

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110918\
 Data File : VD060323.D
 Acq On : 9 Nov 2018 20:24
 Operator : VA/AP
 Sample : J5887-03RE
 Misc : 5.03g/5ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 W-1-SRE

Quant Time: Nov 12 01:36:52 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	1323077	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	1938526	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.29	117	1505304	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	741219	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	591716	62.46	ug/l	0.00
Spiked Amount			Recovery	=	124.92%	
35) Dibromofluoromethane	6.34	113	770188	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
50) Toluene-d8	9.47	98	2103457	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.43	95	742332	48.42	ug/l	-0.01
Spiked Amount			Recovery	=	96.84%	

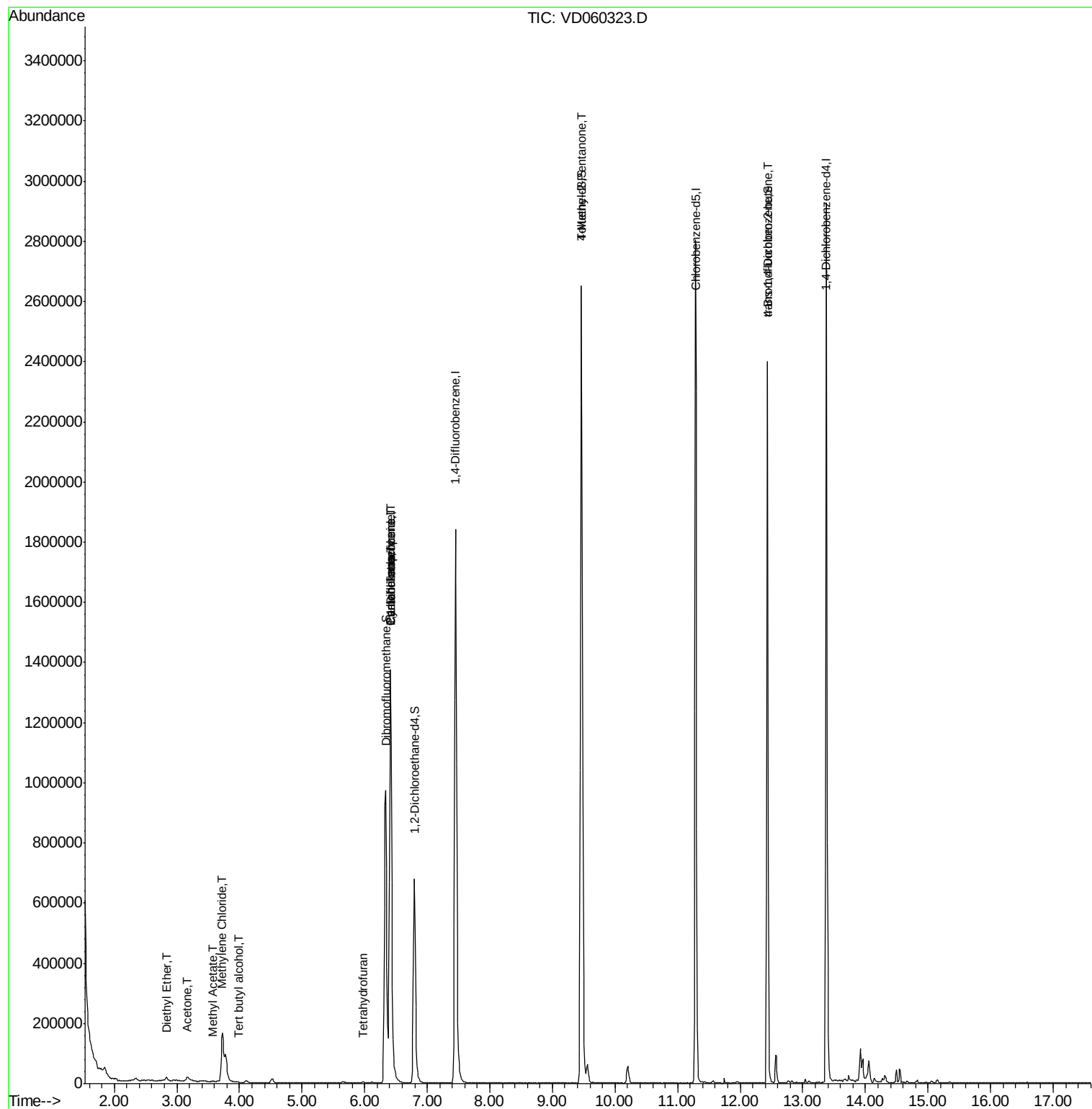
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	1579	Below Cal	#	41
8) Diethyl Ether	2.83	74	3874	1.773	ug/l	74
11) Tert butyl alcohol	3.98	59	553	1.422	ug/l #	70
16) Acetone	3.17	43	31057	18.900	ug/l #	88
18) Methyl Acetate	3.57	43	3799	1.084	ug/l #	63
20) Methylene Chloride	3.73	84	107828	7.397	ug/l	97
29) Tetrahydrofuran	5.97	42	2667	1.481	ug/l #	57
31) Cyclohexane	6.41	56	24211	1.070	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	96670	5.048	ug/l #	46
38) Carbon Tetrachloride	6.41	117	105268	5.925	ug/l #	15
51) 4-Methyl-2-Pentanone	9.47	43	10926	1.516	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.43	75	308457	122.193	ug/l #	15
89) n-Butylbenzene	13.66	91	778	Below Cal	#	29

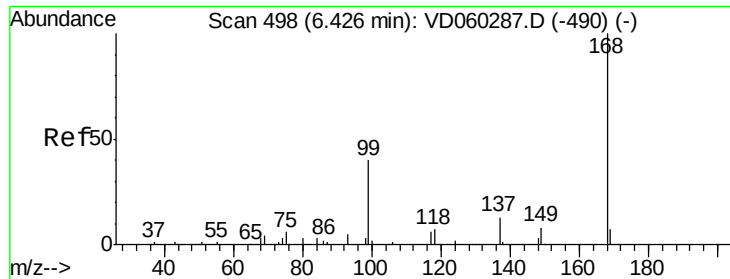
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD110918\
Data File : VD060323.D
Acq On : 9 Nov 2018 20:24
Operator : VA/AP
Sample : J5887-03RE
Misc : 5.03g/5ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
W-1-SRE

Quant Time: Nov 12 01:36:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
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: VD060323.D

Acq: 9 Nov 2018 20:24

Instrument :

MSVOA_D

ClientSampleId :

