

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011214.D
 Acq On : 11 Jul 2019 02:44
 Operator : SY/VA
 Sample : K3740-05
 Misc : 4.74G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC-24

Quant Time: Jul 11 08:11:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 10 06:41:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	188827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	320563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	257704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	91058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	130486	55.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.00%	
35) Dibromofluoromethane	7.88	113	98042	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.32	98	396605	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.62	95	114463	40.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.86%	

Target Compounds

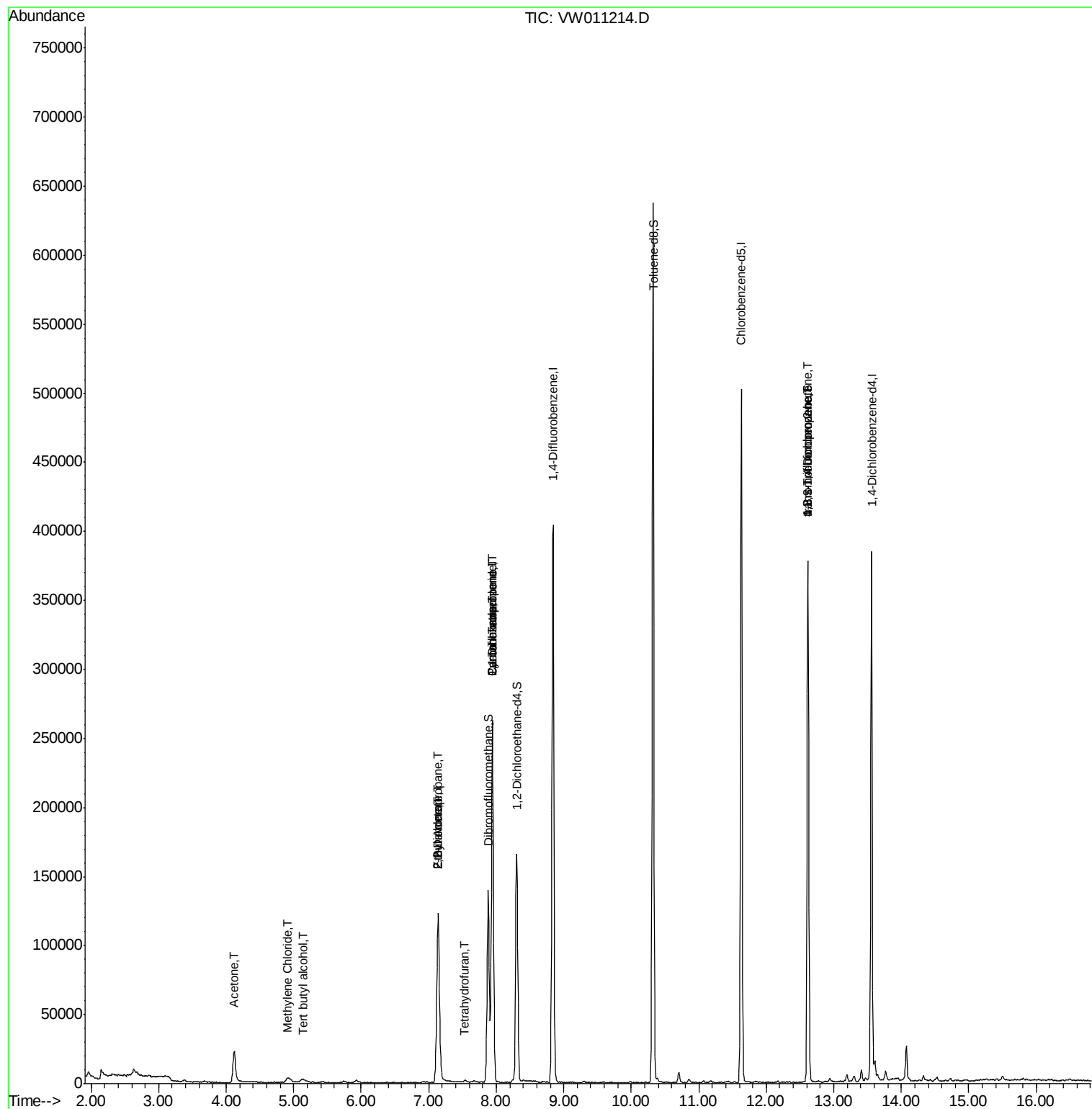
						Qvalue
11) Tert butyl alcohol	5.14	59	2454	13.970	ug/l #	76
16) Acetone	4.12	43	42589	74.600	ug/l	97
20) Methylene Chloride	4.92	84	2608	1.158	ug/l #	79
25) 2-Butanone	7.13	43	9389	10.477	ug/l #	82
26) 2,2-Dichloropropane	7.13	77	8203	3.653	ug/l #	53
29) Tetrahydrofuran	7.54	42	1448	2.464	ug/l #	81
31) Cyclohexane	7.94	56	4884	1.063	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17577	5.149	ug/l #	51
37) Ethyl Acetate	7.13	43	9389	4.578	ug/l #	21
38) Carbon Tetrachloride	7.94	117	19341	6.683	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	62023	58.941	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62023	133.313	ug/l #	6

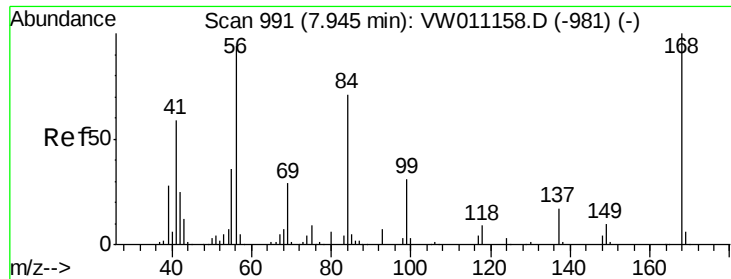
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011214.D

Acq: 11 Jul 2019 02:44

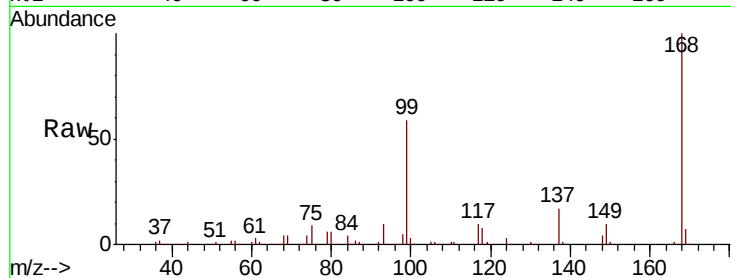
Instrument :
MSVOA_W
ClientSampleId :
VOC-24

