

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110918\
 Data File : VD060325.D
 Acq On : 9 Nov 2018 21:20
 Operator : VA/AP
 Sample : J5887-11
 Misc : 3.59g/5ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 W-2

Quant Time: Nov 12 01:37:11 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	6.41	168	1143305	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	1624656	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.29	117	1195042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	490134	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	534237	65.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	130.52%	
35) Dibromofluoromethane	6.33	113	683612	56.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.86%	
50) Toluene-d8	9.46	98	1794048	50.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.44	95	545258	42.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.88%	

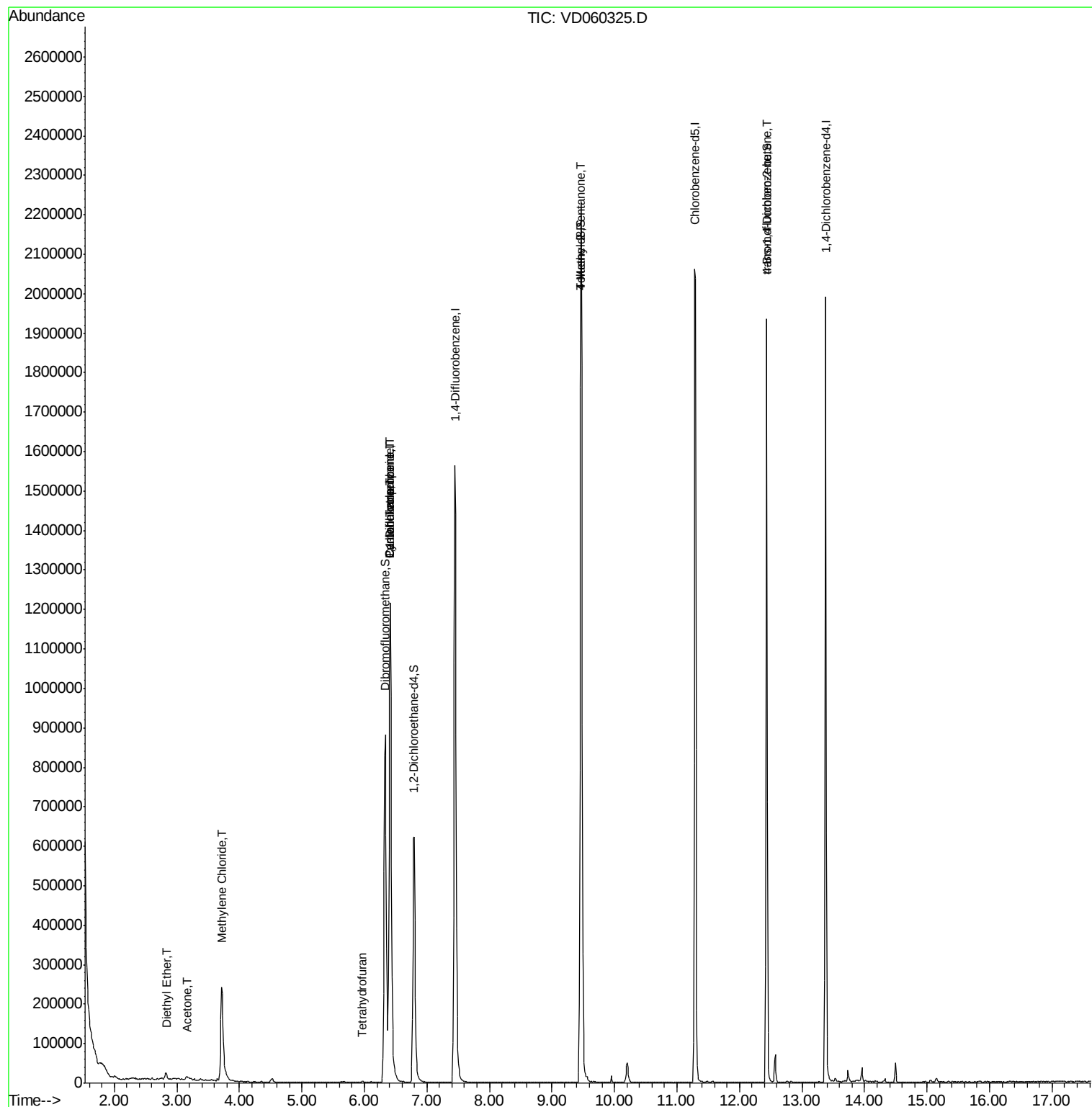
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	1832	Below Cal	#	41
8) Diethyl Ether	2.83	74	6576	3.483	ug/l	94
16) Acetone	3.17	43	12792	9.009	ug/l	96
20) Methylene Chloride	3.72	84	150361	11.937	ug/l	97
29) Tetrahydrofuran	5.97	42	2723	1.750	ug/l #	47
31) Cyclohexane	6.41	56	21575	1.104	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	83287	5.189	ug/l #	46
38) Carbon Tetrachloride	6.41	117	87671	5.888	ug/l #	16
51) 4-Methyl-2-Pentanone	9.46	43	10228	1.694	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.44	75	230792	138.263	ug/l #	15

(#) = 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: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060325.D

Acq: 9 Nov 2018 21:20

Instrument :

MSVOA_D

ClientSampleId :

