

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
 Data File : VW011446.D
 Acq On : 23 Jul 2019 22:15
 Operator : SY/VA
 Sample : K3618-07
 Misc : 6.64G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-072219

Quant Time: Jul 24 06:39:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	225936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	378223	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124022	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	147019	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
35) Dibromofluoromethane	7.88	113	116309	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
50) Toluene-d8	10.32	98	459435	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.62	95	148379	44.42	ug/l	0.00
Spiked Amount			Recovery	=	88.84%	

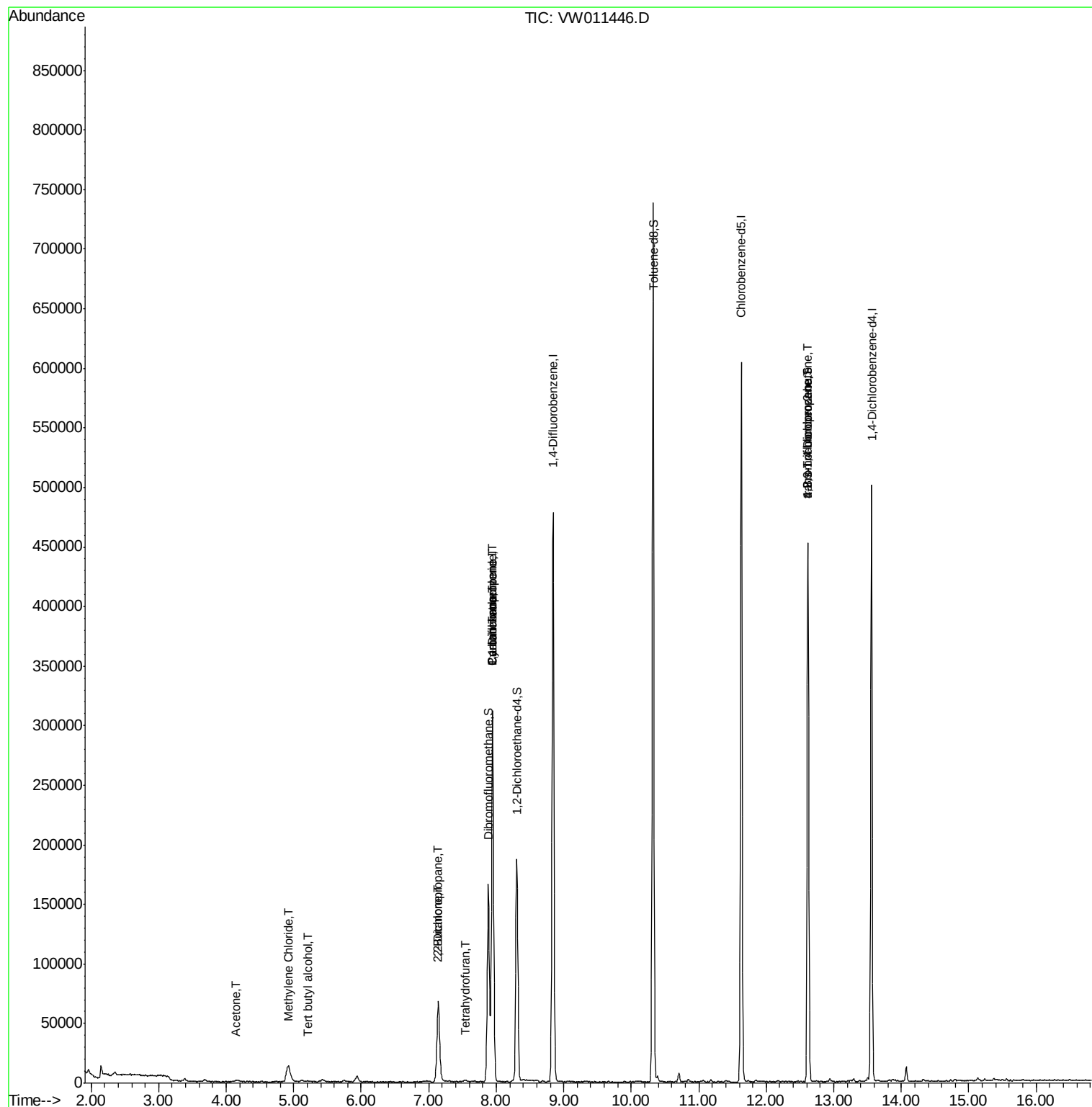
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	1606	7.641	ug/l #	82
16) Acetone	4.14	43	2699	3.951	ug/l #	88
18) Methyl Acetate	4.69	43	385	Below Cal	#	57
20) Methylene Chloride	4.92	84	10958	4.066	ug/l	85
25) 2-Butanone	7.14	43	4517	4.213	ug/l #	78
26) 2,2-Dichloropropane	7.13	77	4680	1.742	ug/l #	53
29) Tetrahydrofuran	7.54	42	1575	2.240	ug/l #	85
31) Cyclohexane	7.95	56	5697	1.036	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19417	4.821	ug/l #	51
38) Carbon Tetrachloride	7.95	117	22666	6.638	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	78585	54.831	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78585	124.016	ug/l #	6

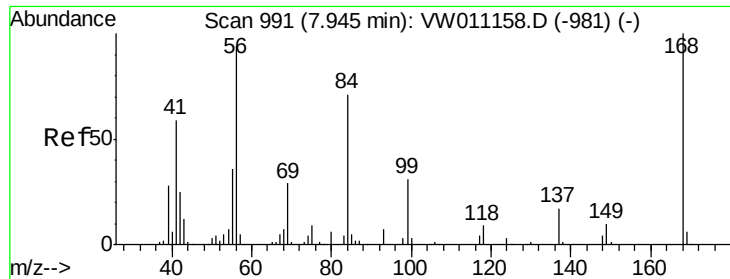
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011446.D

Acq: 23 Jul 2019 22:15

Instrument :

MSVOA_W

ClientSampleId :

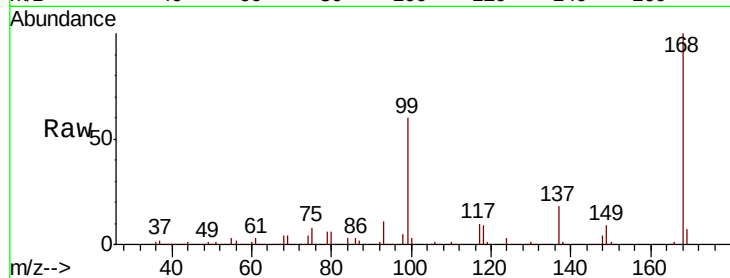
HD-02-072219

Tot Ion:168 Resp: 225936

Ion Ratio Lower Upper

168 100

99 59.9 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

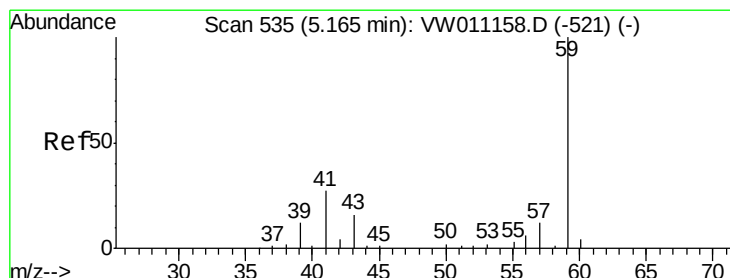
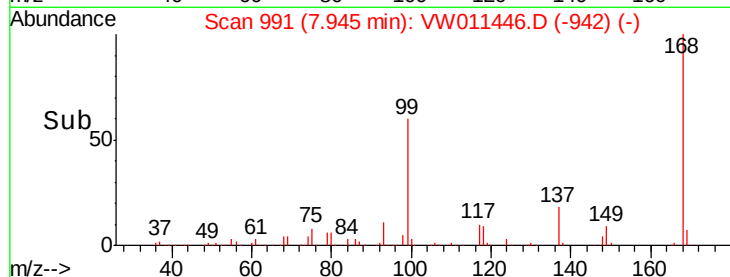
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 7.641 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.04 min