Tot Ion:168 Resp: 188827

Ion Ratio Lower Upper

168 100

99 59.4 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

100000

80000

60000

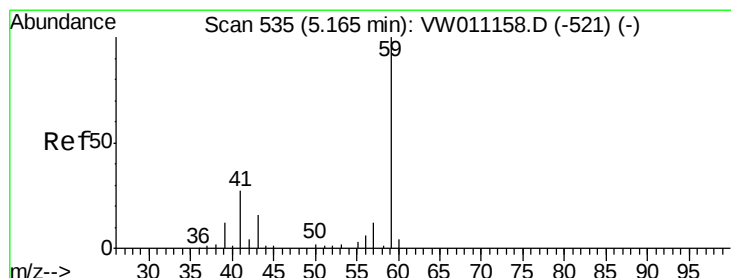
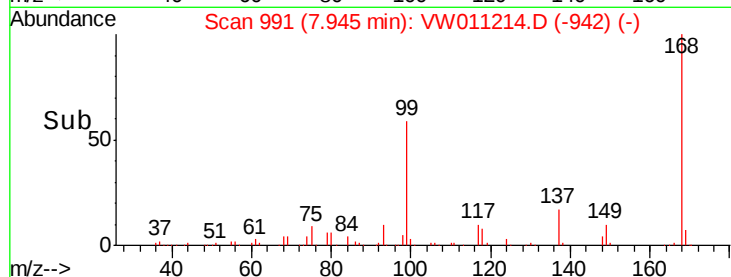
40000

20000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 13.970 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW011214.D

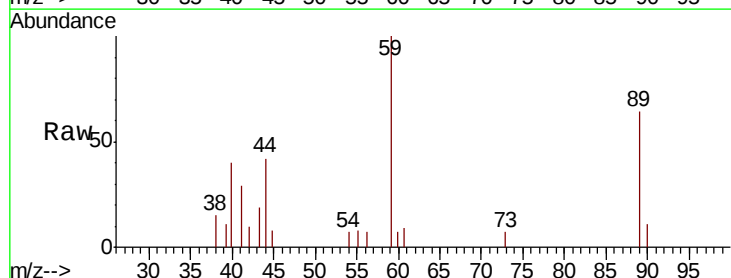
Acq: 11 Jul 2019 02:44

Tgt Ion: 59 Resp: 2454

Ion Ratio Lower Upper

59 100

57 2.1 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

800

600

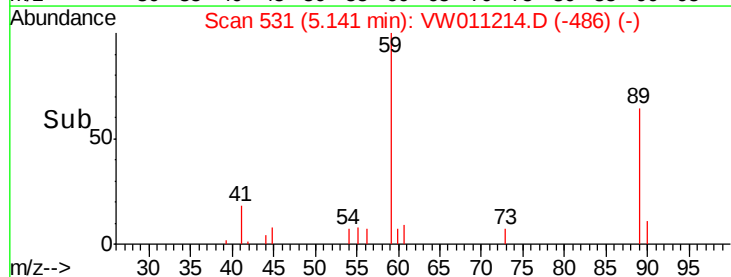
400

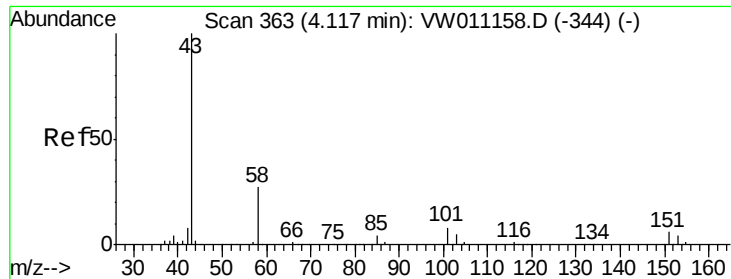
200

0

Time-->

5.00 5.05 5.10 5.15

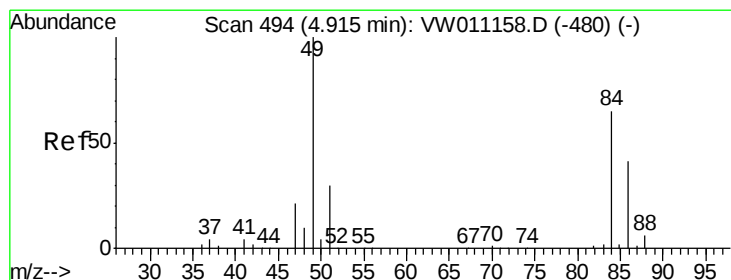
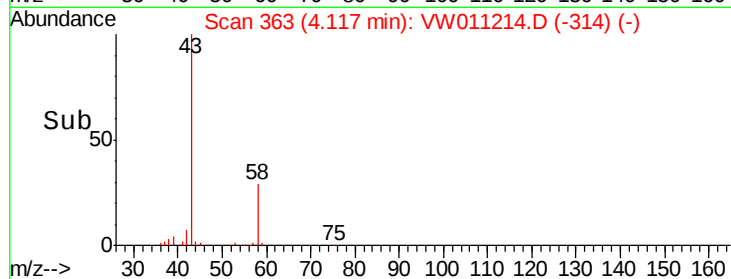
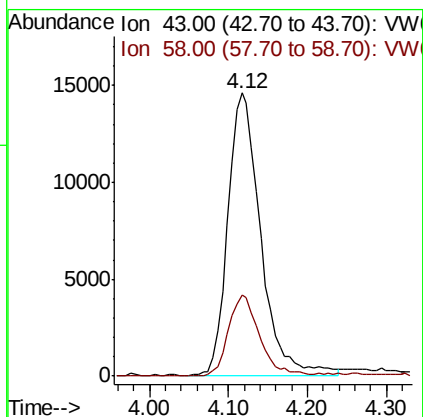
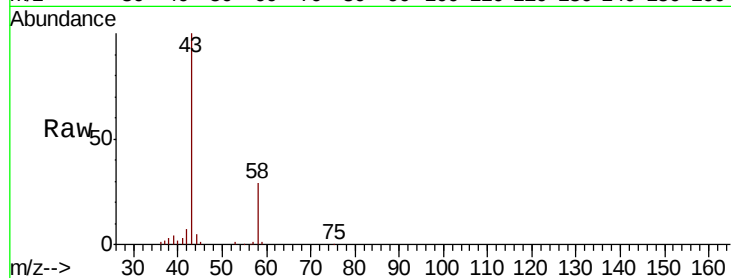




#16
Acetone
Concen: 74.600 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW011214.D
Acq: 11 Jul 2019 02:44

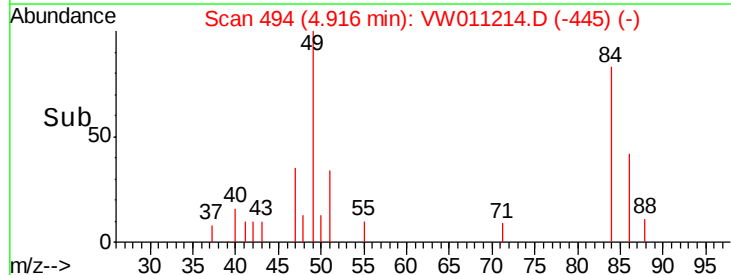
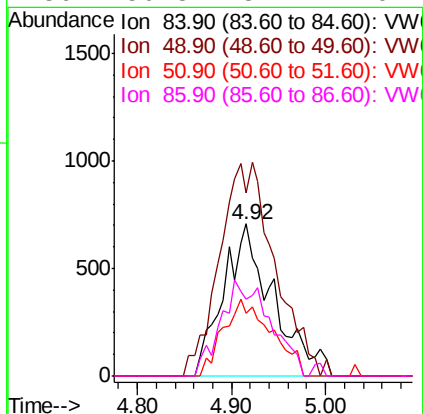
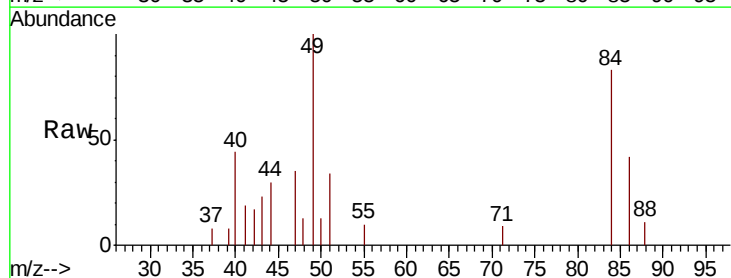
Instrument :
MSVOA_W
ClientSampled :
VOC-24