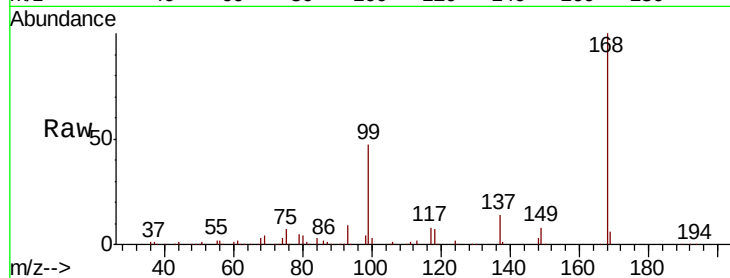
W-1-SRE

Tgt Ion:168 Resp: 1323077

Ion Ratio Lower Upper

168 100

99 47.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

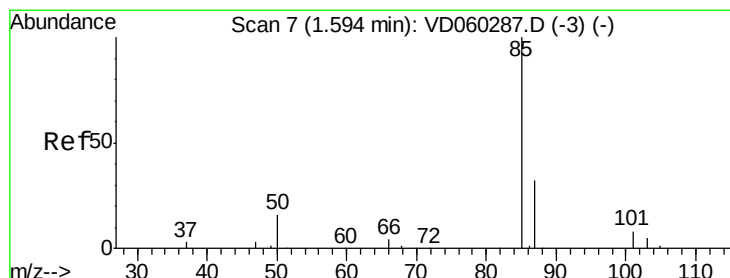
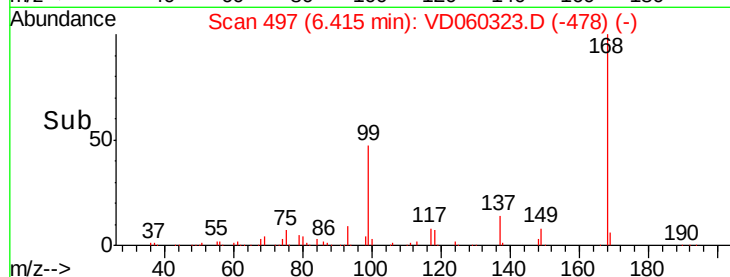
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060323.D

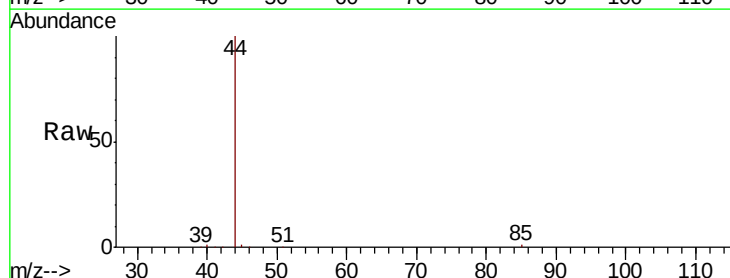
Acq: 9 Nov 2018 20:24

Tgt Ion: 85 Resp: 1579

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

1.59

1200

1000

800

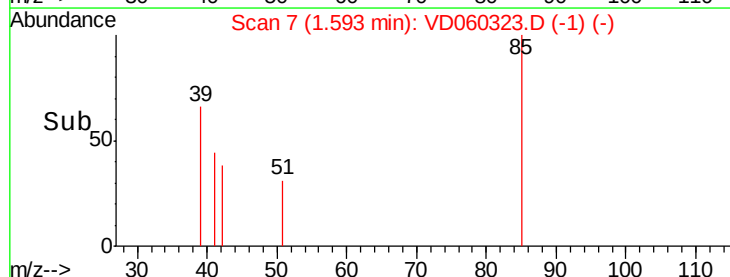
600

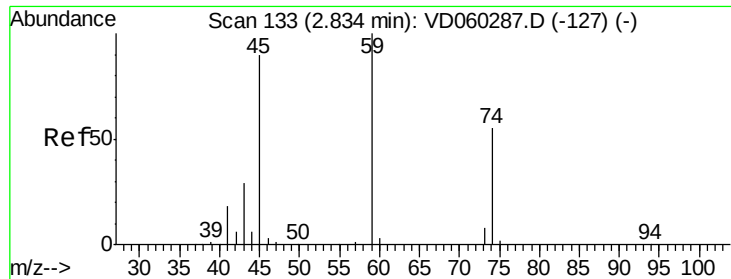
400

200

0

Time-->





#8

Diethyl Ether

Concen: 1.773 ug/l

RT: 2.83 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD060323.D

Acq: 9 Nov 2018 20:24

Instrument :

MSVOA_D

ClientSampleId :

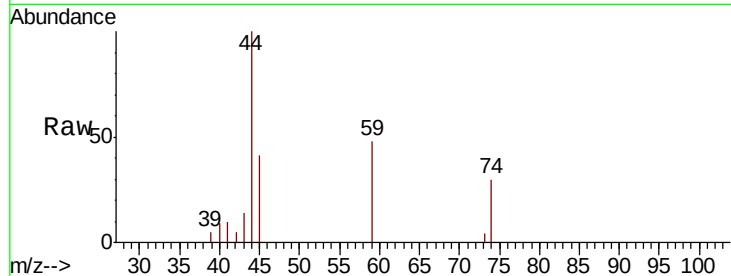
W-1-SRE

Tgt Ion: 74 Resp: 3874

Ion Ratio Lower Upper

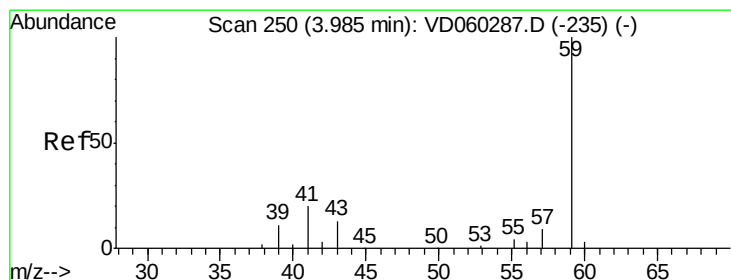
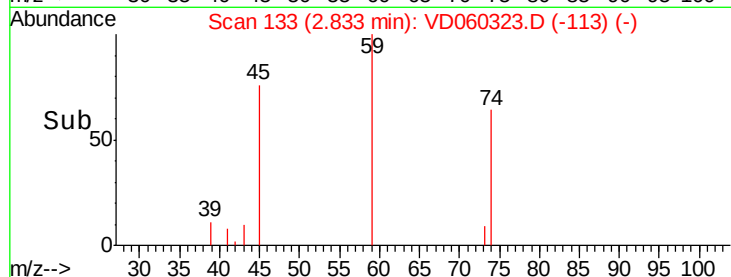
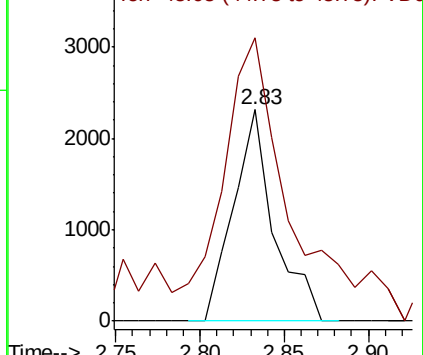
74 100

45 133.9 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#11

Tert butyl alcohol

Concen: 1.422 ug/l

RT: 3.98 min Scan# 250

Delta R.T. -0.00 min

Lab File: VD060323.D

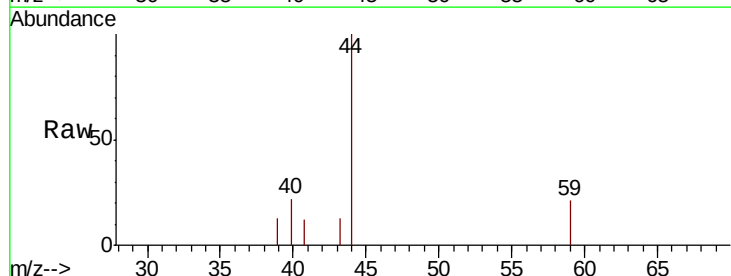
Acq: 9 Nov 2018 20:24

Tgt Ion: 59 Resp: 553

Ion Ratio Lower Upper

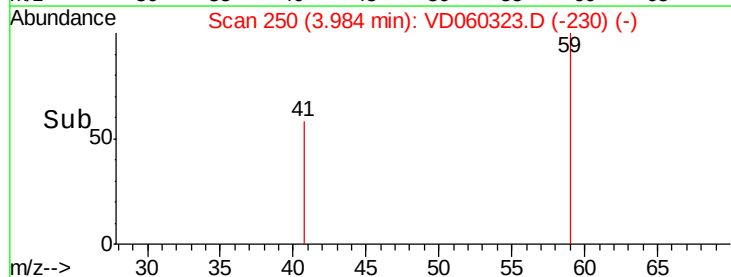
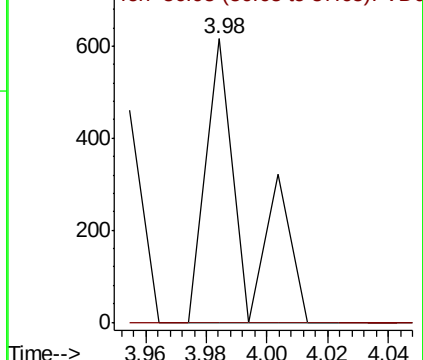
59 100

