

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW083019\
 Data File : VW012379.D
 Acq On : 31 Aug 2019 05:04
 Operator : SY/VA
 Sample : K4562-08
 Misc : 5.36G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-02-30-32

Quant Time: Aug 31 06:30:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

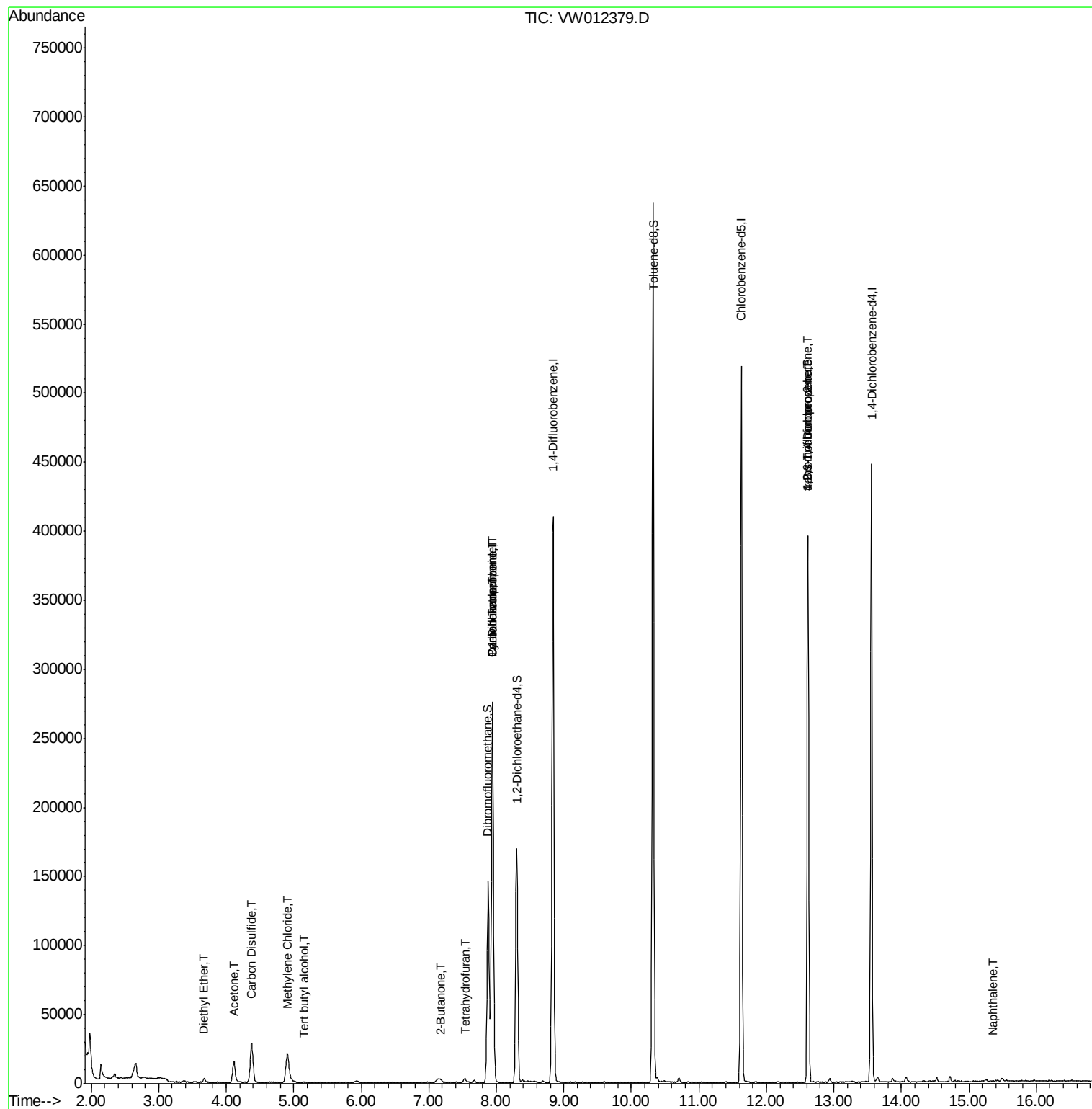
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	195964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	322301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	112203	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	138625	59.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.02%	
35) Dibromofluoromethane	7.88	113	103202	53.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.28%	
50) Toluene-d8	10.32	98	396485	50.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.62	95	127798	46.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.96%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	1432	1.313	ug/l	91
11) Tert butyl alcohol	5.15	59	437	3.117	ug/l #	83
16) Acetone	4.11	43	27487	46.160	ug/l	98
17) Carbon Disulfide	4.38	76	59409	10.001	ug/l	98
20) Methylene Chloride	4.90	84	15315	6.803	ug/l	96
25) 2-Butanone	7.18	43	2696	3.332	ug/l #	86
29) Tetrahydrofuran	7.54	42	2825	5.819	ug/l	96
31) Cyclohexane	7.95	56	5050	1.204	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16929	5.083	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20221	7.015	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	69697	63.780	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69697	139.839	ug/l #	6
95) Naphthalene	15.36	128	259	4.377	ug/l #	69

(#) = 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: VW012379.D

Acq: 31 Aug 2019 05:04

Instrument :

MSVOA_W

ClientSampleId :

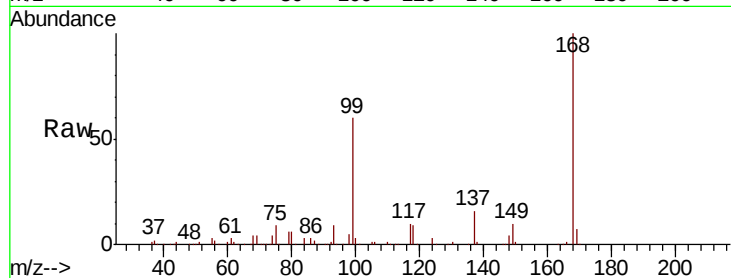
SB-02-30-32

Tgt Ion:168 Resp: 195964

Ion Ratio Lower Upper

168 100

99 59.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

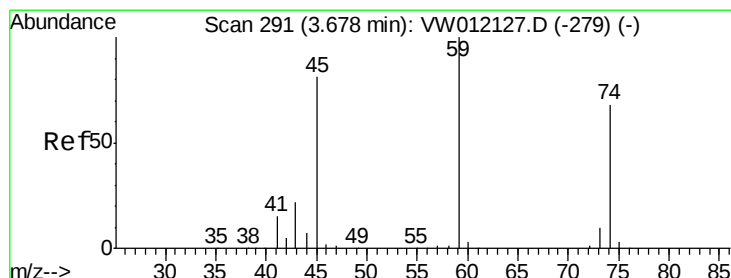
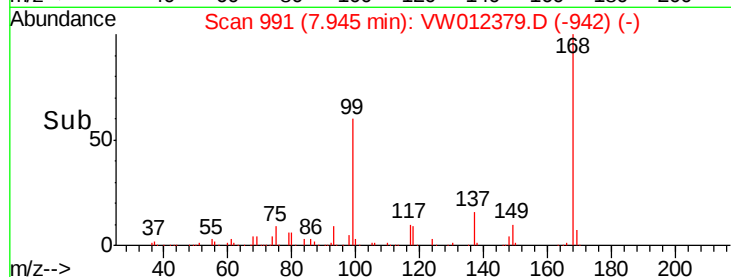
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.313 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012379.D