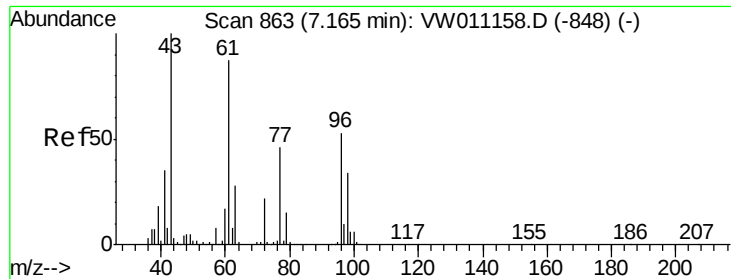
Tot Ion: 43 Resp: 42589
Ion Ratio Lower Upper
43 100
58 28.5 21.8 32.6



#20
Methylene Chloride
Concen: 1.158 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011214.D
Acq: 11 Jul 2019 02:44

Tgt Ion: 84 Resp: 2608
Ion Ratio Lower Upper
84 100
49 120.5 123.8 185.6#
51 41.3 37.4 56.2
86 50.8 51.1 76.7#





#25

2-Butanone

Concen: 10.477 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW011214.D

Acq: 11 Jul 2019 02:44

Instrument :

MSVOA_W

ClientSampled :

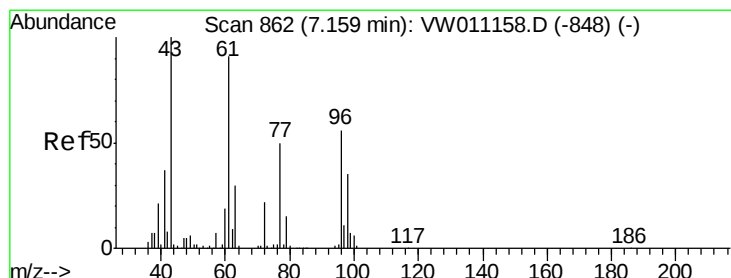
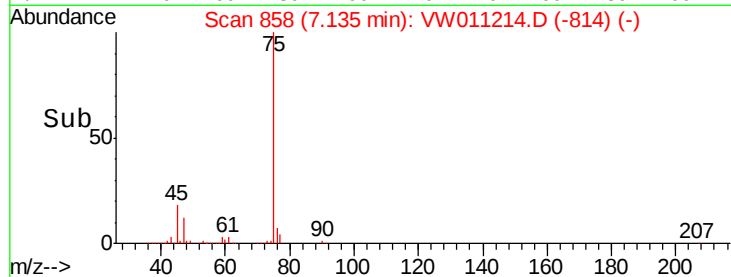
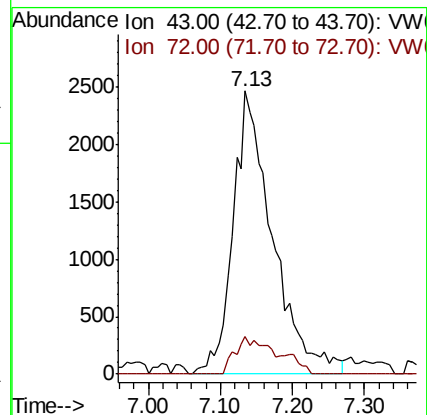
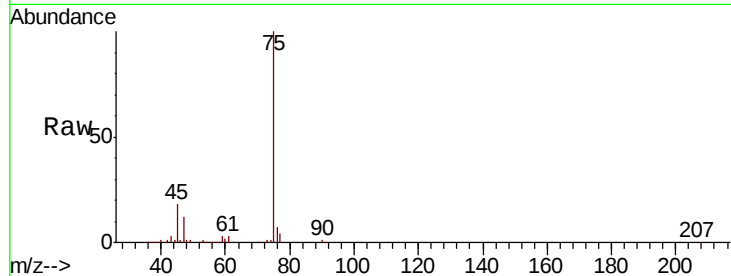
VOC-24

Tot Ion: 43 Resp: 9389

Ion Ratio Lower Upper

43 100

72 13.2 17.6 26.4#



#26

2,2-Dichloropropane

Concen: 3.653 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW011214.D

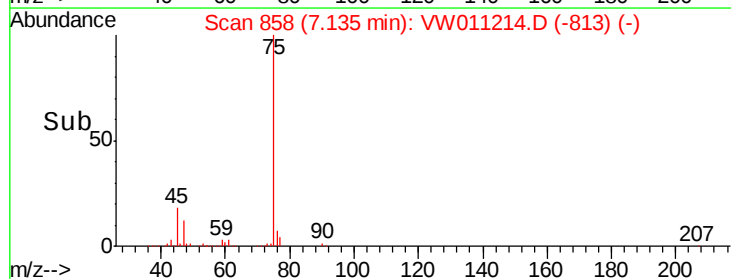
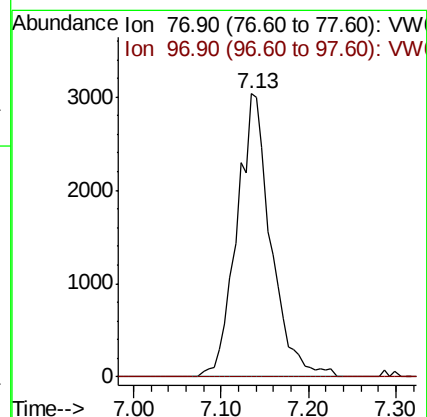
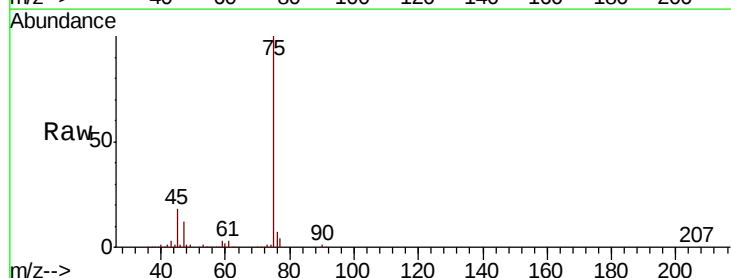
Acq: 11 Jul 2019 02:44

