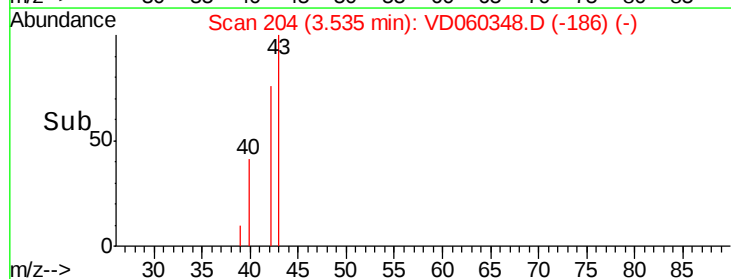
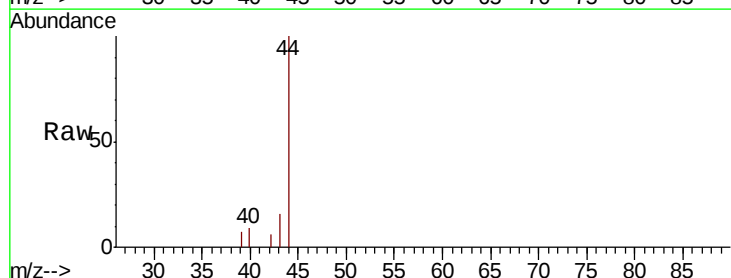
Acq: 12 Nov 2018 20:15

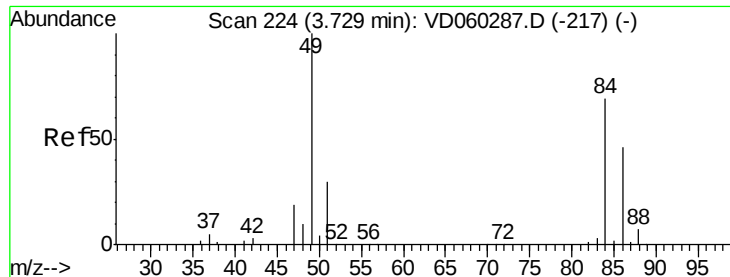
Tgt Ion: 43 Resp: 2483

Ion Ratio Lower Upper

43 100

74 0.0 12.4 18.6#

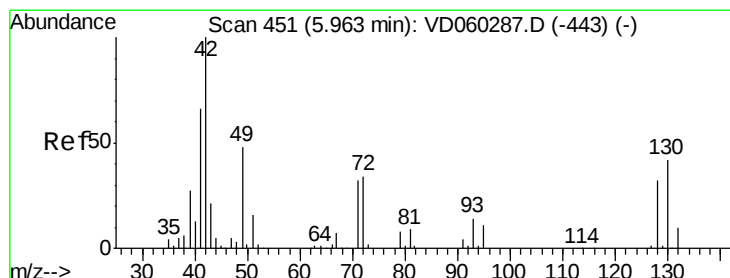
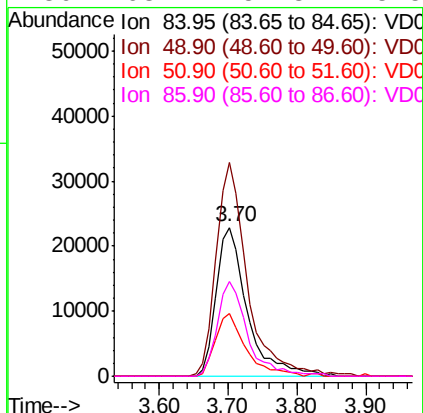
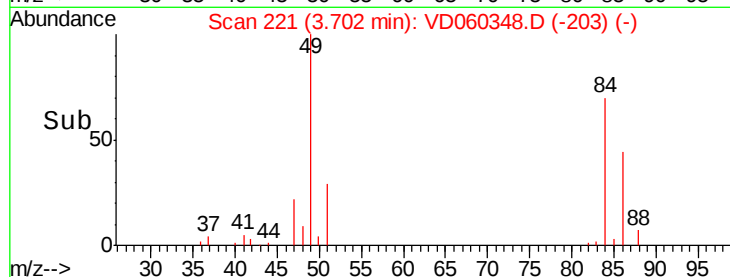
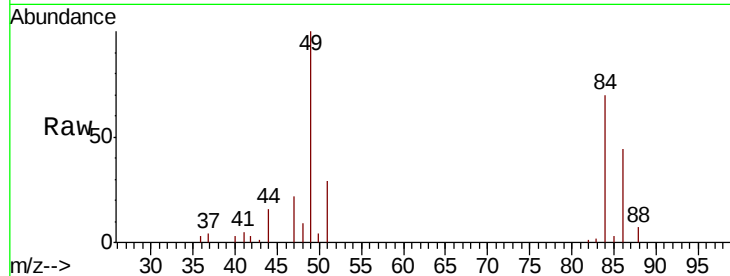




#20
Methylene Chloride
Concen: 13.847 ug/l
RT: 3.70 min Scan# 221
Delta R.T. -0.03 min
Lab File: VD060348.D
Acq: 12 Nov 2018 20:15