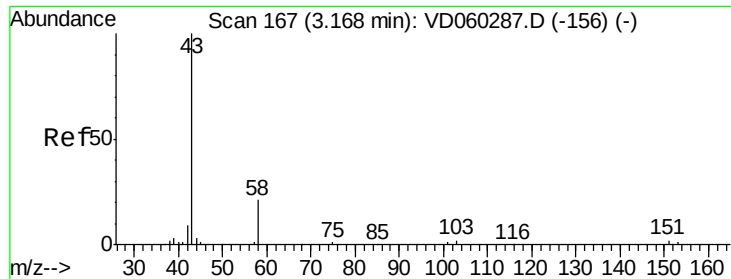
57 0.0 9.3 13.9#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 18.900 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060323.D

Acq: 9 Nov 2018 20:24

Instrument :

MSVOA_D

ClientSampleId :

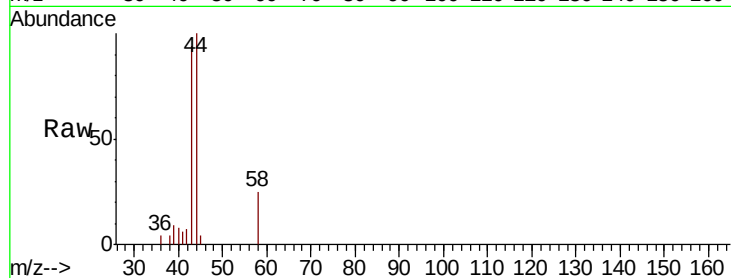
W-1-SRE

Tgt Ion: 43 Resp: 31057

Ion Ratio Lower Upper

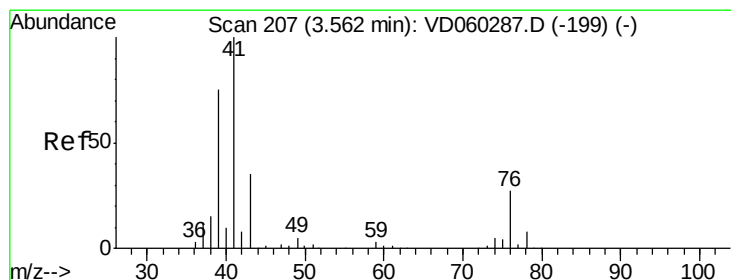
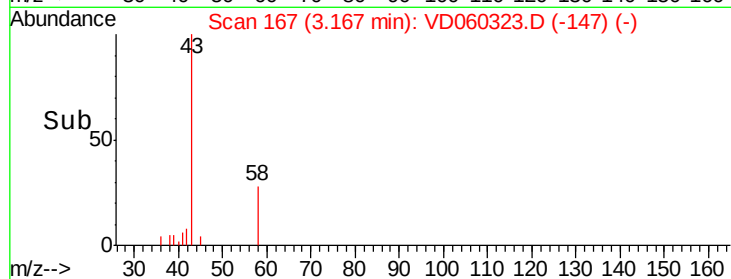
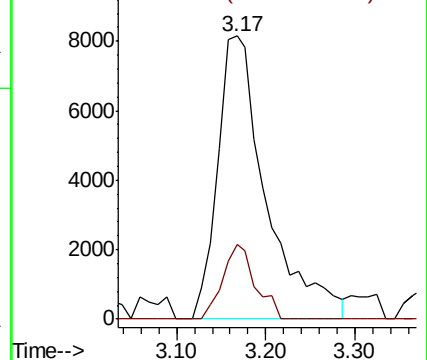
43 100

58 26.5 16.9 25.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.084 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.01 min

Lab File: VD060323.D

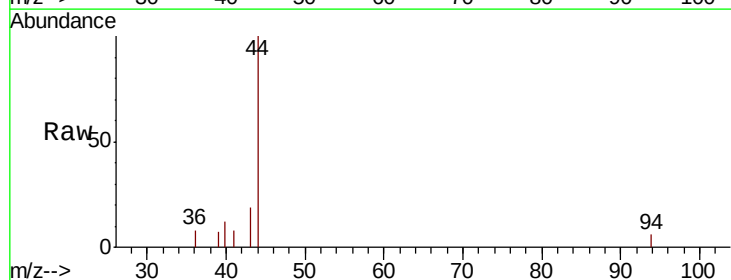
Acq: 9 Nov 2018 20:24

Tgt Ion: 43 Resp: 3799

Ion Ratio Lower Upper

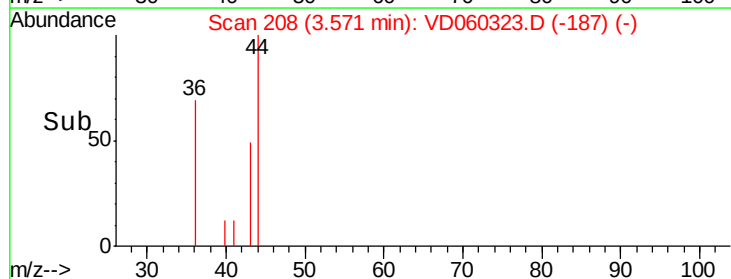
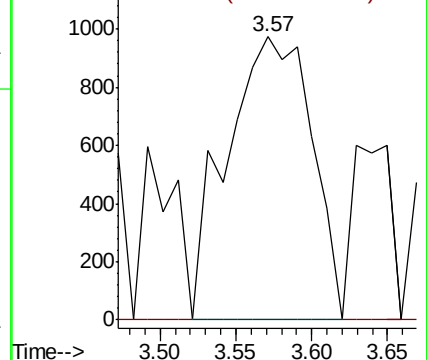
43 100

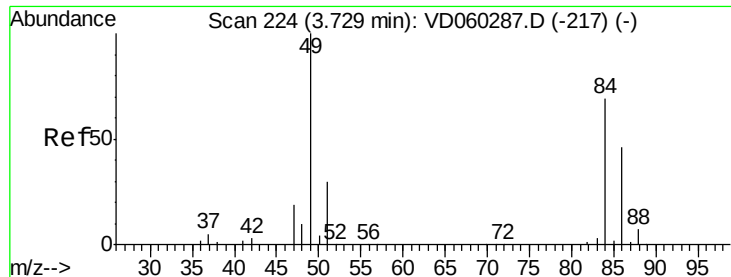
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