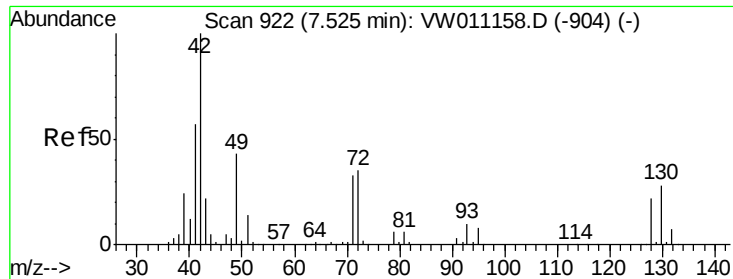
Tgt Ion: 77 Resp: 8203

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#





#29

Tetrahydrofuran

Concen: 2.464 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011214.D

Acq: 11 Jul 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

VOC-24

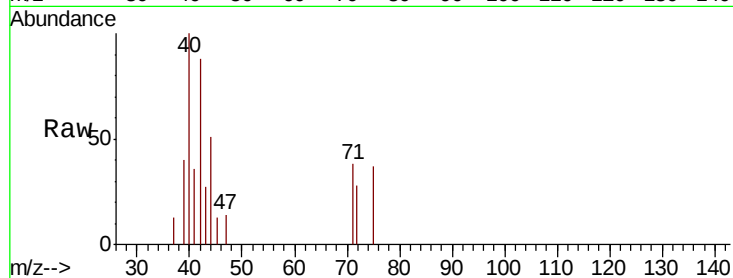
Tot Ion: 42 Resp: 1448

Ion Ratio Lower Upper

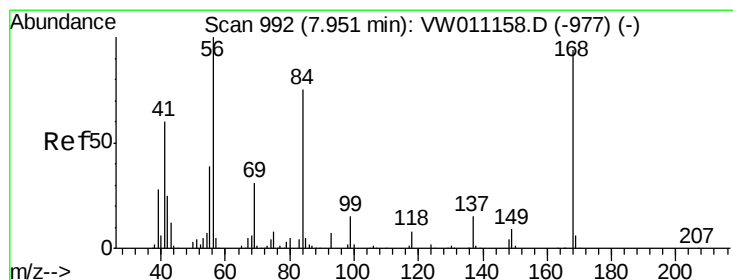
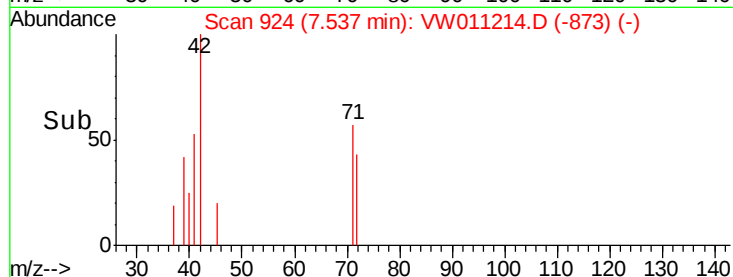
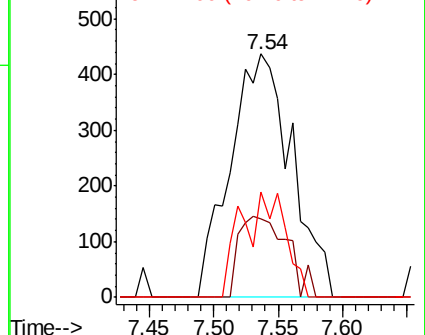
42 100

72 26.2 27.4 41.2#

71 19.1 25.9 38.9#



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



#31

Cyclohexane

Concen: 1.063 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011214.D

Acq: 11 Jul 2019 02:44

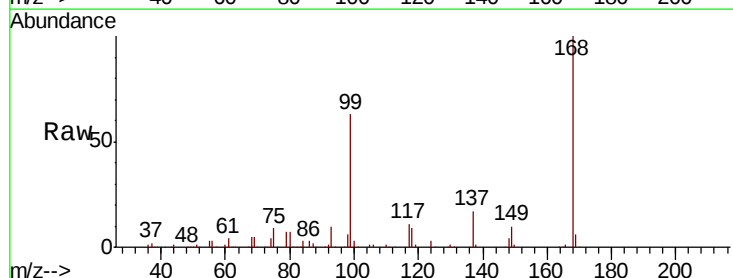
Tgt Ion: 56 Resp: 4884

Ion Ratio Lower Upper

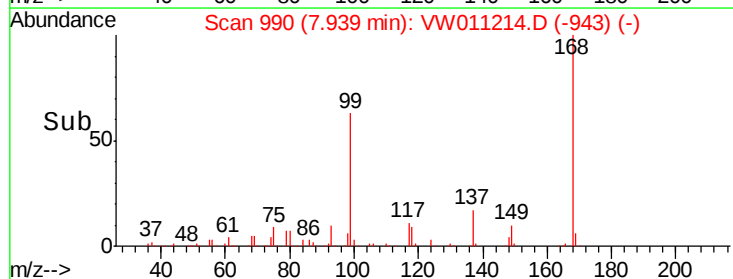
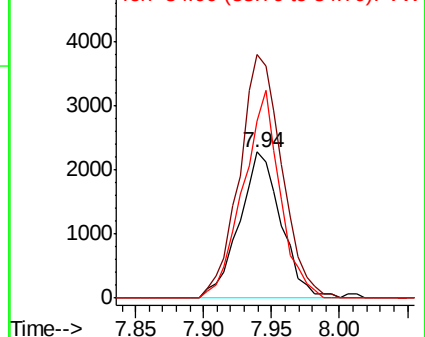
56 100