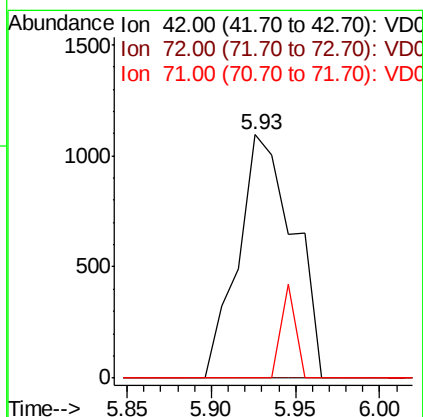
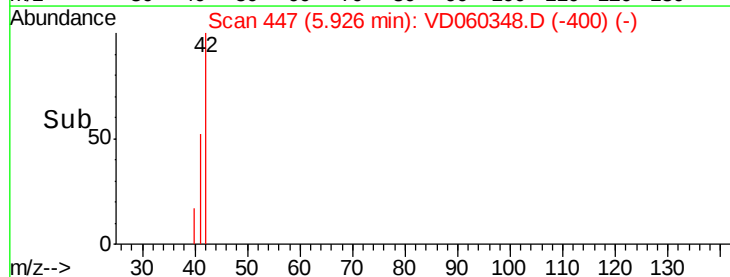
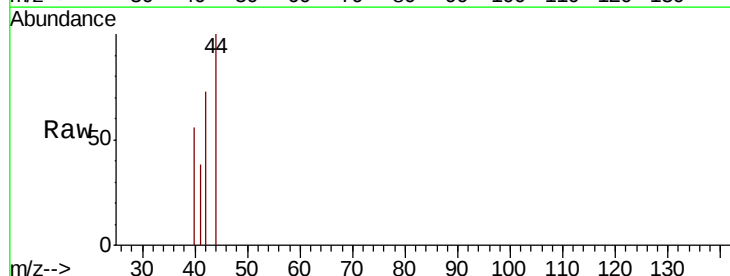
Instrument :
MSVOA_D
ClientSampleId :
SR-4-S

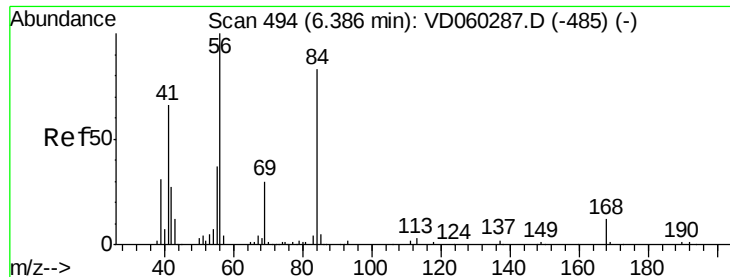
Tgt Ion: 84 Resp: 71360
Ion Ratio Lower Upper
84 100
49 143.8 115.6 173.4
51 42.0 35.6 53.4
86 63.7 52.3 78.5



#29
Tetrahydrofuran
Concen: 3.905 ug/l
RT: 5.93 min Scan# 447
Delta R.T. -0.04 min
Lab File: VD060348.D
Acq: 12 Nov 2018 20:15

Tgt Ion: 42 Resp: 2486
Ion Ratio Lower Upper
42 100
72 0.0 27.6 41.4#
71 10.1 26.5 39.7#

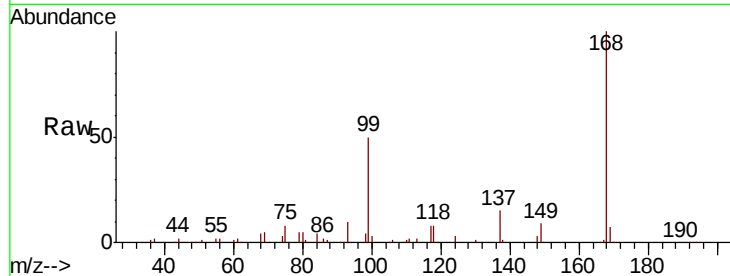




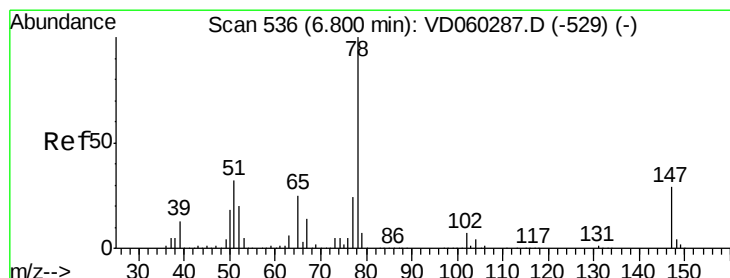
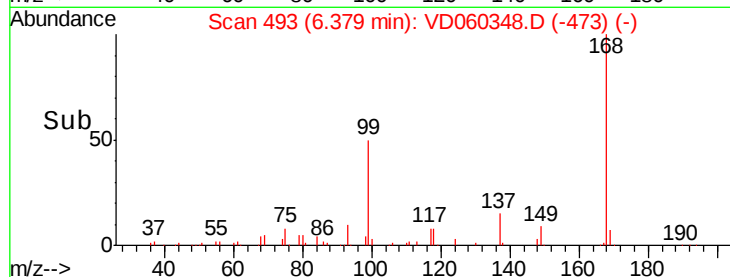
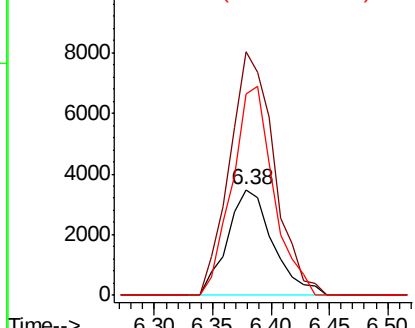
#31
Cyclohexane
Concen: 1.182 ug/l
RT: 6.38 min Scan# 493
Delta R.T. -0.01 min
Lab File: VD060348.D
Acq: 12 Nov 2018 20:15

Instrument :
MSVOA_D
ClientSampleId :
SR-4-S

Tgt Ion: 56 Resp: 9448
Ion Ratio Lower Upper
56 100
69 229.7 22.2 33.2#
84 190.3 63.0 94.4#

