

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111218\
 Data File : VD060350.D
 Acq On : 12 Nov 2018 21:12
 Operator : JC/SY
 Sample : J5908-19
 Misc : 4.23g/5ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SR-8

Quant Time: Nov 13 00:42:44 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	6.38	168	1666123	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.43	114	2353869	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	1768715	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	823759	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	574155	48.13	ug/l	-0.03
Spiked Amount			Recovery	=	96.26%	
35) Dibromofluoromethane	6.30	113	791109	45.07	ug/l	-0.03
Spiked Amount			Recovery	=	90.14%	
50) Toluene-d8	9.43	98	2182354	42.48	ug/l	-0.03
Spiked Amount			Recovery	=	84.96%	
62) 4-Bromofluorobenzene	12.42	95	732283	39.34	ug/l	-0.02
Spiked Amount			Recovery	=	78.68%	

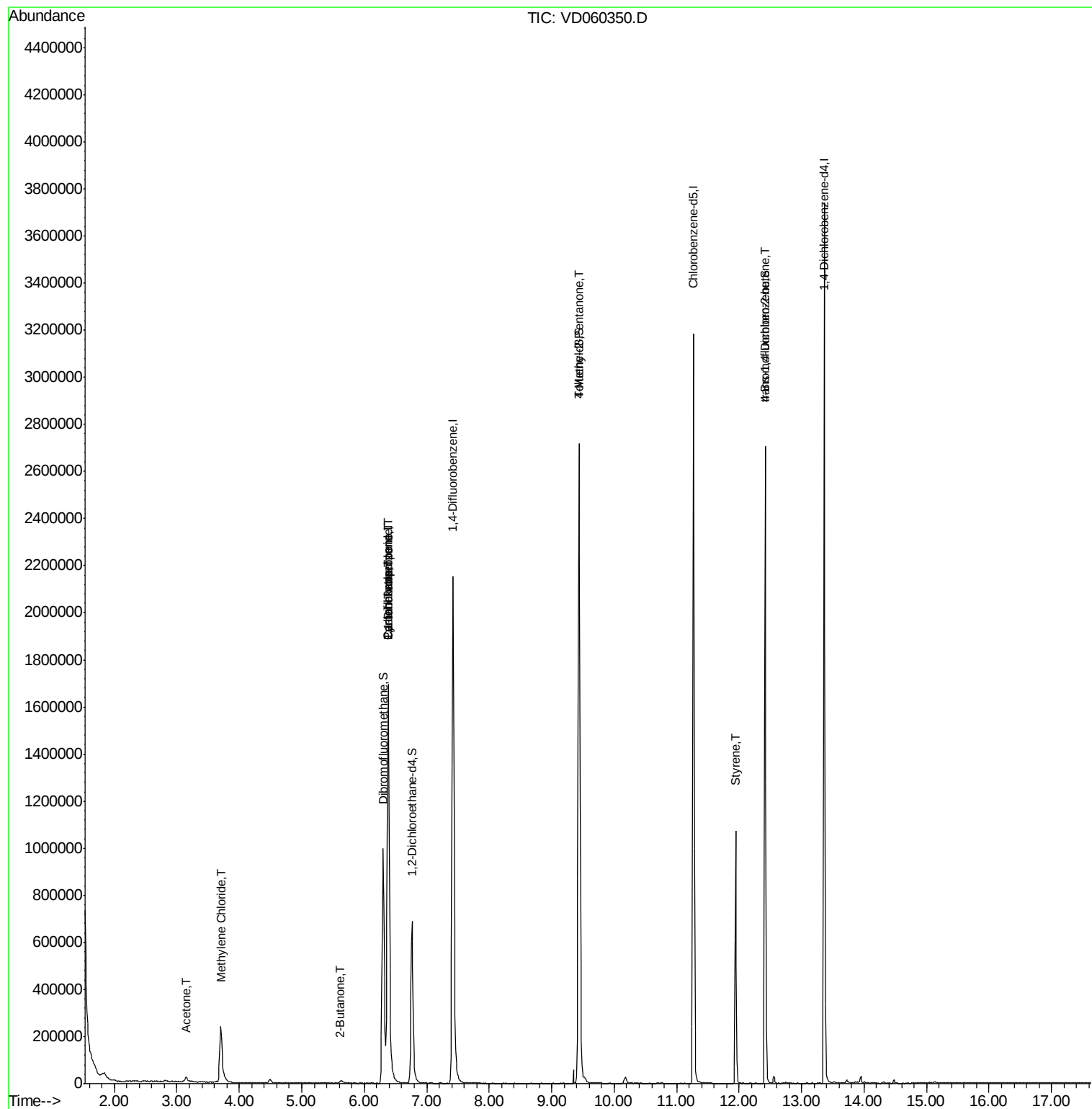
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	185	Below Cal	#	41
16) Acetone	3.15	43	46626	22.532	ug/l	95
20) Methylene Chloride	3.71	84	162835	8.871	ug/l	99
25) 2-Butanone	5.60	43	6217	1.445	ug/l #	60
31) Cyclohexane	6.38	56	28845	1.013	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	121868	5.240	ug/l #	46
38) Carbon Tetrachloride	6.38	117	129087	5.984	ug/l #	17
51) 4-Methyl-2-Pentanone	9.43	43	12142	1.388	ug/l #	1
70) Styrene	11.94	104	410013	10.859	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.42	75	310399	110.642	ug/l #	15
89) n-Butylbenzene	13.64	91	253	Below Cal	#	29

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

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD060350.D

Acq: 12 Nov 2018 21:12

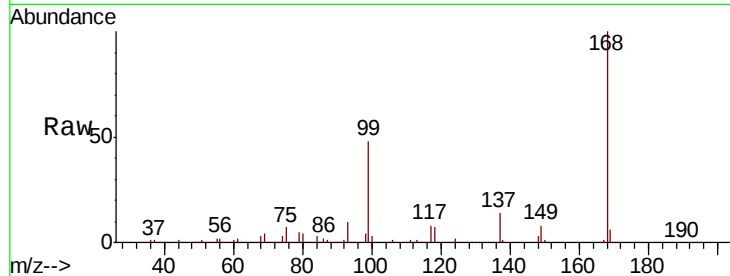
Instrument :
MSVOA_D
ClientSampleId :
SR-8