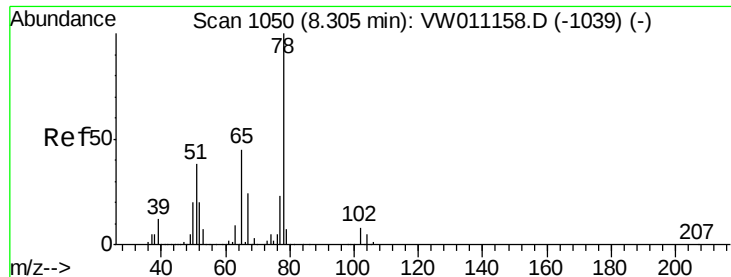
69 166.9 24.6 36.8#

84 121.6 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

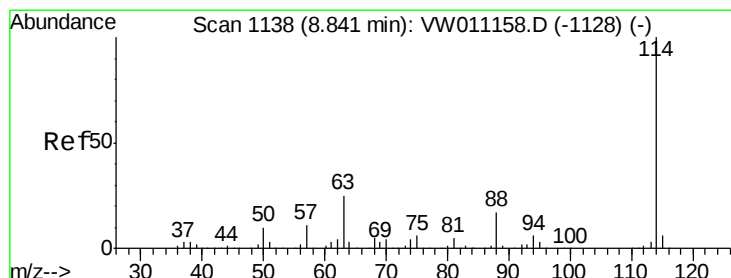
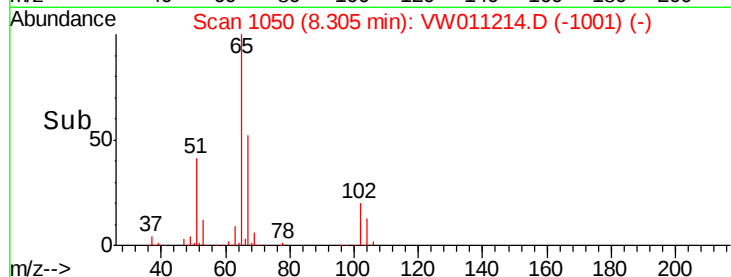
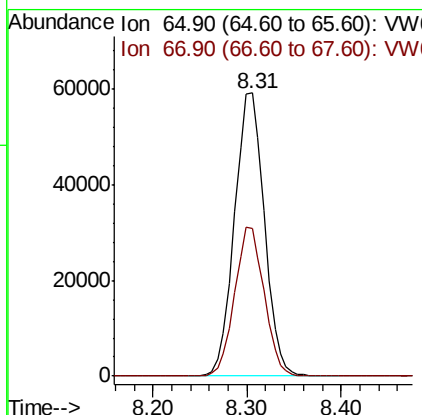
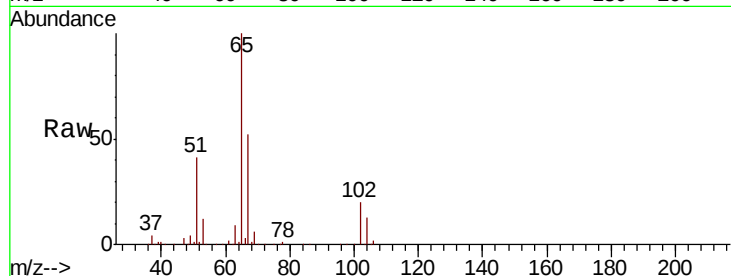




#33
 1,2-Dichloroethane-d4
 Concen: 54.995 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011214.D
 Acq: 11 Jul 2019 02:44

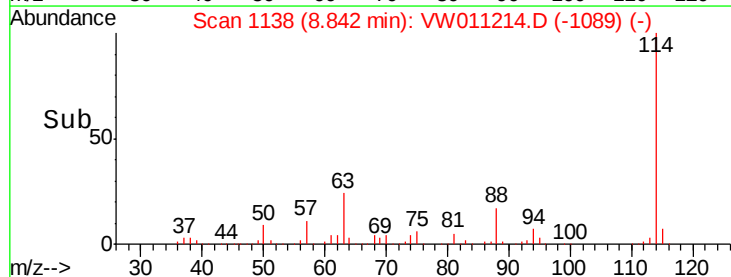
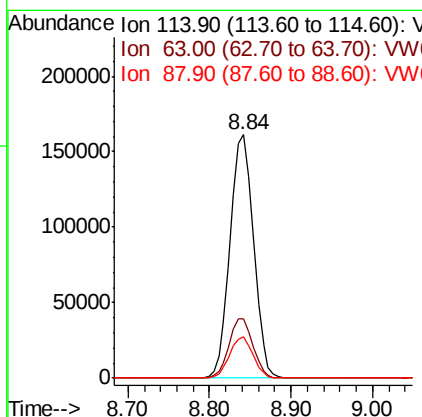
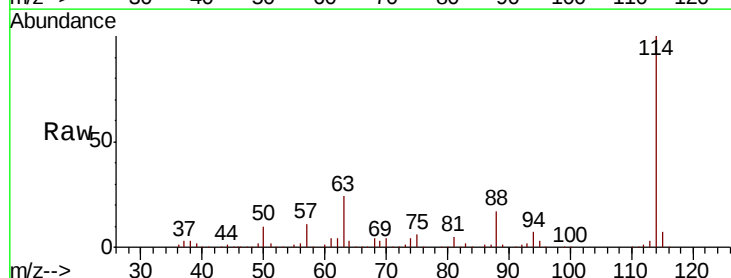
Instrument :
 MSVOA_W
 ClientSampleId :
 VOC-24

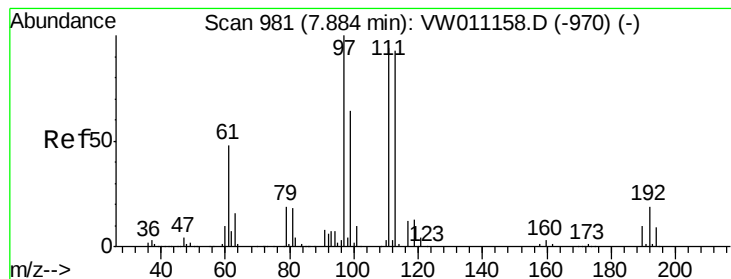
Tot Ion: 65 Resp: 130486
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011214.D
 Acq: 11 Jul 2019 02:44

Tgt Ion: 114 Resp: 320563
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.8
 88 16.9 0.0 34.2





#35

Dibromofluoromethane

Concen: 51.312 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011214.D

Acq: 11 Jul 2019 02:44

Instrument :

MSVOA_W

ClientSampled :

VOC-24

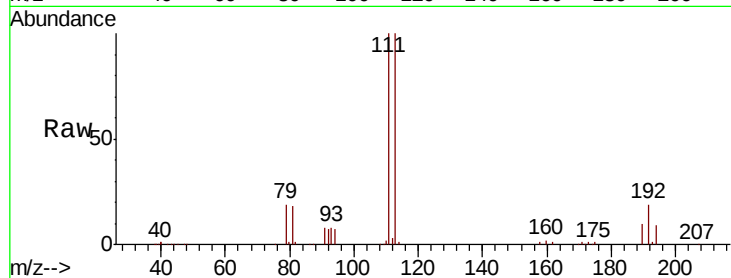
Tot Ion:113 Resp: 98042

Ion Ratio Lower Upper

113 100

111 103.8 82.4 123.6

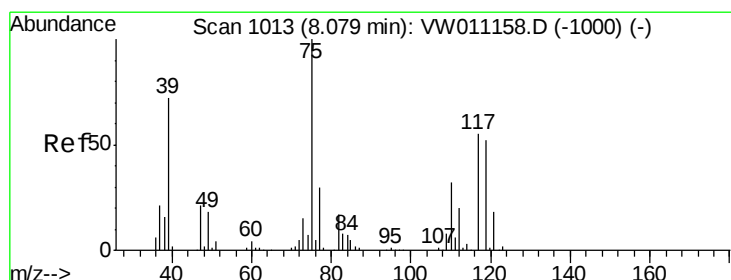
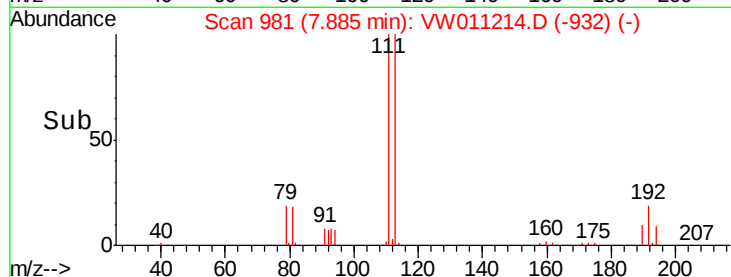
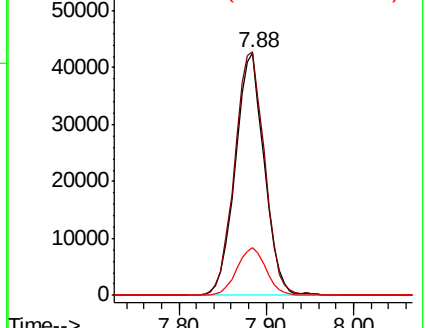
192 19.6 15.8 23.8



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: 5.149 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011214.D