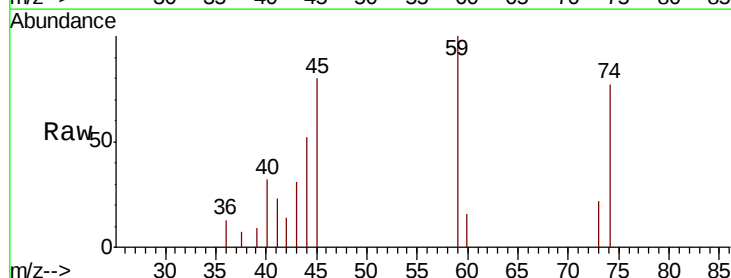
Acq: 31 Aug 2019 05:04

Tgt Ion: 74 Resp: 1432

Ion Ratio Lower Upper

74 100

45 128.0 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

800

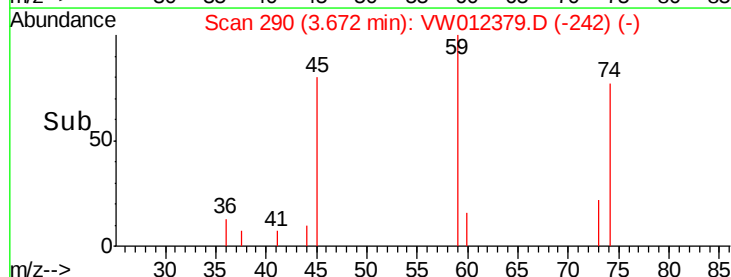
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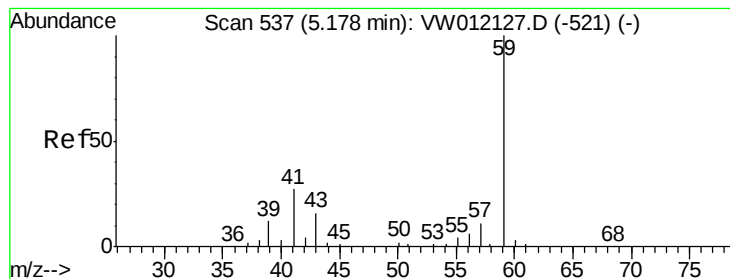
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200

0

Time-->



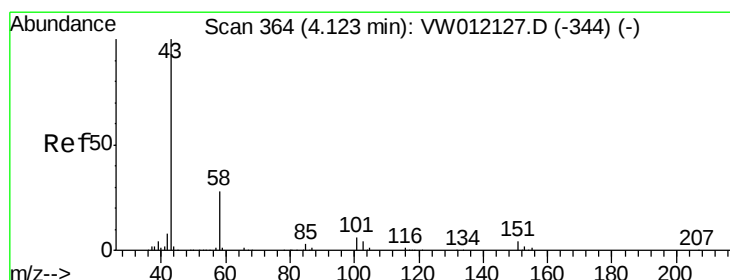
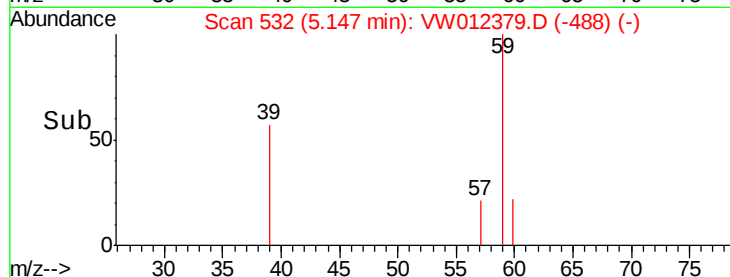
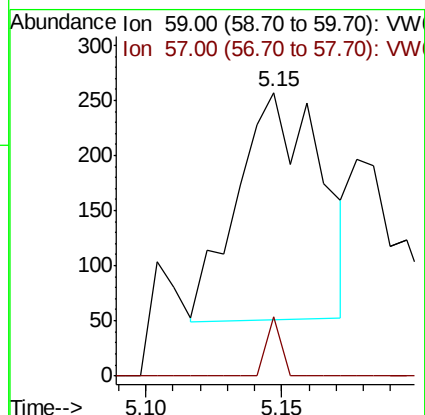
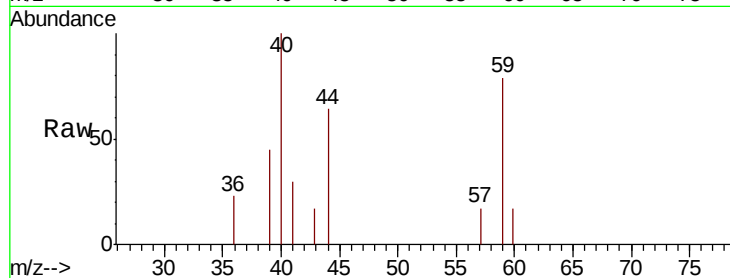


#11

Tert butyl alcohol
 Concen: 3.117 ug/l
 RT: 5.15 min Scan# 532
 Delta R.T. -0.03 min
 Lab File: VW012379.D
 Acq: 31 Aug 2019 05:04

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-02-30-32

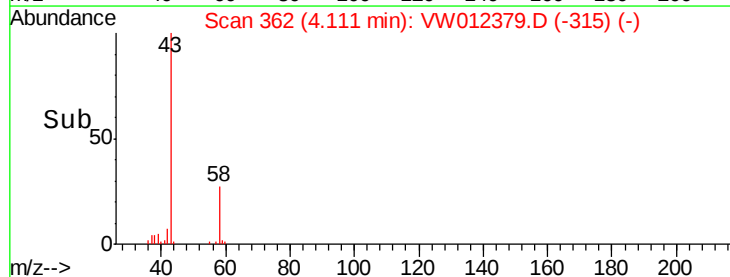
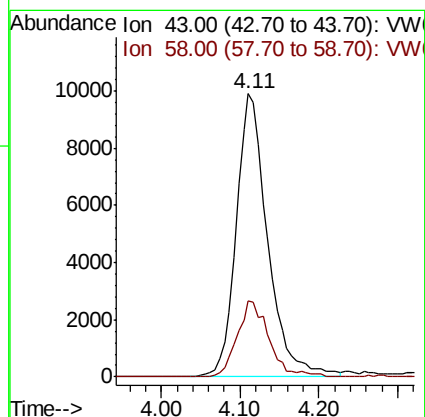
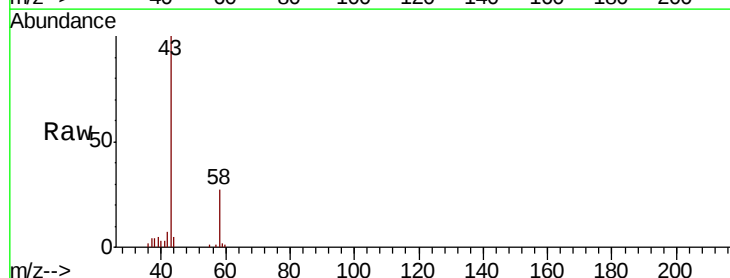
Tgt Ion: 59 Resp: 437
 Ion Ratio Lower Upper
 59 100
 57 4.6 9.0 13.4#

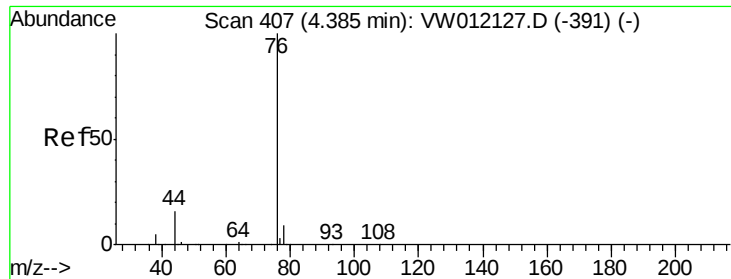


#16

Acetone
 Concen: 46.160 ug/l
 RT: 4.11 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VW012379.D
 Acq: 31 Aug 2019 05:04

