

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
 Data File : VW011458.D
 Acq On : 24 Jul 2019 03:31
 Operator : SY/VA
 Sample : K3934-02
 Misc : 4.37G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2S-2

Quant Time: Jul 24 06:43:03 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	57989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	92675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	79530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	31778	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	37364	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
35) Dibromofluoromethane	7.88	113	28716	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
50) Toluene-d8	10.32	98	114163	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.62	95	38908	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	

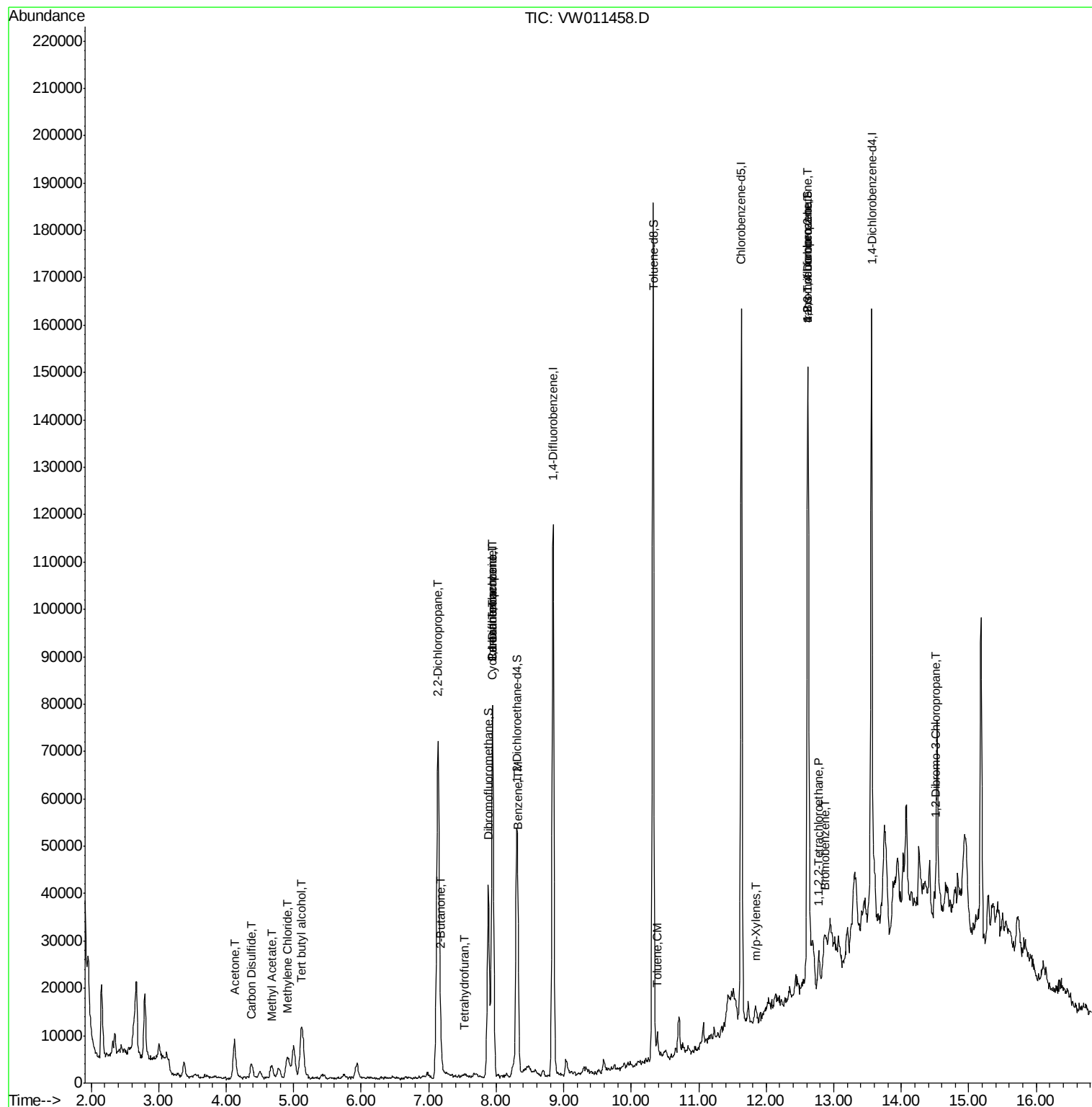
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	12209	226.314	ug/l #	73
16) Acetone	4.12	43	14627	83.429	ug/l	97
17) Carbon Disulfide	4.37	76	4820	2.468	ug/l	97
18) Methyl Acetate	4.67	43	6139	11.217	ug/l	92
20) Methylene Chloride	4.91	84	2485	3.593	ug/l #	78
25) 2-Butanone	7.18	43	5455	19.821	ug/l	92
26) 2,2-Dichloropropane	7.13	77	4796	6.954	ug/l #	53
29) Tetrahydrofuran	7.54	42	709	3.929	ug/l #	53
31) Cyclohexane	7.93	56	1838	1.302	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	4937	5.003	ug/l #	46
38) Carbon Tetrachloride	7.95	117	5744	6.866	ug/l #	15
40) Benzene	8.32	78	11710	4.293	ug/l #	90
52) Toluene	10.39	92	1876	1.134	ug/l	87
68) m/p-Xylenes	11.85	106	1213	1.083	ug/l	85
75) 1,1,2,2-Tetrachloroethane	12.78	83	523	1.074	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	19919	54.240	ug/l #	100
77) Bromobenzene	12.87	156	8879	16.655	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	19919	122.682	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.51	75	165	1.910	ug/l #	43

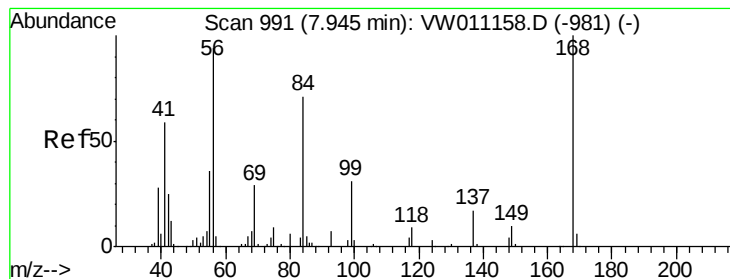
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072419\
Data File : VW011458.D
Acq On : 24 Jul 2019 03:31
Operator : SY/VA
Sample : K3934-02
Misc : 4.37G/5ML/MSVOA W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-2S-2

Quant Time: Jul 24 06:43:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011458.D

Acq: 24 Jul 2019 03:31

Instrument :

MSVOA_W

ClientSampled :

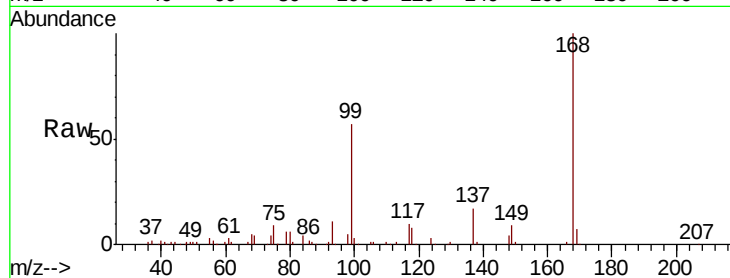
TP-2S-2

Tot Ion:168 Resp: 57989

Ion Ratio Lower Upper

168 100

99 57.1 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

25000

20000

15000

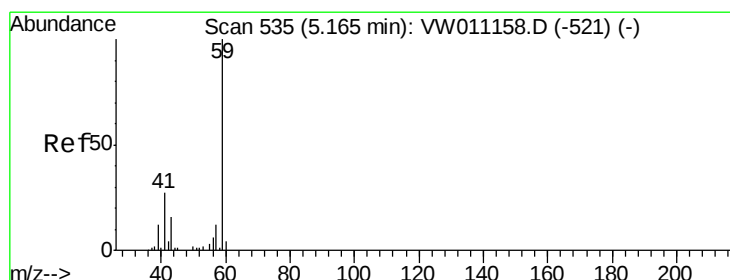
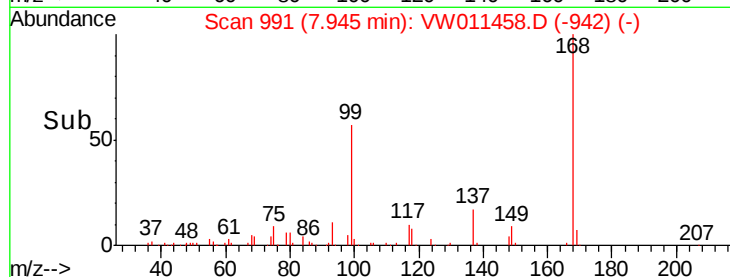
10000

5000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 226.314 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW011458.D