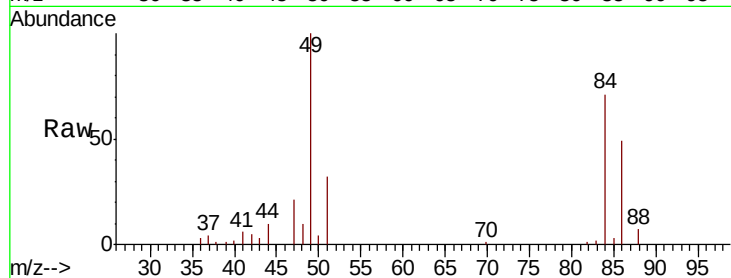




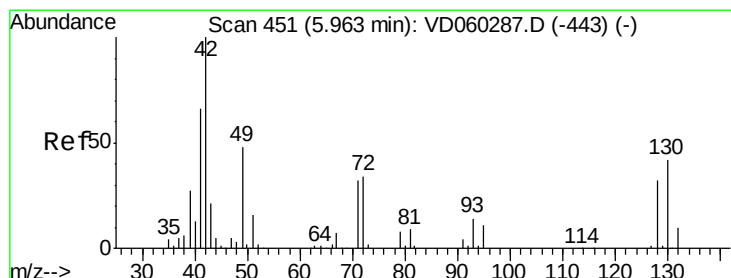
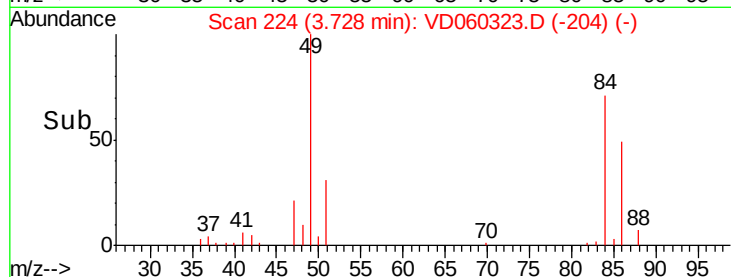
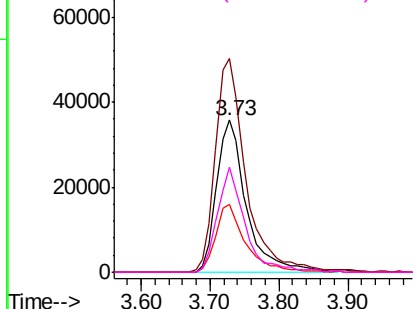
#20
Methylene Chloride
Concen: 7.397 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060323.D
Acq: 9 Nov 2018 20:24

Instrument :
MSVOA_D
ClientSampleId :
W-1-SRE

Tgt Ion:	84	Resp:	107828
Ion	Ratio	Lower	Upper
84	100		
49	140.6	115.6	173.4
51	44.3	35.6	53.4
86	69.6	52.3	78.5

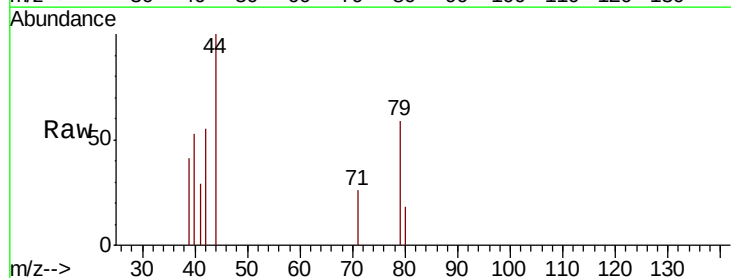


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

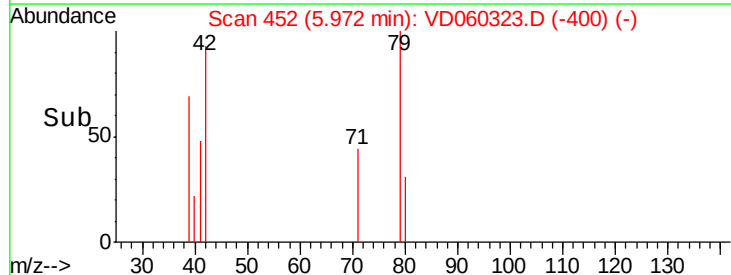
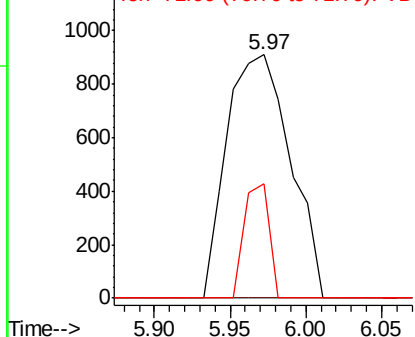


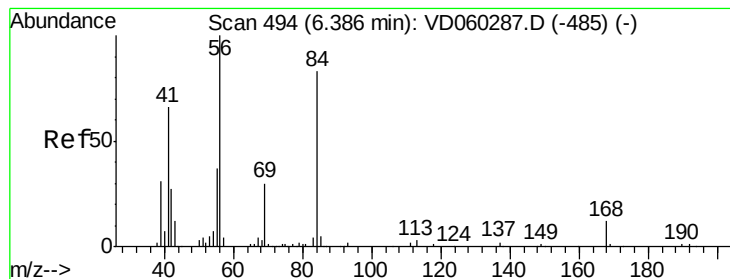
#29
Tetrahydrofuran
Concen: 1.481 ug/l
RT: 5.97 min Scan# 452
Delta R.T. 0.01 min
Lab File: VD060323.D
Acq: 9 Nov 2018 20:24

Tgt Ion:	42	Resp:	2667
Ion	Ratio	Lower	Upper
42	100		
72	0.0	27.6	41.4#
71	18.2	26.5	39.7#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.070 ug/l

RT: 6.41 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060323.D

Acq: 9 Nov 2018 20:24

Instrument :

MSVOA_D

ClientSampleId :

W-1-SRE

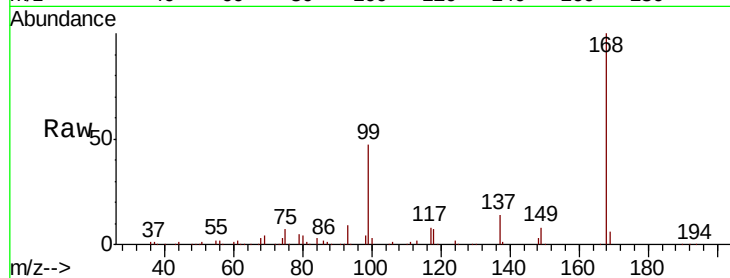
Tgt Ion: 56 Resp: 24211

Ion Ratio Lower Upper

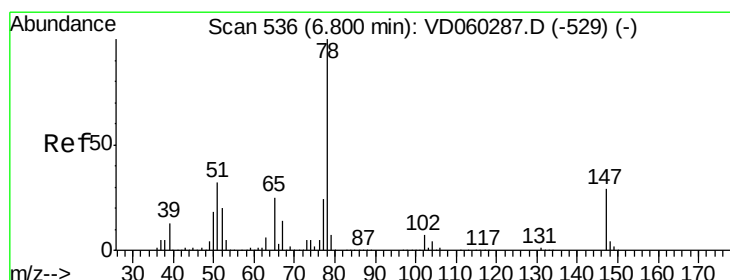
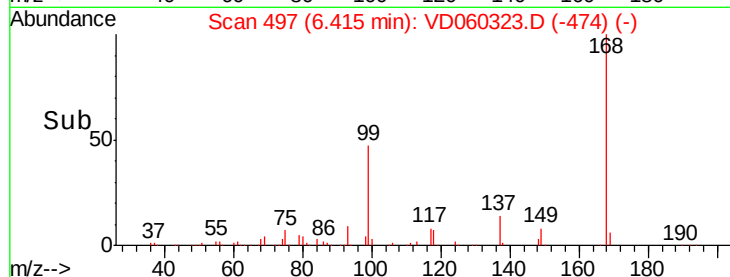
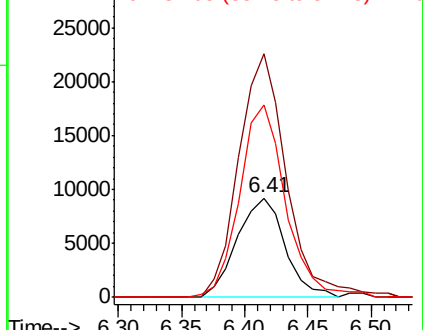
56 100