Tgt Ion: 43 Resp: 27487
 Ion Ratio Lower Upper
 43 100
 58 27.0 22.4 33.6

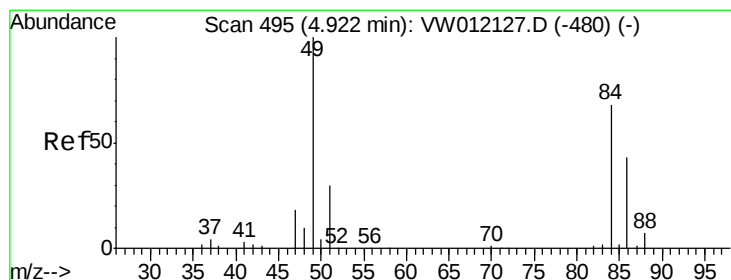
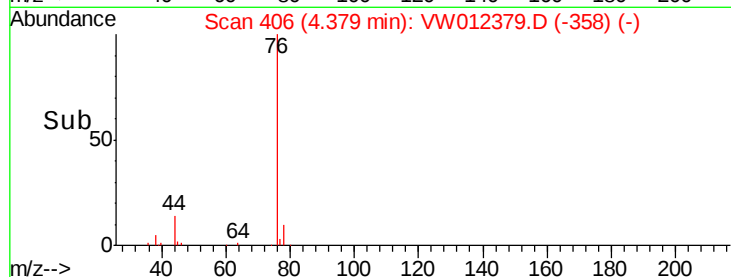
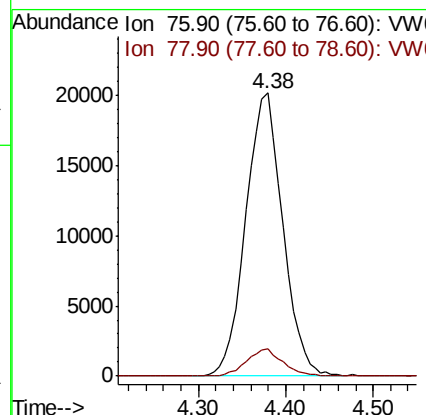
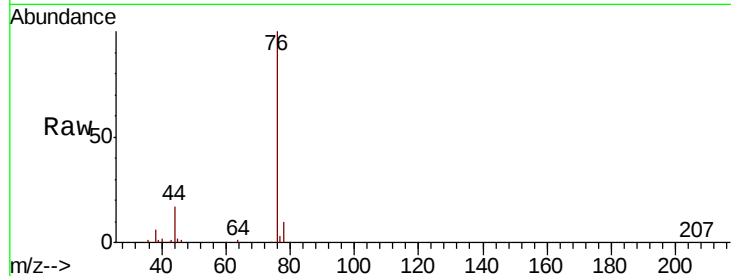




#17
Carbon Disulfide
Concen: 10.001 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012379.D
Acq: 31 Aug 2019 05:04

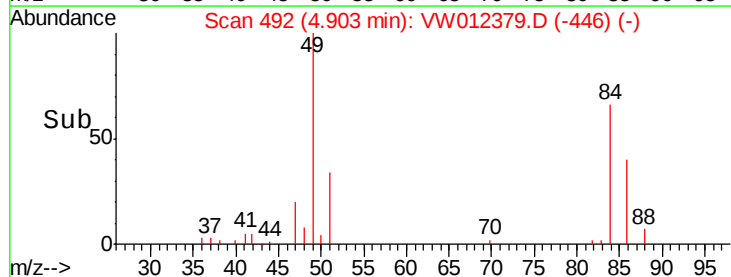
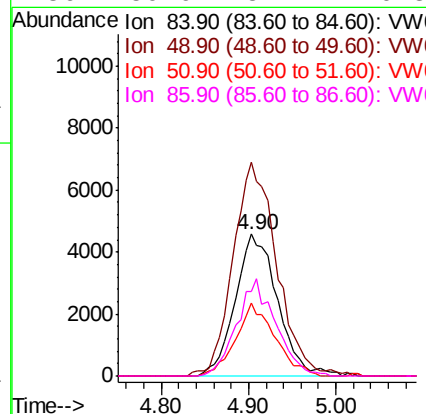
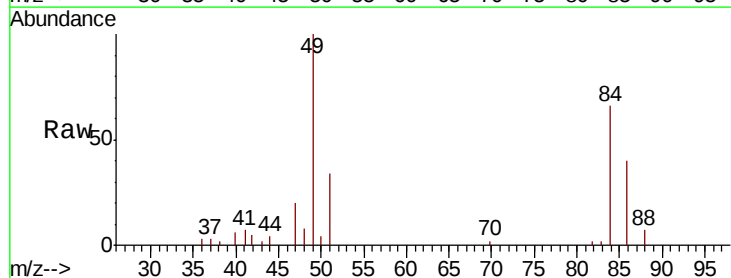
Instrument :
MSVOA_W
ClientSampleId :
SB-02-30-32

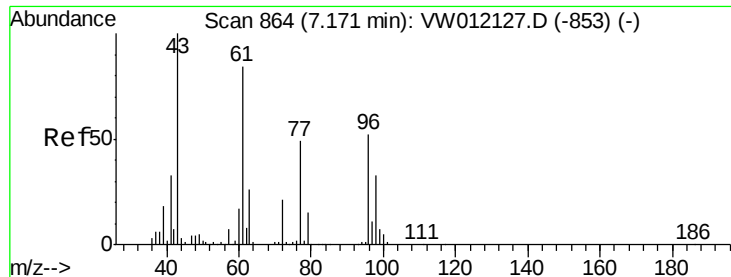
Tgt Ion: 76 Resp: 59409
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9



#20
Methylene Chloride
Concen: 6.803 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012379.D
Acq: 31 Aug 2019 05:04

Tgt Ion: 84 Resp: 15315
Ion Ratio Lower Upper
84 100
49 149.1 117.8 176.8
51 51.1 35.6 53.4
86 59.9 51.2 76.8





#25

2-Butanone

Concen: 3.332 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012379.D

Acq: 31 Aug 2019 05:04

Instrument :

MSVOA_W

ClientSampleId :