Tgt Ion:168 Resp: 1666123

Ion Ratio Lower Upper

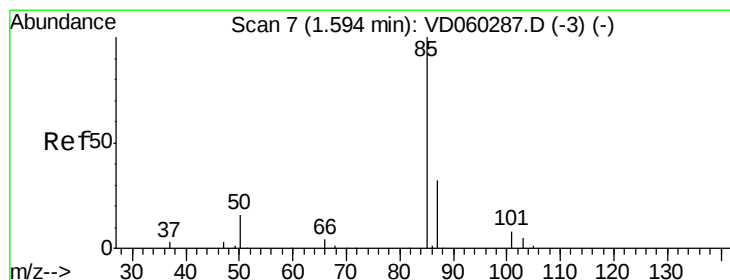
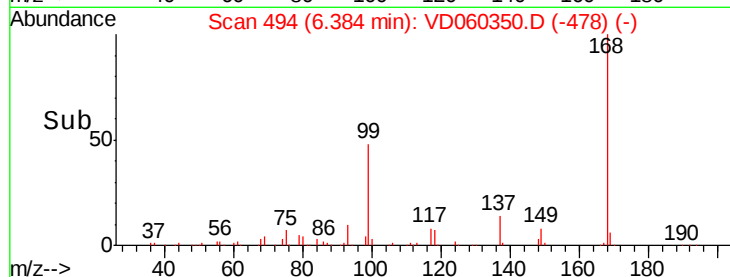
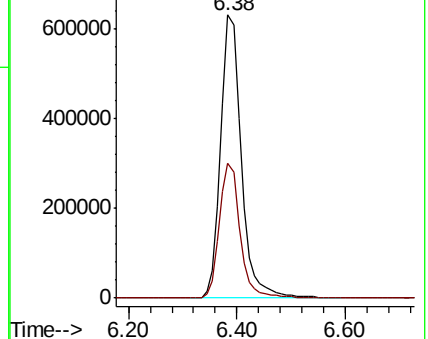
168 100

99 47.6 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060350.D

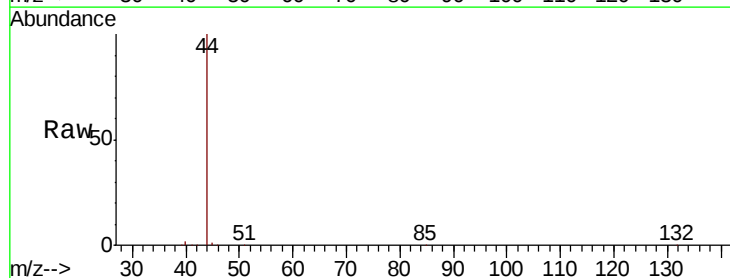
Acq: 12 Nov 2018 21:12

Tgt Ion: 85 Resp: 185

Ion Ratio Lower Upper

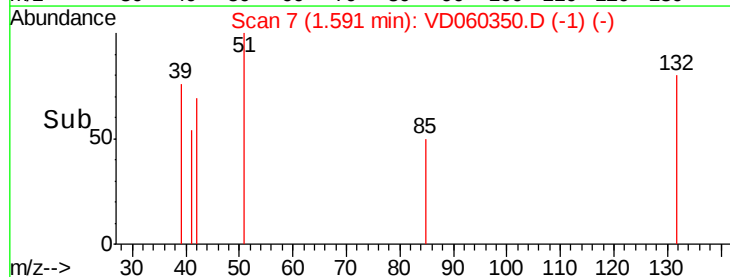
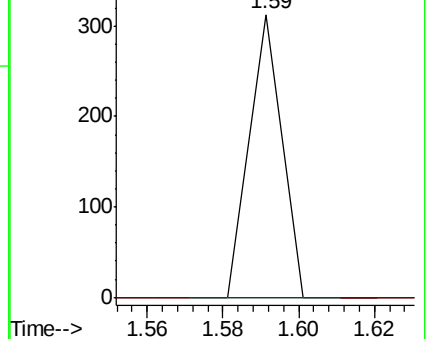
85 100

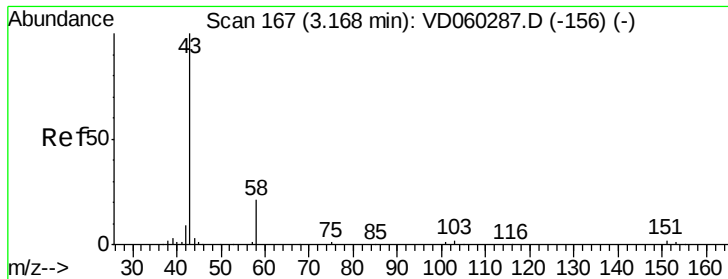
87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 22.532 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060350.D

Acq: 12 Nov 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

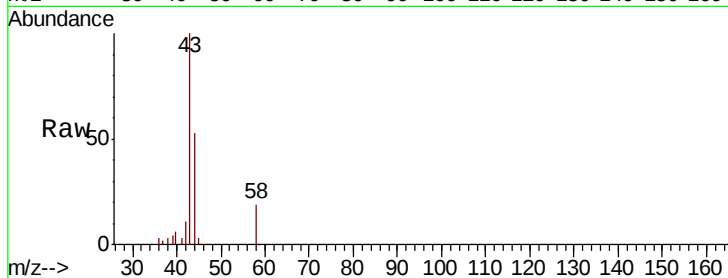
SR-8

Tgt Ion: 43 Resp: 46626

Ion Ratio Lower Upper

43 100

58 18.9 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

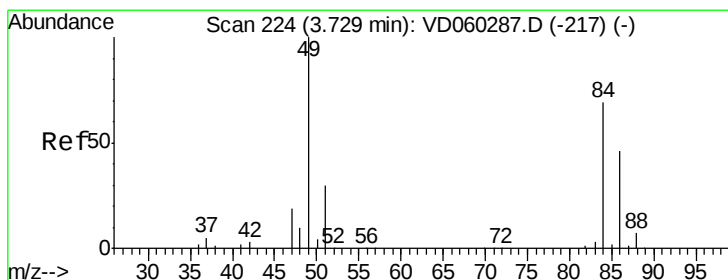
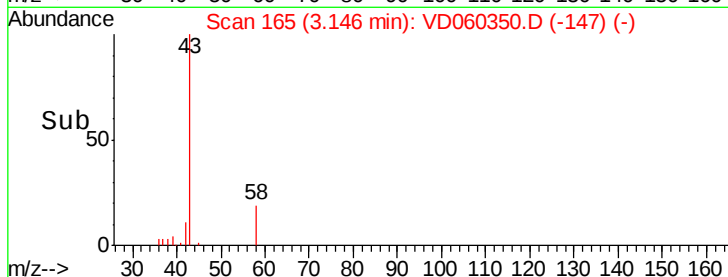
15000