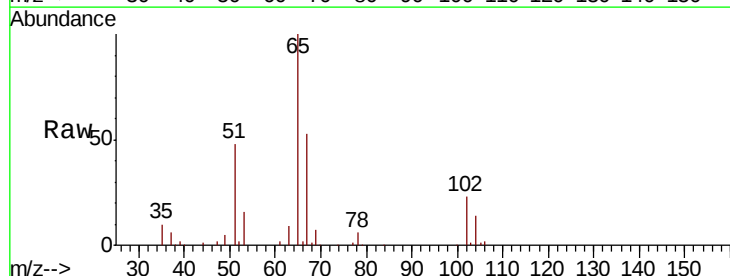


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

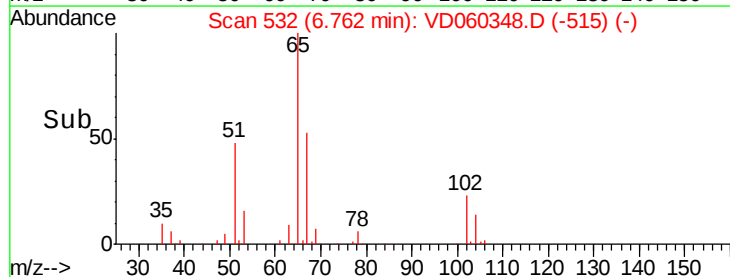
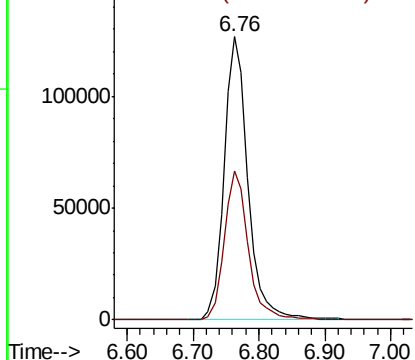


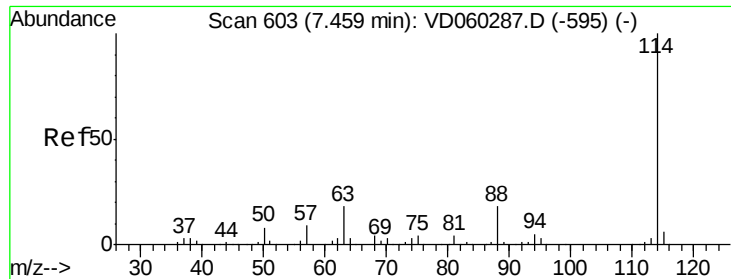
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.04 min
Lab File: VD060348.D
Acq: 12 Nov 2018 20:15

Tgt Ion: 65 Resp: 320316
Ion Ratio Lower Upper
65 100
67 52.7 0.0 109.8



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

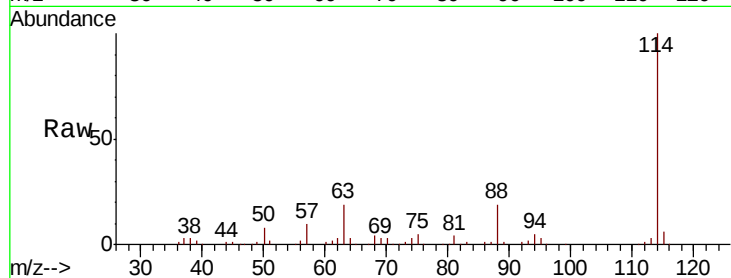




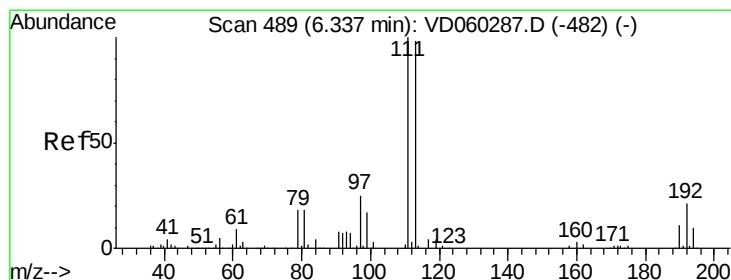
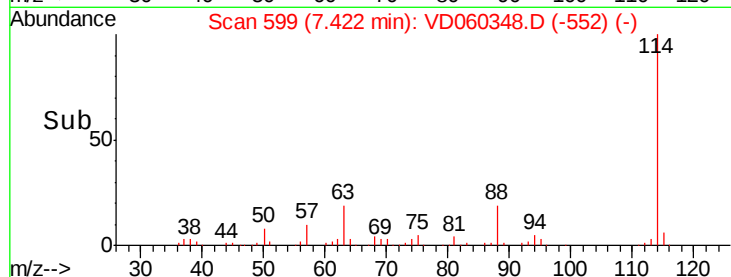
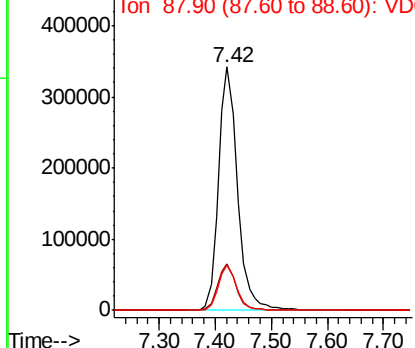
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.04 min
 Lab File: VD060348.D
 Acq: 12 Nov 2018 20:15

Instrument :
 MSVOA_D
 ClientSampleId :
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Tgt Ion:114 Resp: 810257
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 34.0
 88 18.7 0.0 35.4