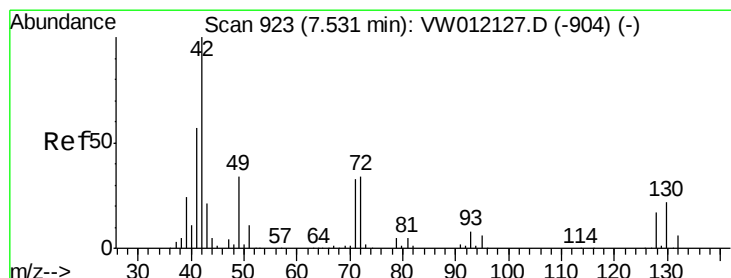
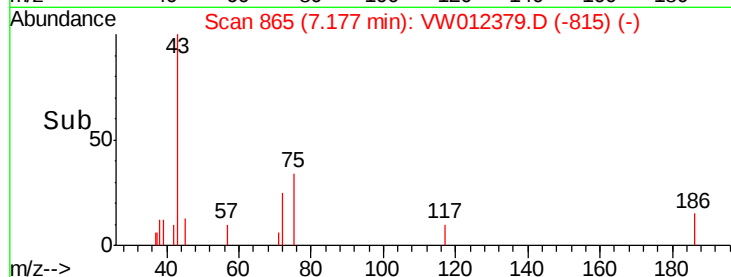
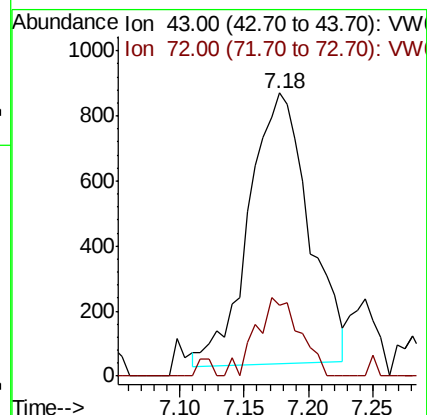
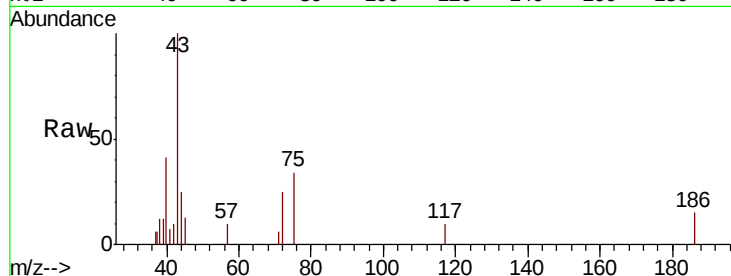
SB-02-30-32

Tgt Ion: 43 Resp: 2696

Ion Ratio Lower Upper

43 100

72 27.3 16.6 24.8#



#29

Tetrahydrofuran

Concen: 5.819 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012379.D

Acq: 31 Aug 2019 05:04

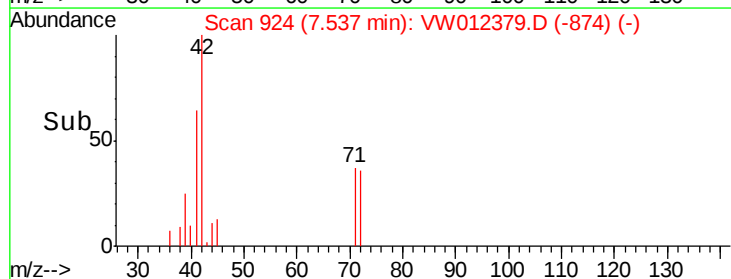
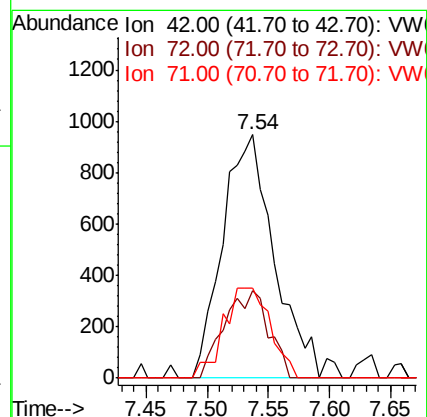
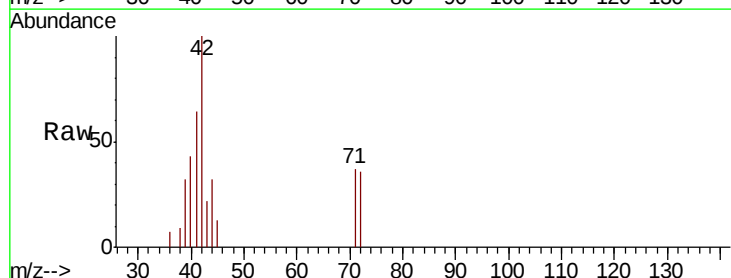
Tgt Ion: 42 Resp: 2825

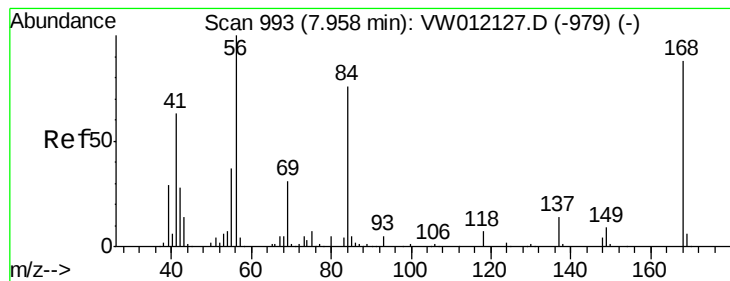
Ion Ratio Lower Upper

42 100

72 30.4 27.3 40.9

71 33.0 25.5 38.3





#31

Cyclohexane

Concen: 1.204 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012379.D

Acq: 31 Aug 2019 05:04

Instrument :

MSVOA_W

ClientSampled :

SB-02-30-32

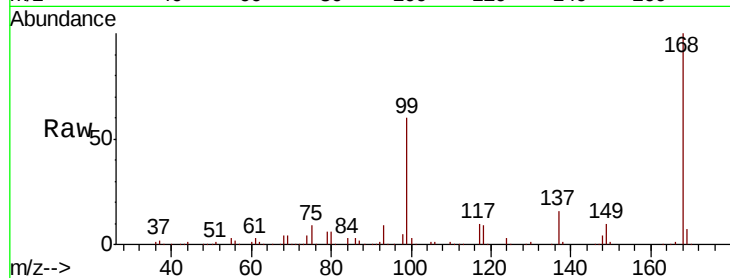
Tgt Ion: 56 Resp: 5050

Ion Ratio Lower Upper

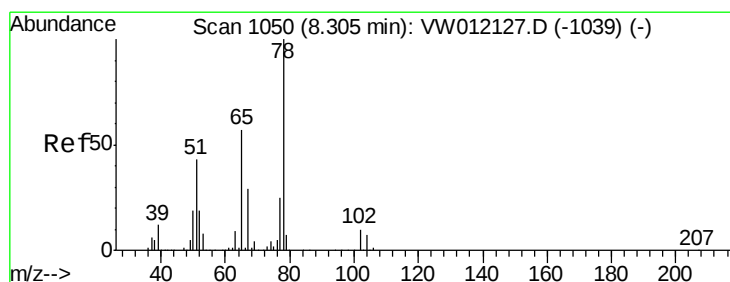
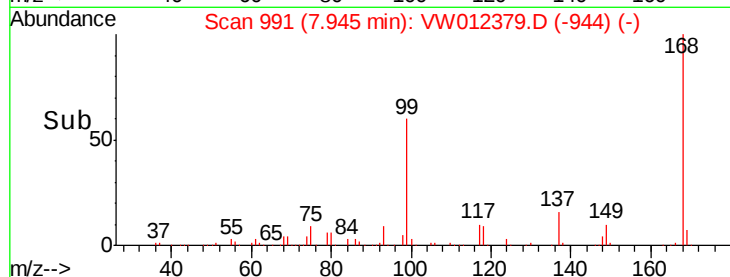
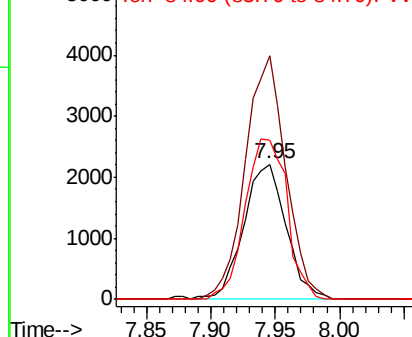
56 100

69 180.3 24.9 37.3#

84 117.7 60.6 90.8#



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: 59.508 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012379.D