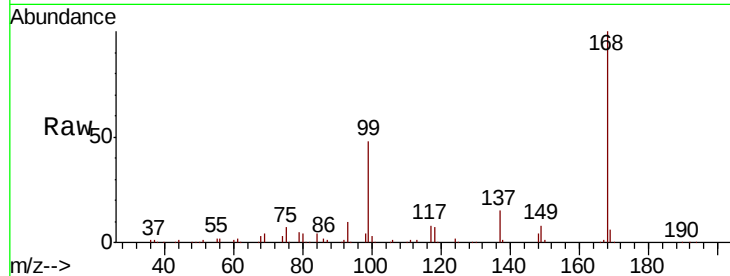
W-2

Tgt Ion:168 Resp: 1143305

Ion Ratio Lower Upper

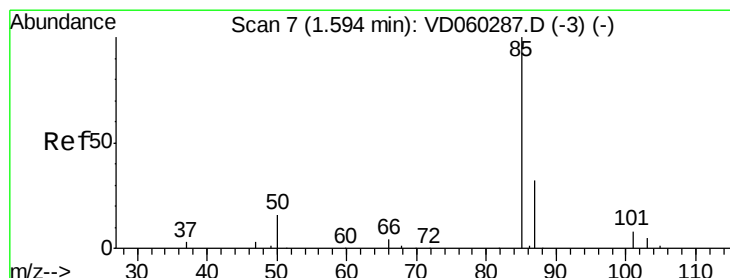
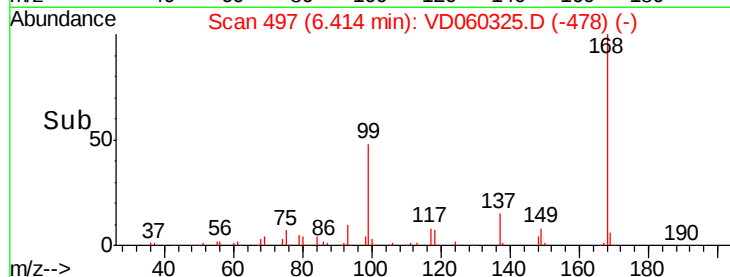
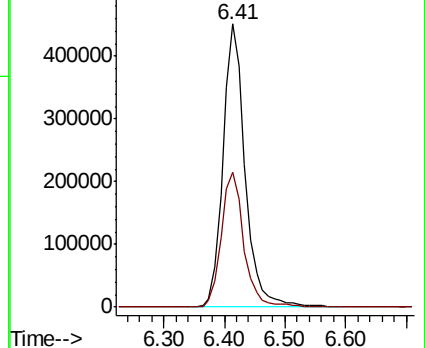
168 100

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: 1.58 min Scan# 6

Delta R.T. -0.01 min

Lab File: VD060325.D

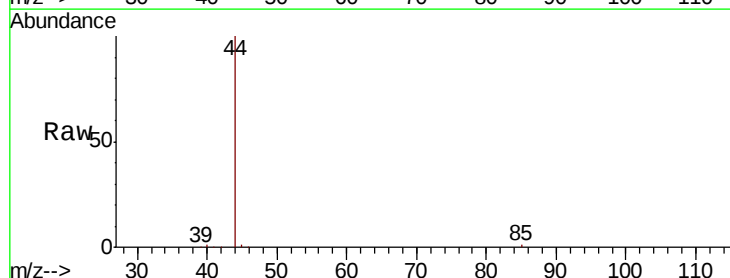
Acq: 9 Nov 2018 21:20

Tgt Ion: 85 Resp: 1832

Ion Ratio Lower Upper

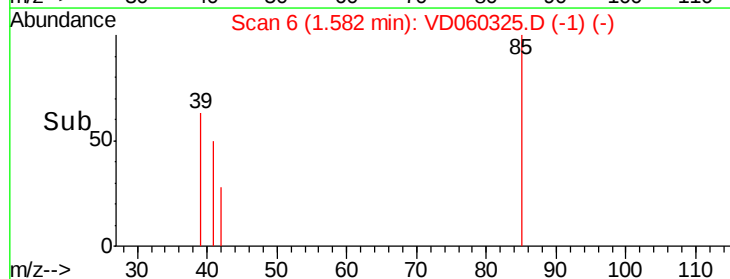
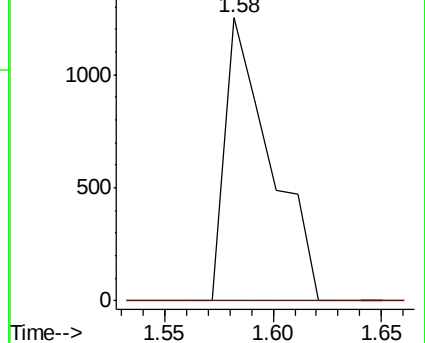
85 100

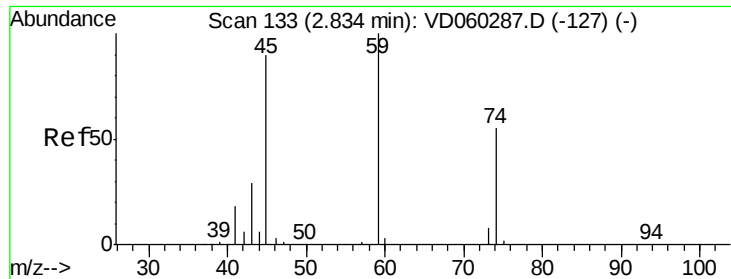
87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#8

Diethyl Ether

Concen: 3.483 ug/l

RT: 2.83 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD060325.D

Acq: 9 Nov 2018 21:20

Instrument :

MSVOA_D

ClientSampleId :

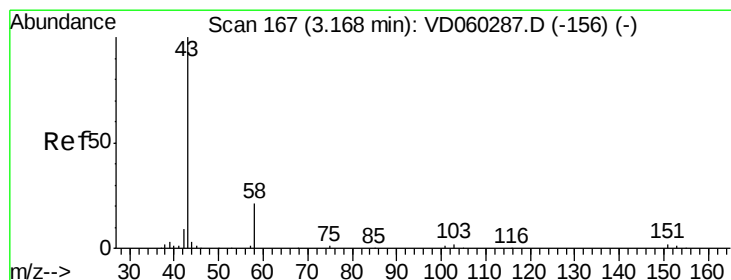
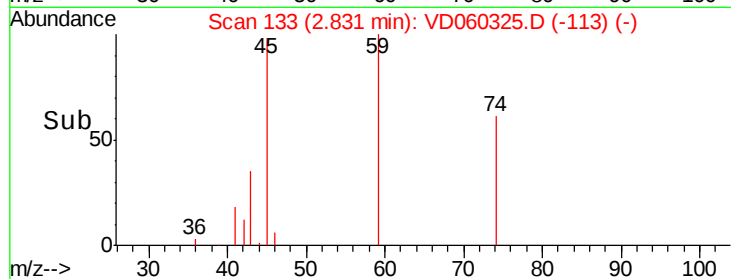
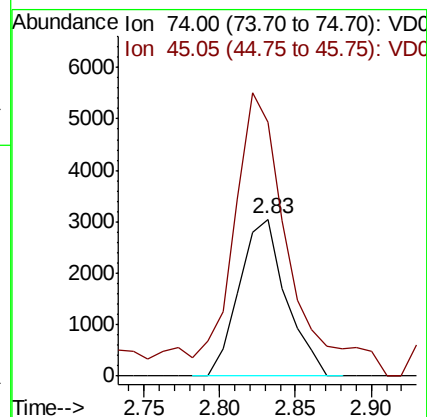
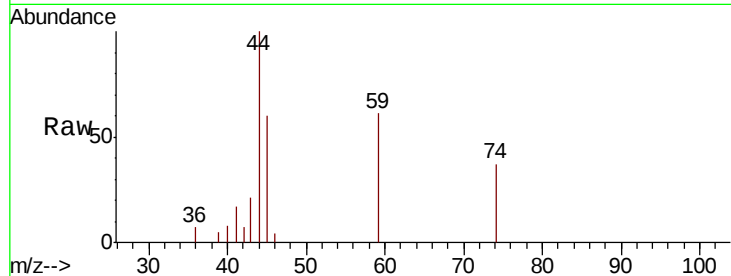
W-2