Acq: 11 Jul 2019 02:44

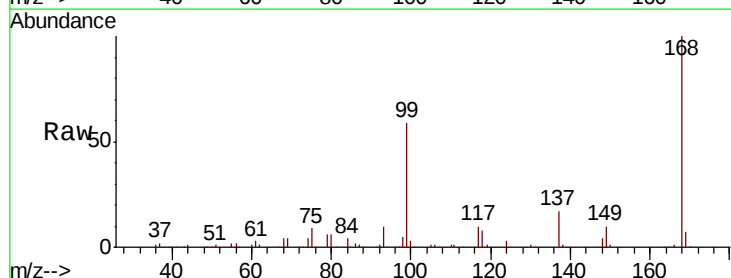
Tgt Ion: 75 Resp: 17577

Ion Ratio Lower Upper

75 100

110 8.1 15.9 47.6#

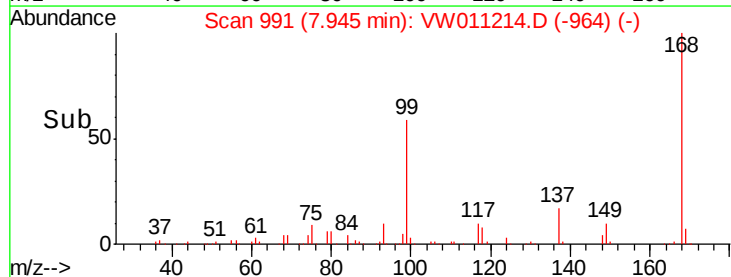
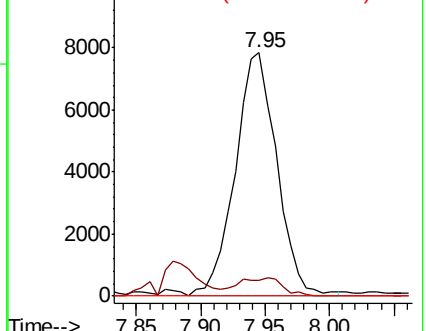
77 0.0 24.6 36.8#

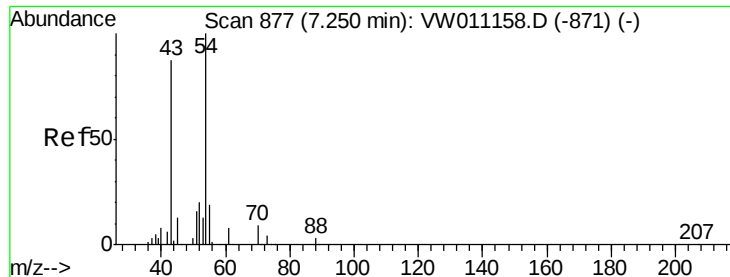


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 4.578 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.12 min

Lab File: VW011214.D

Acq: 11 Jul 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

VOC-24

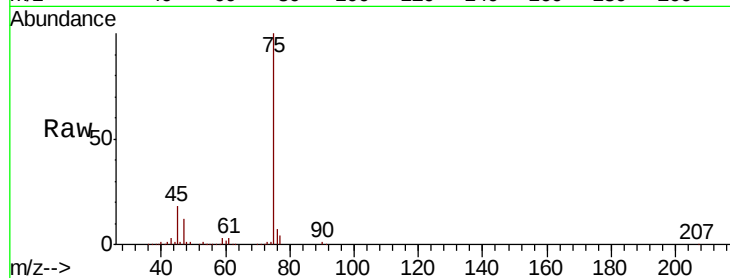
Tot Ion: 43 Resp: 9389

Ion Ratio Lower Upper

43 100

61 60.5 9.5 14.3#

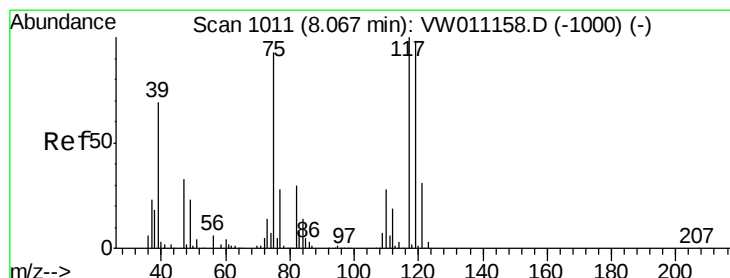
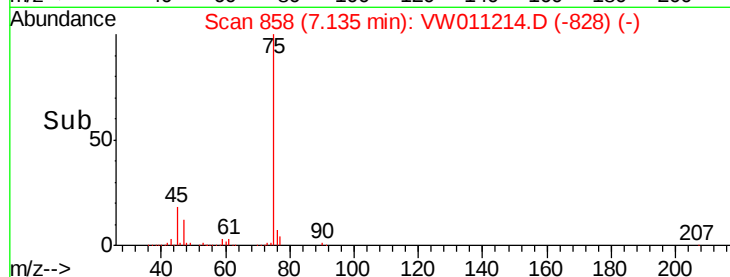
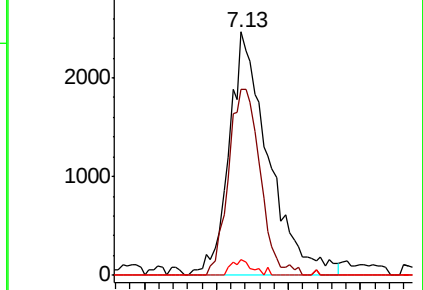
70 3.2 7.1 10.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.683 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW011214.D

Acq: 11 Jul 2019 02:44

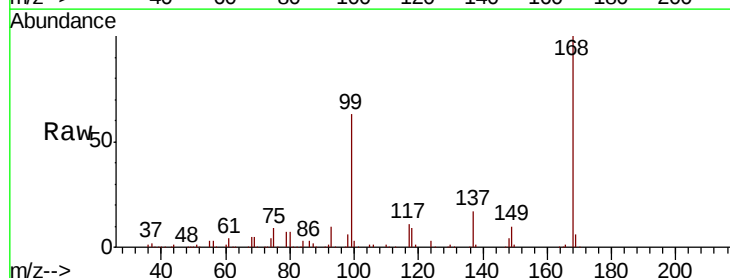
Tgt Ion: 117 Resp: 19341

Ion Ratio Lower Upper

117 100

119 5.8 78.1 117.1#

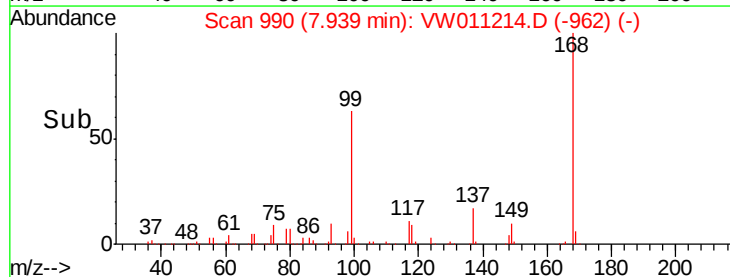
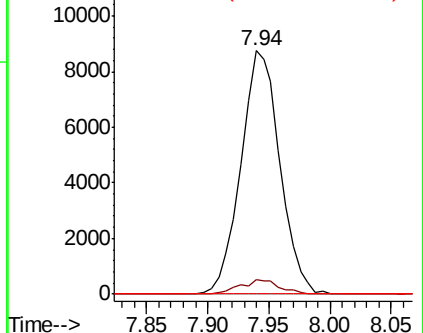
121 0.0 25.1 37.7#