10000

5000

0

Time-->



#20

Methylene Chloride

Concen: 8.871 ug/l

RT: 3.71 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD060350.D

Acq: 12 Nov 2018 21:12

Tgt Ion: 84 Resp: 162835

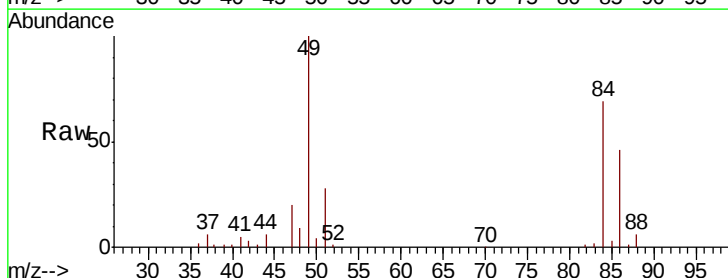
Ion Ratio Lower Upper

84 100

49 144.4 115.6 173.4

51 41.1 35.6 53.4

86 66.4 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

120000

100000

80000

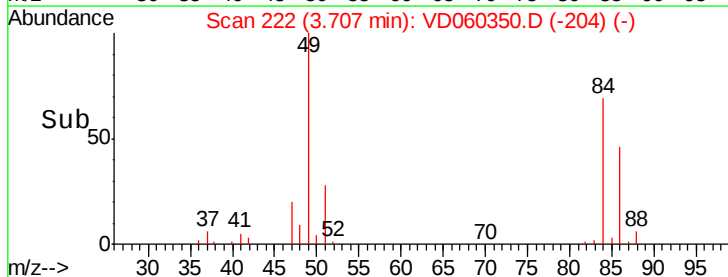
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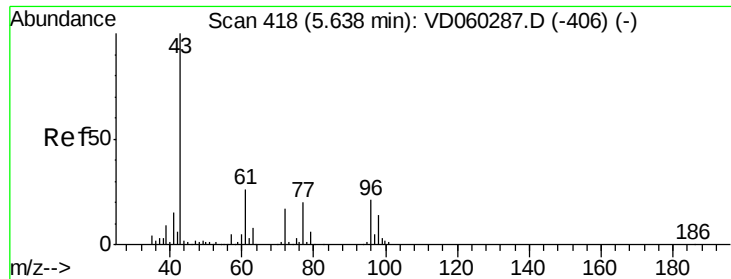
40000

20000

0

Time-->

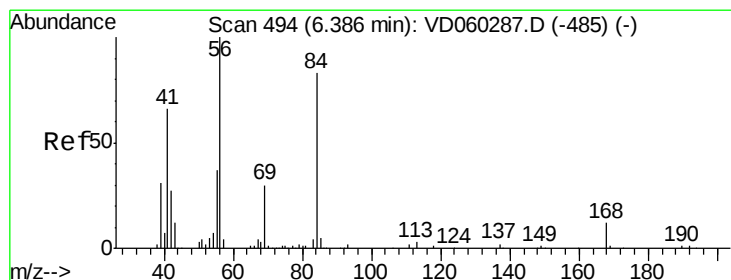
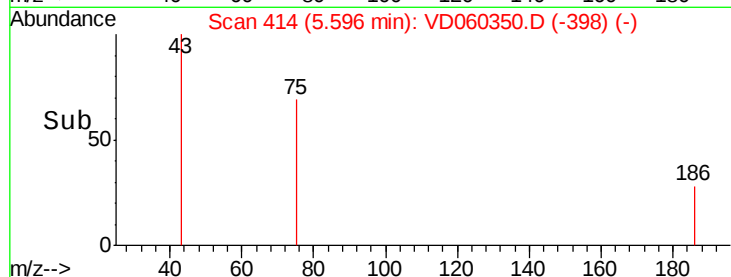
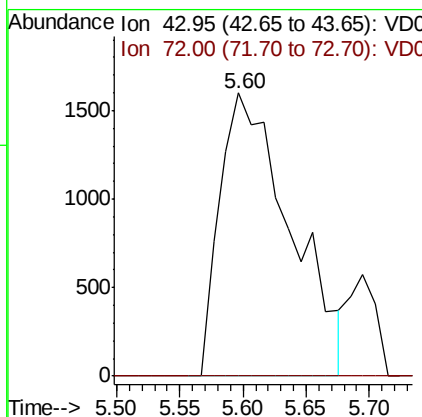
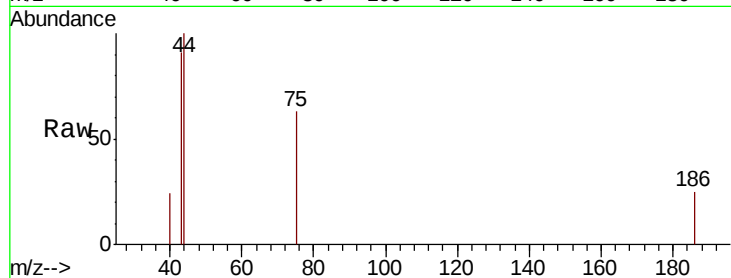




#25
2-Butanone
Concen: 1.445 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.04 min
Lab File: VD060350.D
Acq: 12 Nov 2018 21:12

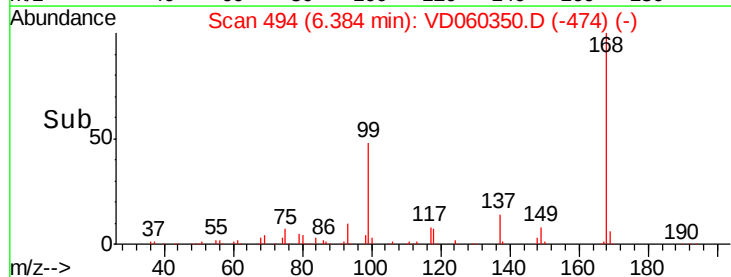
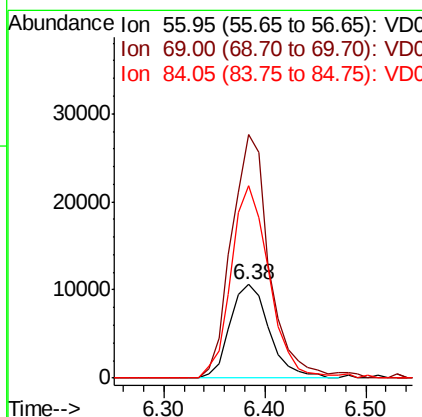
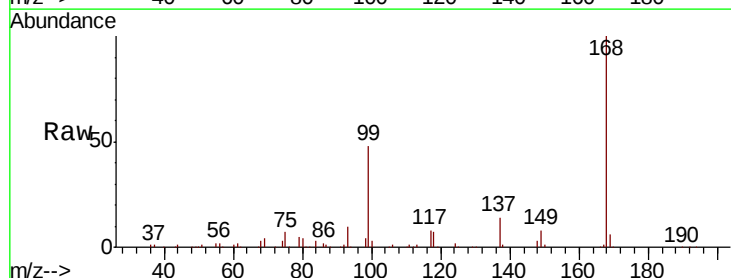
Instrument :
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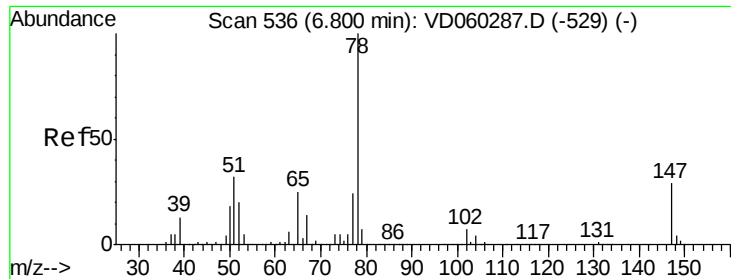
Tgt Ion: 43 Resp: 6217
Ion Ratio Lower Upper
43 100
72 0.0 13.8 20.8#