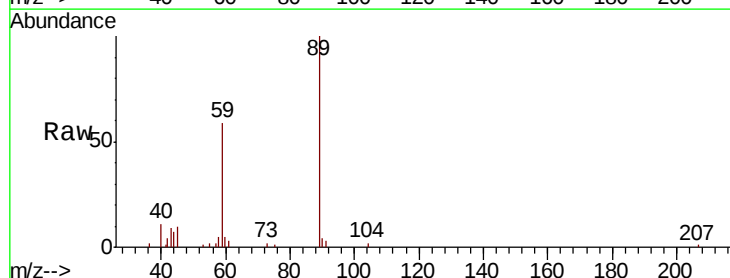
Acq: 24 Jul 2019 03:31

Tgt Ion: 59 Resp: 12209

Ion Ratio Lower Upper

59 100

57 1.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

3000

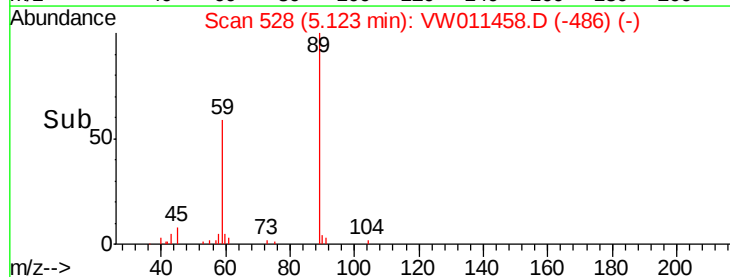
2000

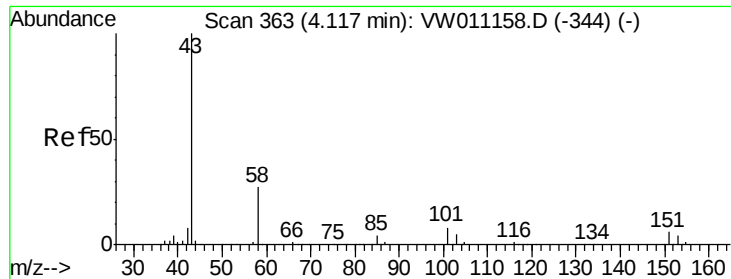
1000

0

5.00 5.10 5.20

Time-->





#16

Acetone

Concen: 83.429 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011458.D

Acq: 24 Jul 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

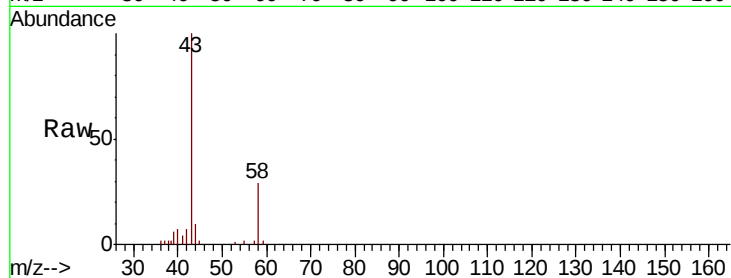
TP-2S-2

Tot Ion: 43 Resp: 14627

Ion Ratio Lower Upper

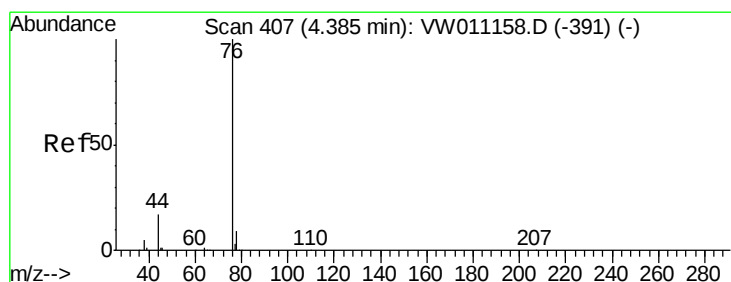
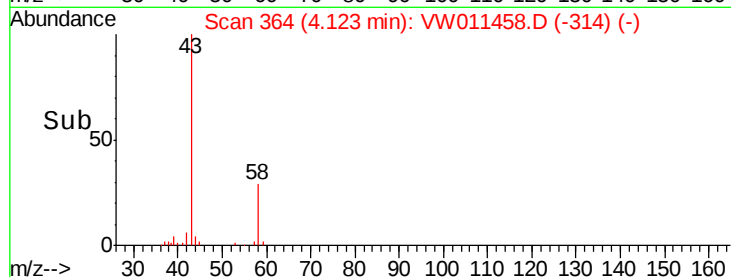
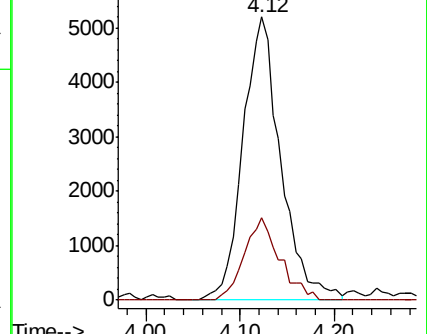
43 100

58 28.9 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 2.468 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011458.D

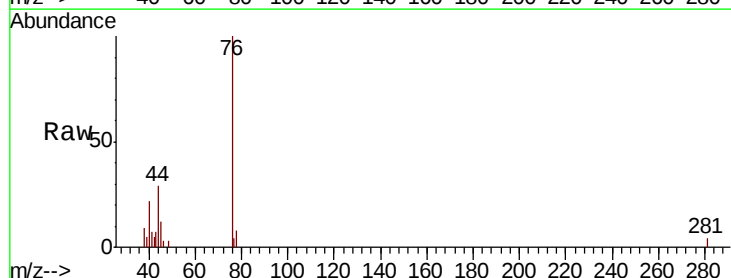
Acq: 24 Jul 2019 03:31

Tgt Ion: 76 Resp: 4820

Ion Ratio Lower Upper

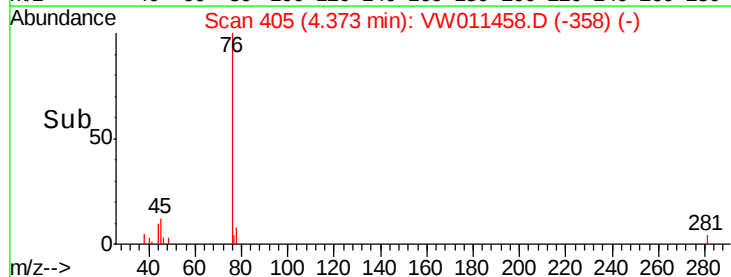
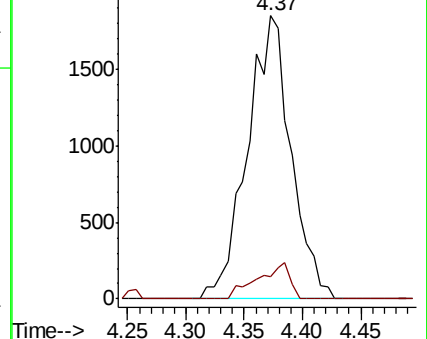
76 100

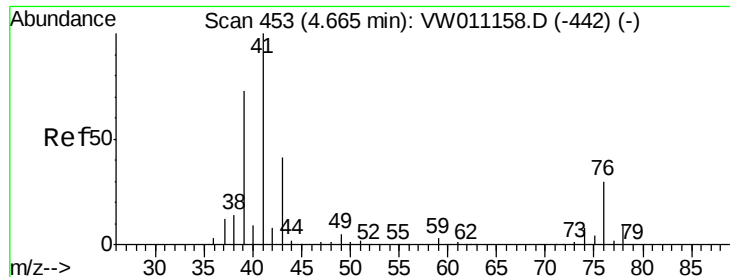
78 7.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

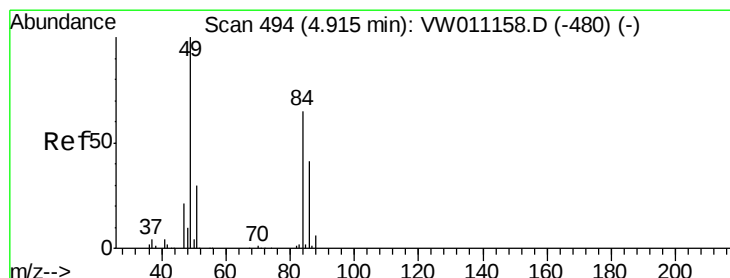
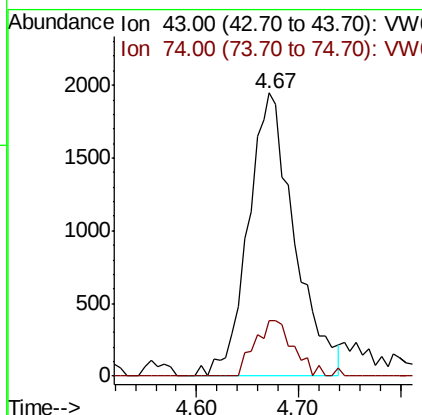
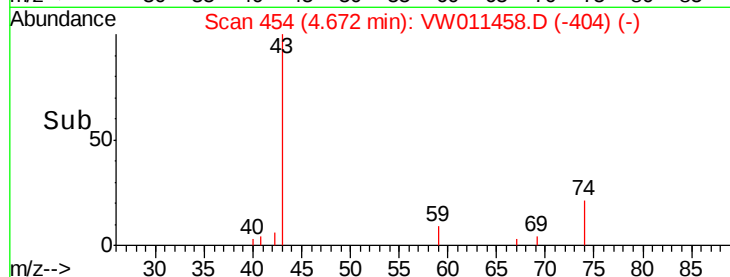
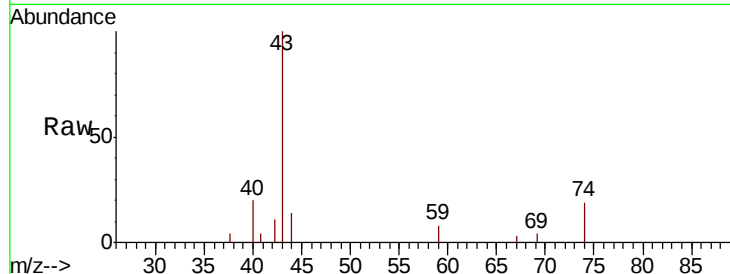