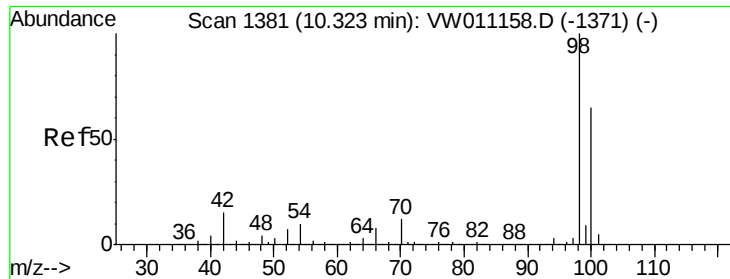


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.352 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011214.D

Acq: 11 Jul 2019 02:44

Instrument :

MSVOA_W

ClientSampled :

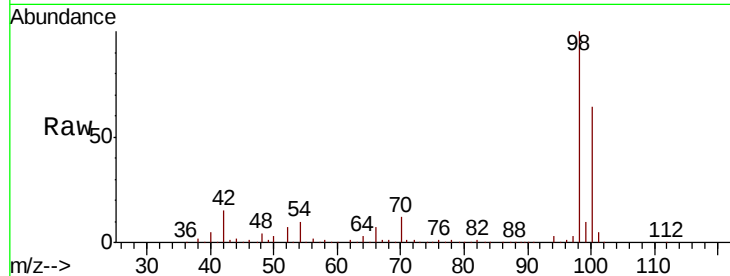
VOC-24

Tot Ion: 98 Resp: 396605

Ion Ratio Lower Upper

98 100

100 65.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

150000

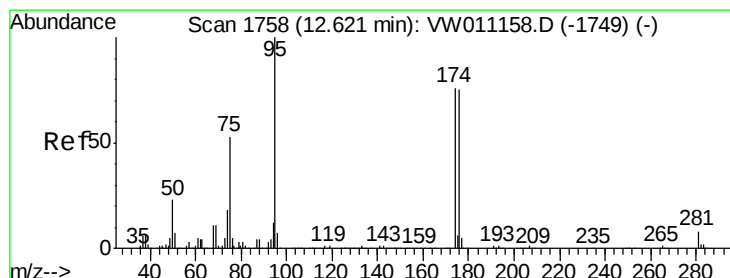
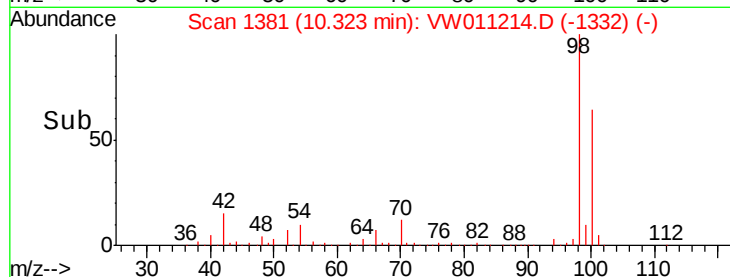
100000

50000

0

Time-->

10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 40.434 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011214.D

Acq: 11 Jul 2019 02:44

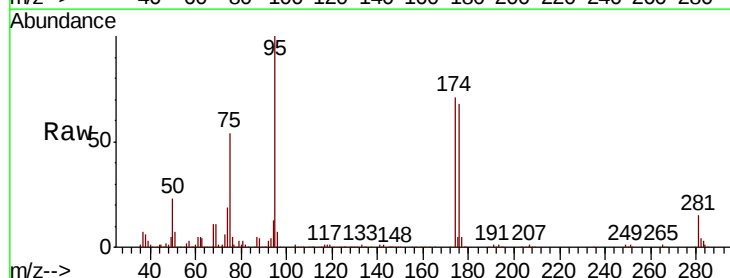
Tgt Ion: 95 Resp: 114463

Ion Ratio Lower Upper

95 100

174 74.9 0.0 147.6

176 72.3 0.0 144.6



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

12.62

80000

60000

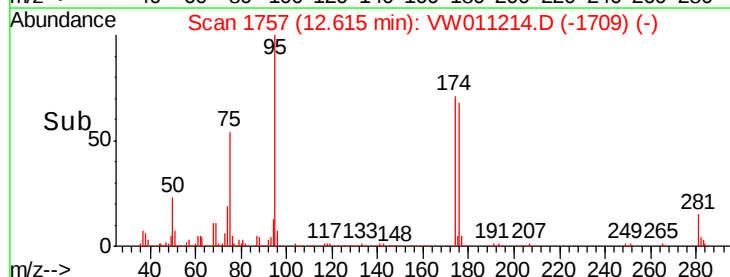
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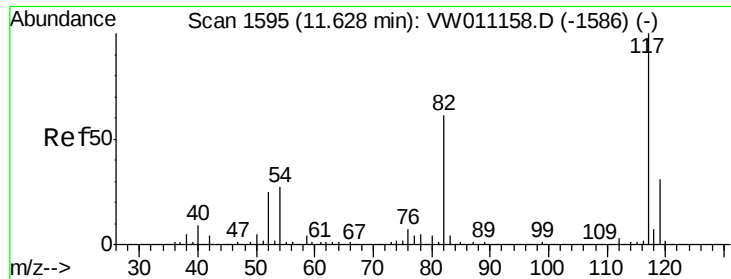
20000

0

Time-->

12.60 12.70

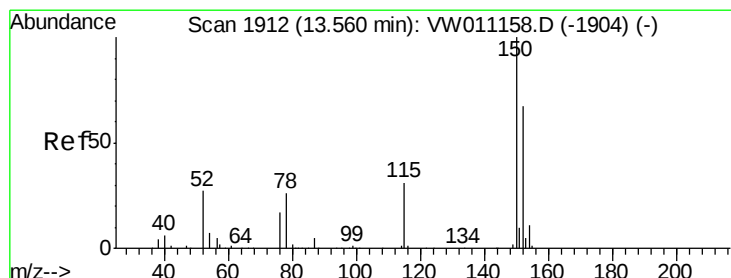
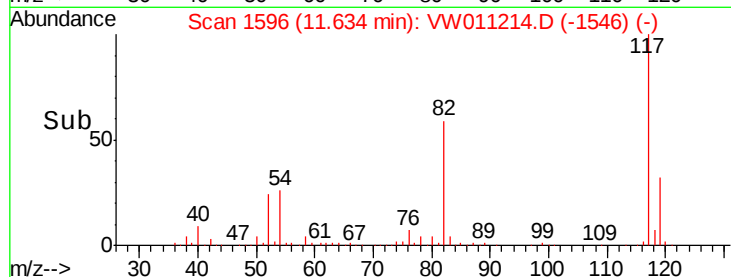
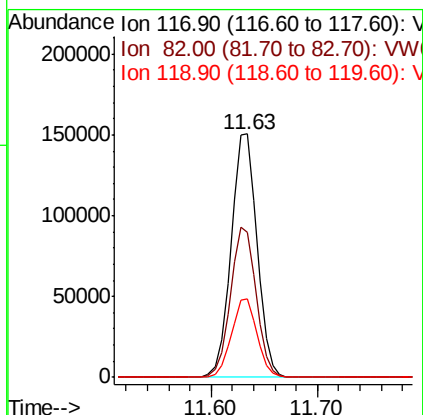
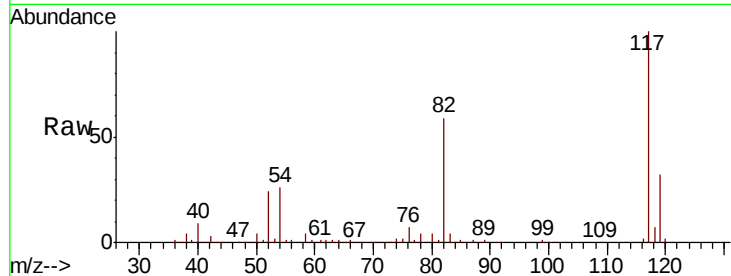