Tgt Ion: 74 Resp: 6576

Ion Ratio Lower Upper

74 100

45 161.2 84.8 254.4



#16

Acetone

Concen: 9.009 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060325.D

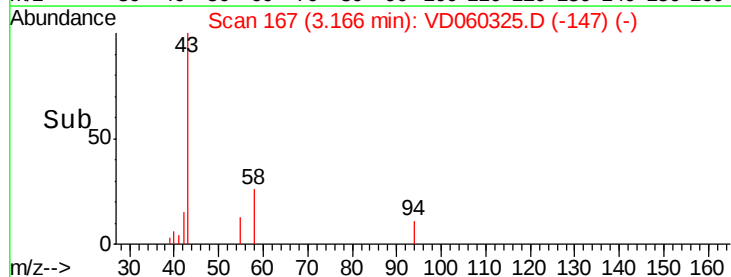
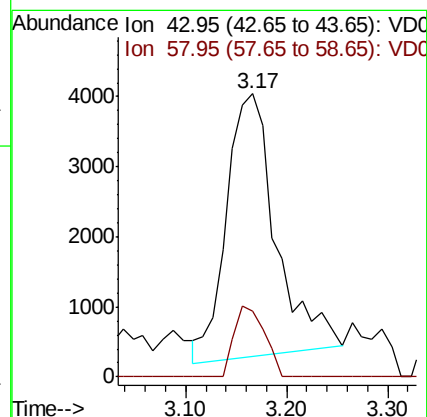
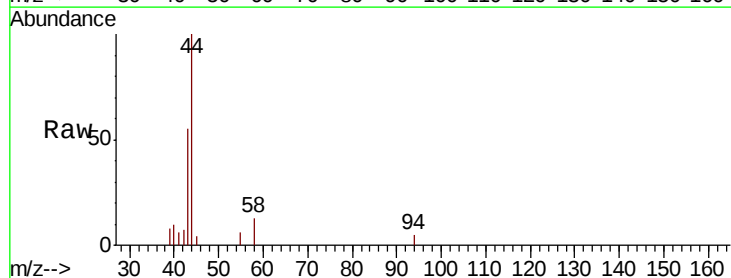
Acq: 9 Nov 2018 21:20

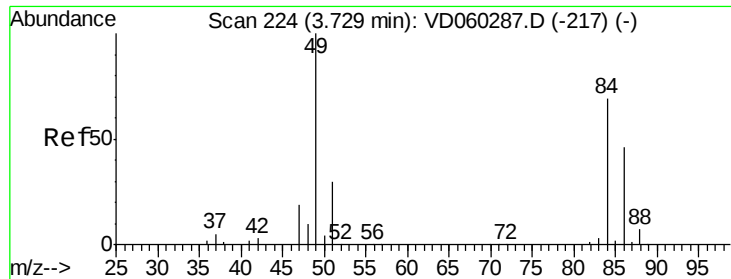
Tgt Ion: 43 Resp: 12792

Ion Ratio Lower Upper

43 100

58 23.1 16.9 25.3

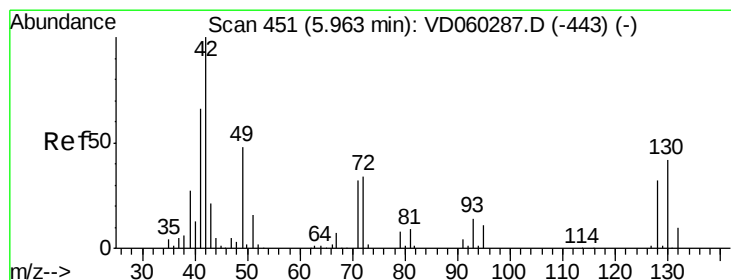
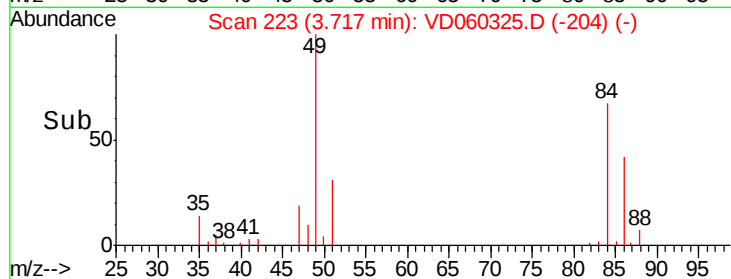
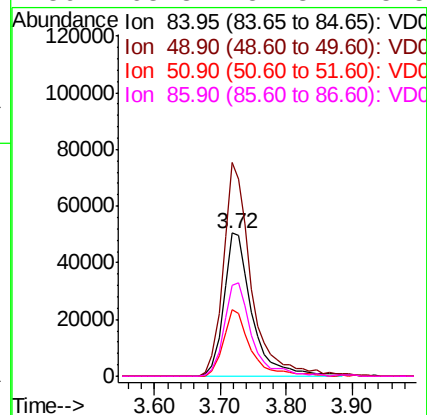
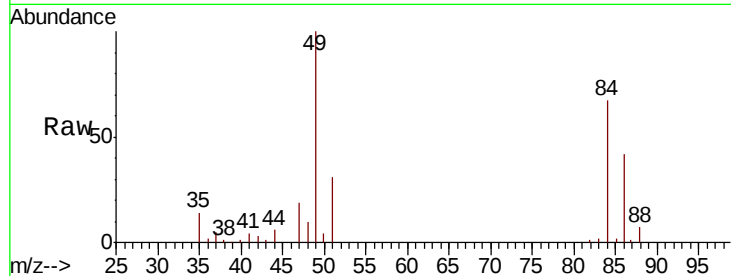




#20
Methylene Chloride
Concen: 11.937 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060325.D
Acq: 9 Nov 2018 21:20