#18
Methyl Acetate
Concen: 11.217 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011458.D
Acq: 24 Jul 2019 03:31

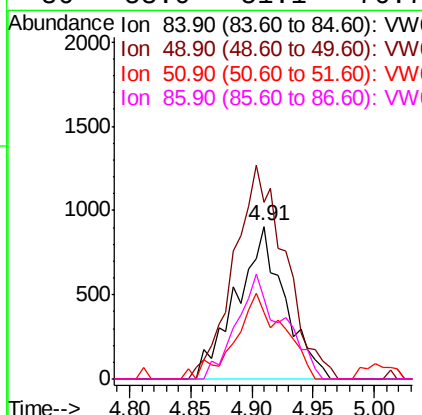
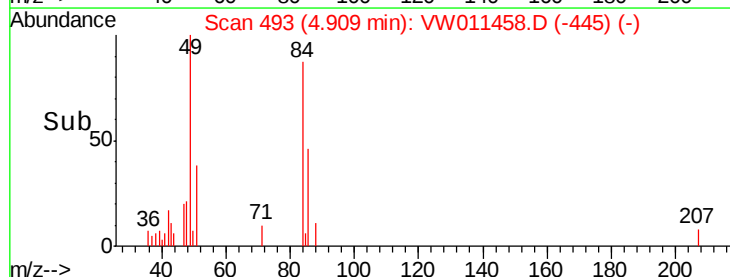
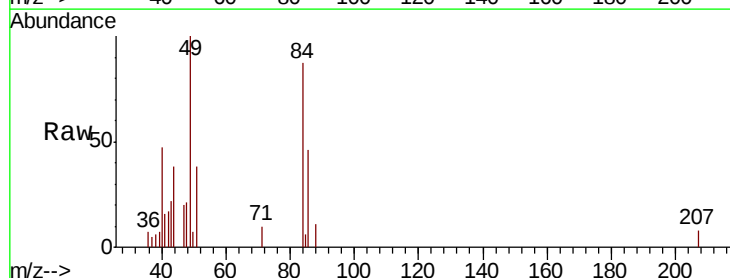
Instrument :
MSVOA_W
ClientSampled :
TP-2S-2

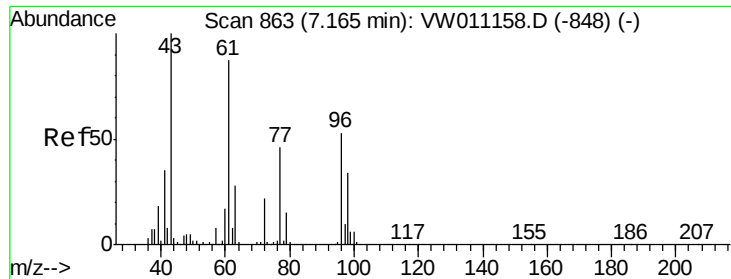
Tot Ion: 43 Resp: 6139
Ion Ratio Lower Upper
43 100
74 16.2 15.7 23.5



#20
Methylene Chloride
Concen: 3.593 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011458.D
Acq: 24 Jul 2019 03:31

Tgt Ion: 84 Resp: 2485
Ion Ratio Lower Upper
84 100
49 115.3 123.8 185.6#
51 43.8 37.4 56.2
86 53.0 51.1 76.7





#25

2-Butanone

Concen: 19.821 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011458.D

Acq: 24 Jul 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

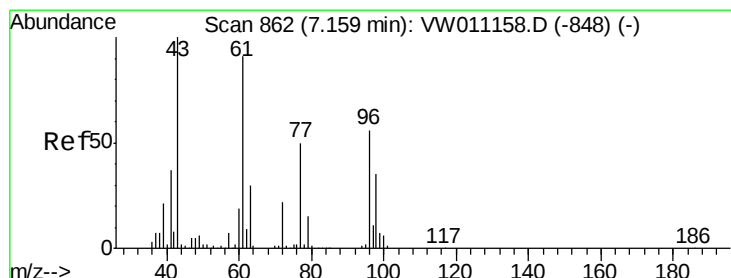
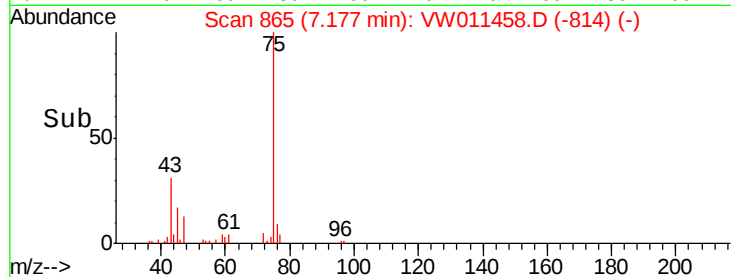
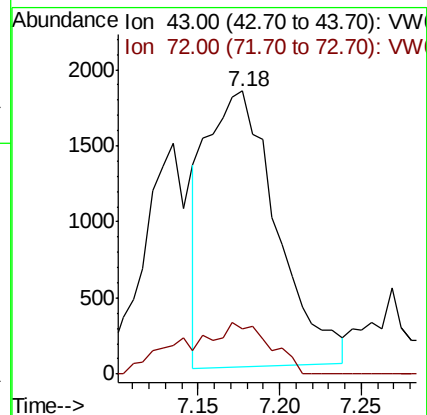
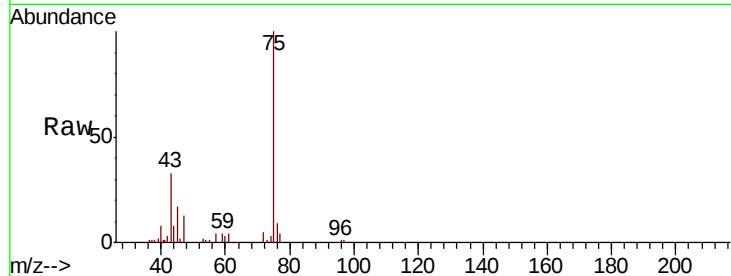
TP-2S-2

Tot Ion: 43 Resp: 5455

Ion Ratio Lower Upper

43 100

72 18.2 17.6 26.4



#26

2,2-Dichloropropane

Concen: 6.954 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW011458.D

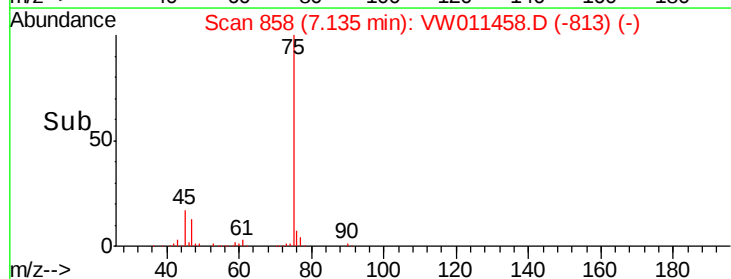
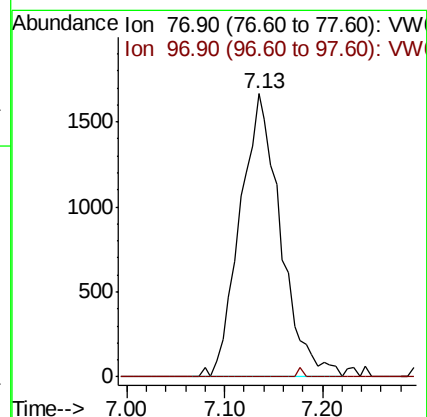
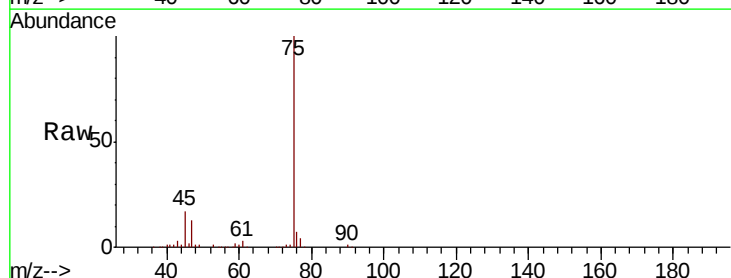
Acq: 24 Jul 2019 03:31