69 246.0 22.2 33.2#

84 194.3 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: VD060323.D

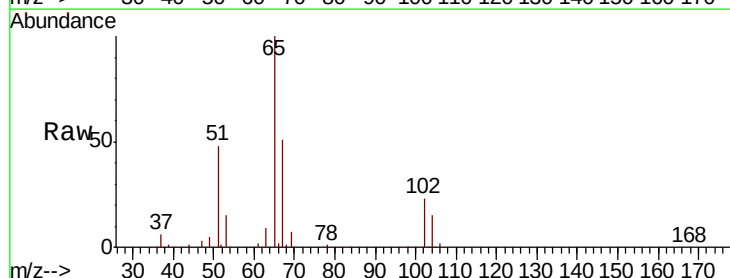
Acq: 9 Nov 2018 20:24

Tgt Ion: 65 Resp: 591716

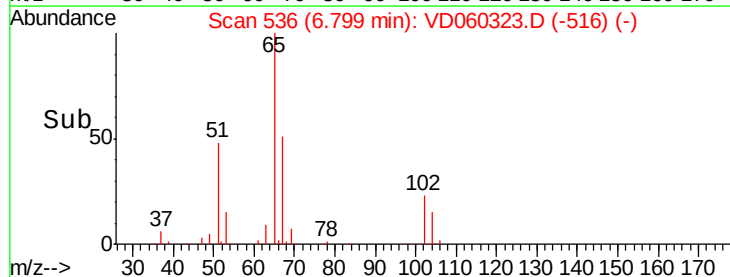
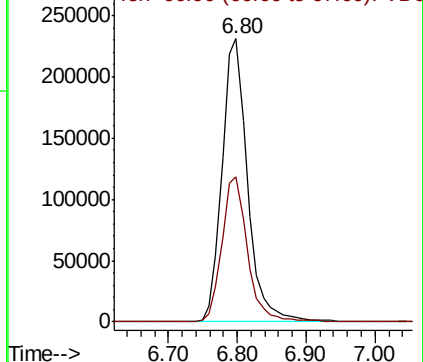
Ion Ratio Lower Upper

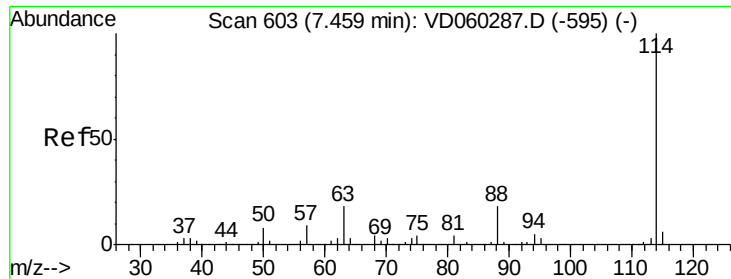
65 100

67 51.4 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: VD060323.D

Acq: 9 Nov 2018 20:24

Instrument :

MSVOA_D

ClientSampled :

W-1-SRE

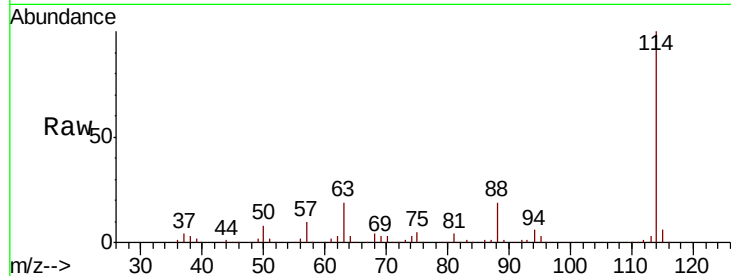
Tgt Ion:114 Resp: 1938526

Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.0

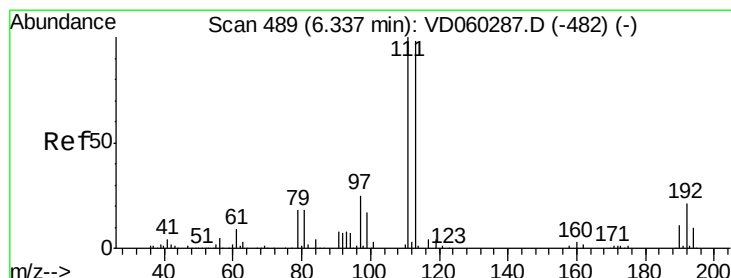
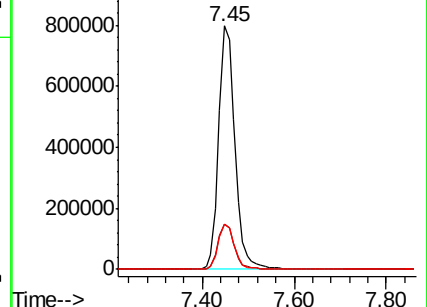
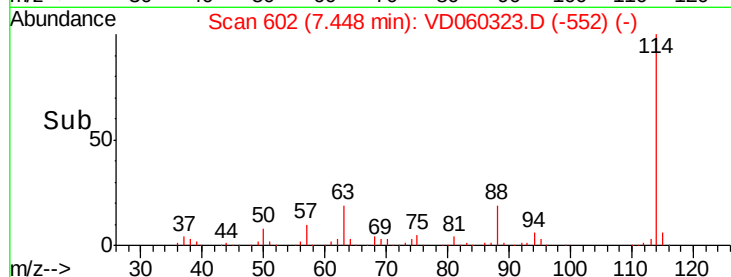
88 18.6 0.0 35.4



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: 6.34 min Scan# 489

Delta R.T. -0.00 min

Lab File: VD060323.D

Acq: 9 Nov 2018 20:24

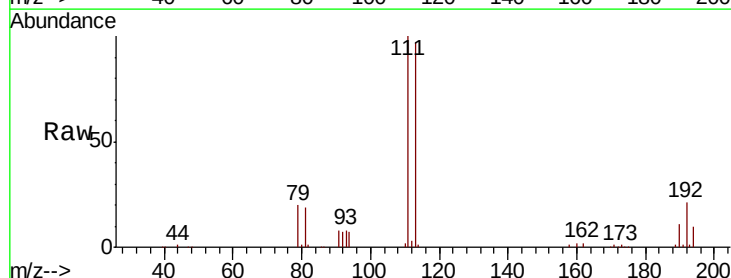
Tgt Ion:113 Resp: 770188

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

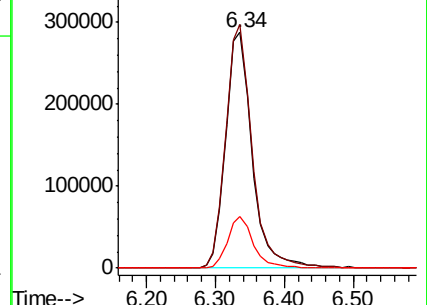
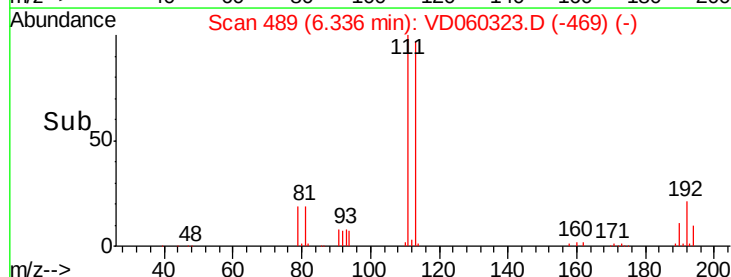
192 21.9 16.5 24.7