#31
Cyclohexane
Concen: 1.013 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.00 min
Lab File: VD060350.D
Acq: 12 Nov 2018 21:12

Tgt Ion: 56 Resp: 28845
Ion Ratio Lower Upper
56 100
69 260.1 22.2 33.2#
84 206.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.77 min Scan# 533

Delta R.T. -0.03 min

Lab File: VD060350.D

Acq: 12 Nov 2018 21:12

Instrument :

MSVOA_D

ClientSampleId :

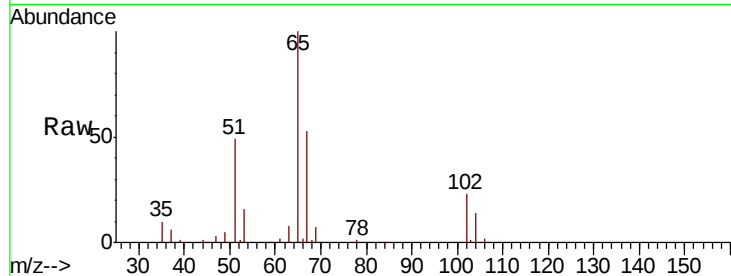
SR-8

Tgt Ion: 65 Resp: 574155

Ion Ratio Lower Upper

65 100

67 53.1 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.77

250000

200000

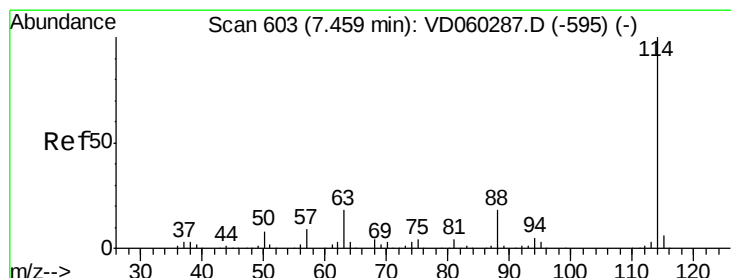
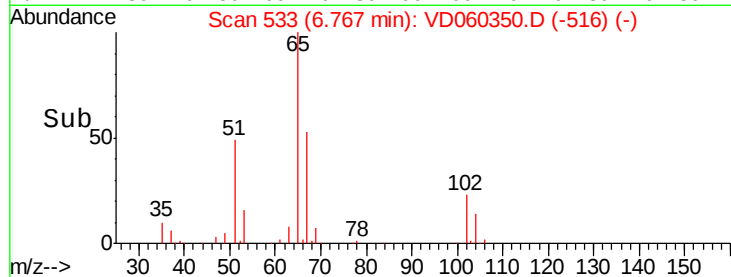
150000