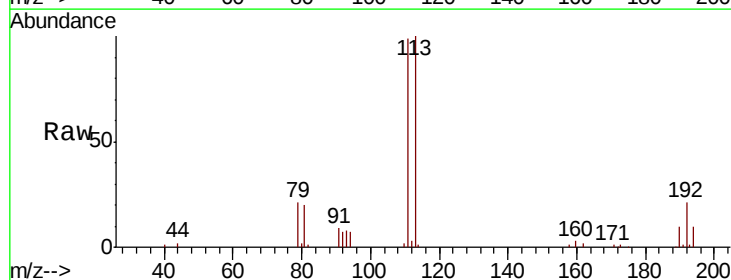


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

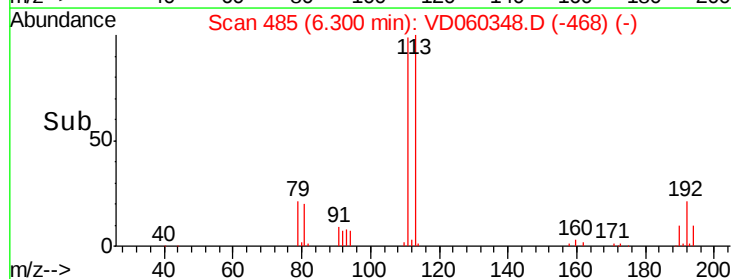
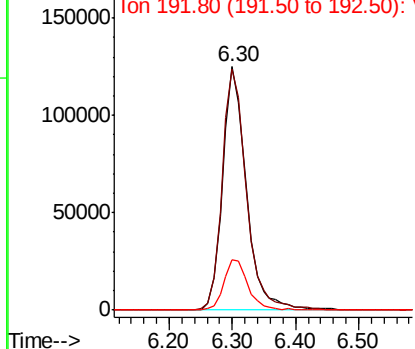


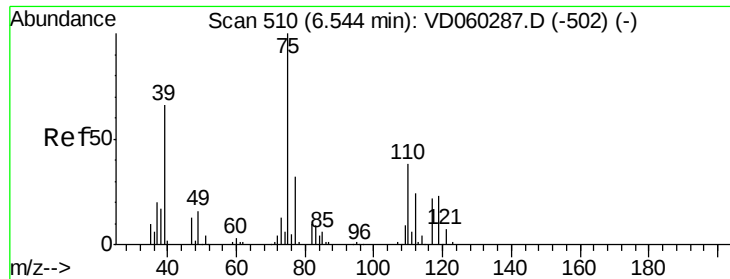
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.04 min
 Lab File: VD060348.D
 Acq: 12 Nov 2018 20:15

Tgt Ion:113 Resp: 326189
 Ion Ratio Lower Upper
 113 100
 111 98.9 81.6 122.4
 192 20.5 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

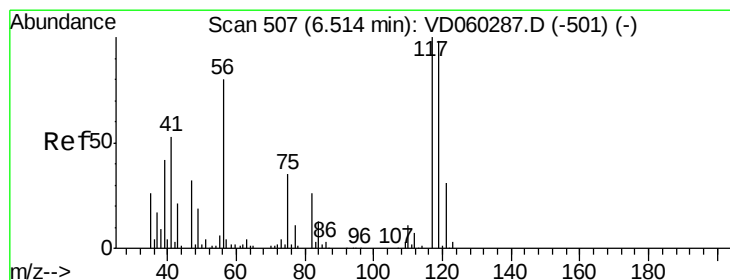
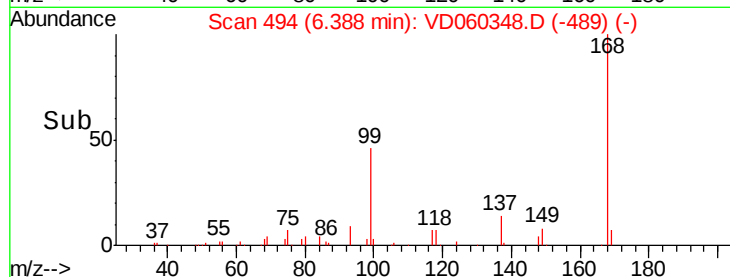
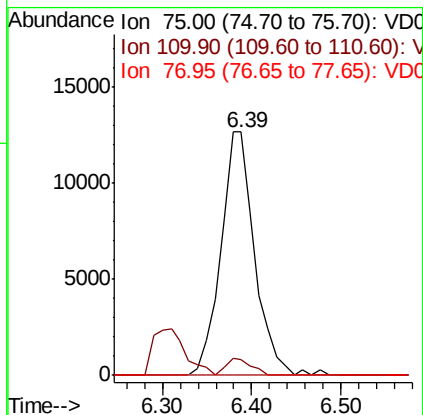
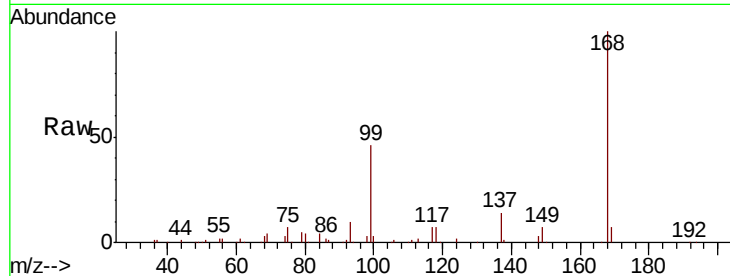




#36
 1,1-Dichloropropene
 Concen: 4.193 ug/l
 RT: 6.39 min Scan# 494
 Delta R.T. -0.16 min
 Lab File: VD060348.D
 Acq: 12 Nov 2018 20:15