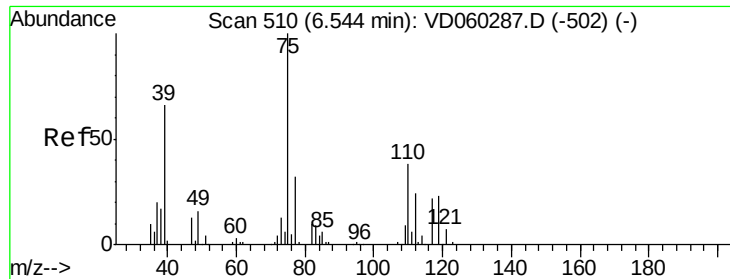


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

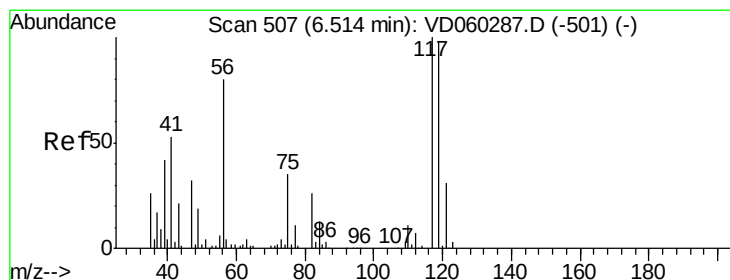
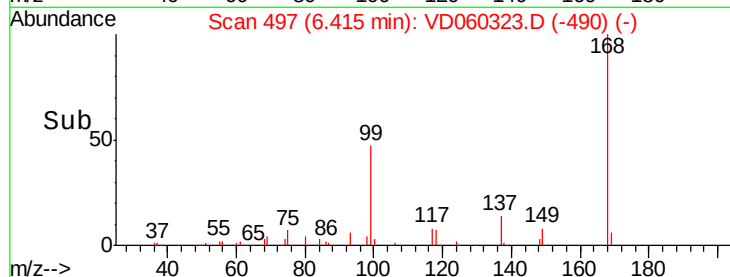
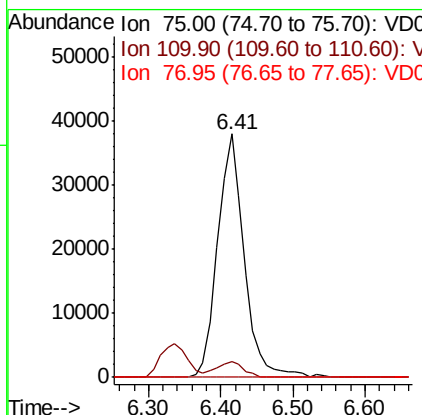
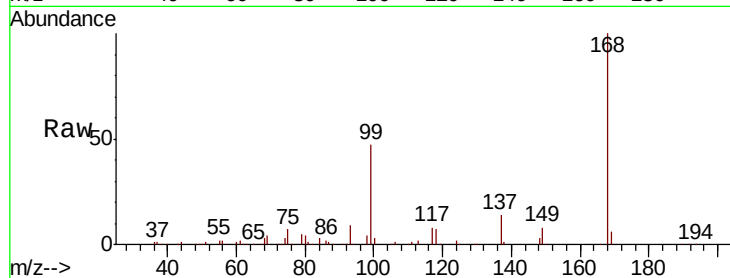




#36
 1,1-Dichloropropene
 Concen: 5.048 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.13 min
 Lab File: VD060323.D
 Acq: 9 Nov 2018 20:24

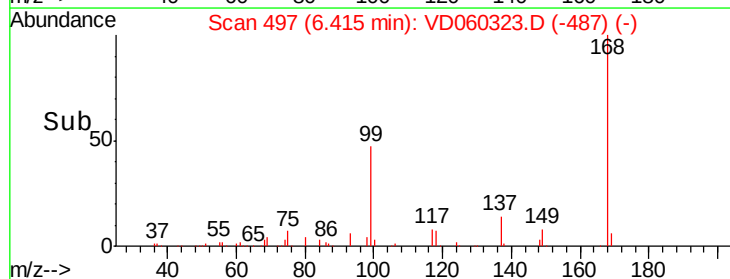
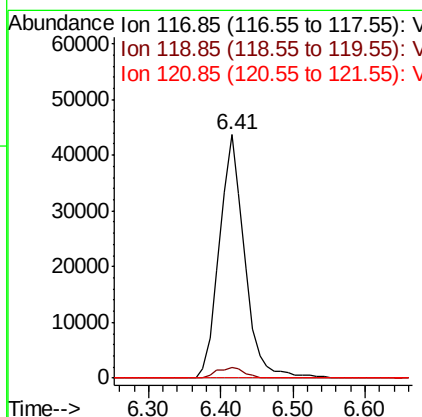
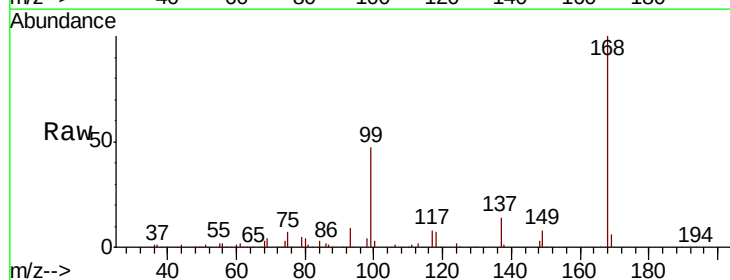
Instrument :
 MSVOA_D
 ClientSampleId :
 W-1-SRE

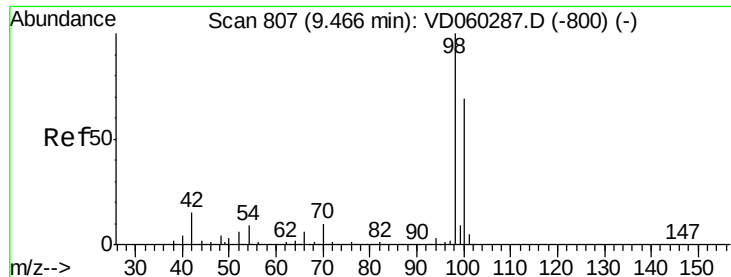
Tgt Ion: 75 Resp: 96670
 Ion Ratio Lower Upper
 75 100
 110 6.4 18.0 54.0#
 77 0.0 25.6 38.4#



#38
 Carbon Tetrachloride
 Concen: 5.925 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.10 min
 Lab File: VD060323.D
 Acq: 9 Nov 2018 20:24

Tgt Ion: 117 Resp: 105268
 Ion Ratio Lower Upper
 117 100
 119 4.4 76.6 115.0#
 121 0.0 24.3 36.5#