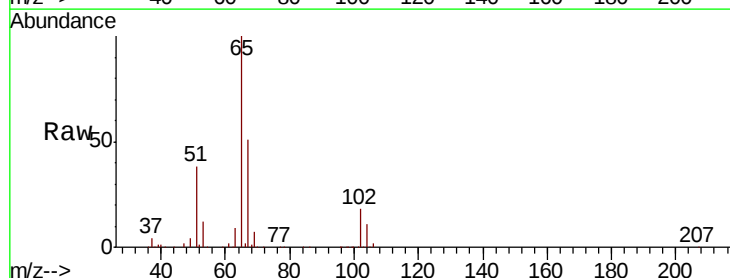
Acq: 31 Aug 2019 05:04

Tgt Ion: 65 Resp: 138625

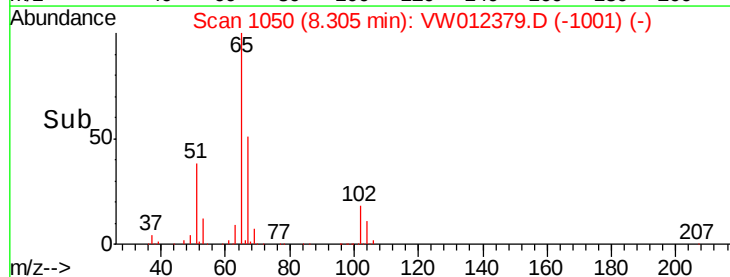
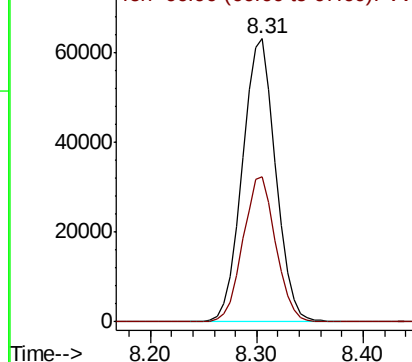
Ion Ratio Lower Upper

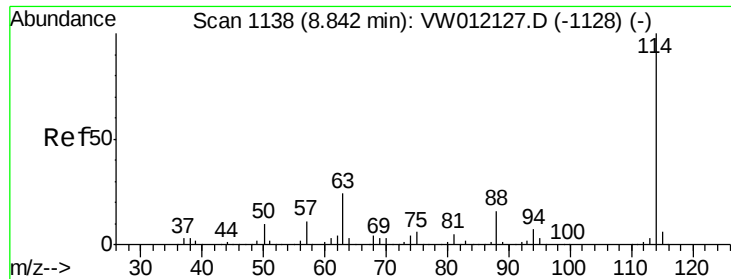
65 100

67 50.7 0.0 102.6



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

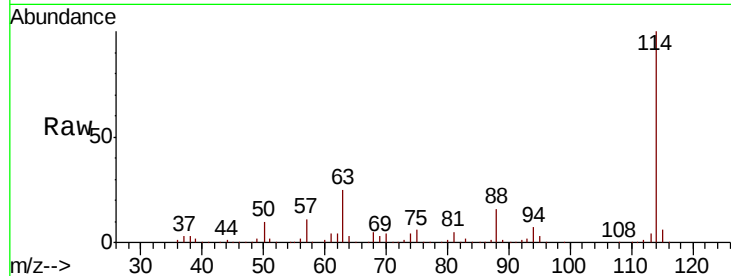




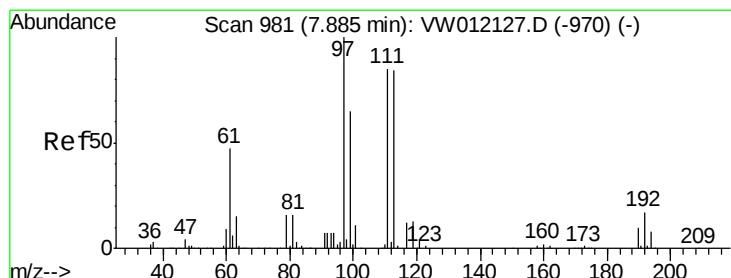
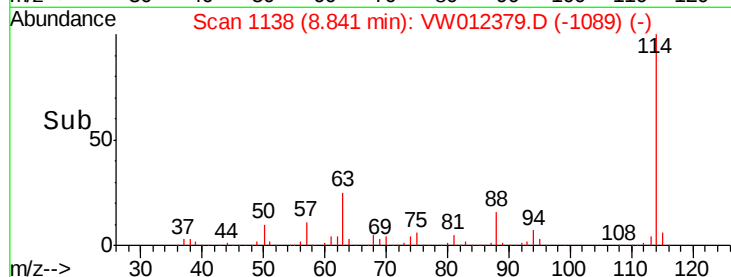
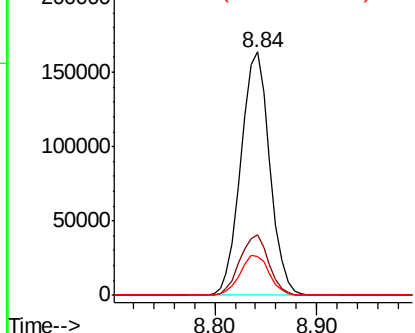
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012379.D
 Acq: 31 Aug 2019 05:04

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-02-30-32

Tgt Ion:114 Resp: 322301
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 48.6
 88 16.1 0.0 32.2

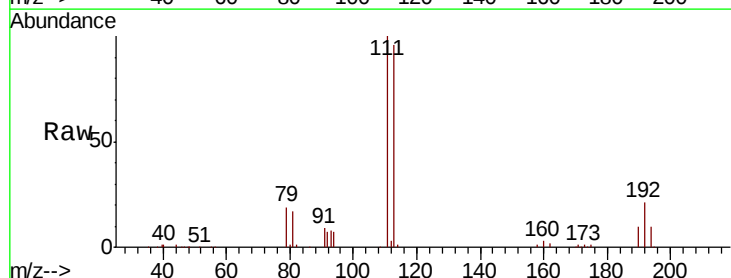


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

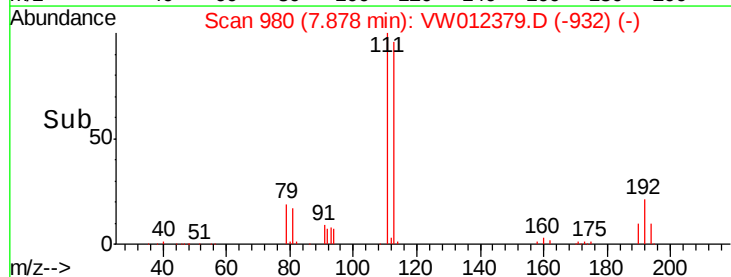
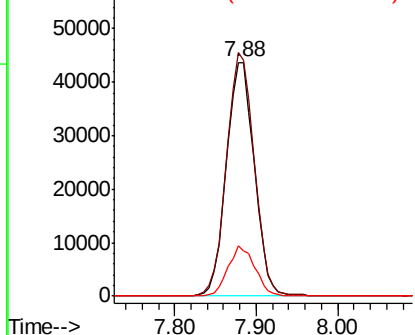


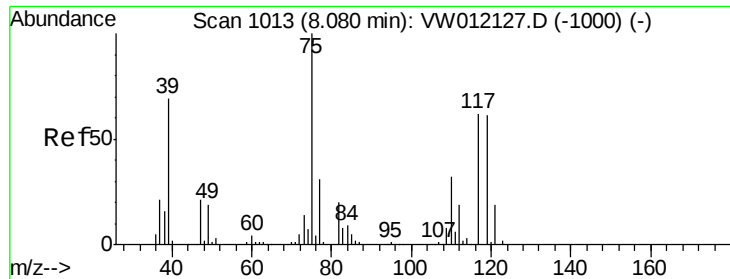
#35
 Dibromofluoromethane
 Concen: 53.644 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012379.D
 Acq: 31 Aug 2019 05:04