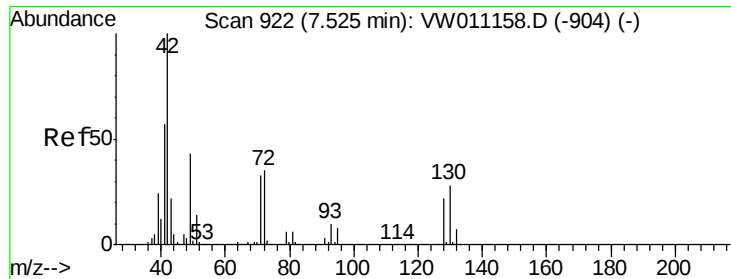
Tgt Ion: 77 Resp: 4796

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#

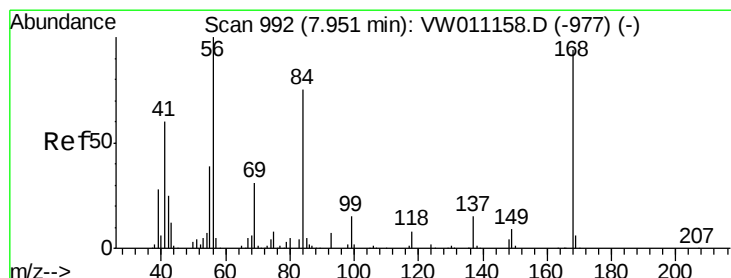
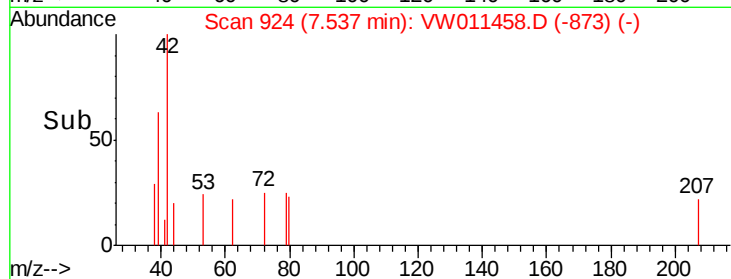
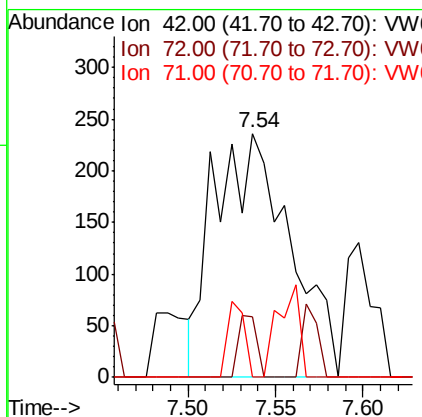
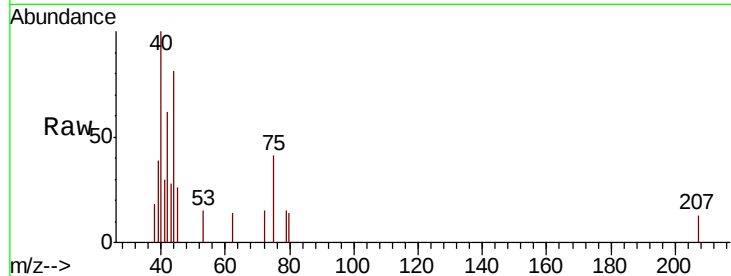




#29
Tetrahydrofuran
Concen: 3.929 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011458.D
Acq: 24 Jul 2019 03:31

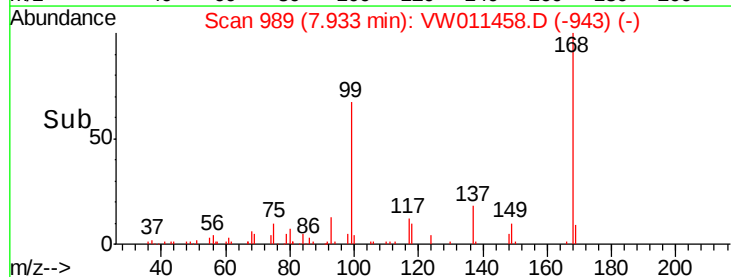
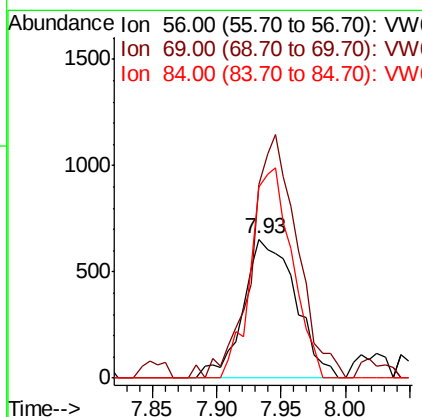
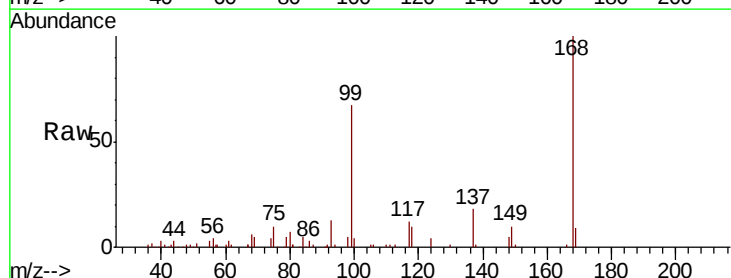
Instrument :
MSVOA_W
ClientSampled :
TP-2S-2

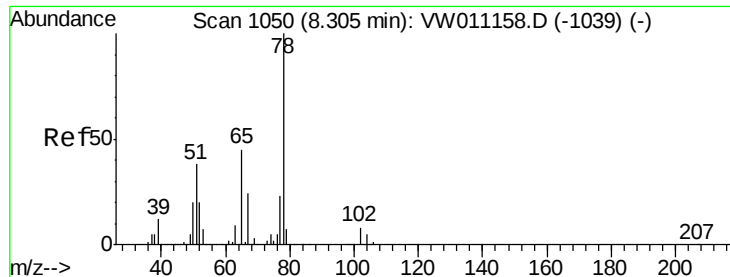
Tot Ion: 42 Resp: 709
Ion Ratio Lower Upper
42 100
72 6.2 27.4 41.2#
71 7.1 25.9 38.9#



#31
Cyclohexane
Concen: 1.302 ug/l
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW011458.D
Acq: 24 Jul 2019 03:31

Tgt Ion: 56 Resp: 1838
Ion Ratio Lower Upper
56 100
69 139.5 24.6 36.8#
84 137.4 60.1 90.1#





#33

1,2-Dichloroethane-d4

Concen: 51.278 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011458.D

Acq: 24 Jul 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

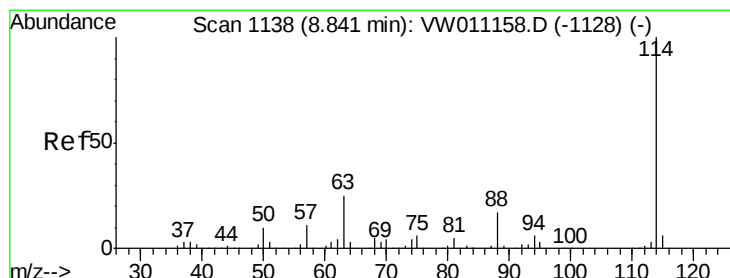
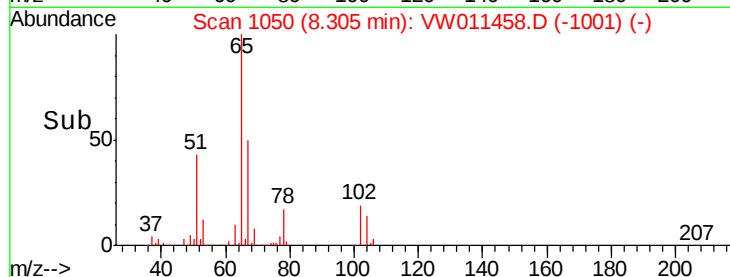
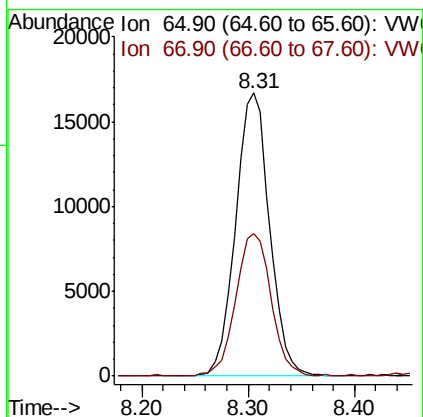
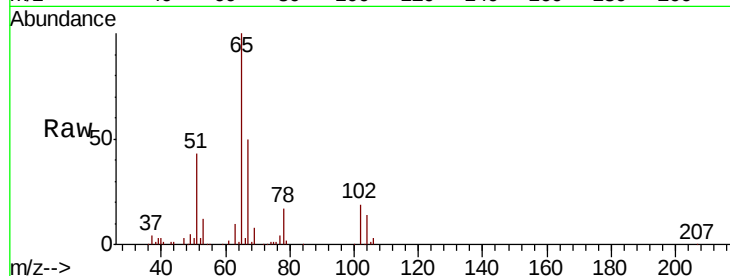
TP-2S-2