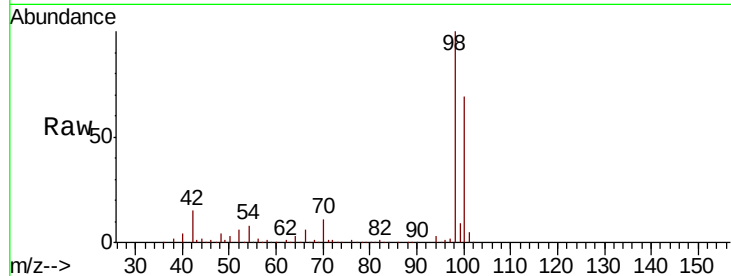




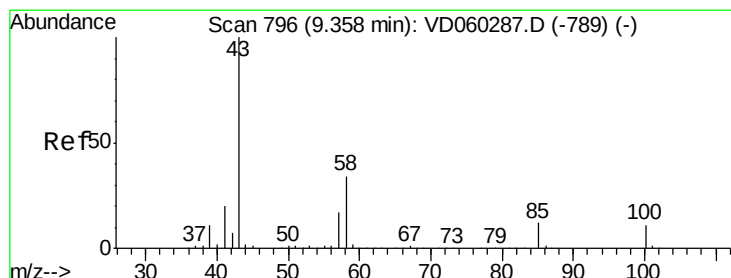
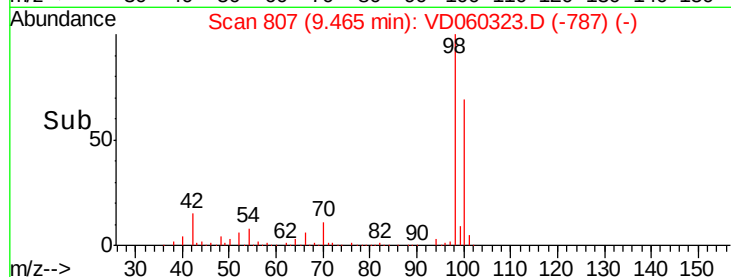
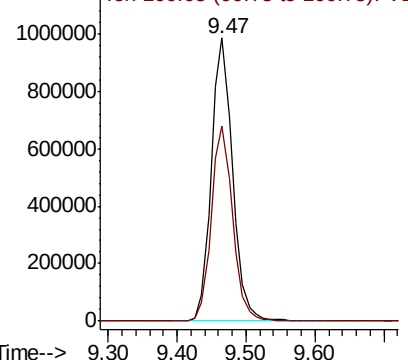
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.47 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060323.D
Acq: 9 Nov 2018 20:24

Instrument :
MSVOA_D
ClientSampleId :
W-1-SRE

Tgt Ion: 98 Resp: 2103457
Ion Ratio Lower Upper
98 100
100 68.7 55.2 82.8

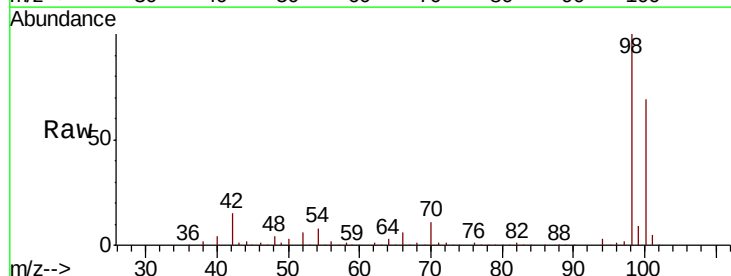


Abundance Ion 98.05 (97.75 to 98.75): VD060323.D (-787) (-)
Ion 100.05 (99.75 to 100.75): VD060323.D (-787) (-)

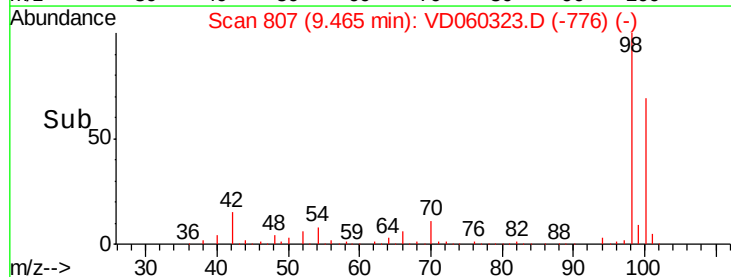
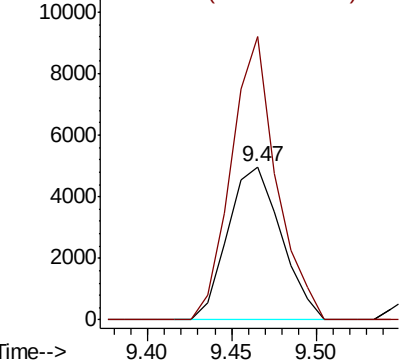


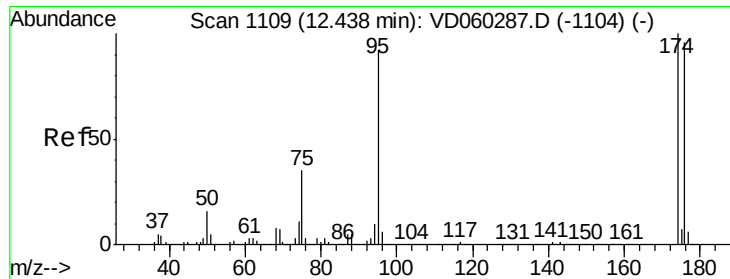
#51
4-Methyl-2-Pentanone
Concen: 1.516 ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.11 min
Lab File: VD060323.D
Acq: 9 Nov 2018 20:24

Tgt Ion: 43 Resp: 10926
Ion Ratio Lower Upper
43 100
58 184.9 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VD060323.D (-776) (-)
Ion 57.95 (57.65 to 58.65): VD060323.D (-776) (-)

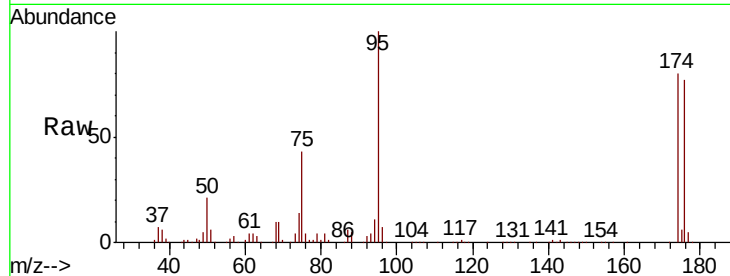




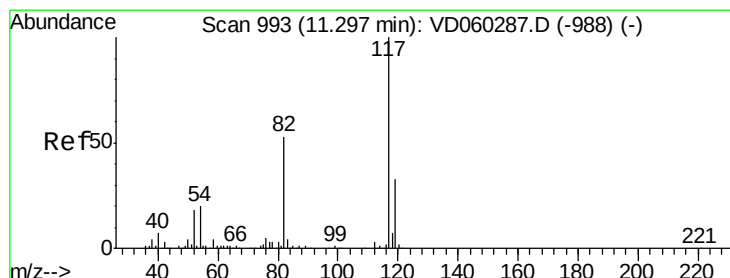
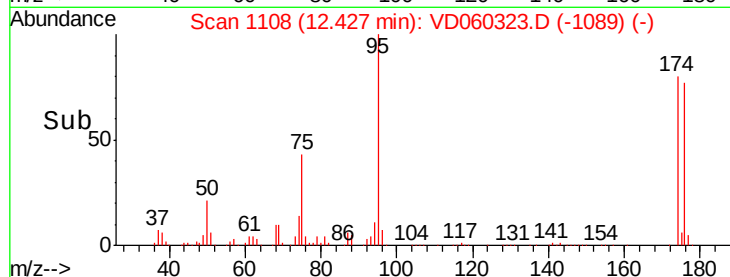
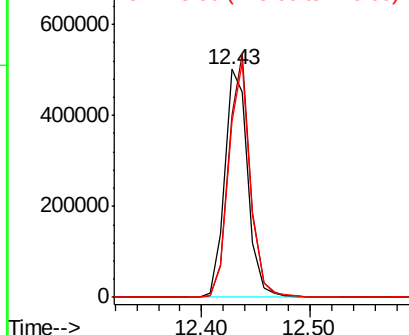
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060323.D
Acq: 9 Nov 2018 20:24