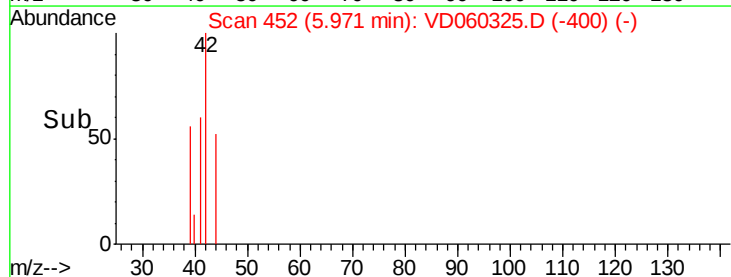
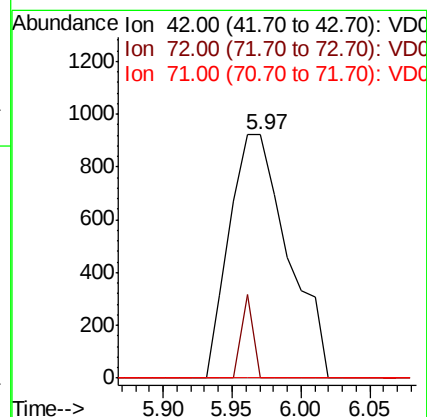
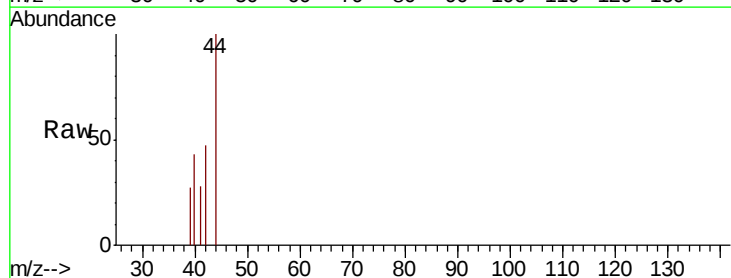
Instrument :
MSVOA_D
ClientSampleId :
W-2

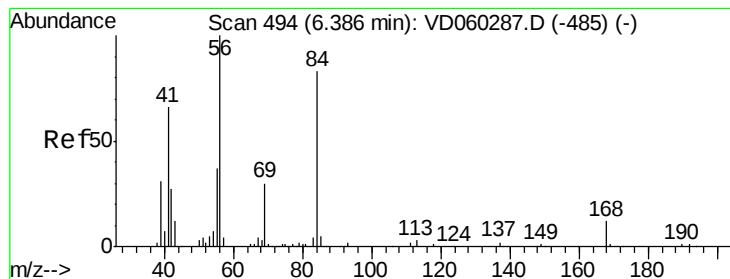
Tgt Ion:	84	Resp:	150361
Ion	Ratio	Lower	Upper
84	100		
49	149.3	115.6	173.4
51	46.5	35.6	53.4
86	63.3	52.3	78.5



#29
Tetrahydrofuran
Concen: 1.750 ug/l
RT: 5.97 min Scan# 452
Delta R.T. 0.01 min
Lab File: VD060325.D
Acq: 9 Nov 2018 21:20

Tgt Ion:	42	Resp:	2723
Ion	Ratio	Lower	Upper
42	100		
72	6.9	27.6	41.4#
71	0.0	26.5	39.7#





#31

Cyclohexane

Concen: 1.104 ug/l

RT: 6.41 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060325.D

Acq: 9 Nov 2018 21:20

Instrument :

MSVOA_D

ClientSampleId :

W-2

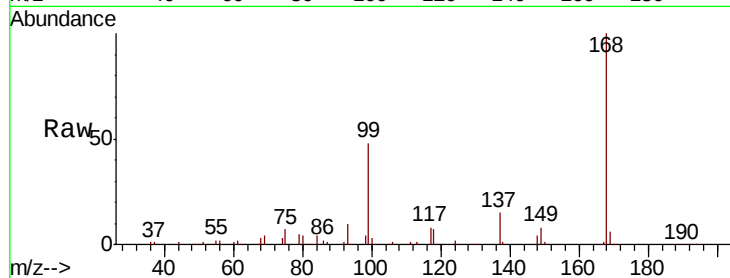
Tgt Ion: 56 Resp: 21575

Ion Ratio Lower Upper

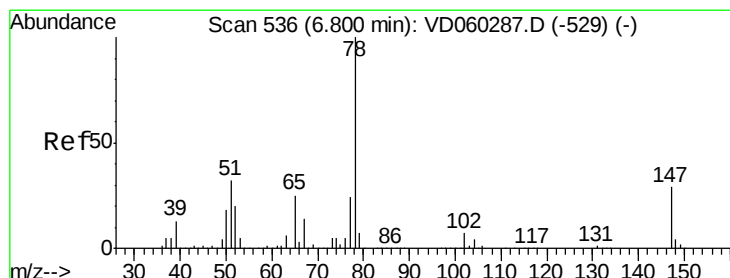
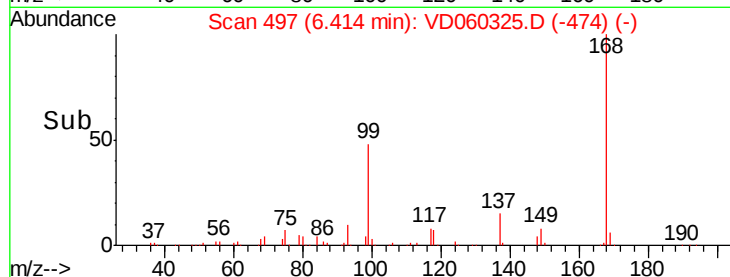
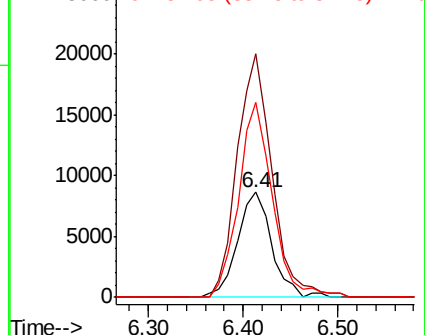
56 100

69 231.7 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: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060325.D

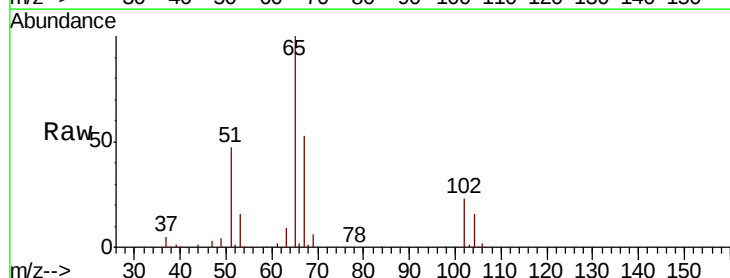
Acq: 9 Nov 2018 21:20

Tgt Ion: 65 Resp: 534237

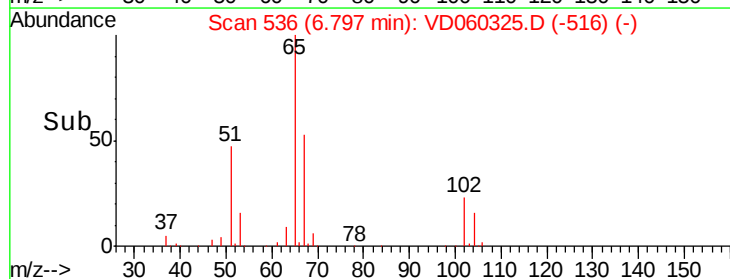
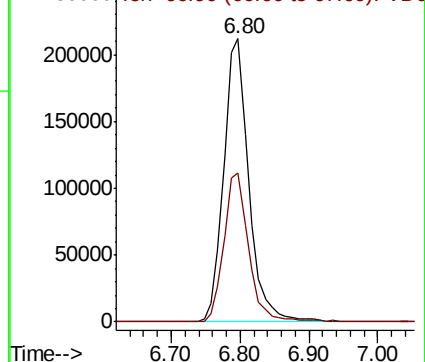
Ion Ratio Lower Upper