100000

50000

0

Time--> 6.60 6.70 6.80 6.90



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. -0.03 min

Lab File: VD060350.D

Acq: 12 Nov 2018 21:12

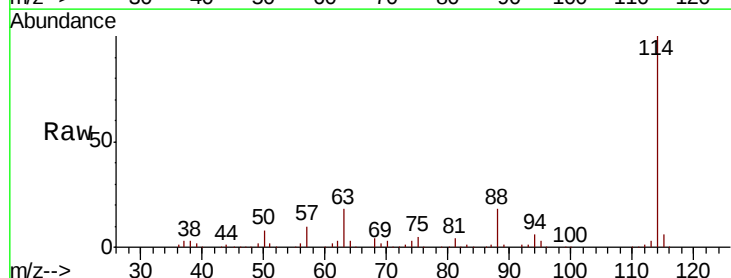
Tgt Ion: 114 Resp: 2353869

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.0

88 18.2 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.43

1200000

1000000

800000

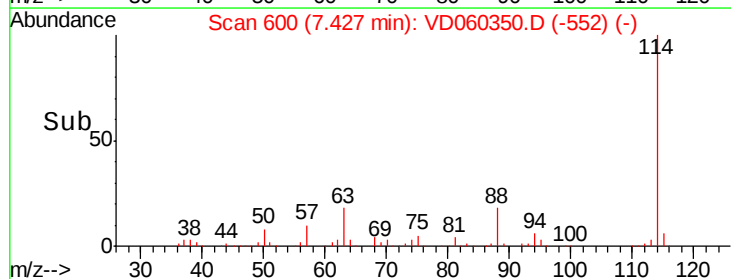
600000

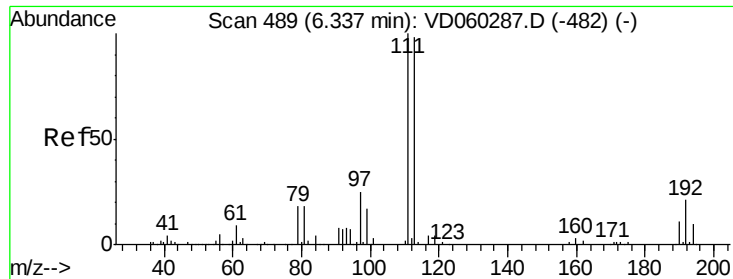
400000

200000

0

Time--> 7.20 7.40 7.60 7.80

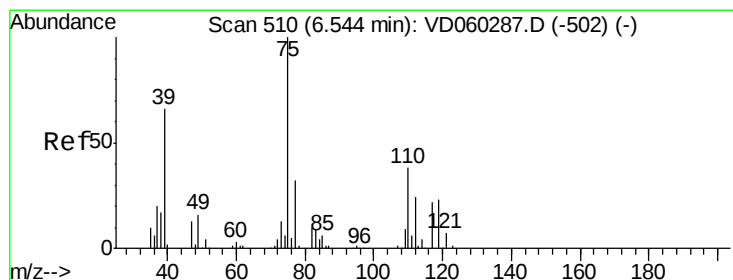
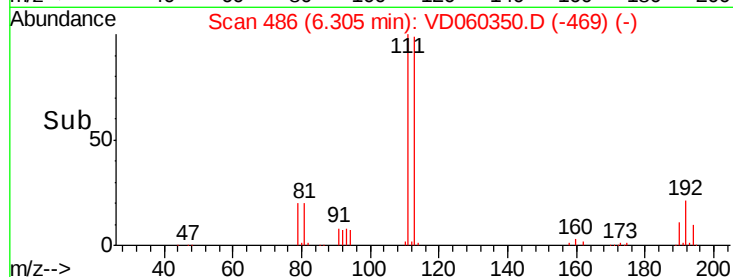
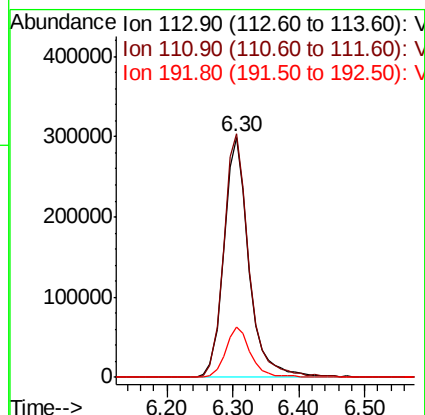
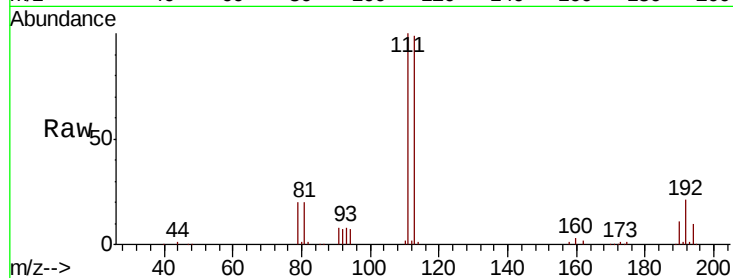




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060350.D
 Acq: 12 Nov 2018 21:12

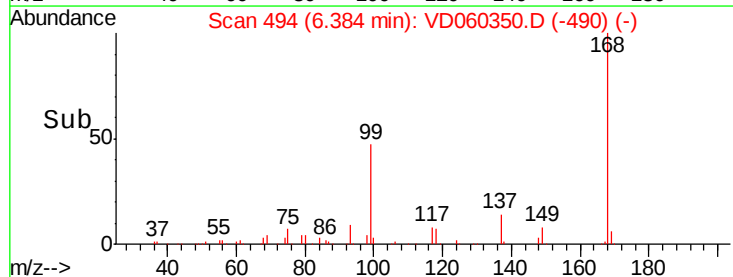
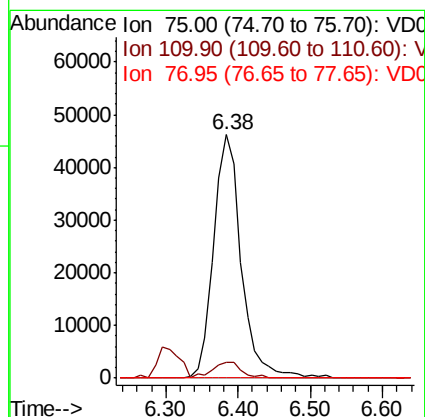
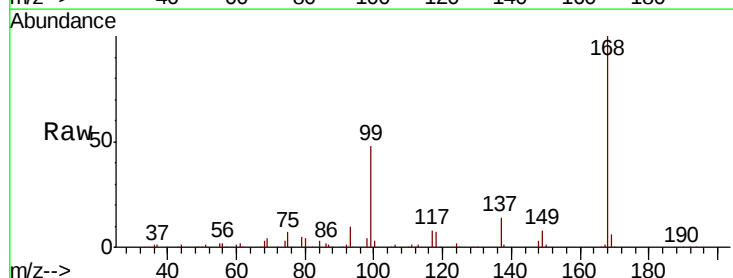
Instrument :
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 ClientSampleId :
 SR-8

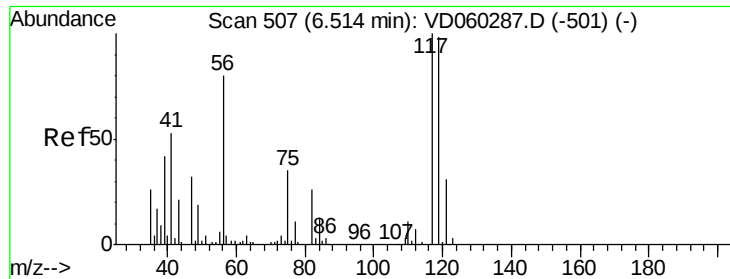
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.6	122.4
192	20.9	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 5.240 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. -0.16 min
 Lab File: VD060350.D
 Acq: 12 Nov 2018 21:12