Tot Ion: 65 Resp: 37364

Ion Ratio Lower Upper

65 100

67 52.5 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: VW011458.D

Acq: 24 Jul 2019 03:31

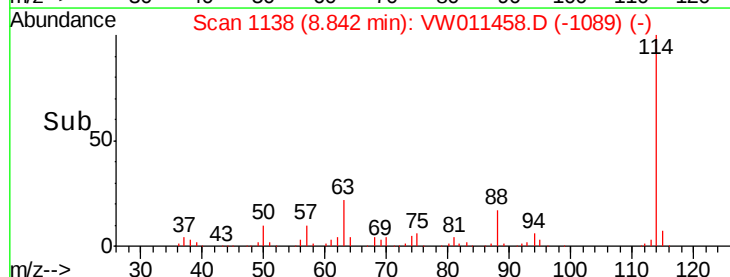
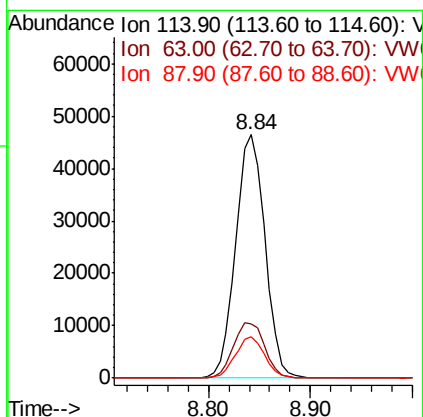
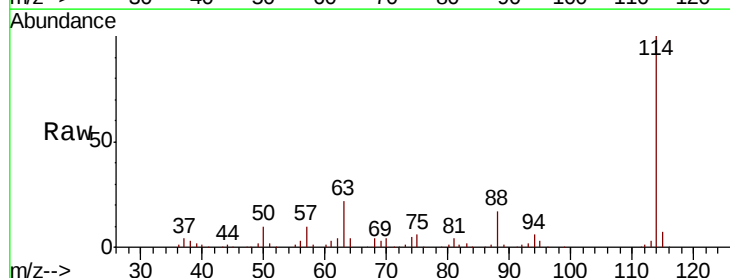
Tgt Ion: 114 Resp: 92675

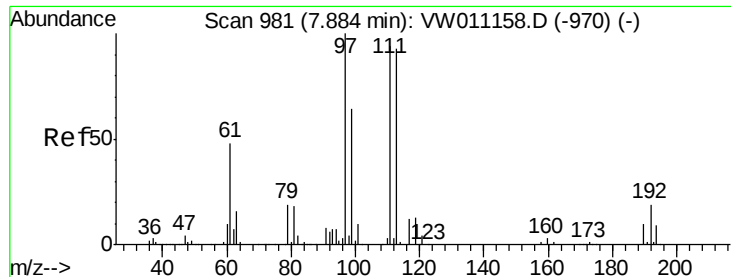
Ion Ratio Lower Upper

114 100

63 22.4 0.0 50.8

88 17.0 0.0 34.2

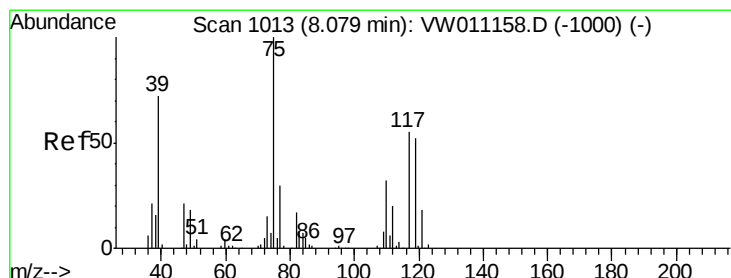
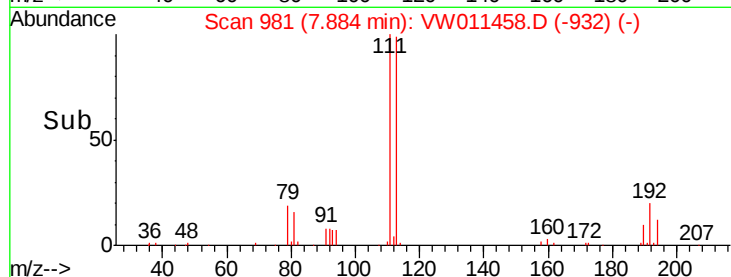
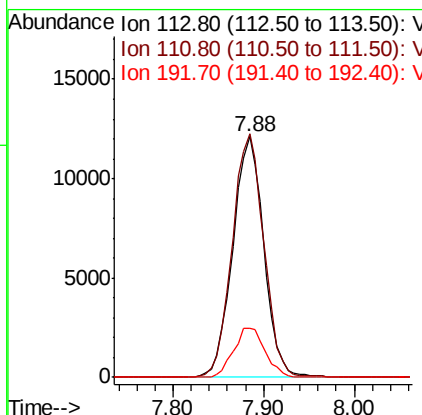
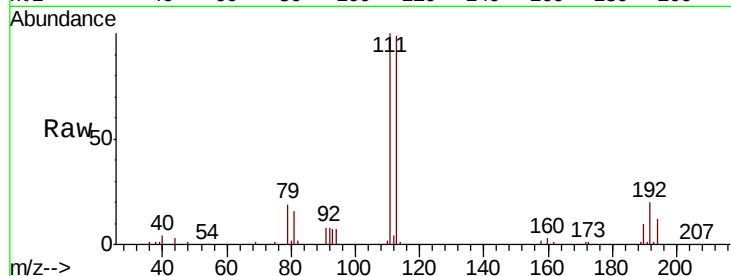




#35
Dibromofluoromethane
Concen: 51.986 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW011458.D
Acq: 24 Jul 2019 03:31

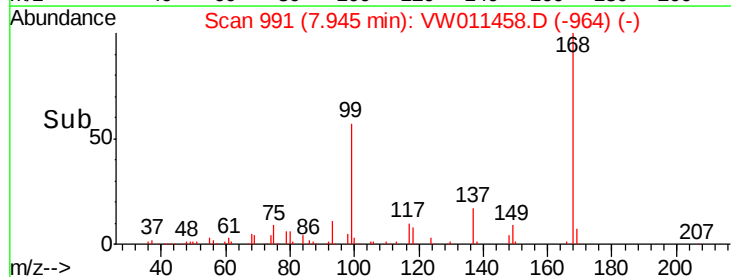
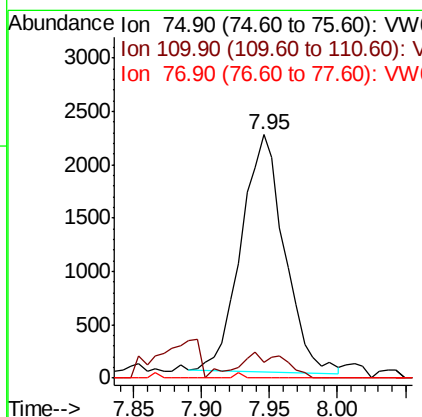
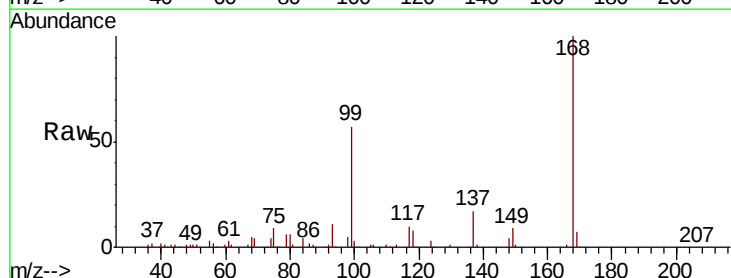
Instrument :
MSVOA_W
ClientSampleId :
TP-2S-2

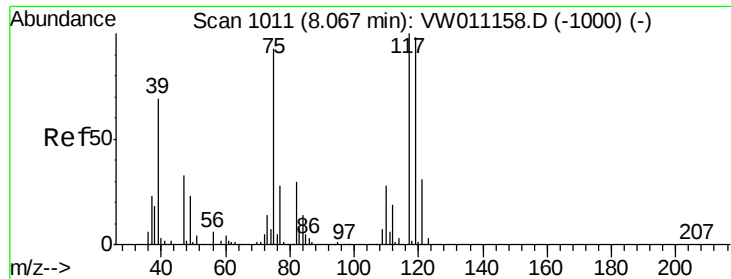
Tot Ion:113 Resp: 28716
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 20.6 15.8 23.8