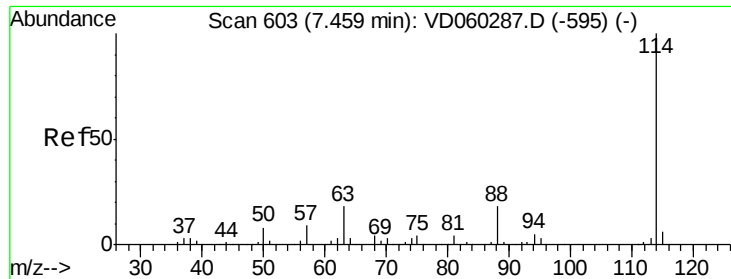
65 100

67 52.6 0.0 109.8



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

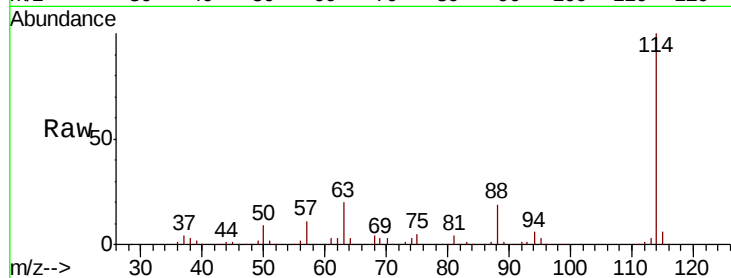




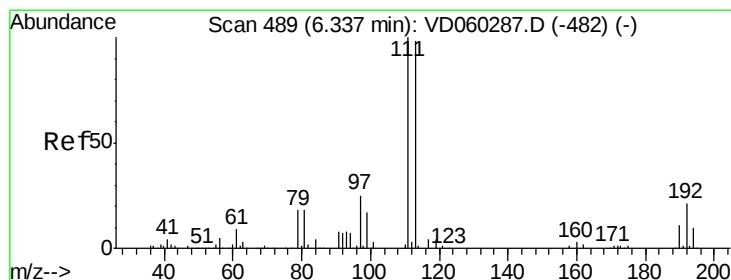
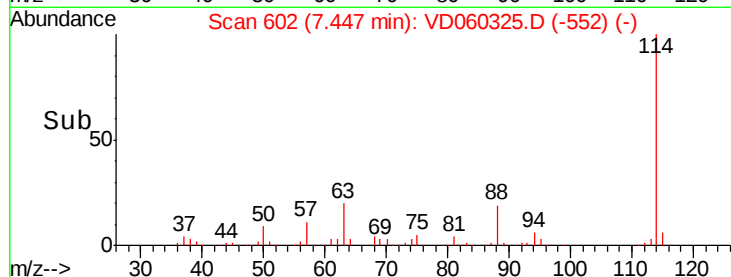
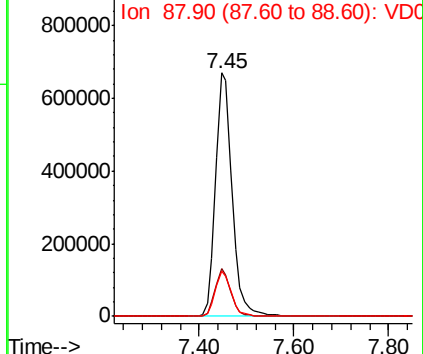
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060325.D
 Acq: 9 Nov 2018 21:20

Instrument :
 MSVOA_D
 ClientSampleId :
 W-2

Tgt Ion:114 Resp: 1624656
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 34.0
 88 18.7 0.0 35.4

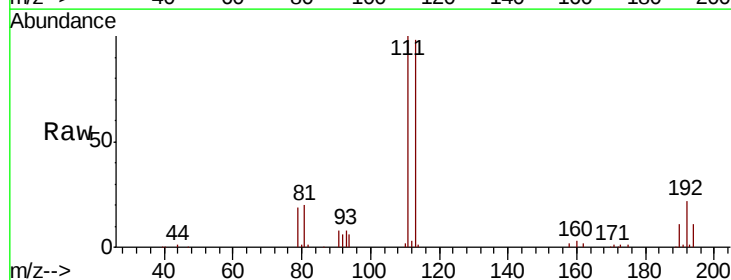


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

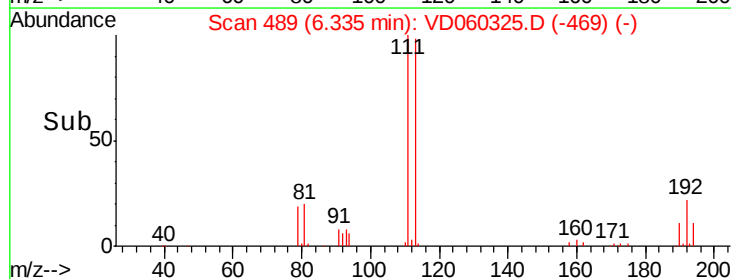
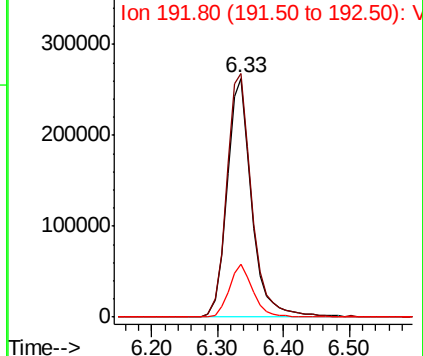


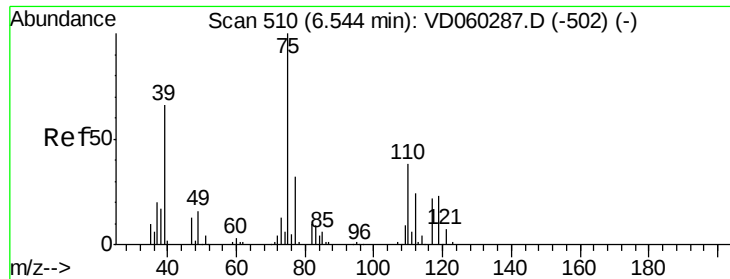
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 489
 Delta R.T. -0.00 min
 Lab File: VD060325.D
 Acq: 9 Nov 2018 21:20