Instrument :
MSVOA_D
ClientSampleId :
W-1-SRE

Tgt Ion: 95 Resp: 742332
Ion Ratio Lower Upper
95 100
174 79.9 0.0 160.8
176 77.2 0.0 154.6

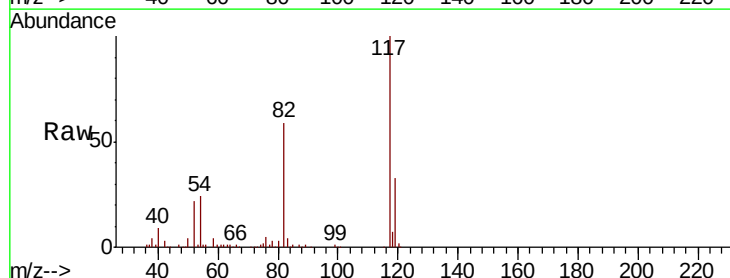


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

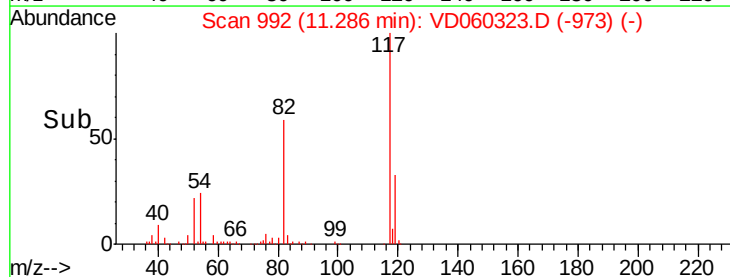
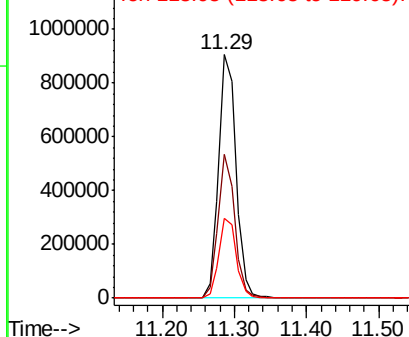


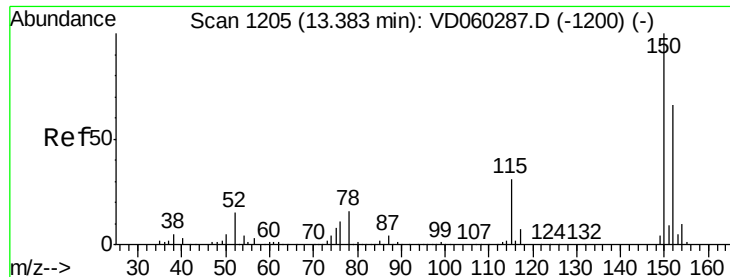
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060323.D
Acq: 9 Nov 2018 20:24

Tgt Ion: 117 Resp: 1505304
Ion Ratio Lower Upper
117 100
82 58.8 43.7 65.5
119 32.6 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: VD060323.D

Acq: 9 Nov 2018 20:24

Instrument :

MSVOA_D

ClientSampleId :

W-1-SRE

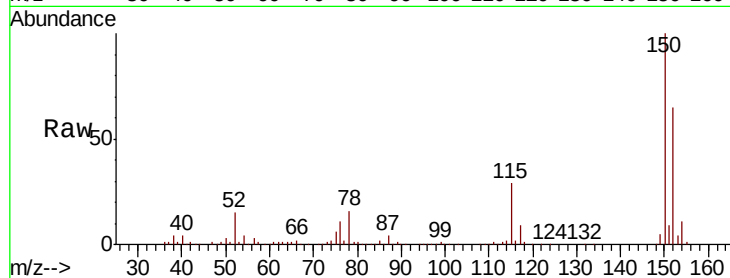
Tgt Ion:152 Resp: 741219

Ion Ratio Lower Upper

152 100

115 45.5 24.1 72.3

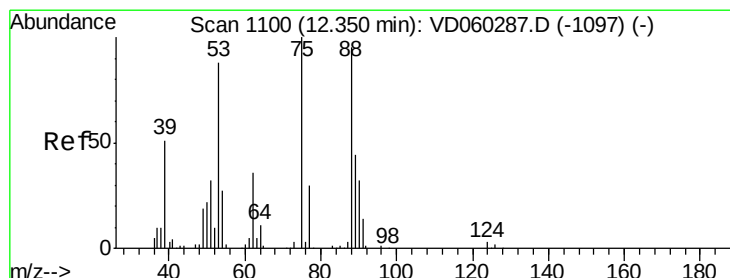
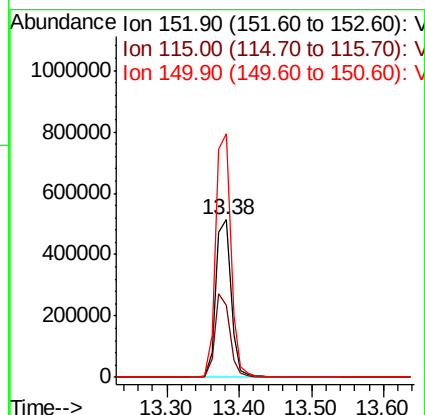
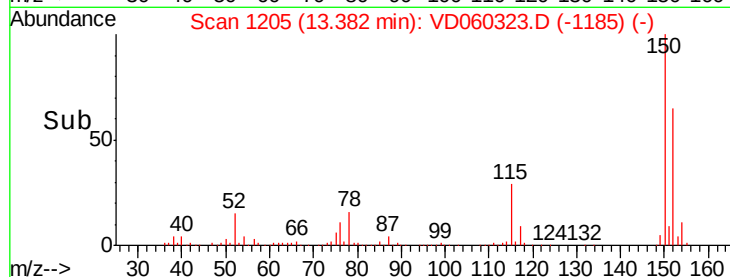
150 154.4 0.0 310.6



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: 122.193 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060323.D

Acq: 9 Nov 2018 20:24

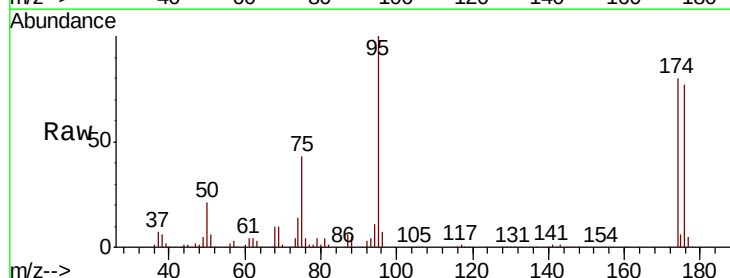
Tgt Ion: 75 Resp: 308457

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