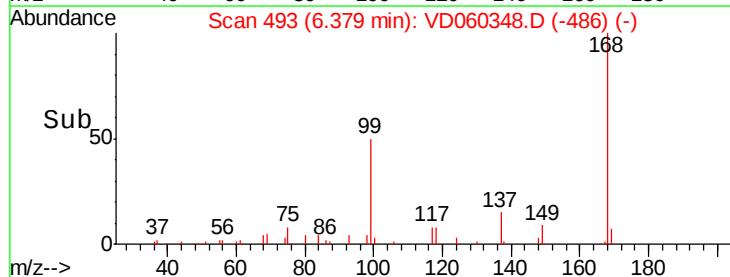
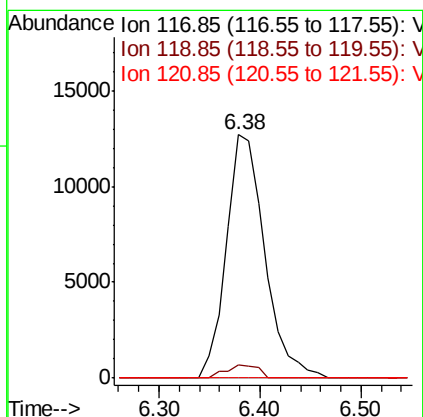
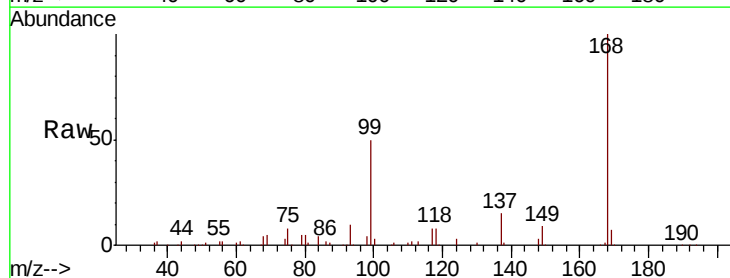
Instrument :
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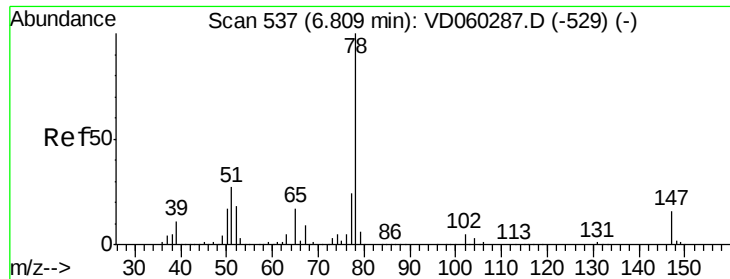
Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.2	18.0	54.0#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 4.530 ug/l
 RT: 6.38 min Scan# 493
 Delta R.T. -0.14 min
 Lab File: VD060348.D
 Acq: 12 Nov 2018 20:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.6	115.0#
121	0.0	24.3	36.5#

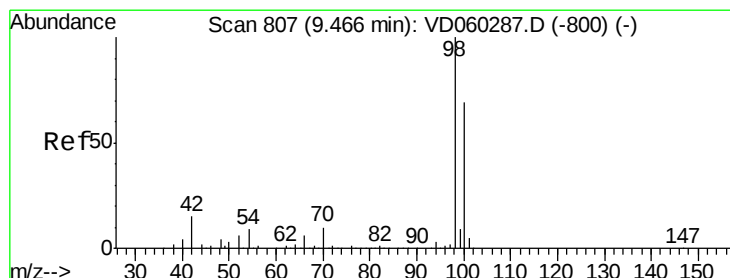
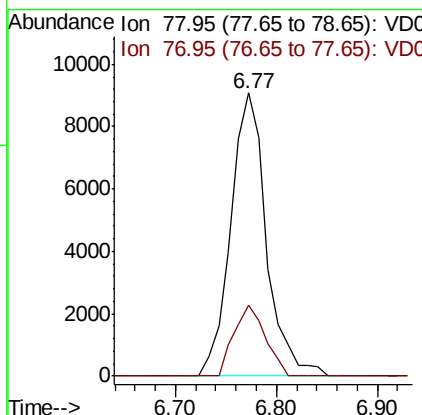
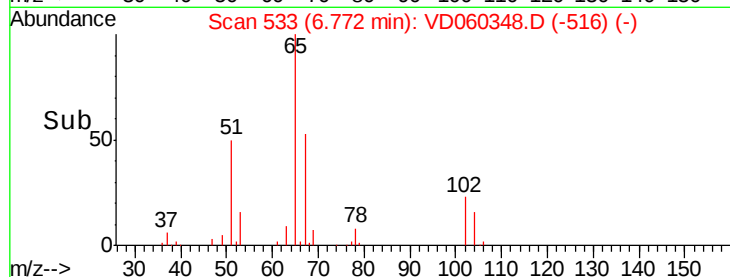
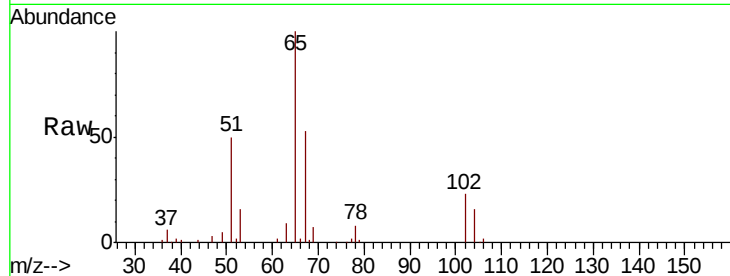




#40
Benzene
Concen: 1.090 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.04 min
Lab File: VD060348.D
Acq: 12 Nov 2018 20:15