Tgt Ion:113 Resp: 683612
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.6 122.4
 192 22.1 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

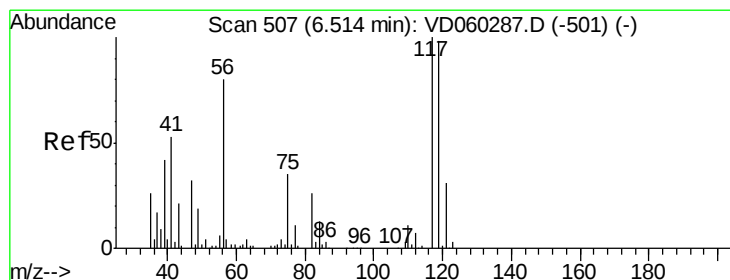
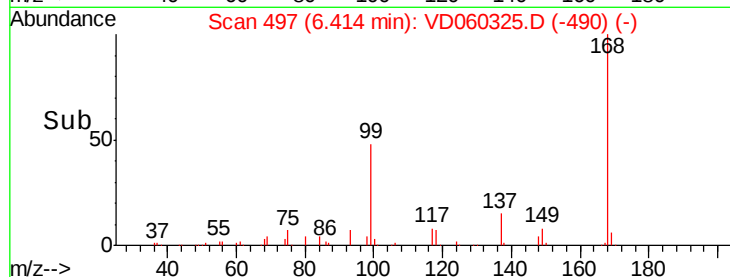
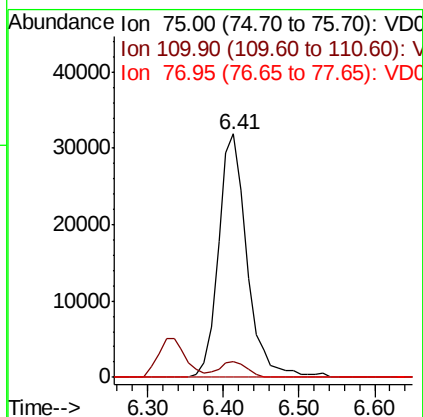
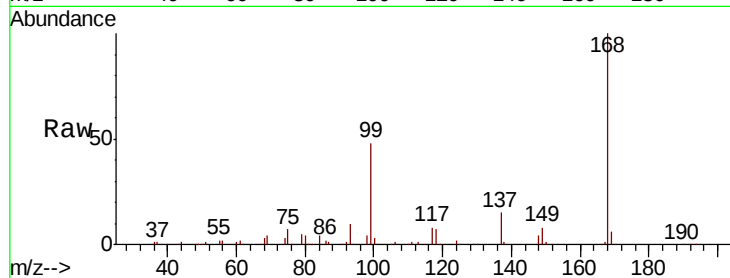




#36
 1,1-Dichloropropene
 Concen: 5.189 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.13 min
 Lab File: VD060325.D
 Acq: 9 Nov 2018 21:20

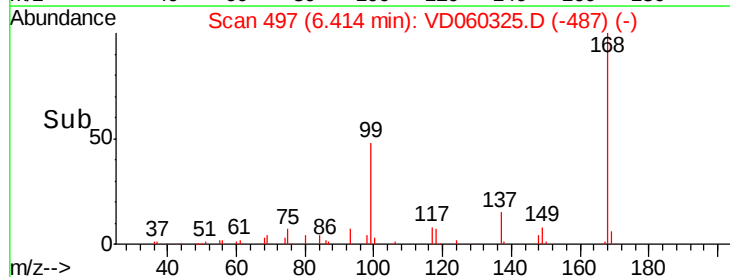
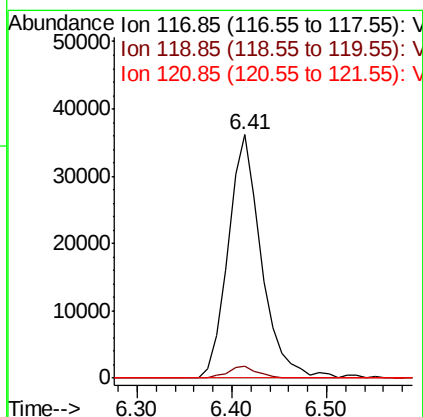
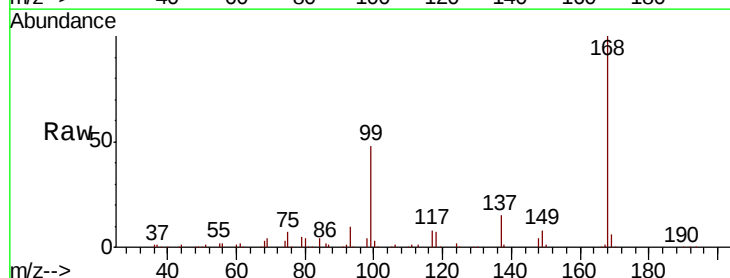
Instrument :
 MSVOA_D
 ClientSampleId :
 W-2

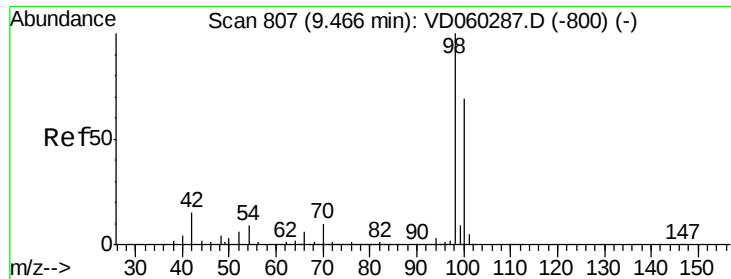
Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.4	18.0	54.0#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.888 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.10 min
 Lab File: VD060325.D
 Acq: 9 Nov 2018 21:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.6	115.0#
121	0.0	24.3	36.5#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.46 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD060325.D

Acq: 9 Nov 2018 21:20

Instrument :

MSVOA_D

ClientSampleId :