Lab File: VW011446.D

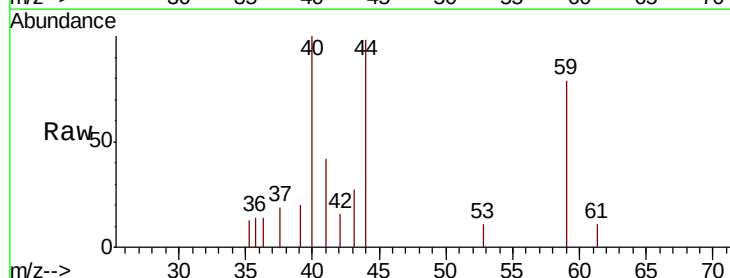
Acq: 23 Jul 2019 22:15

Tgt Ion: 59 Resp: 1606

Ion Ratio Lower Upper

59 100

57 4.2 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

400

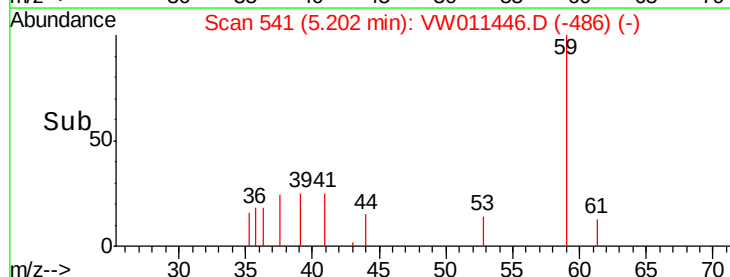
300

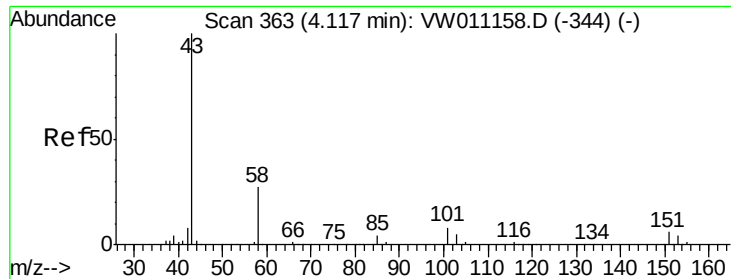
200

100

0

Time--> 5.10 5.15 5.20 5.25





#16

Acetone

Concen: 3.951 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011446.D

Acq: 23 Jul 2019 22:15

Instrument :

MSVOA_W

ClientSampled :

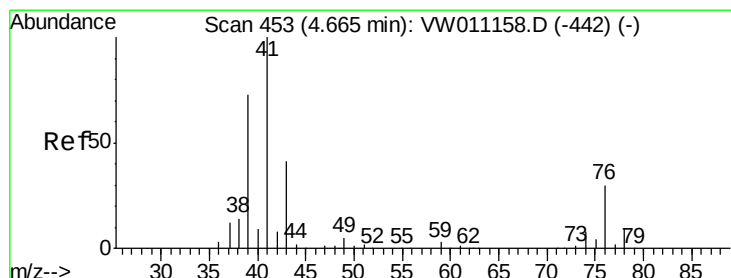
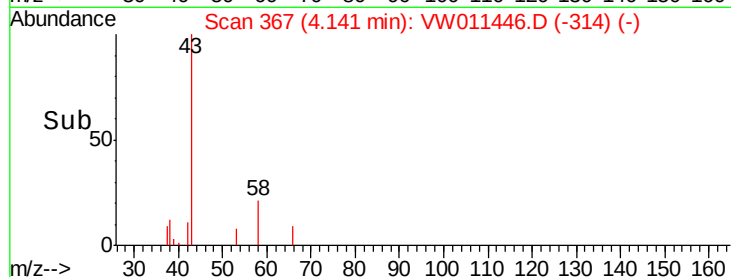
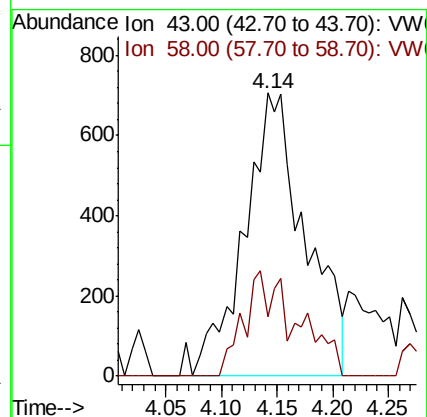
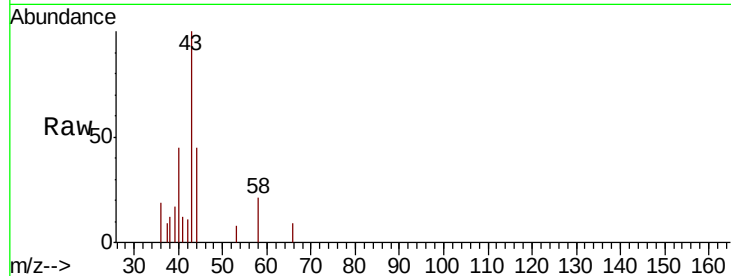
HD-02-072219

Tot Ion: 43 Resp: 2699

Ion Ratio Lower Upper

43 100

58 20.8 21.8 32.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.69 min Scan# 457

Delta R.T. 0.02 min

Lab File: VW011446.D

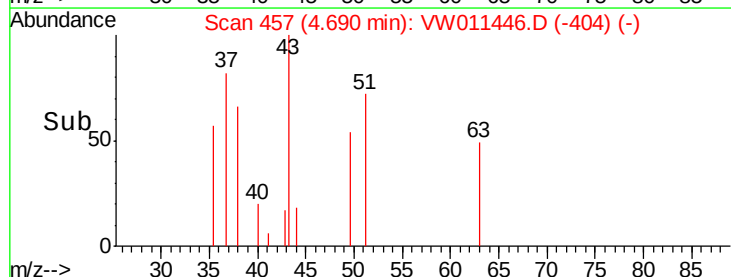
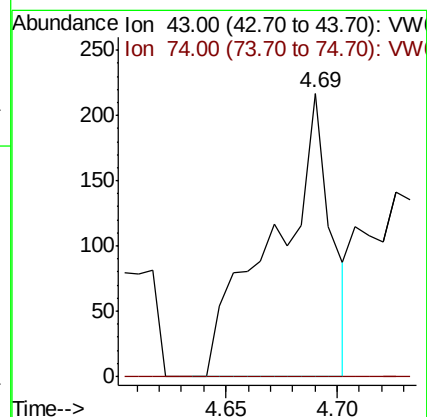
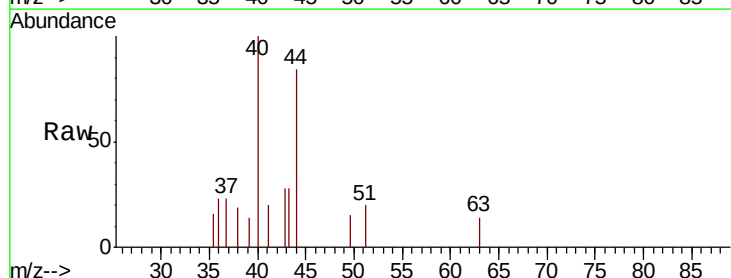
Acq: 23 Jul 2019 22:15