Tgt Ion:113 Resp: 103202
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.7 124.1
 192 20.6 16.2 24.2



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

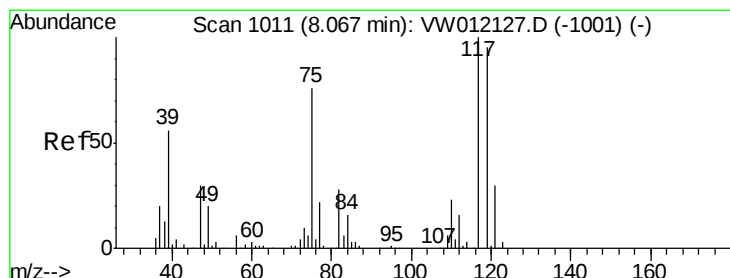
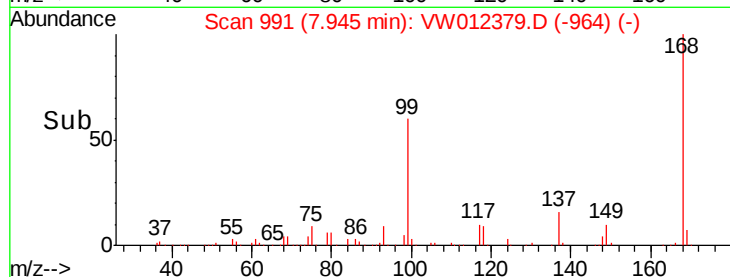
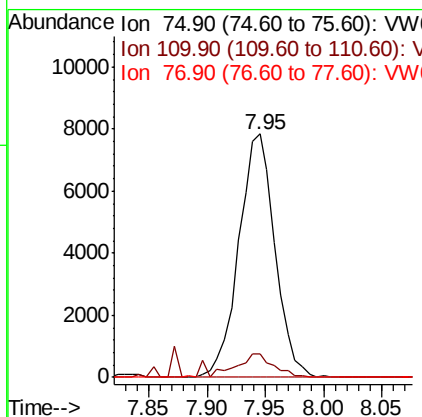
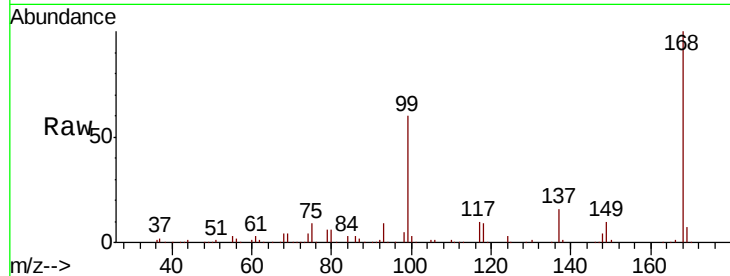




#36
 1,1-Dichloropropene
 Concen: 5.083 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012379.D
 Acq: 31 Aug 2019 05:04

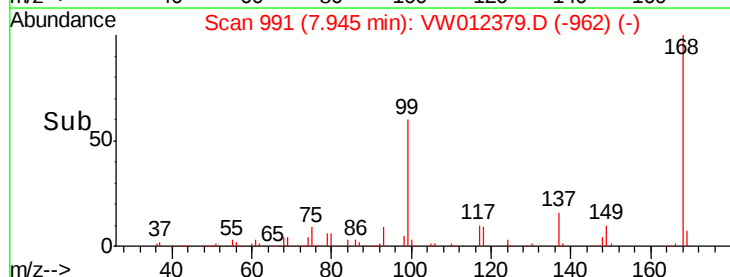
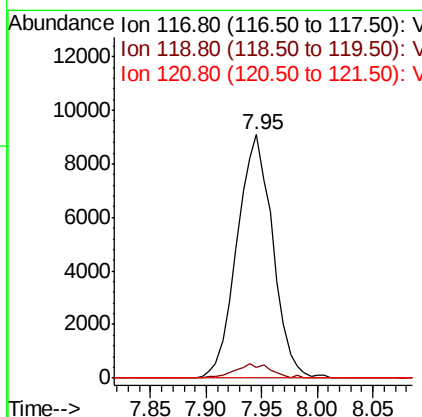
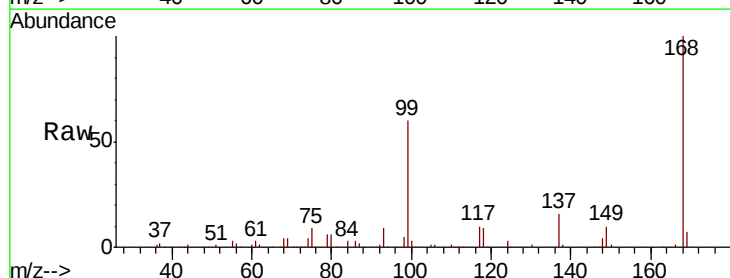
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-02-30-32

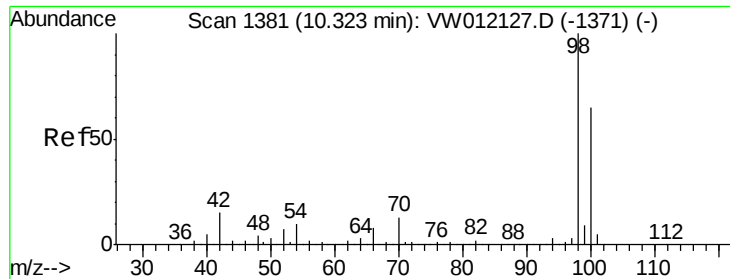
Tgt Ion: 75 Resp: 16929
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.015 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012379.D
 Acq: 31 Aug 2019 05:04

Tgt Ion: 117 Resp: 20221
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.2 114.2#
 121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 50.828 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012379.D

Acq: 31 Aug 2019 05:04

Instrument :

MSVOA_W

ClientSampleId :

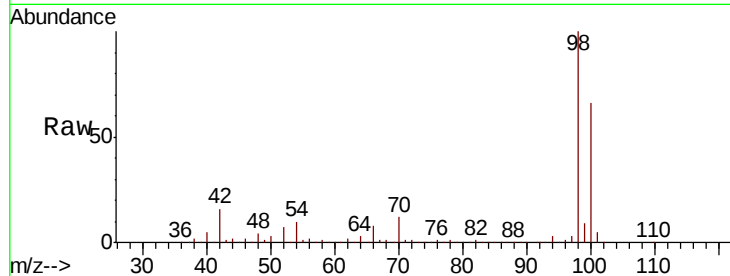
SB-02-30-32

Tgt Ion: 98 Resp: 396485

Ion Ratio Lower Upper

98 100

100 65.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

150000

100000

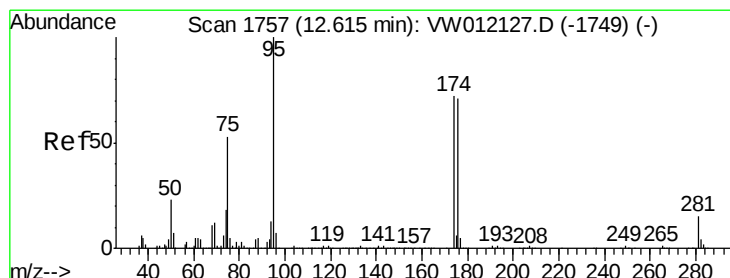
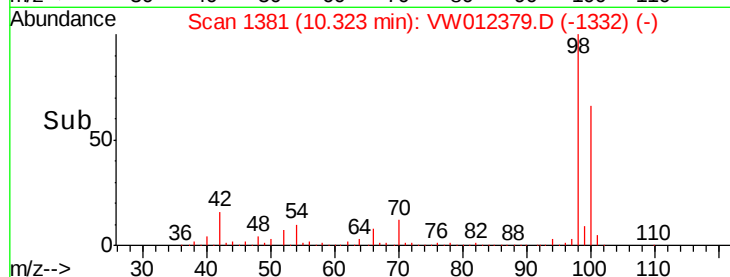
50000