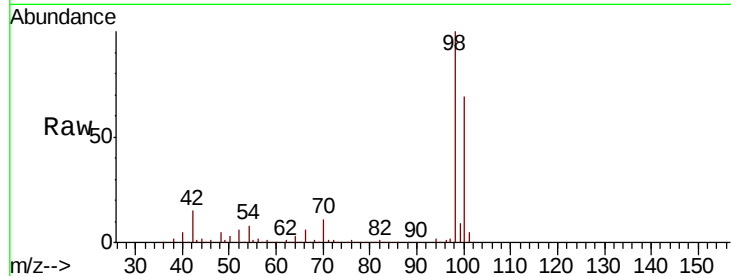
W-2

Tgt Ion: 98 Resp: 1794048

Ion Ratio Lower Upper

98 100

100 69.1 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

9.46

800000

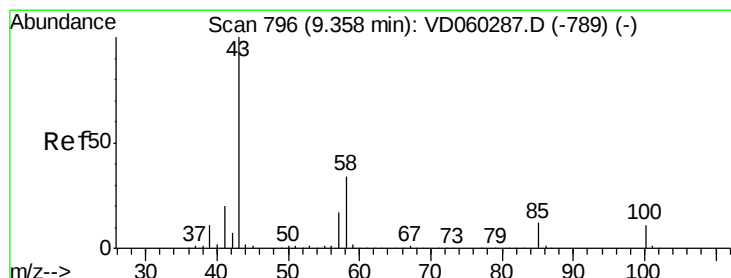
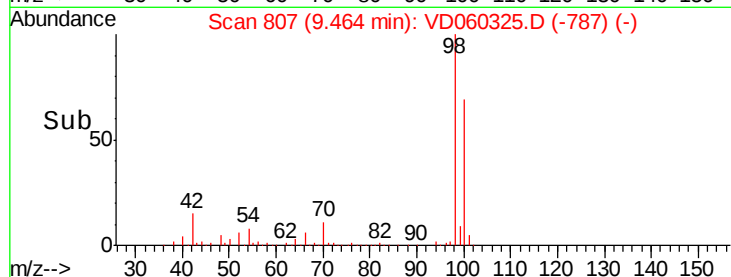
600000

400000

200000

0

Time--> 9.30 9.40 9.50 9.60



#51

4-Methyl-2-Pentanone

Concen: 1.694 ug/l

RT: 9.46 min Scan# 807

Delta R.T. 0.11 min

Lab File: VD060325.D

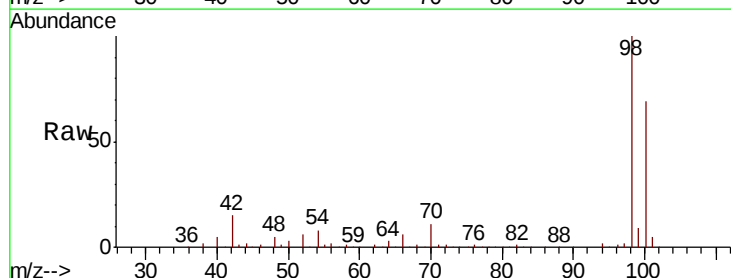
Acq: 9 Nov 2018 21:20

Tgt Ion: 43 Resp: 10228

Ion Ratio Lower Upper

43 100

58 151.8 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.46

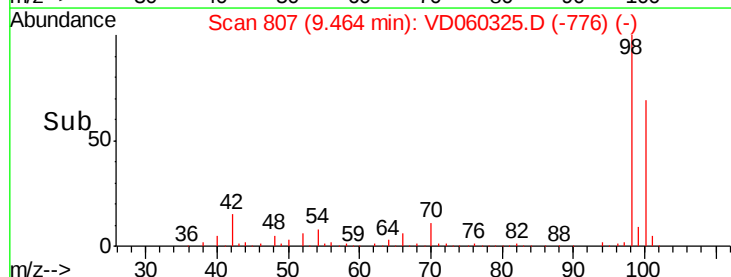
6000

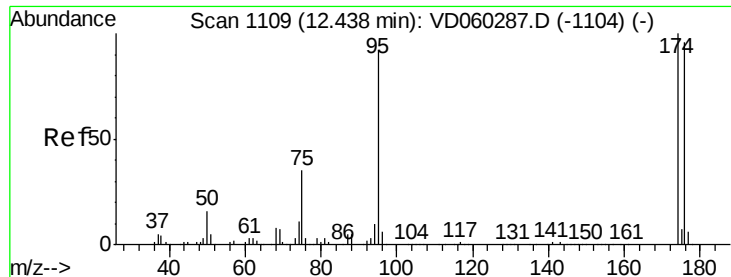
4000

2000

0

Time--> 9.40 9.45 9.50

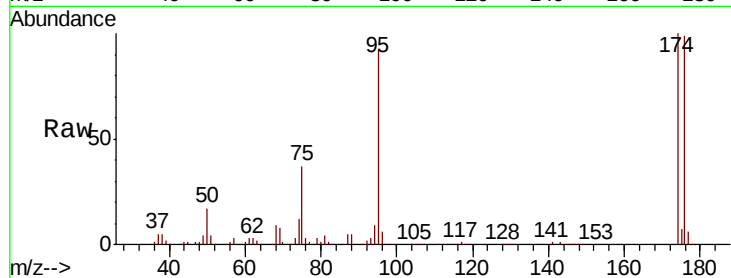




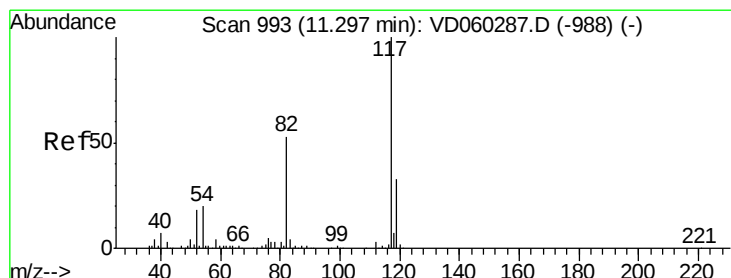
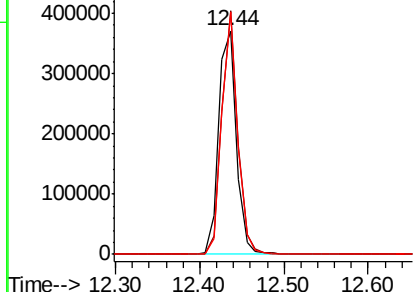
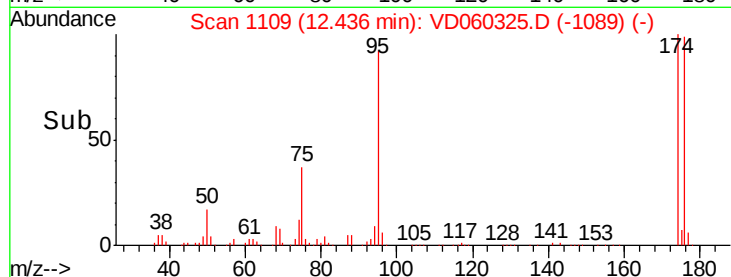
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.44 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VD060325.D
Acq: 9 Nov 2018 21:20