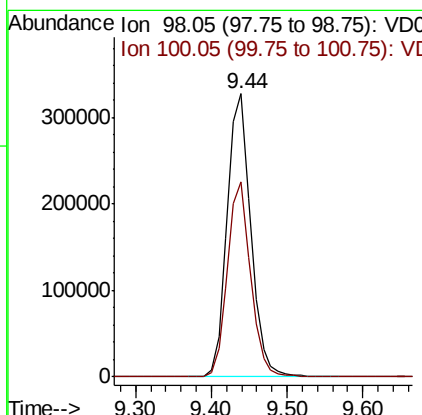
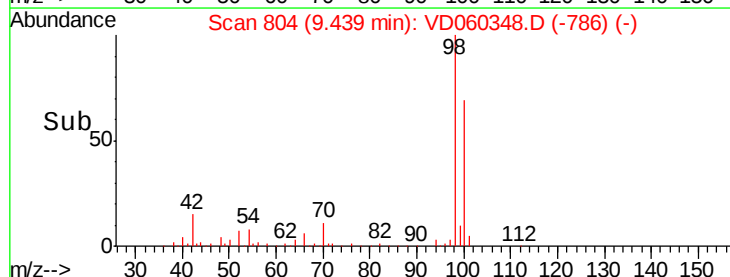
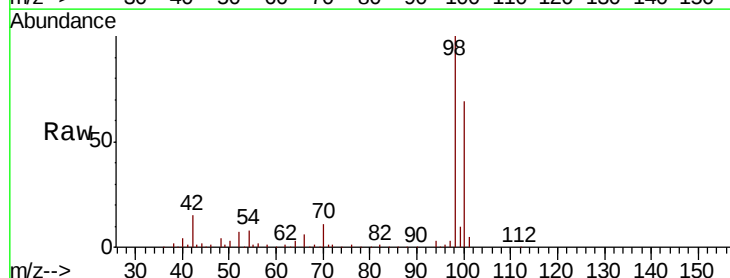
Instrument :
MSVOA_D
ClientSampleId :
SR-4-S

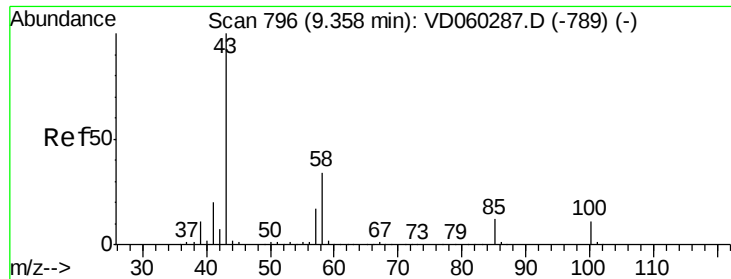
Tgt Ion: 78 Resp: 22265
Ion Ratio Lower Upper
78 100
77 25.2 18.8 28.2



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.03 min
Lab File: VD060348.D
Acq: 12 Nov 2018 20:15

Tgt Ion: 98 Resp: 705614
Ion Ratio Lower Upper
98 100
100 68.8 55.2 82.8





#51

4-Methyl-2-Pentanone

Concen: 1.544 ug/l

RT: 9.44 min Scan# 804

Delta R.T. 0.08 min

Lab File: VD060348.D

Acq: 12 Nov 2018 20:15

Instrument :

MSVOA_D

ClientSampleId :

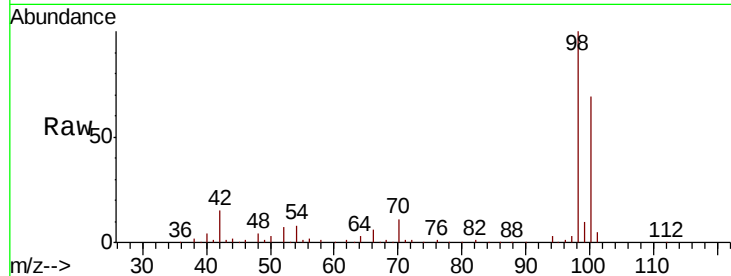
SR-4-S

Tgt Ion: 43 Resp: 4650

Ion Ratio Lower Upper

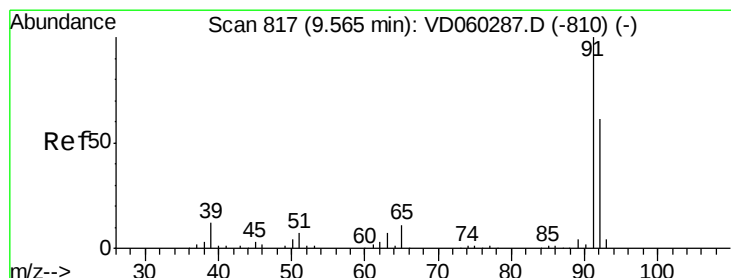
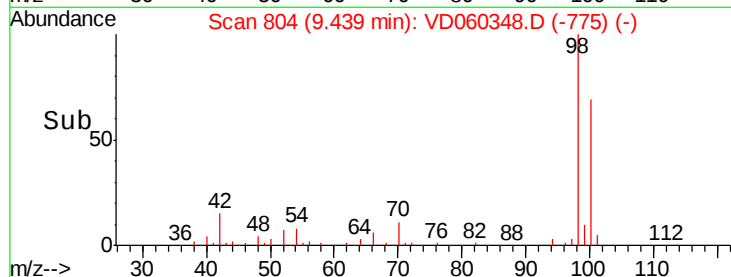
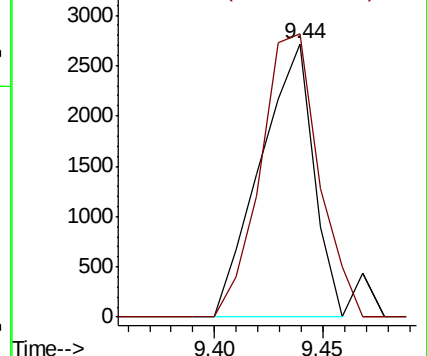
43 100