0

10.30

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 46.477 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012379.D

Acq: 31 Aug 2019 05:04

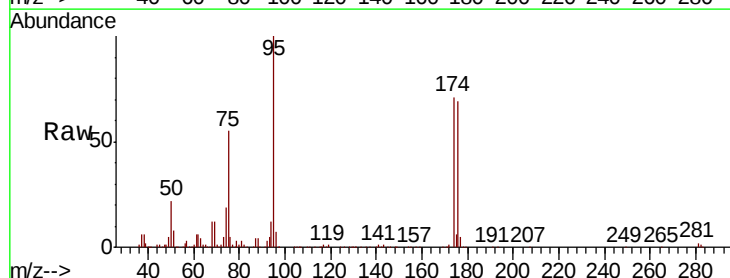
Tgt Ion: 95 Resp: 127798

Ion Ratio Lower Upper

95 100

174 77.2 0.0 150.8

176 74.1 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

60000

40000

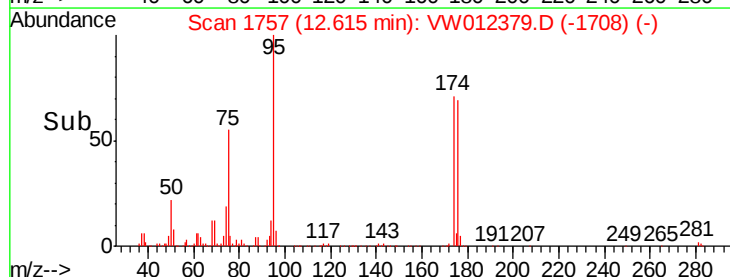
20000

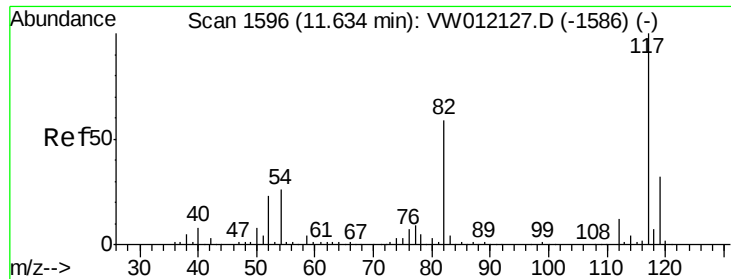
0

12.60

12.70

Time-->

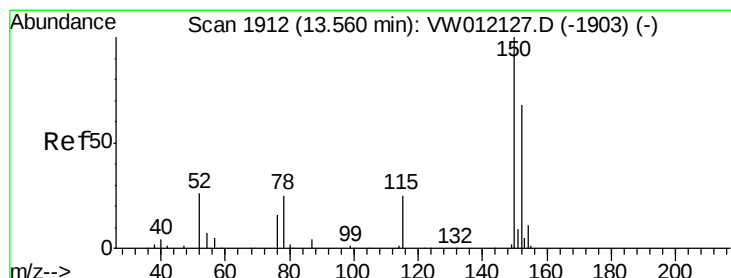
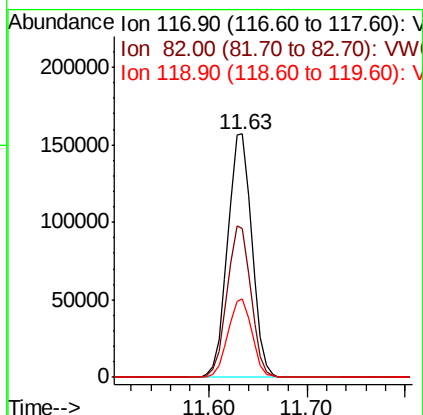
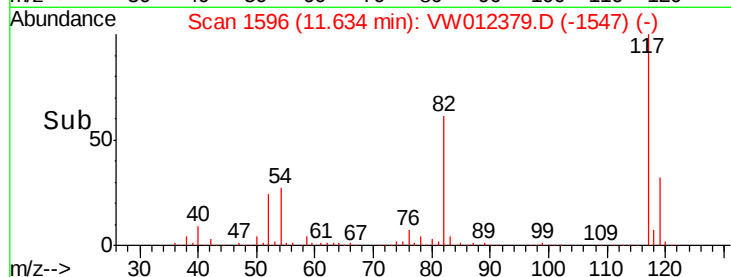
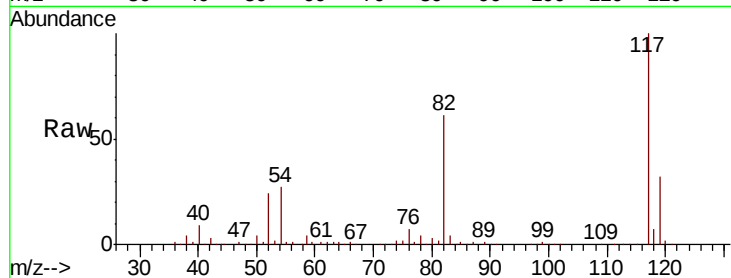




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012379.D
Acq: 31 Aug 2019 05:04

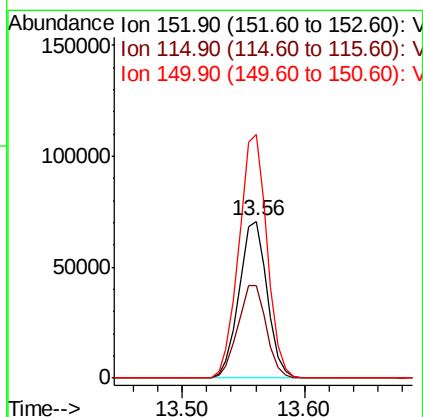
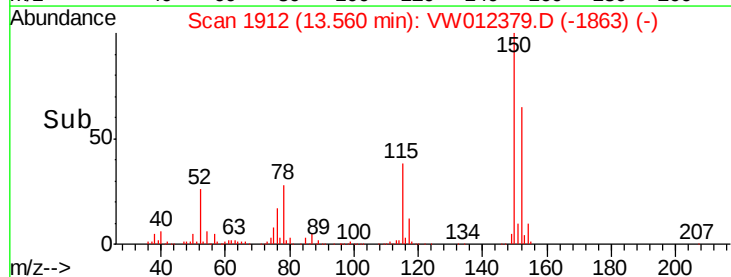
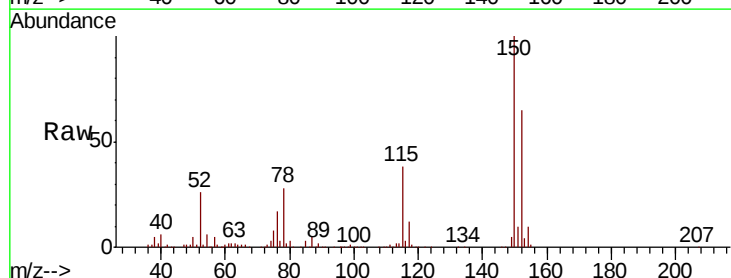
Instrument :
MSVOA_W
ClientSampleId :
SB-02-30-32