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

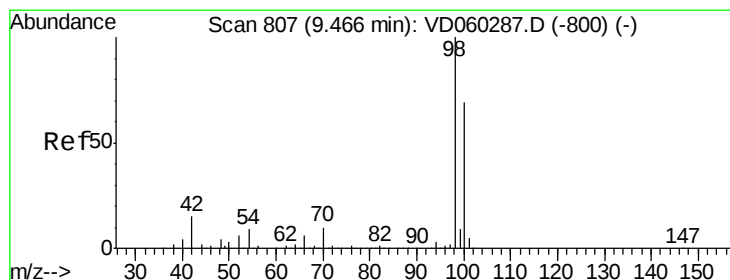
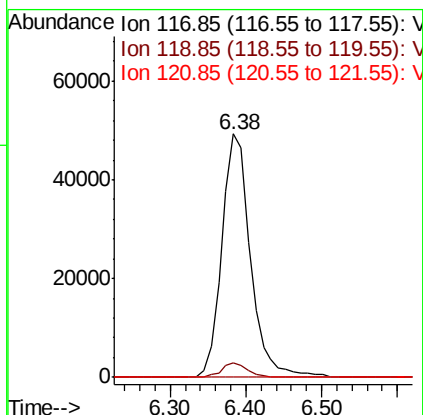
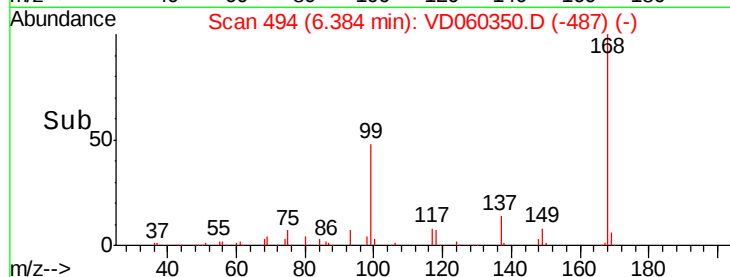
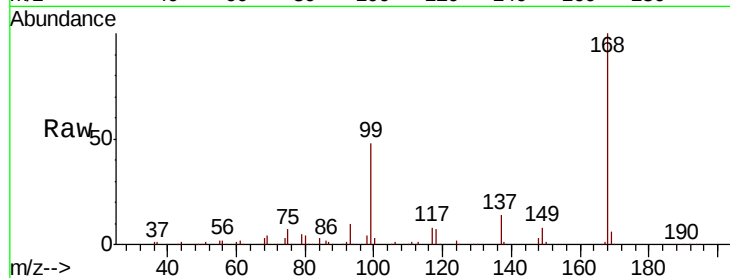




#38
Carbon Tetrachloride
Concen: 5.984 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.13 min
Lab File: VD060350.D
Acq: 12 Nov 2018 21:12

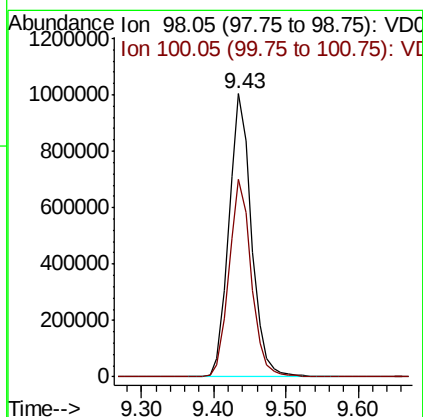
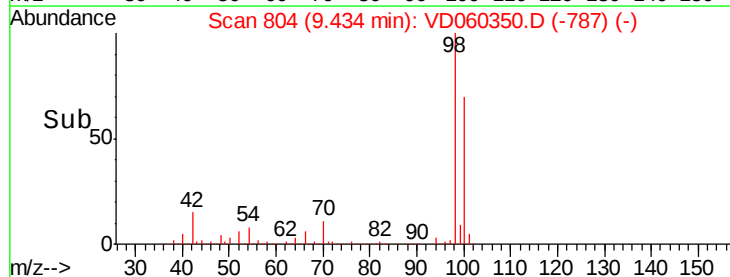
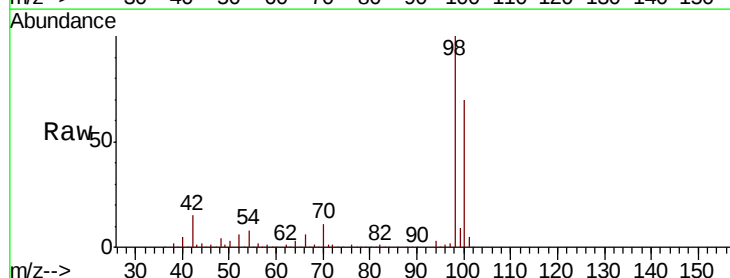
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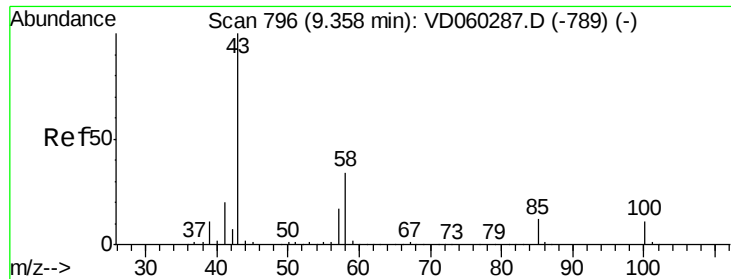
Tgt Ion:117 Resp: 129087
Ion Ratio Lower Upper
117 100
119 5.9 76.6 115.0#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.03 min
Lab File: VD060350.D
Acq: 12 Nov 2018 21:12

Tgt Ion: 98 Resp: 2182354
Ion Ratio Lower Upper
98 100
100 70.0 55.2 82.8

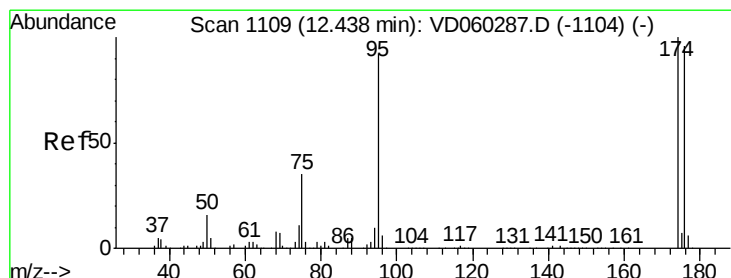
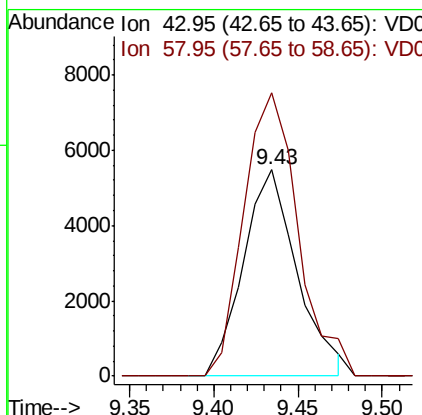
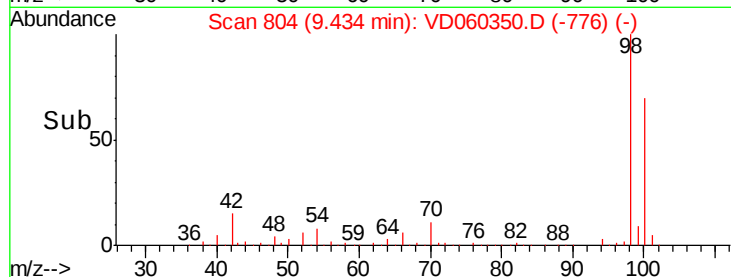
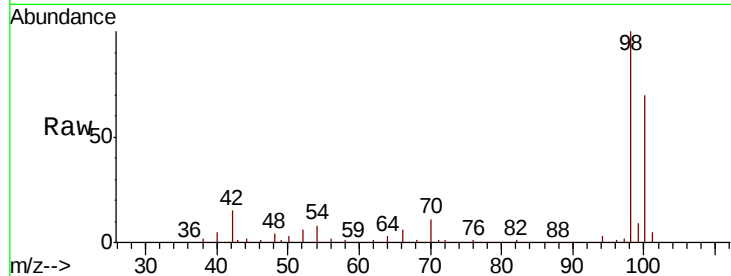