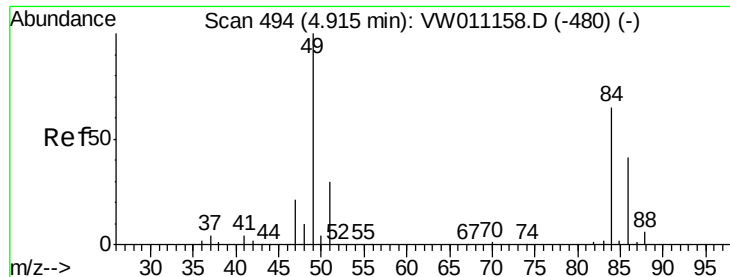
Tgt Ion: 43 Resp: 385

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#

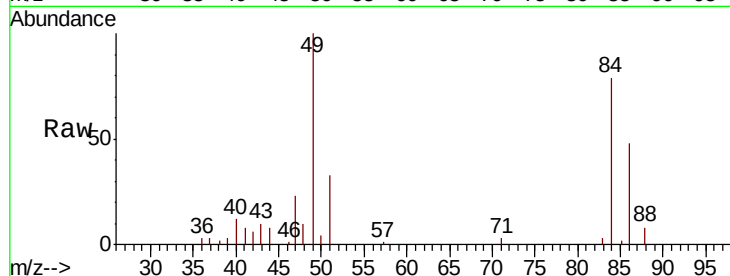




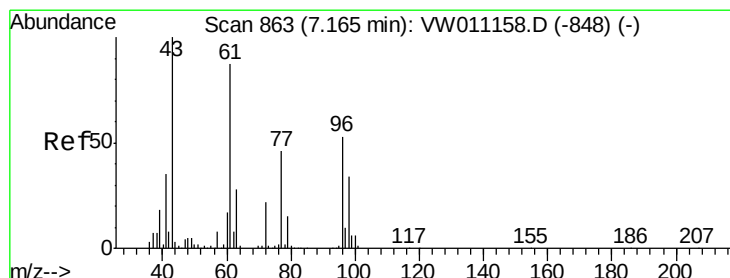
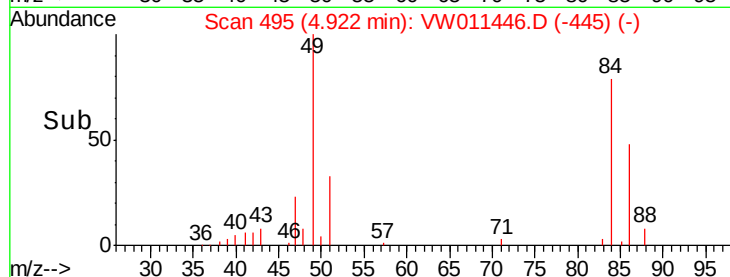
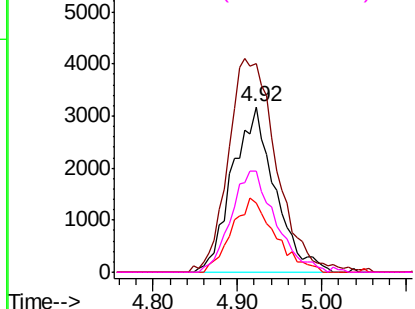
#20
Methylene Chloride
Concen: 4.066 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW011446.D
Acq: 23 Jul 2019 22:15

Instrument :
MSVOA_W
ClientSampleId :
HD-02-072219

Tot Ion: 84 Resp: 10958
Ion Ratio Lower Upper
84 100
49 126.0 123.8 185.6
51 41.6 37.4 56.2
86 61.0 51.1 76.7

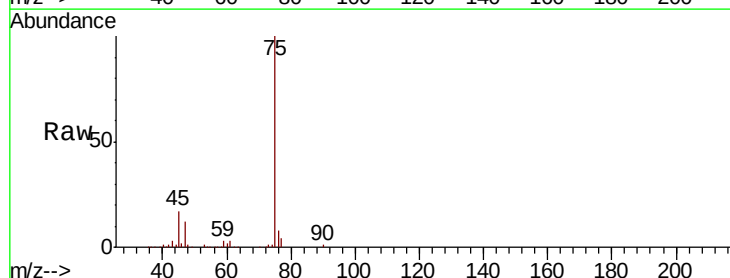


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

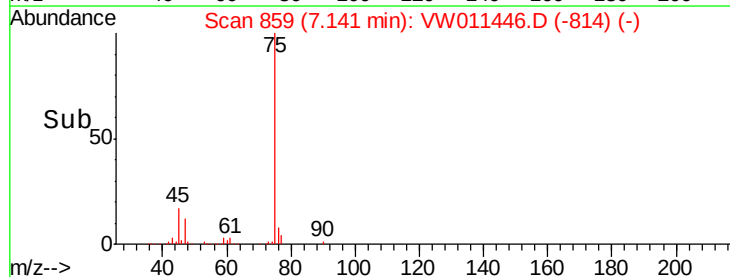
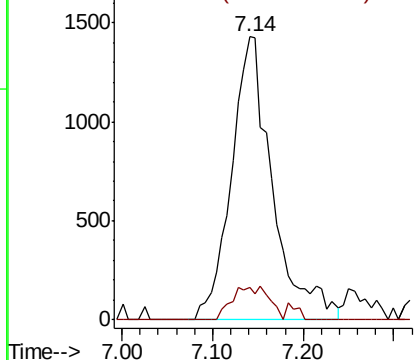


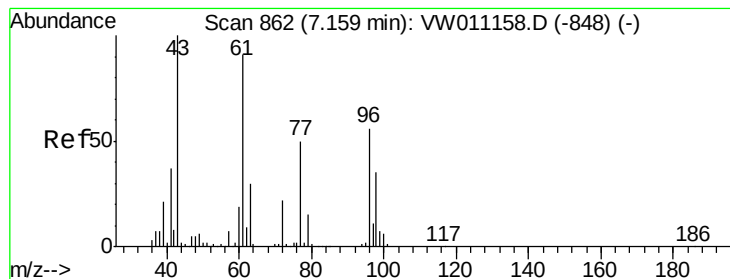
#25
2-Butanone
Concen: 4.213 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011446.D
Acq: 23 Jul 2019 22:15

Tgt Ion: 43 Resp: 4517
Ion Ratio Lower Upper
43 100
72 11.6 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 1.742 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.03 min

Lab File: VW011446.D

Acq: 23 Jul 2019 22:15

Instrument :

MSVOA_W

ClientSampleId :