Instrument :
MSVOA_D
ClientSampled :
W-2

Tgt Ion: 95 Resp: 545258
Ion Ratio Lower Upper
95 100
174 108.9 0.0 160.8
176 108.1 0.0 154.6

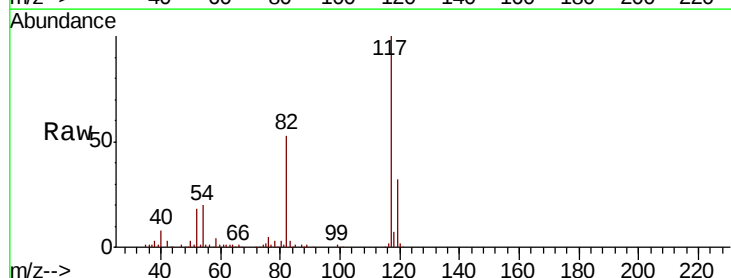


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

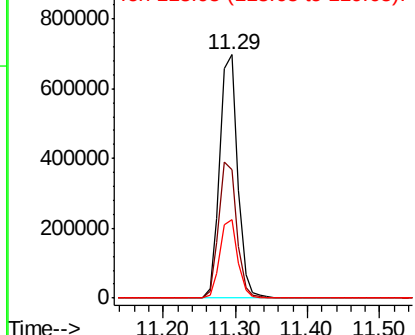
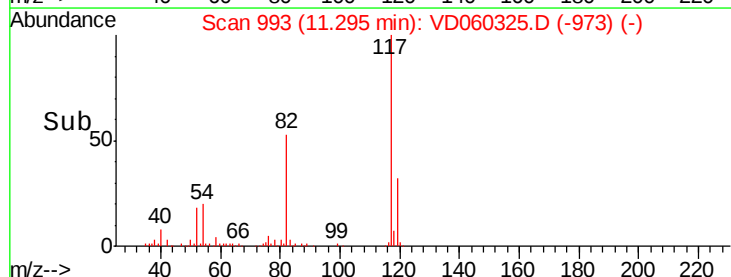


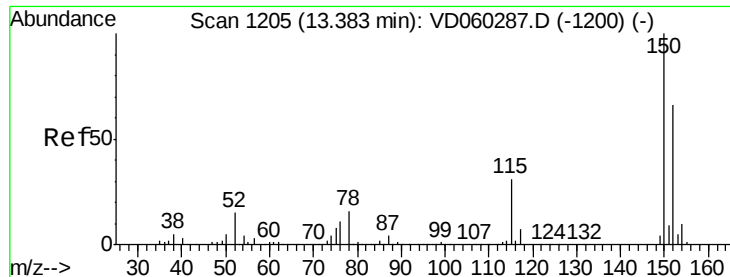
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060325.D
Acq: 9 Nov 2018 21:20

Tgt Ion: 117 Resp: 1195042
Ion Ratio Lower Upper
117 100
82 52.7 43.7 65.5
119 32.5 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# 1205

Delta R.T. -0.00 min

Lab File: VD060325.D

Acq: 9 Nov 2018 21:20

Instrument :

MSVOA_D

ClientSampled :

W-2

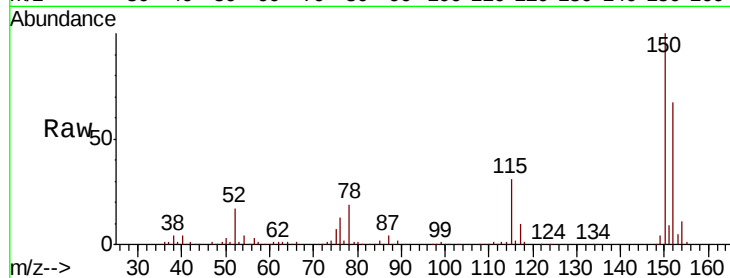
Tgt Ion:152 Resp: 490134

Ion Ratio Lower Upper

152 100

115 45.9 24.1 72.3

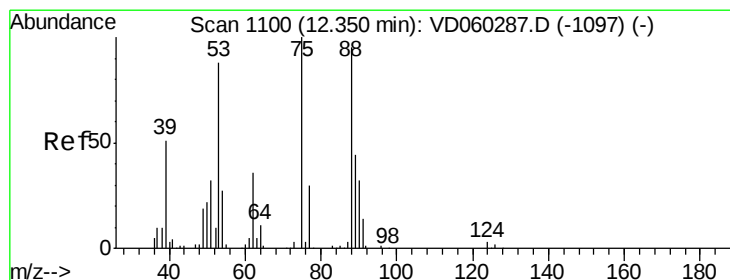
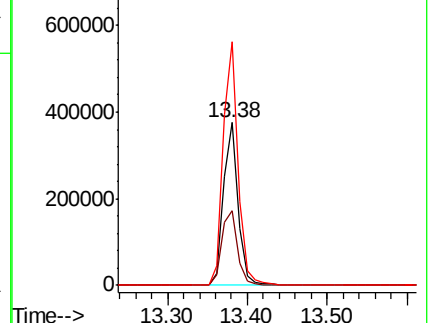
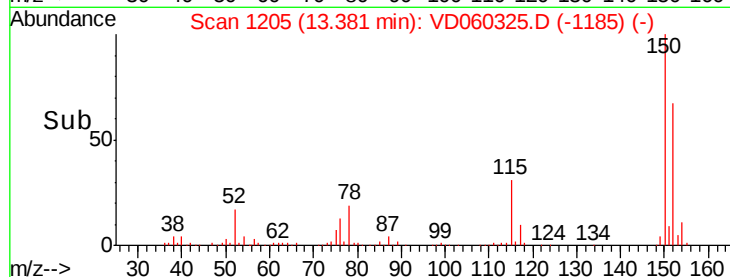
150 149.7 0.0 310.6



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: 138.263 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.09 min

Lab File: VD060325.D

Acq: 9 Nov 2018 21:20

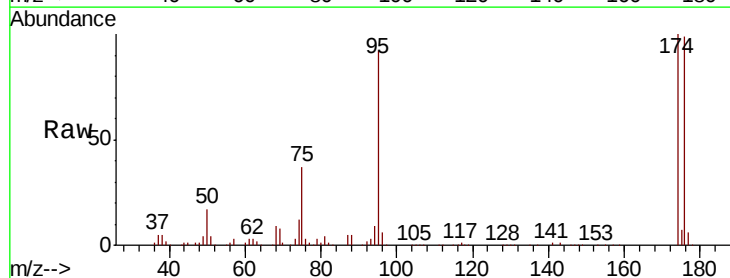
Tgt Ion: 75 Resp: 230792

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