#51
 4-Methyl-2-Pentanone
 Concen: 1.388 ug/l
 RT: 9.43 min Scan# 804
 Delta R.T. 0.08 min
 Lab File: VD060350.D
 Acq: 12 Nov 2018 21:12

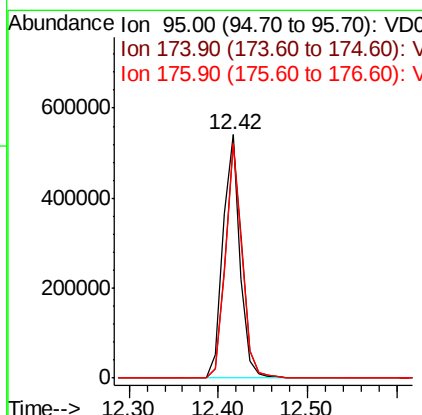
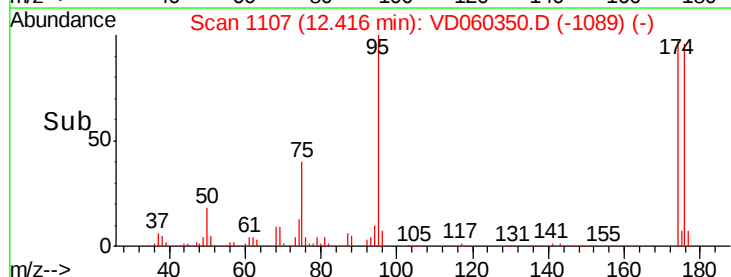
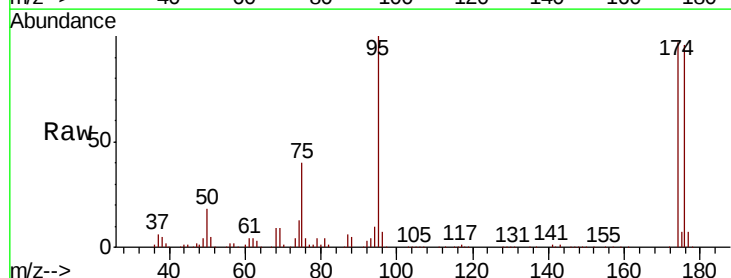
Instrument :
 MSVOA_D
 ClientSampleId :
 SR-8

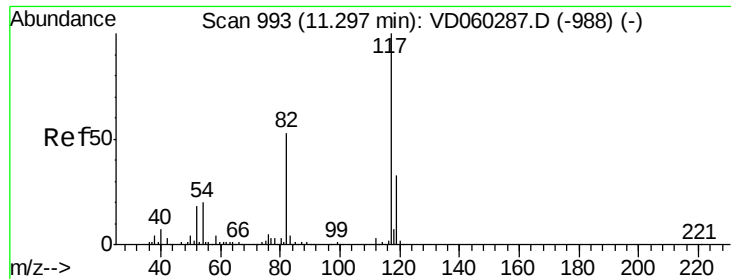
Tgt Ion: 43 Resp: 12142
 Ion Ratio Lower Upper
 43 100
 58 137.3 26.1 39.1#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.02 min
 Lab File: VD060350.D
 Acq: 12 Nov 2018 21:12

Tgt Ion: 95 Resp: 732283
 Ion Ratio Lower Upper
 95 100
 174 97.1 0.0 160.8
 176 96.3 0.0 154.6

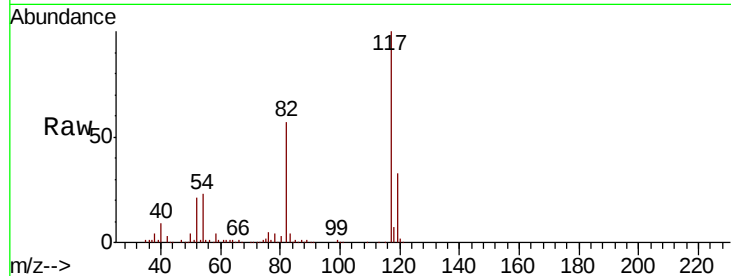




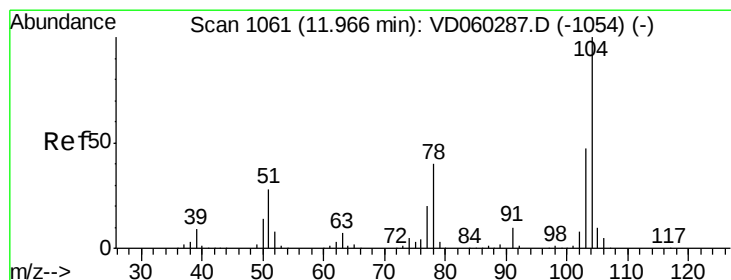
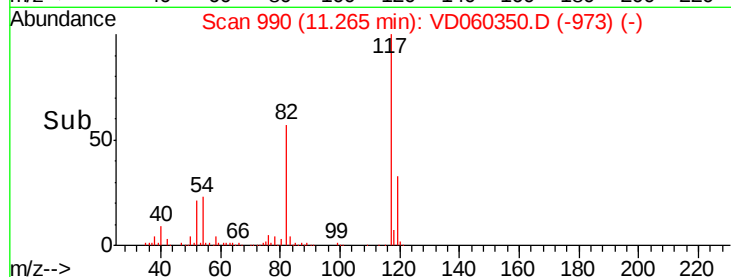
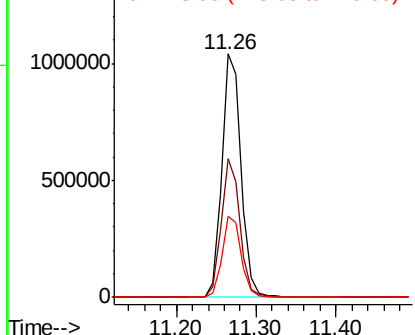
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060350.D
Acq: 12 Nov 2018 21:12