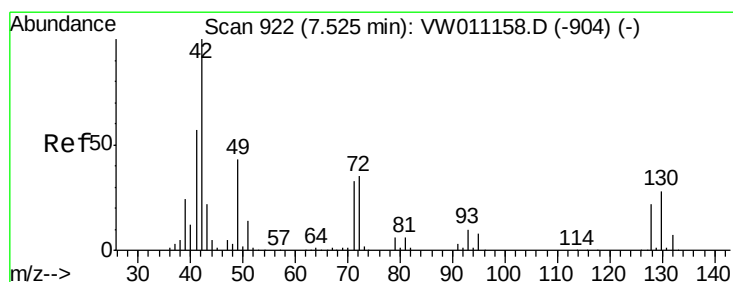
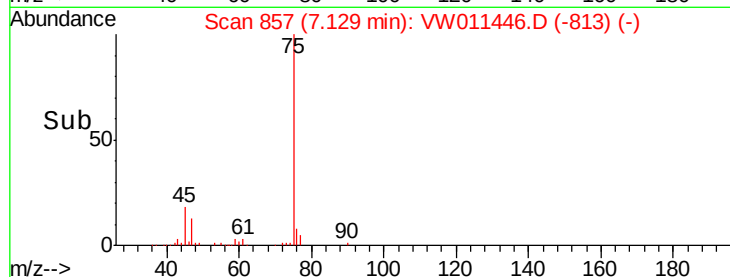
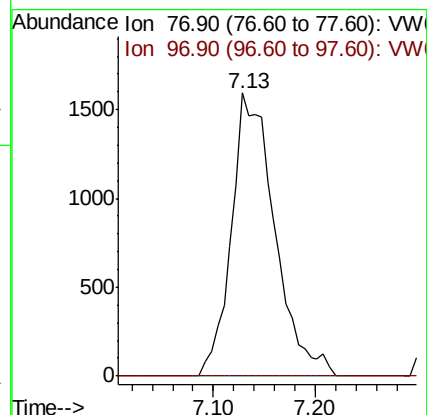
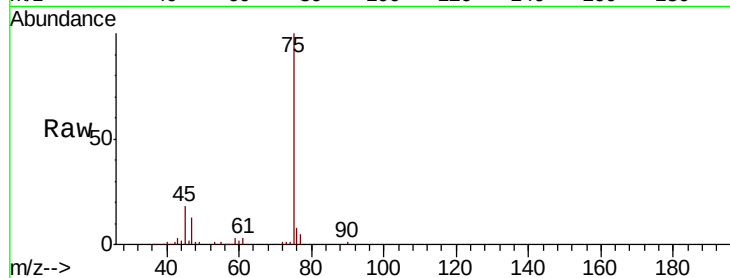
HD-02-072219

Tot Ion: 77 Resp: 4680

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



#29

Tetrahydrofuran

Concen: 2.240 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW011446.D

Acq: 23 Jul 2019 22:15

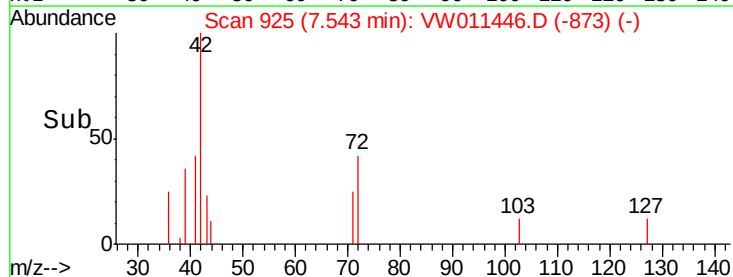
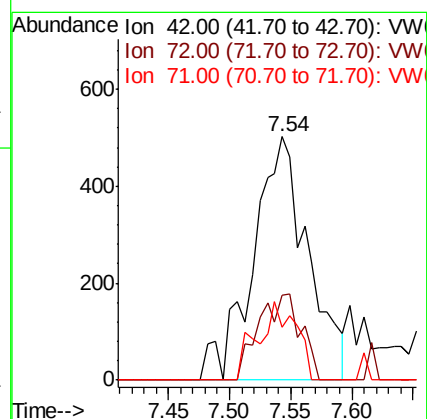
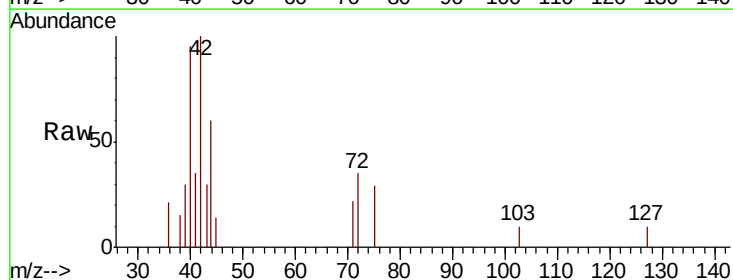
Tgt Ion: 42 Resp: 1575

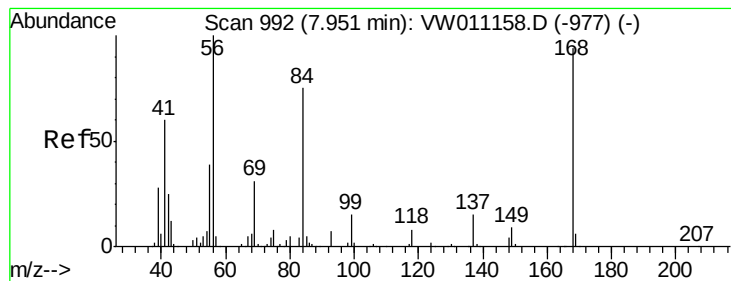
Ion Ratio Lower Upper

42 100

72 27.3 27.4 41.2#

71 22.1 25.9 38.9#





#31

Cyclohexane

Concen: 1.036 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011446.D

Acq: 23 Jul 2019 22:15

Instrument :

MSVOA_W

ClientSampled :

HD-02-072219

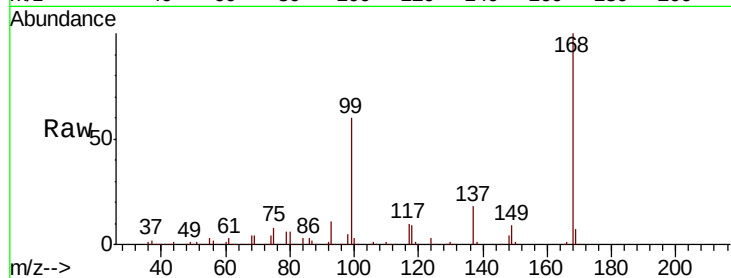
Tot Ion: 56 Resp: 5697

Ion Ratio Lower Upper

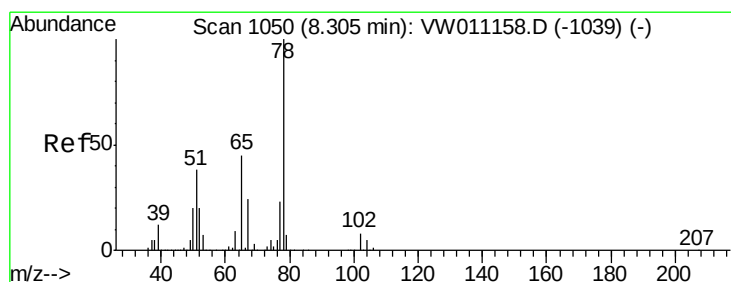
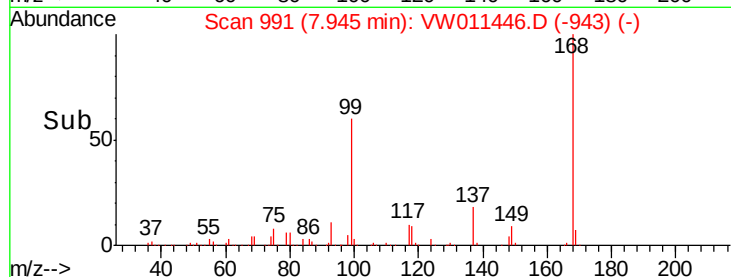
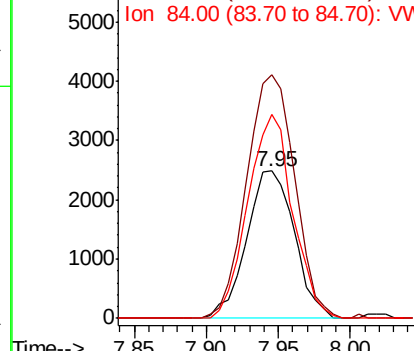
56 100