58 103.5 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 5.483 ug/l

RT: 9.53 min Scan# 813

Delta R.T. -0.04 min

Lab File: VD060348.D

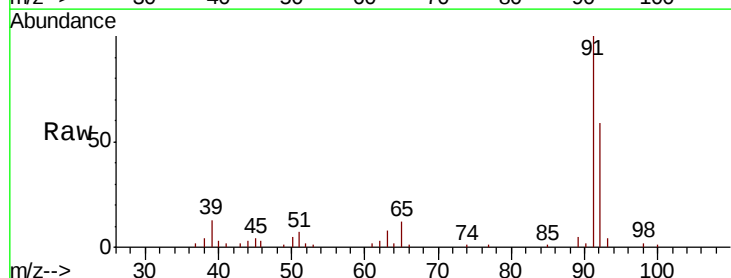
Acq: 12 Nov 2018 20:15

Tgt Ion: 92 Resp: 71572

Ion Ratio Lower Upper

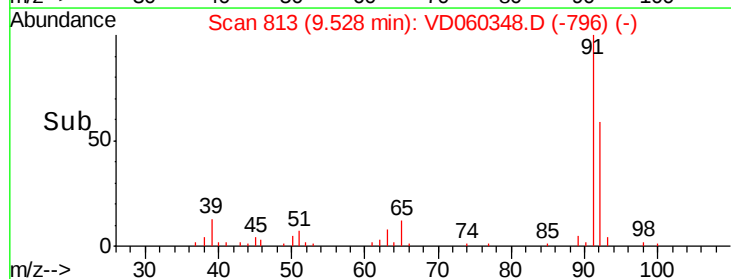
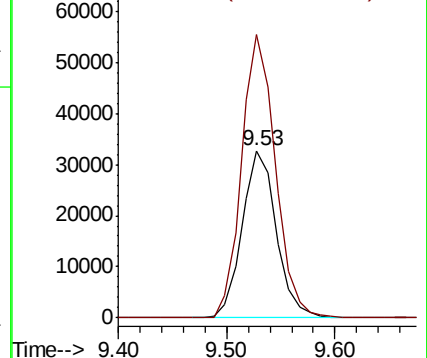
92 100

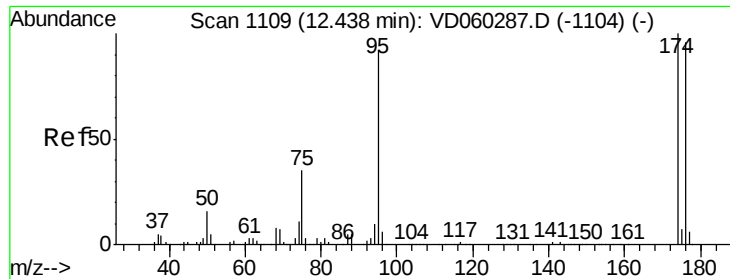
91 169.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

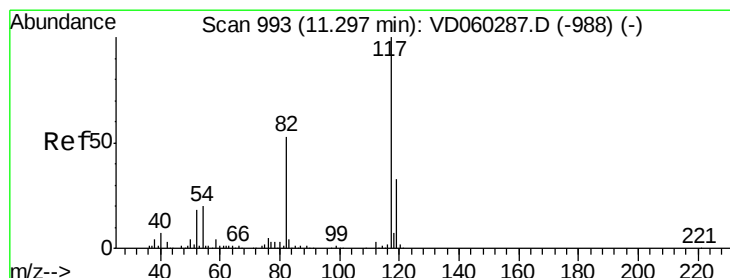
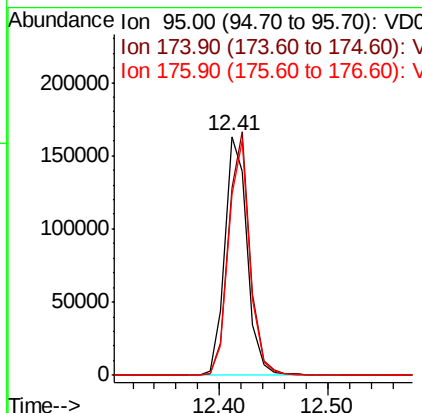
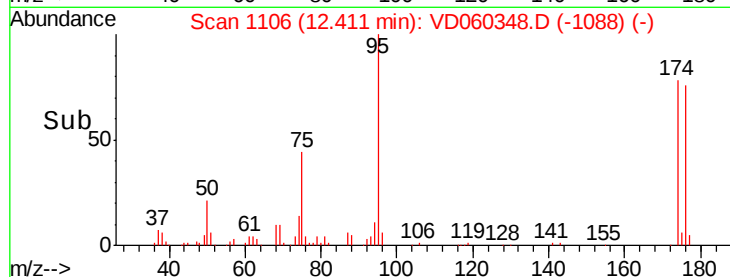
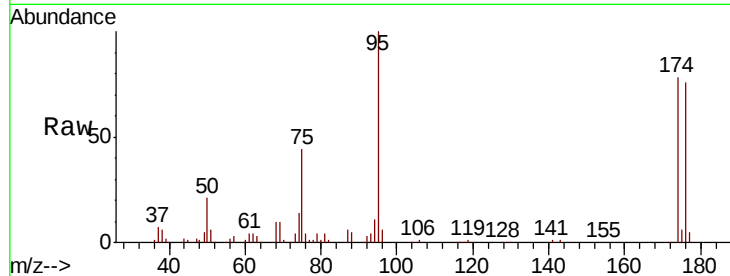




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.41 min Scan# 1106
Delta R.T. -0.03 min
Lab File: VD060348.D
Acq: 12 Nov 2018 20:15