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011214.D
Acq: 11 Jul 2019 02:44

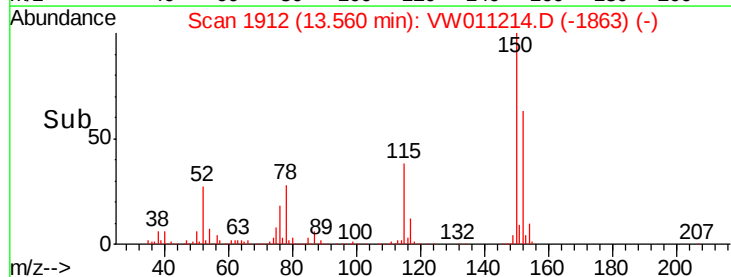
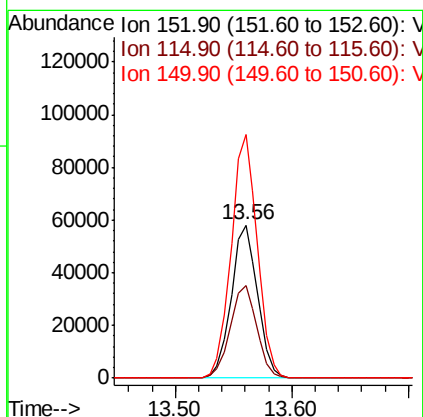
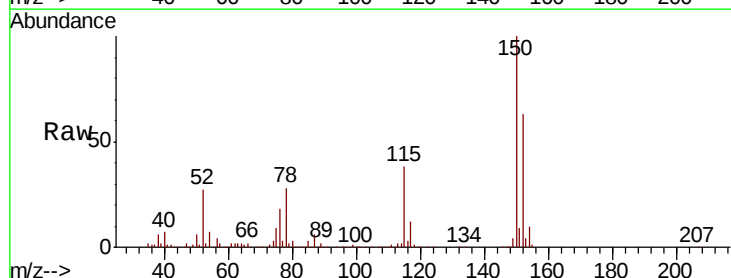
Instrument :
MSVOA_W
ClientSampleId :
VOC-24

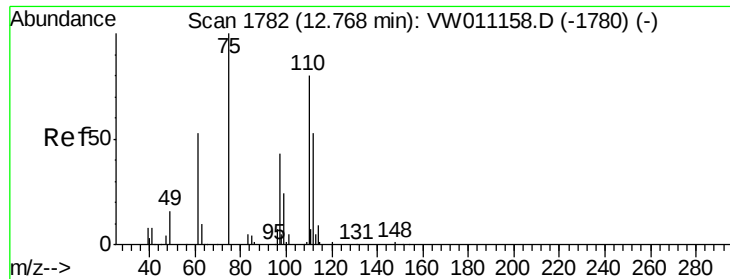
Tot Ion:117 Resp: 257704
Ion Ratio Lower Upper
117 100
82 59.5 48.9 73.3
119 32.0 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011214.D
Acq: 11 Jul 2019 02:44

Tgt Ion:152 Resp: 91058
Ion Ratio Lower Upper
152 100
115 61.1 30.1 90.3
150 158.2 0.0 346.0

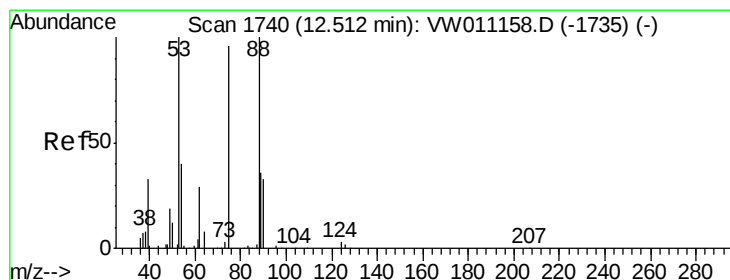
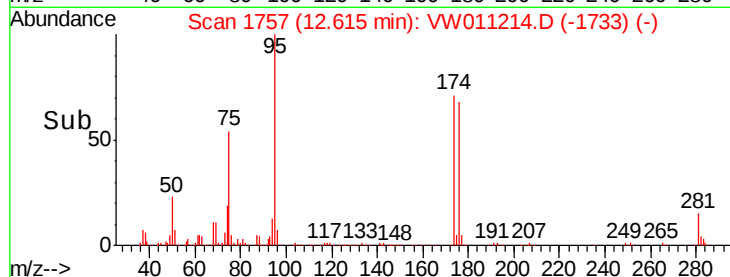
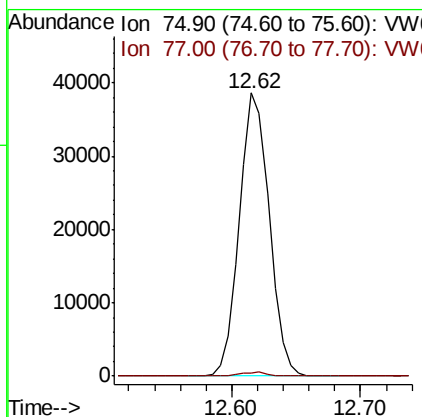
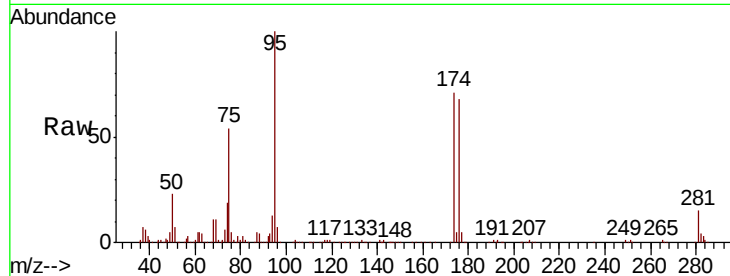




#76
 1,2,3-Trichloropropane
 Concen: 58.941 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011214.D
 Acq: 11 Jul 2019 02:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC-24

Tot Ion: 75 Resp: 62023
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.313 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011214.D
 Acq: 11 Jul 2019 02:44

Tgt Ion: 75 Resp: 62023
 Ion Ratio Lower Upper
 75 100
 53 0.2 89.8 134.6#
 89 0.2 34.3 51.5#