69 165.1 24.6 36.8#

84 138.7 60.1 90.1#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 51.786 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011446.D

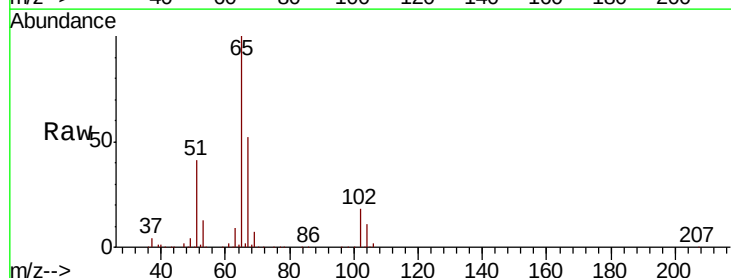
Acq: 23 Jul 2019 22:15

Tgt Ion: 65 Resp: 147019

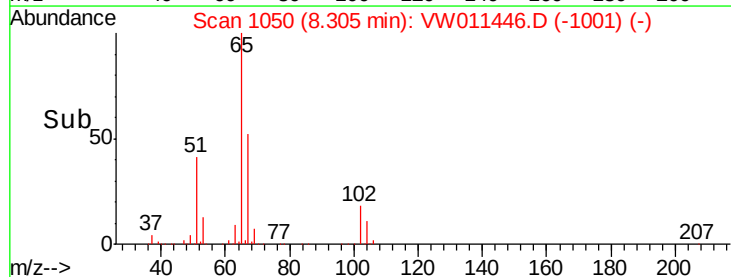
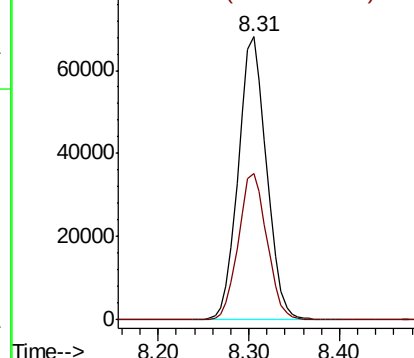
Ion Ratio Lower Upper

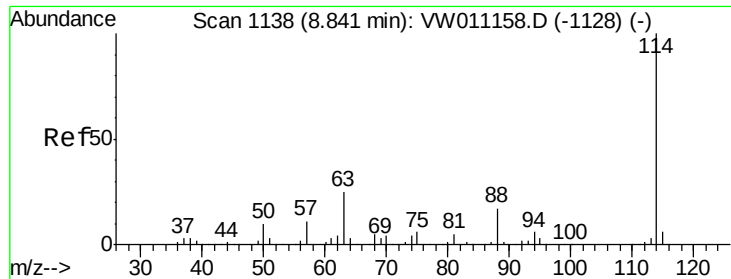
65 100

67 52.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

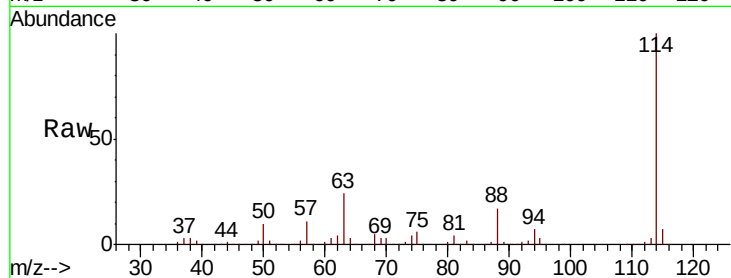




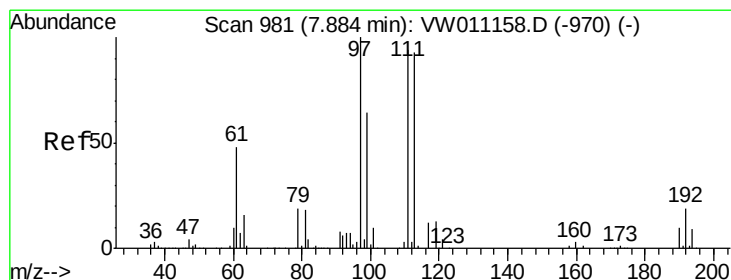
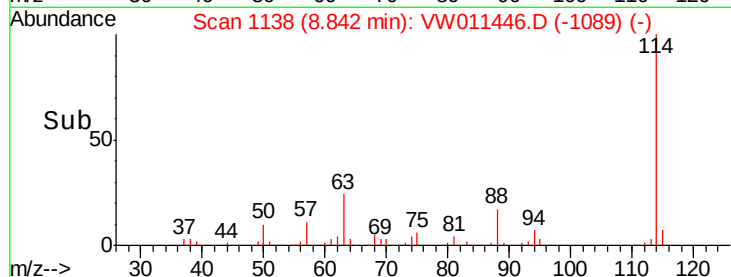
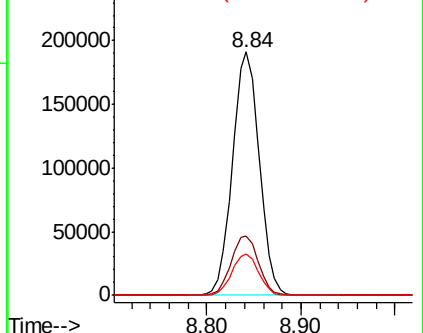
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW011446.D
Acq: 23 Jul 2019 22:15

Instrument :
MSVOA_W
ClientSampleId :
HD-02-072219

Tot Ion:114 Resp: 378223
Ion Ratio Lower Upper
114 100
63 24.1 0.0 50.8
88 17.2 0.0 34.2