#36
1,1-Dichloropropene
Concen: 5.003 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW011458.D
Acq: 24 Jul 2019 03:31

Tgt Ion: 75 Resp: 4937
Ion Ratio Lower Upper
75 100
110 3.2 15.9 47.6#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.866 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011458.D

Acq: 24 Jul 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

TP-2S-2

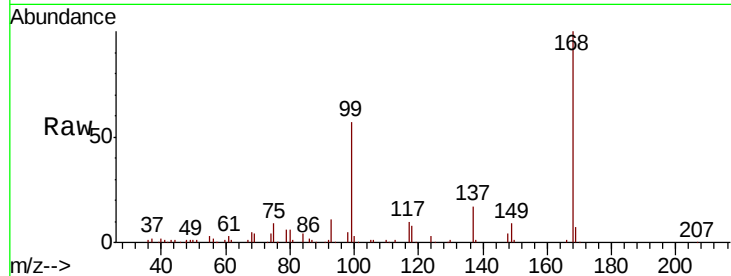
Tot Ion:117 Resp: 5744

Ion Ratio Lower Upper

117 100

119 4.3 78.1 117.1#

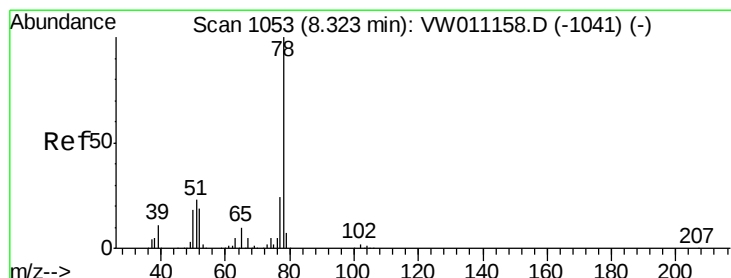
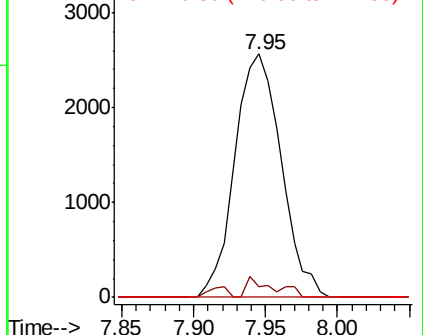
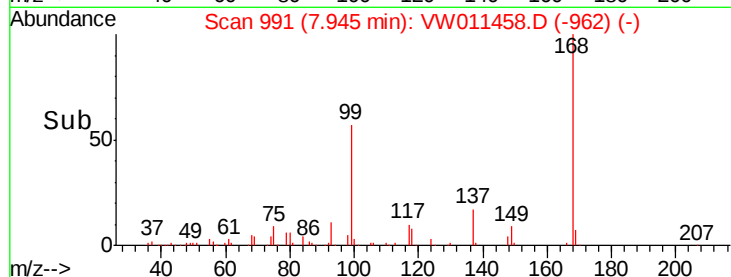
121 0.0 25.1 37.7#



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



#40

Benzene

Concen: 4.293 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW011458.D

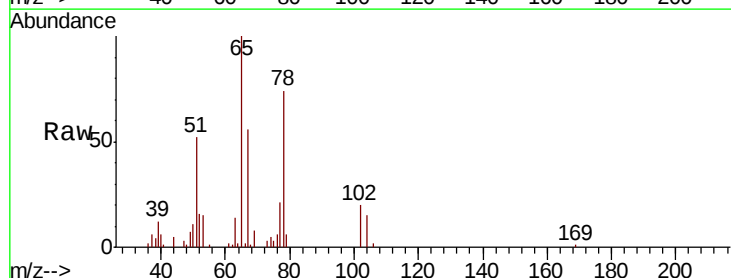
Acq: 24 Jul 2019 03:31

Tgt Ion: 78 Resp: 11710

Ion Ratio Lower Upper

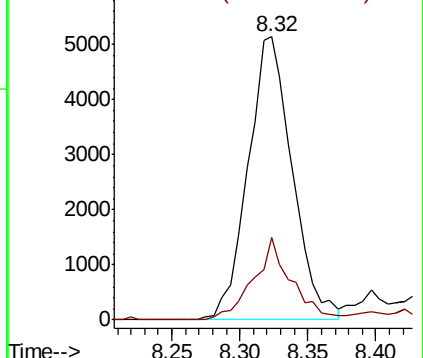
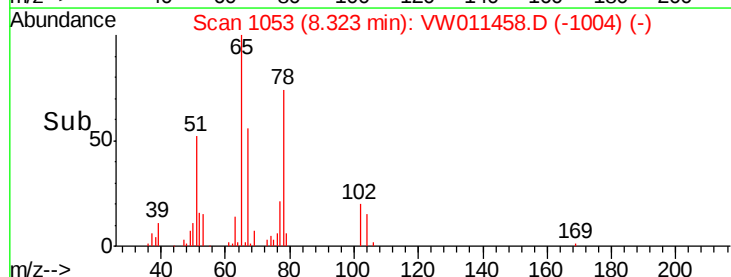
78 100

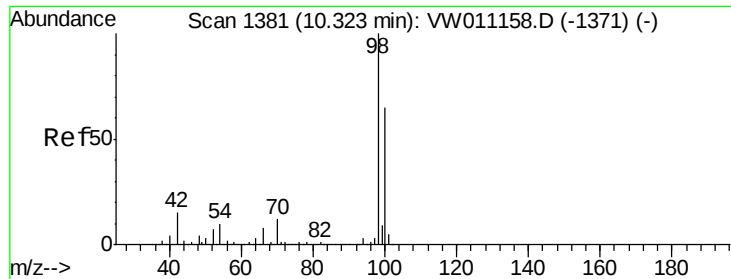
77 28.9 19.0 28.6#



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#50

Toluene-d8

Concen: 51.130 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011458.D

Acq: 24 Jul 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

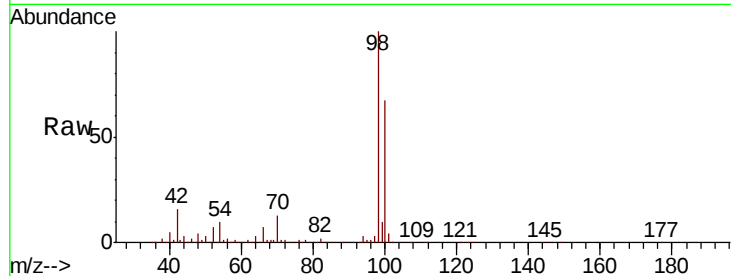
TP-2S-2

Tot Ion: 98 Resp: 114163

Ion Ratio Lower Upper

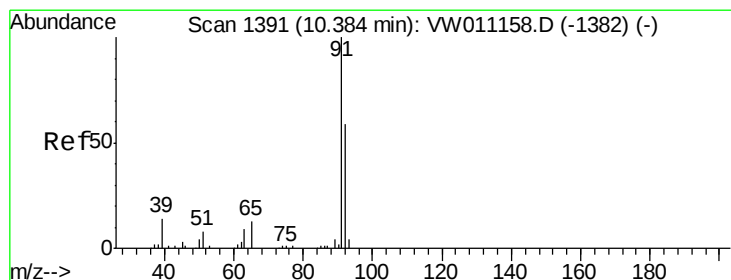
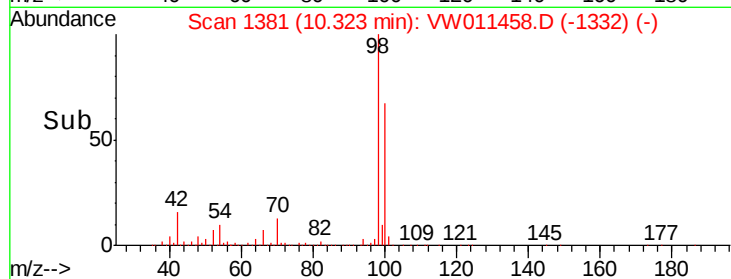
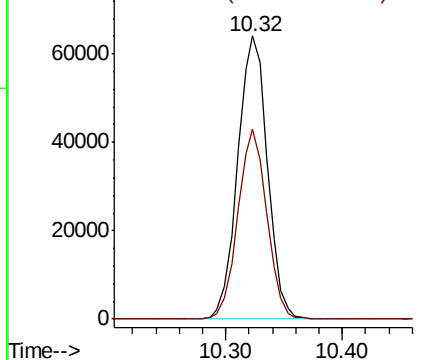
98 100