Instrument :
MSVOA_D
ClientSampled :
SR-8

Tgt Ion:117 Resp: 1768715
Ion Ratio Lower Upper
117 100
82 57.0 43.7 65.5
119 33.1 26.1 39.1

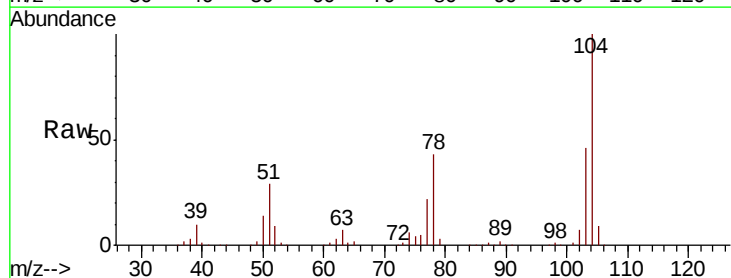


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

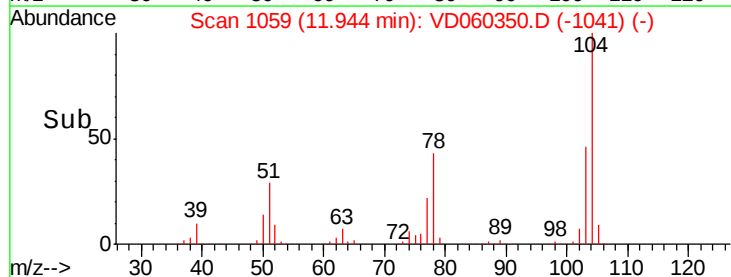
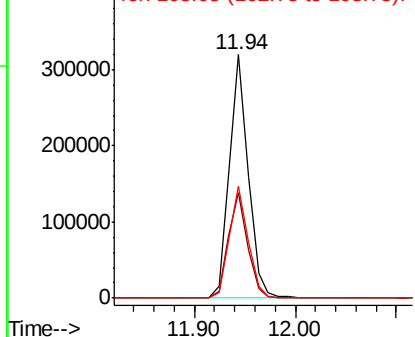


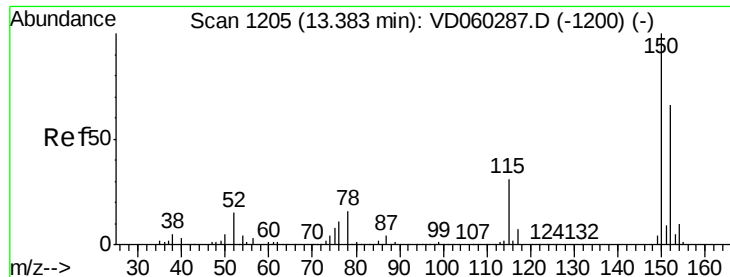
#70
Styrene
Concen: 10.859 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060350.D
Acq: 12 Nov 2018 21:12

Tgt Ion:104 Resp: 410013
Ion Ratio Lower Upper
104 100
78 43.5 31.6 47.4
103 45.7 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060350.D

Acq: 12 Nov 2018 21:12

Instrument :

MSVOA_D

ClientSampled :

SR-8

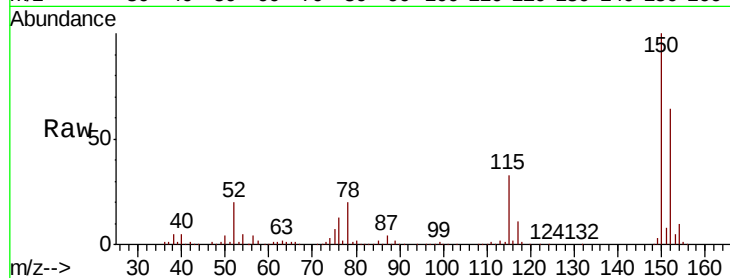
Tgt Ion: 152 Resp: 823759

Ion Ratio Lower Upper

152 100

115 50.8 24.1 72.3

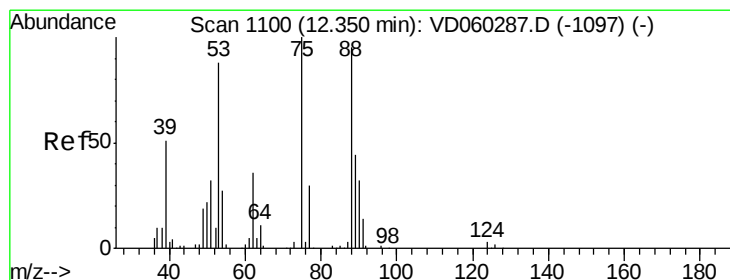
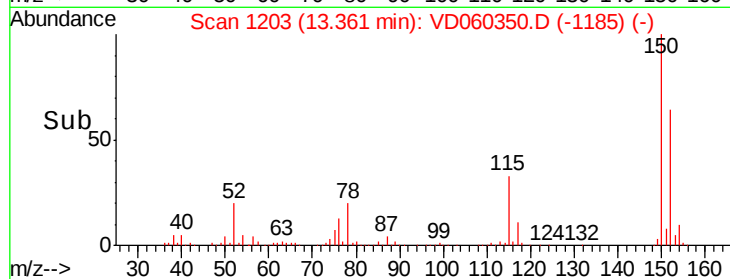
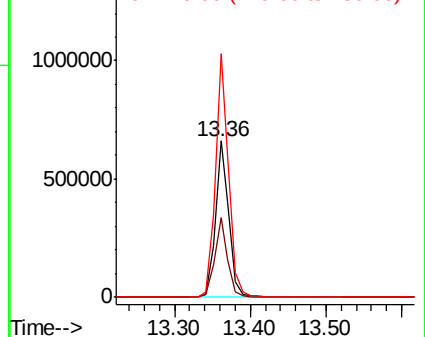
150 156.0 0.0 310.6



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: 110.642 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060350.D

Acq: 12 Nov 2018 21:12

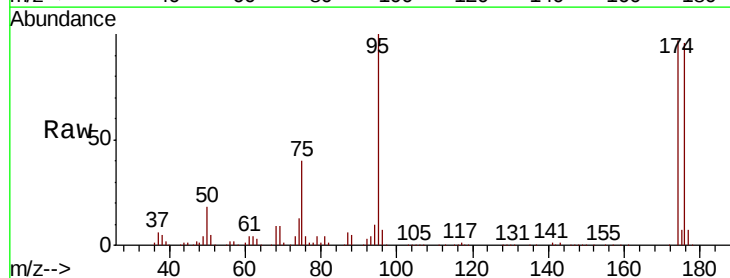
Tgt Ion: 75 Resp: 310399

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