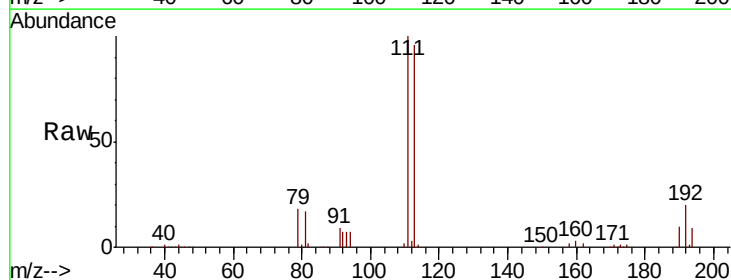


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

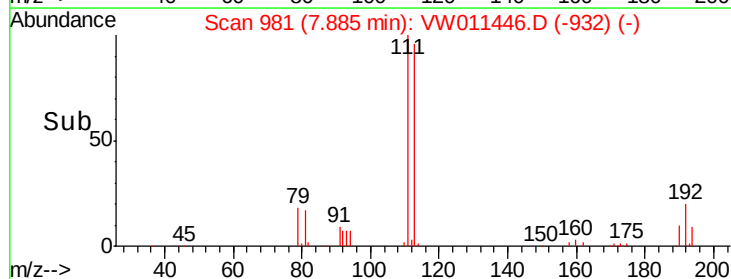
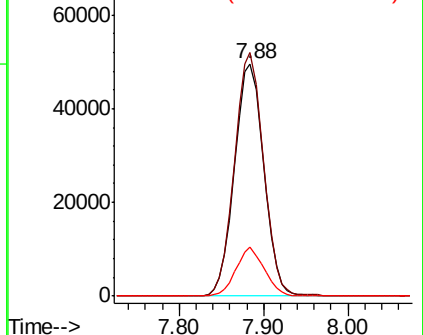


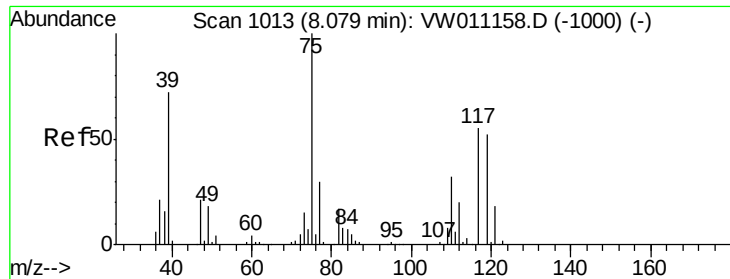
#35
Dibromofluoromethane
Concen: 51.592 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW011446.D
Acq: 23 Jul 2019 22:15

Tgt Ion:113 Resp: 116309
Ion Ratio Lower Upper
113 100
111 103.6 82.4 123.6
192 20.0 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

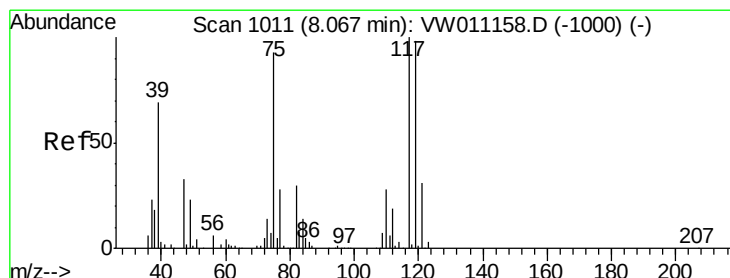
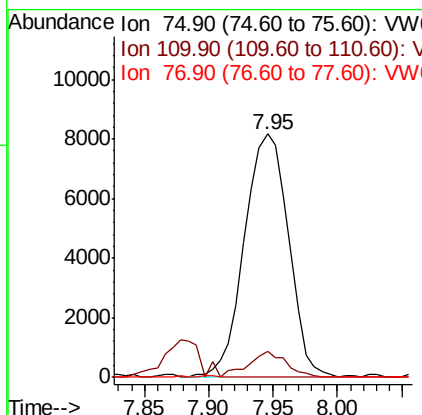
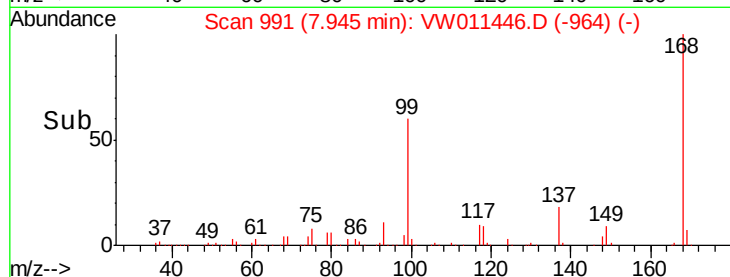
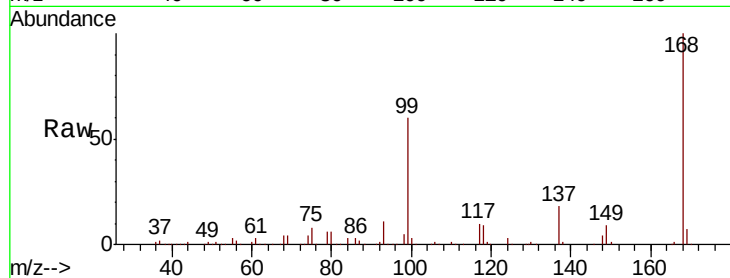




#36
 1,1-Dichloropropene
 Concen: 4.821 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011446.D
 Acq: 23 Jul 2019 22:15

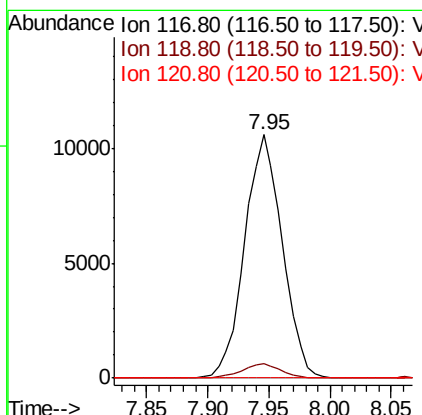
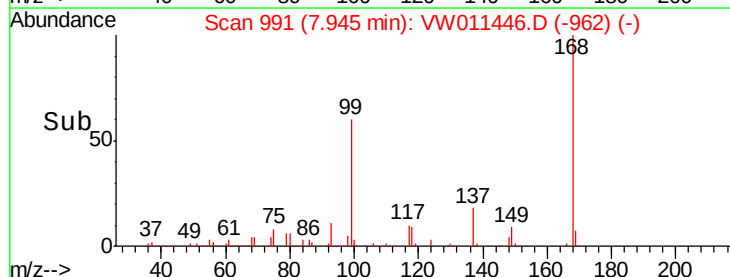
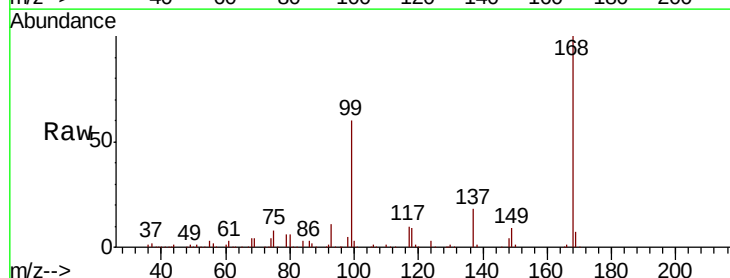
Instrument :
 MSVOA_W
 ClientSampleID :
 HD-02-072219

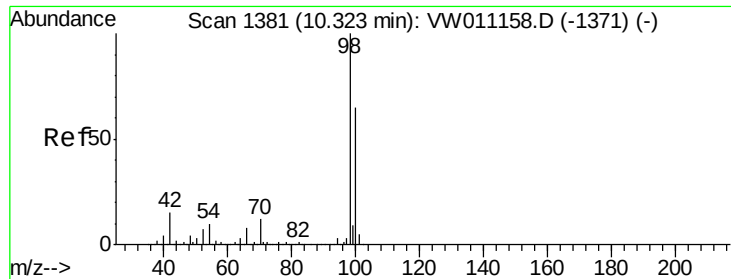
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	15.9	47.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.638 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011446.D
 Acq: 23 Jul 2019 22:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	78.1	117.1#
121	0.0	25.1	37.7#