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



#52

Toluene

Concen: 1.134 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011458.D

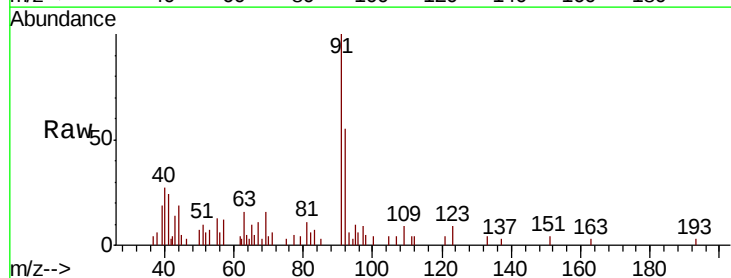
Acq: 24 Jul 2019 03:31

Tgt Ion: 92 Resp: 1876

Ion Ratio Lower Upper

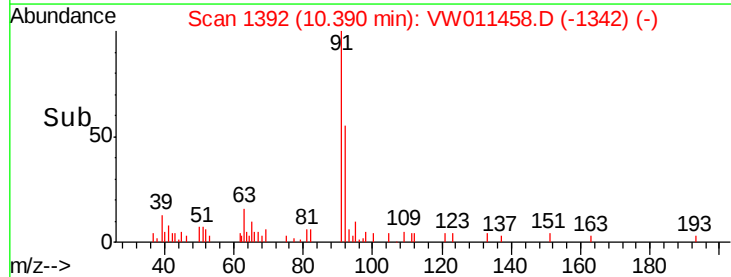
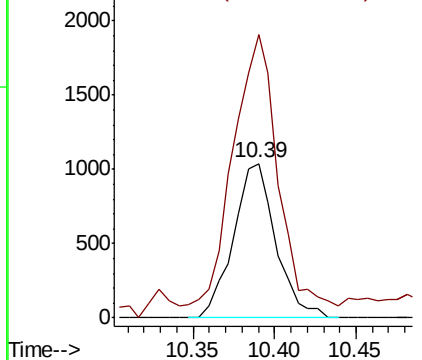
92 100

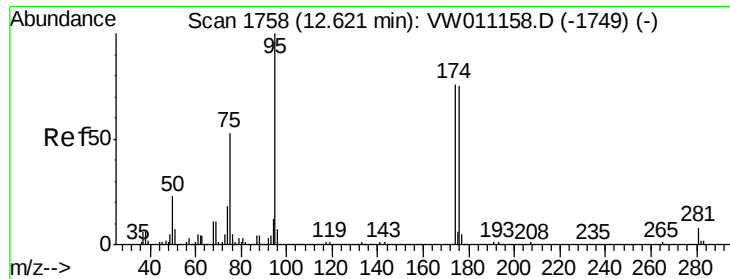
91 189.2 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

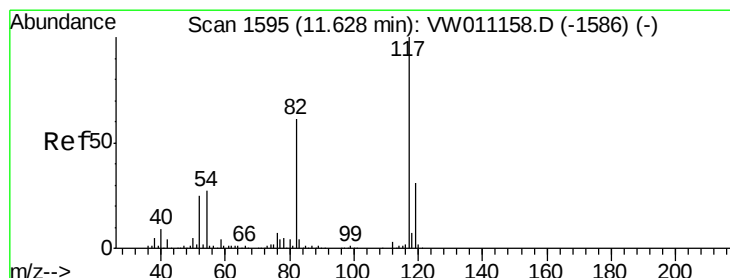
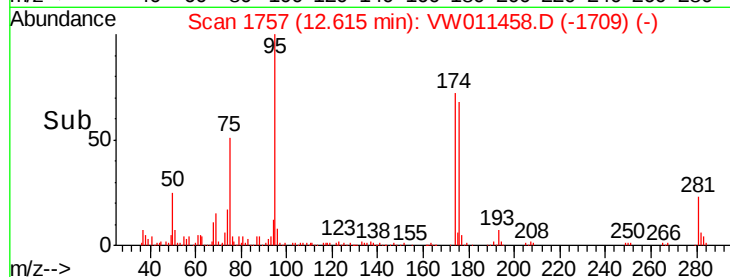
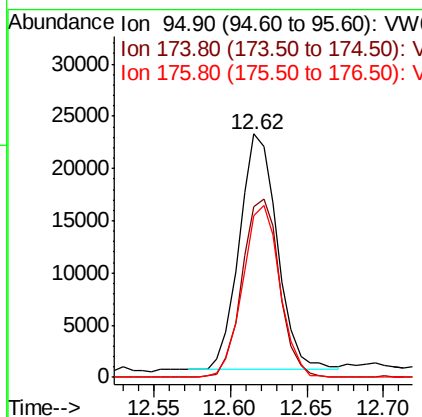
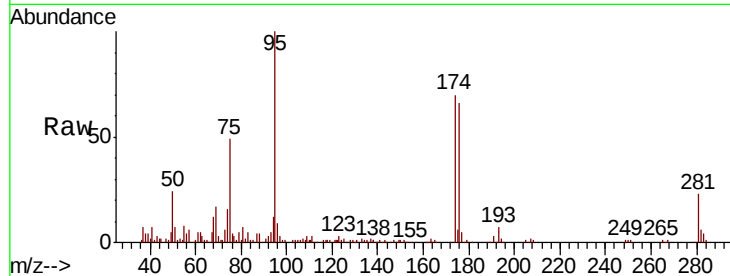




#62
4-Bromofluorobenzene
Concen: 47.541 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011458.D
Acq: 24 Jul 2019 03:31

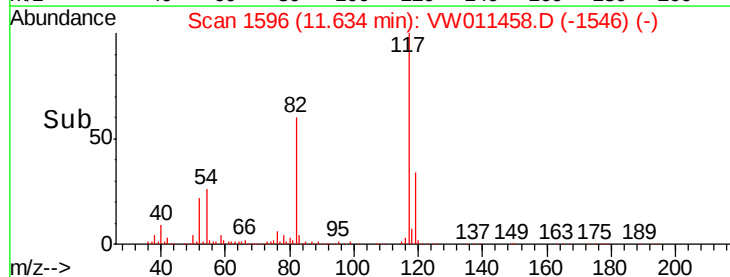
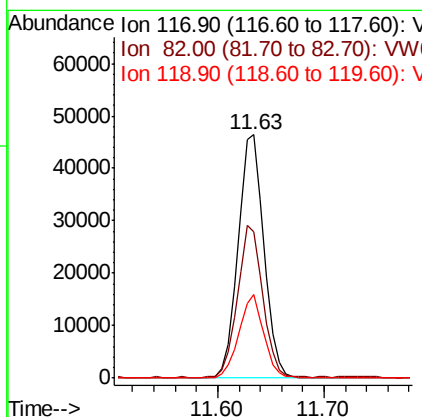
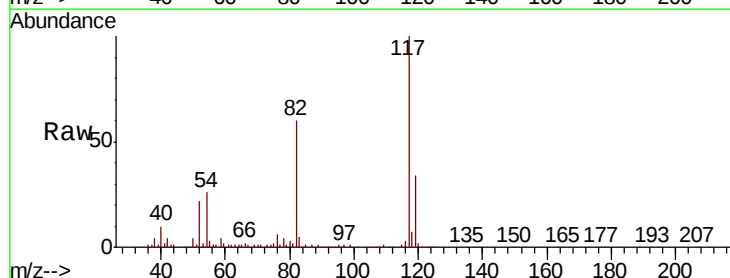
Instrument :
MSVOA_W
ClientSampleId :
TP-2S-2

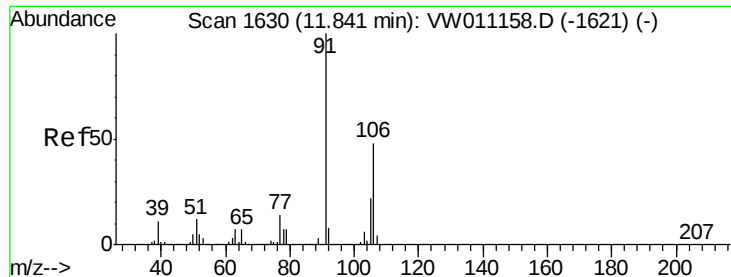
Tot Ion: 95 Resp: 38908
Ion Ratio Lower Upper
95 100
174 74.5 0.0 147.6
176 71.3 0.0 144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011458.D
Acq: 24 Jul 2019 03:31

Tgt Ion: 117 Resp: 79530
Ion Ratio Lower Upper
117 100
82 60.0 48.9 73.3
119 34.0 25.0 37.6