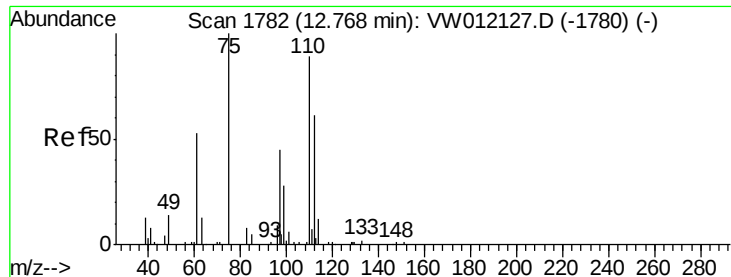
Tgt Ion:117 Resp: 270207
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012379.D
Acq: 31 Aug 2019 05:04

Tgt Ion:152 Resp: 112203
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.3
150 155.6 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 63.780 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012379.D

Acq: 31 Aug 2019 05:04

Instrument :

MSVOA_W

ClientSampleId :

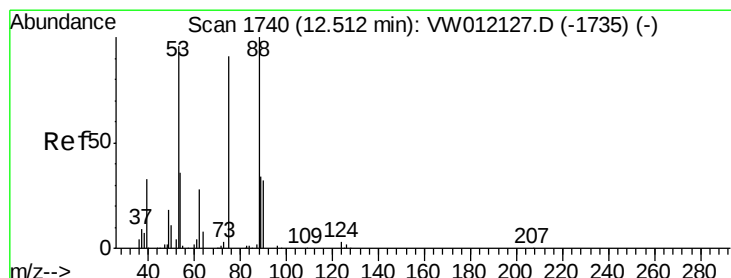
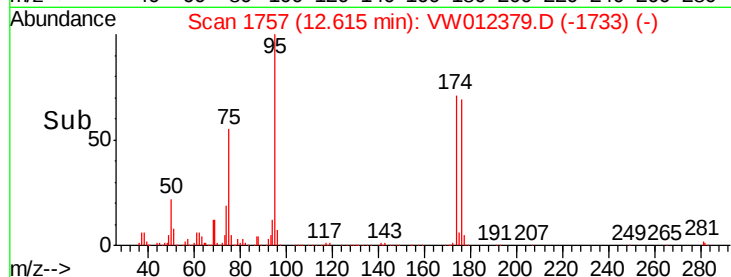
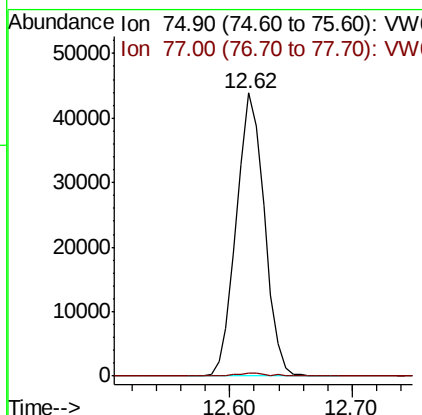
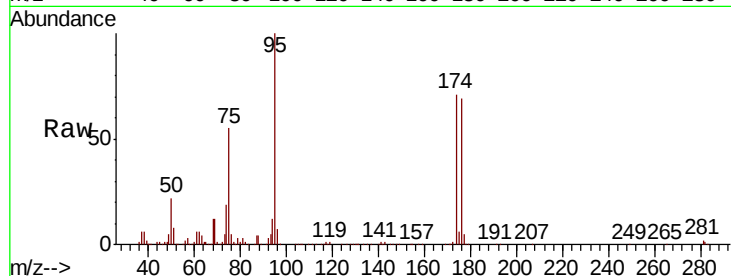
SB-02-30-32

Tgt Ion: 75 Resp: 69697

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.839 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012379.D

Acq: 31 Aug 2019 05:04

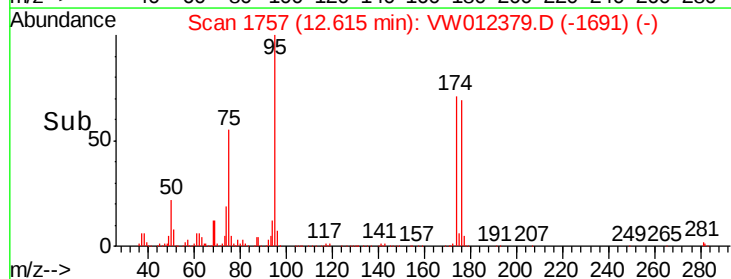
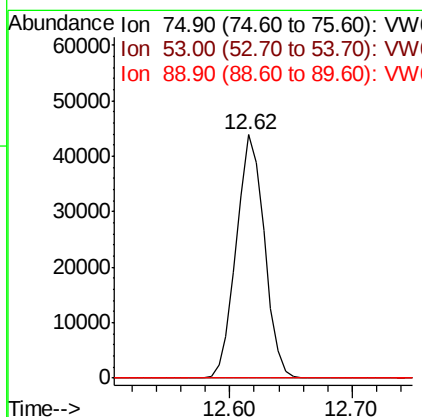
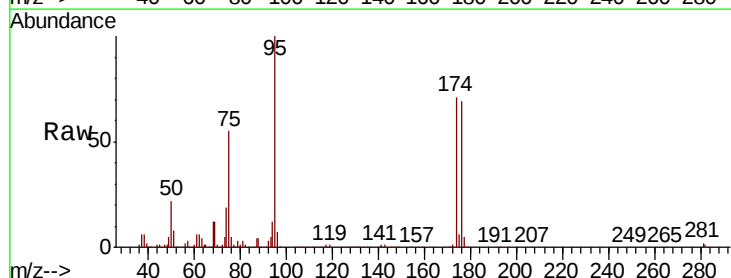
Tgt Ion: 75 Resp: 69697

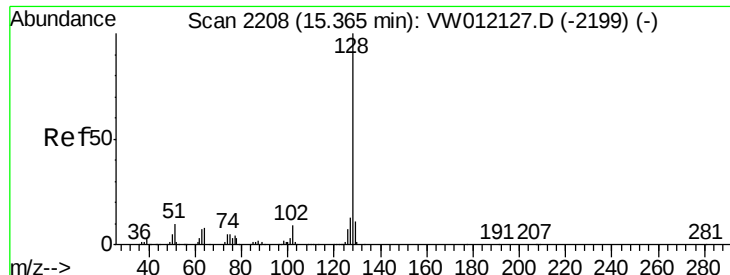
Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.1 34.5 51.7#





#95

Naphthalene

Concen: 4.377 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012379.D

Acq: 31 Aug 2019 05:04

Instrument :

MSVOA_W

ClientSampleId :

SB-02-30-32

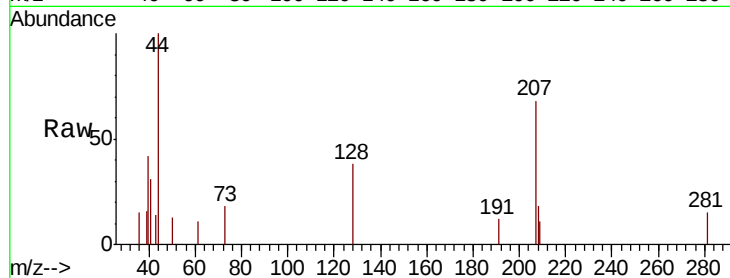
Tgt Ion:128 Resp: 259

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