#50

Toluene-d8

Concen: 50.418 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011446.D

Acq: 23 Jul 2019 22:15

Instrument :

MSVOA_W

ClientSampleId :

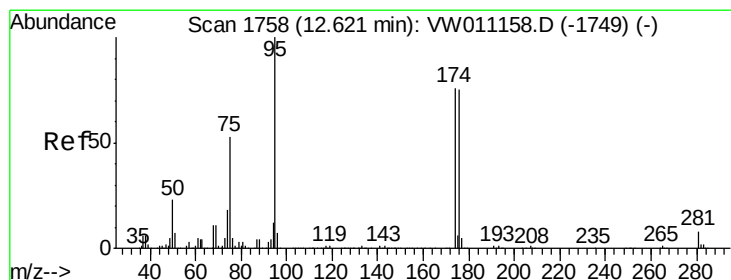
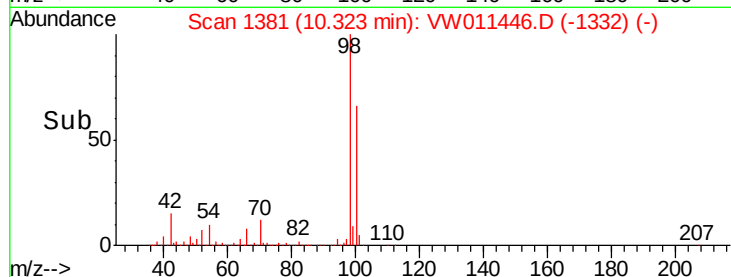
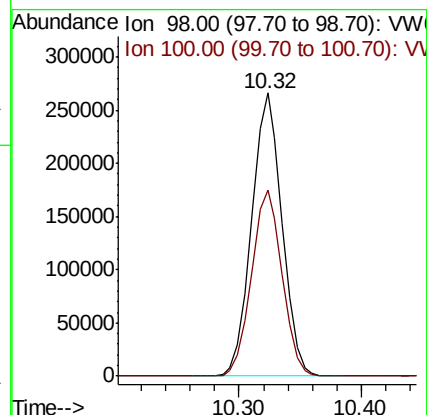
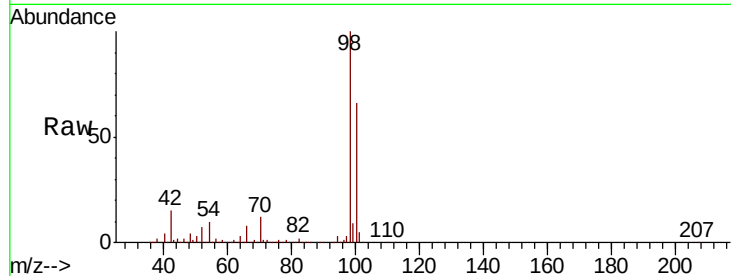
HD-02-072219

Tot Ion: 98 Resp: 459435

Ion Ratio Lower Upper

98 100

100 66.1 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 44.424 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011446.D

Acq: 23 Jul 2019 22:15

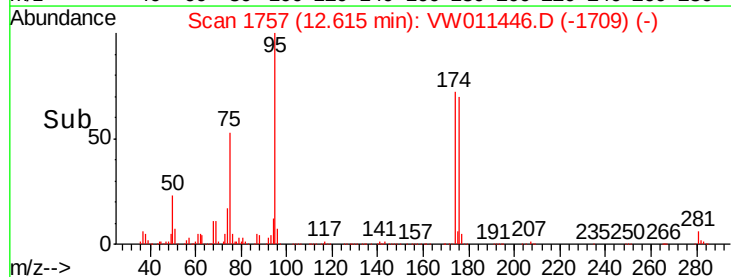
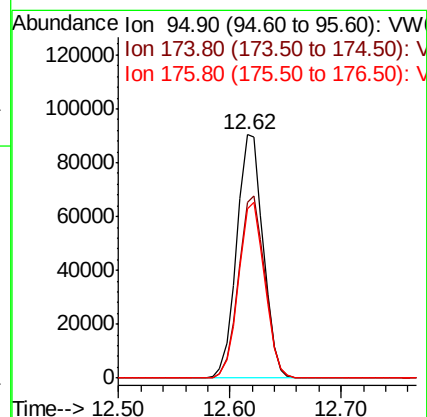
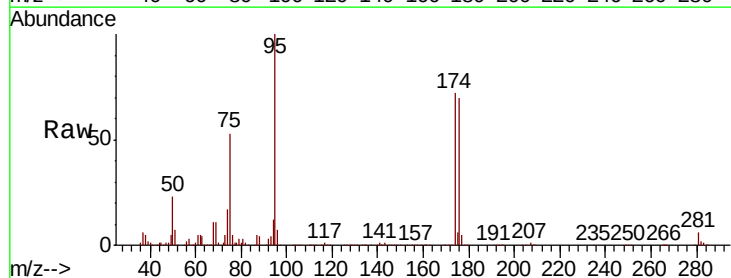
Tgt Ion: 95 Resp: 148379

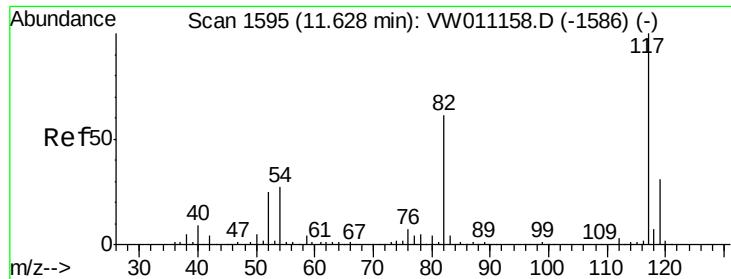
Ion Ratio Lower Upper

95 100

174 74.7 0.0 147.6

176 71.3 0.0 144.6

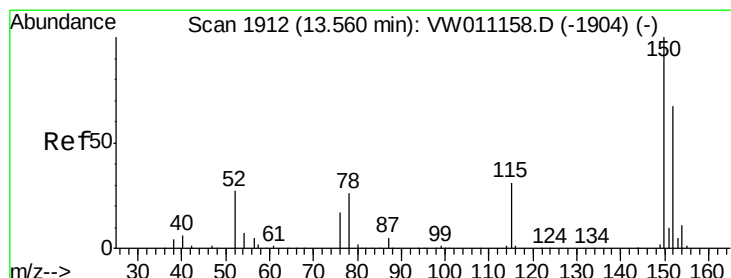
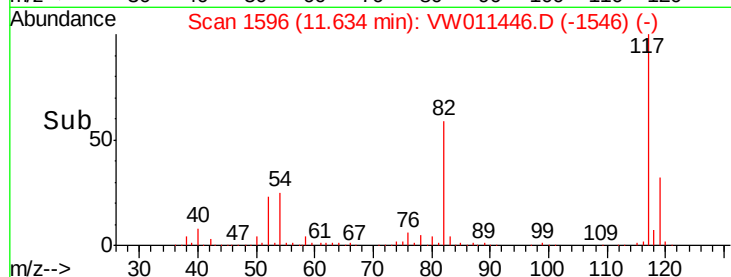
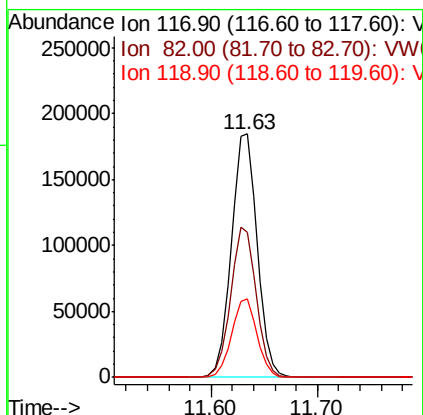
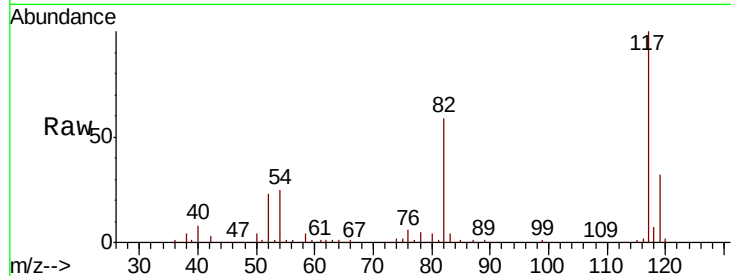