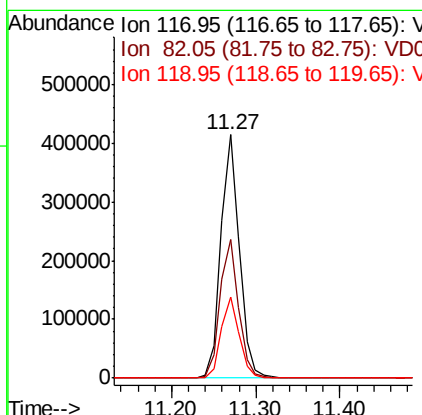
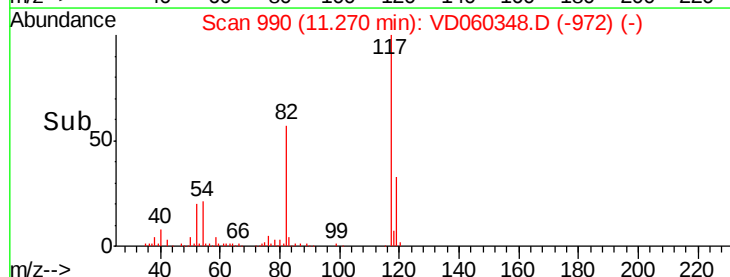
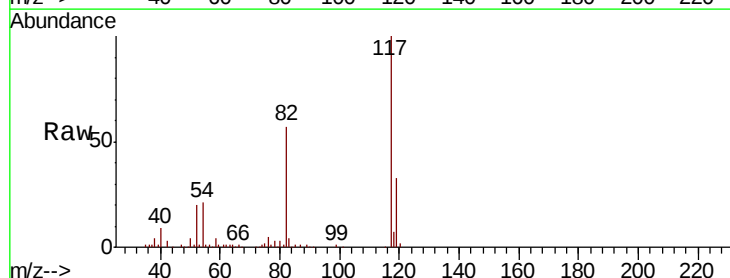
Instrument :
MSVOA_D
ClientSampleId :
SR-4-S

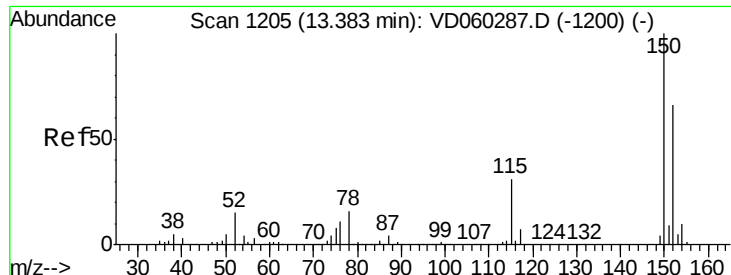
Tgt Ion: 95 Resp: 233643
Ion Ratio Lower Upper
95 100
174 78.5 0.0 160.8
176 75.6 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060348.D
Acq: 12 Nov 2018 20:15

Tgt Ion: 117 Resp: 634340
Ion Ratio Lower Upper
117 100
82 56.8 43.7 65.5
119 33.1 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060348.D

Acq: 12 Nov 2018 20:15

Instrument :

MSVOA_D

ClientSampleId :

SR-4-S

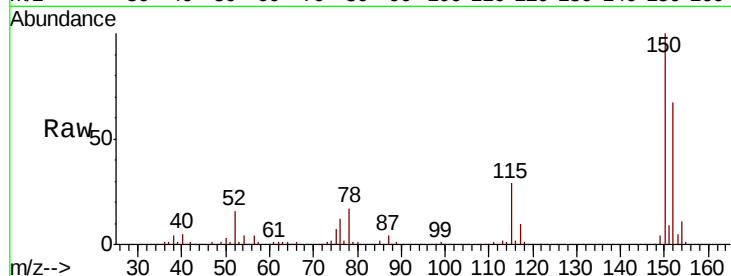
Tgt Ion: 152 Resp: 222878

Ion Ratio Lower Upper

152 100

115 42.5 24.1 72.3

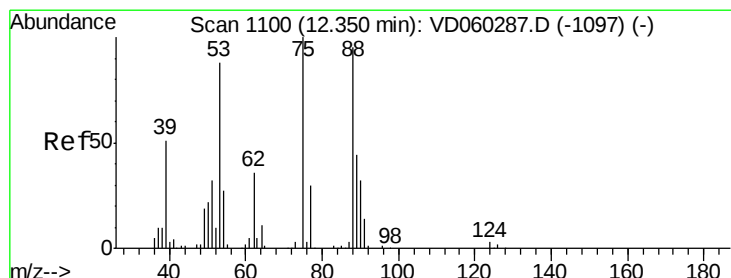
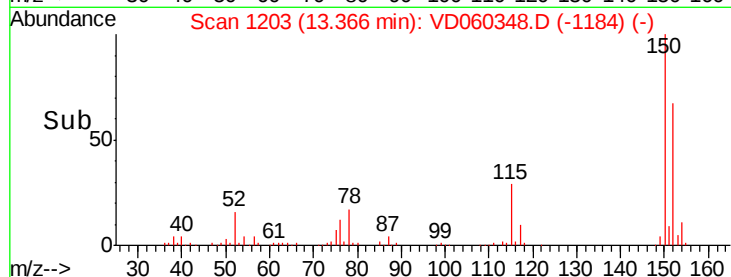
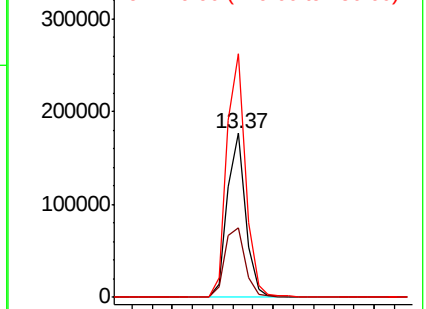
150 148.5 0.0 310.6



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: 132.764 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.06 min

Lab File: VD060348.D

Acq: 12 Nov 2018 20:15

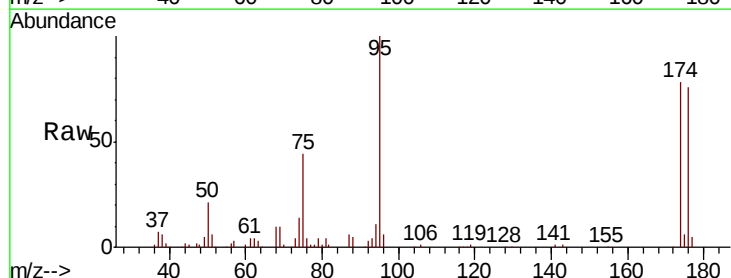
Tgt Ion: 75 Resp: 100774

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