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011446.D
Acq: 23 Jul 2019 22:15

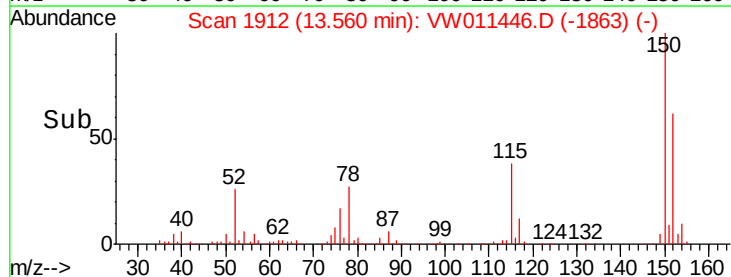
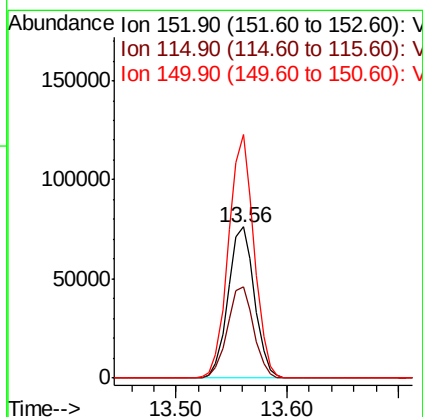
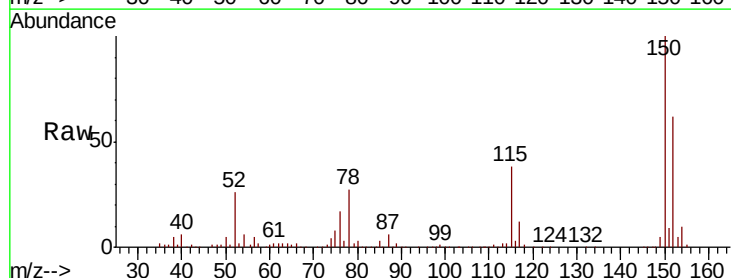
Instrument :
MSVOA_W
ClientSampleId :
HD-02-072219

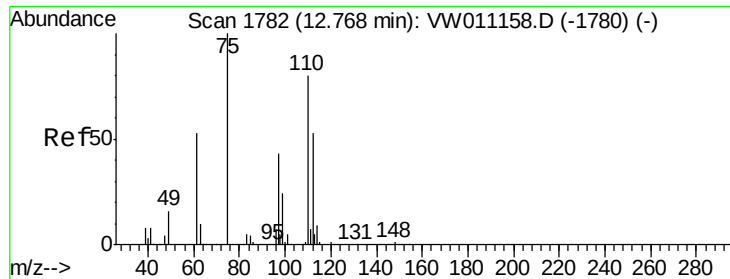
Tot Ion:117 Resp: 315104
Ion Ratio Lower Upper
117 100
82 59.4 48.9 73.3
119 32.1 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011446.D
Acq: 23 Jul 2019 22:15

Tgt Ion:152 Resp: 124022
Ion Ratio Lower Upper
152 100
115 60.7 30.1 90.3
150 156.2 0.0 346.0





#76

1,2,3-Trichloropropane

Concen: 54.831 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011446.D

Acq: 23 Jul 2019 22:15

Instrument :

MSVOA_W

ClientSampled :

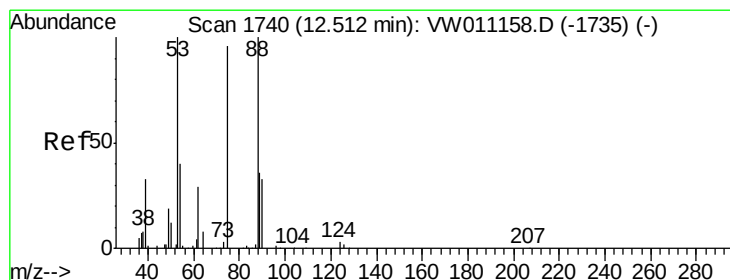
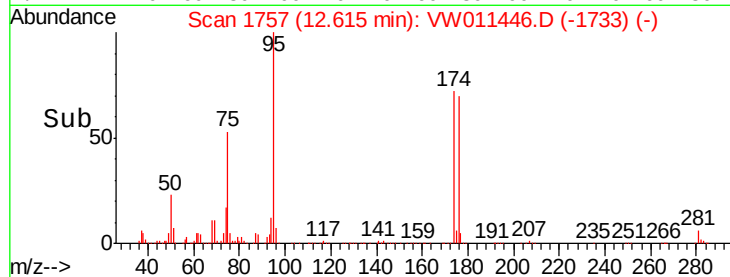
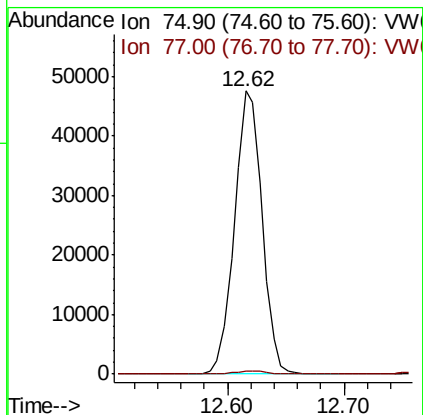
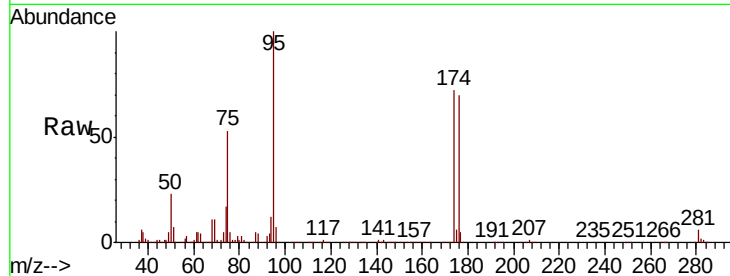
HD-02-072219

Tot Ion: 75 Resp: 78585

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.016 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011446.D

Acq: 23 Jul 2019 22:15

Tgt Ion: 75 Resp: 78585

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

89 0.0 34.3 51.5#