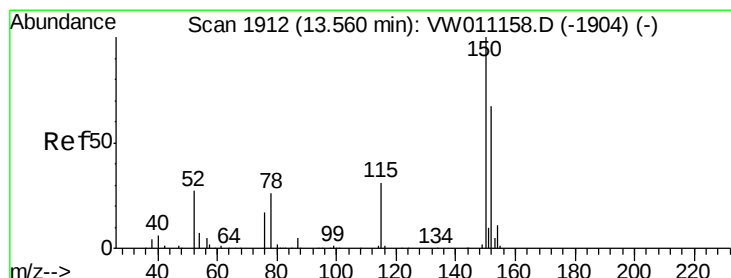
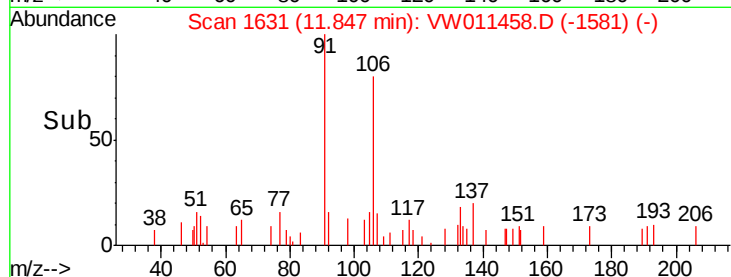
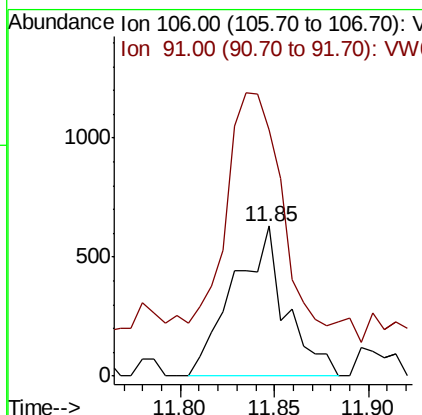
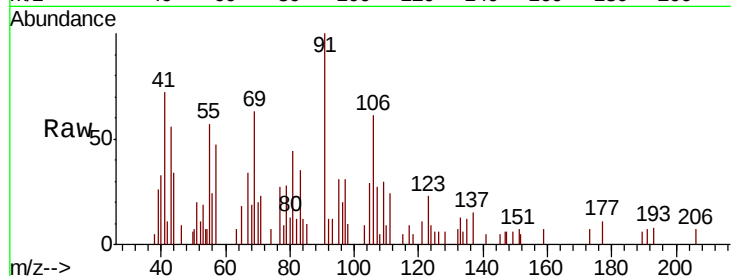




#68
m/p-Xvlenes
Concen: 1.083 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW011458.D
Acq: 24 Jul 2019 03:31

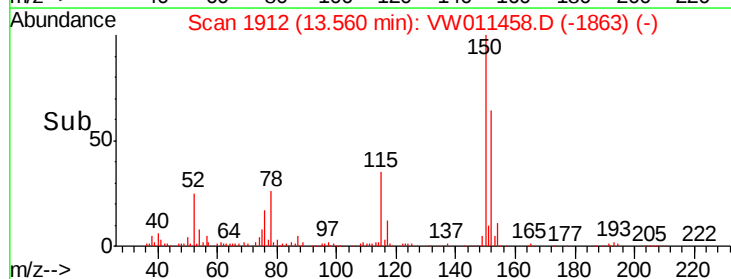
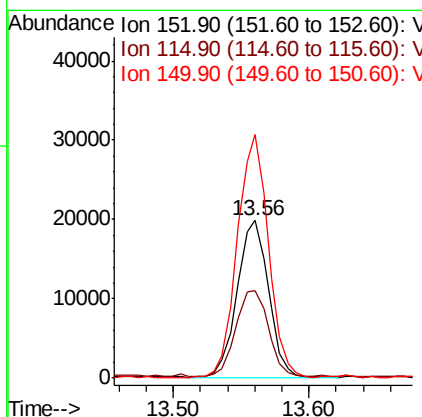
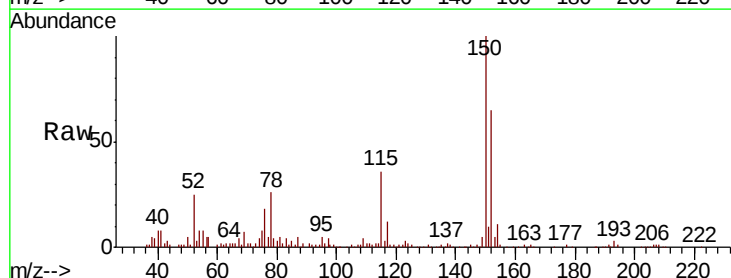
Instrument :
MSVOA_W
ClientSampleId :
TP-2S-2

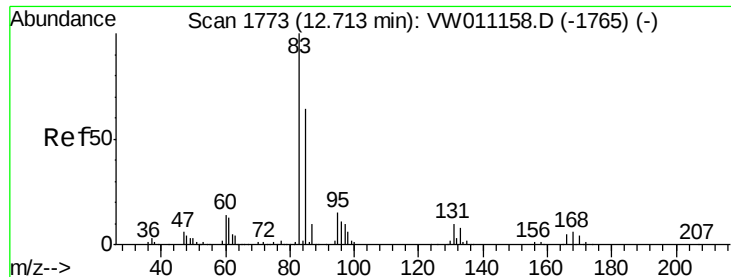
Tot Ion:106 Resp: 1213
Ion Ratio Lower Upper
106 100
91 185.6 167.7 251.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011458.D
Acq: 24 Jul 2019 03:31

Tgt Ion:152 Resp: 31778
Ion Ratio Lower Upper
152 100
115 58.0 30.1 90.3
150 153.5 0.0 346.0

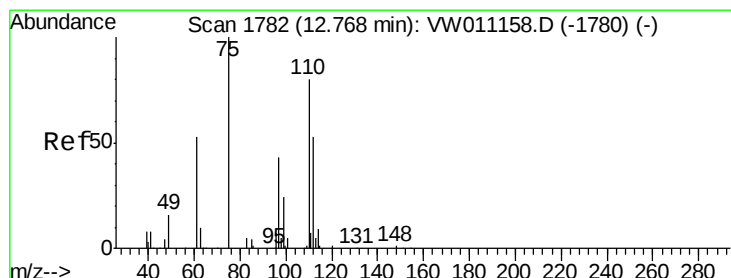
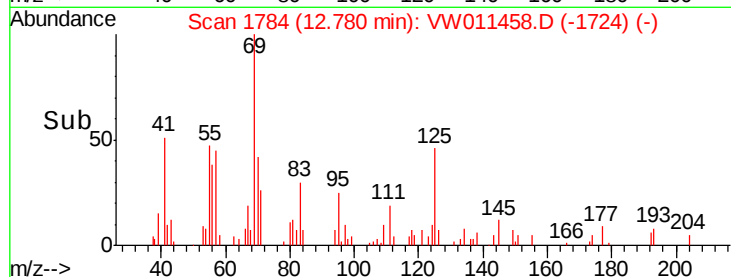
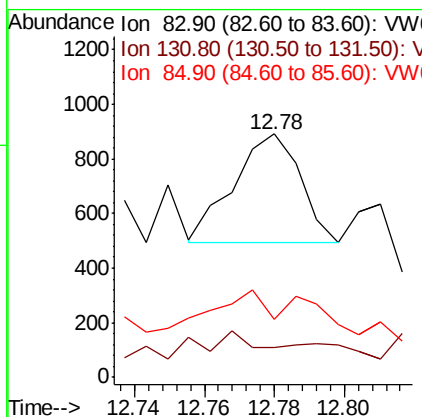
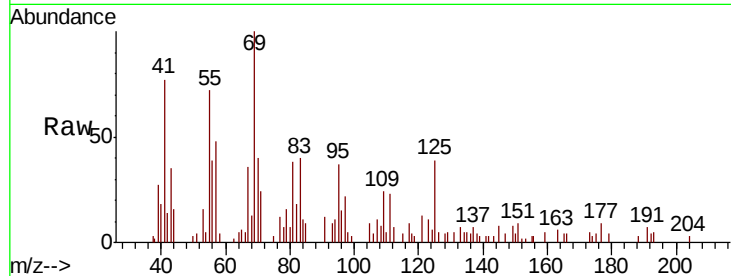




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.074 ug/l
 RT: 12.78 min Scan# 1784
 Delta R.T. 0.07 min
 Lab File: VW011458.D
 Acq: 24 Jul 2019 03:31

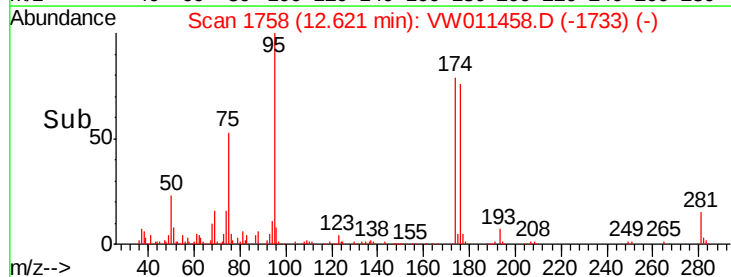
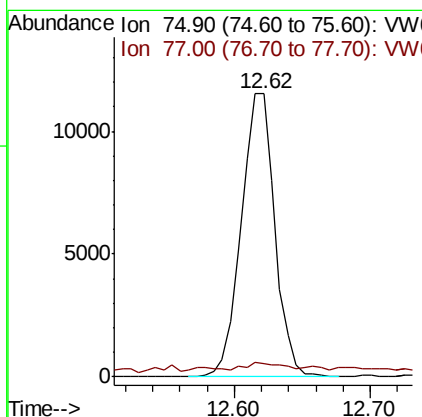
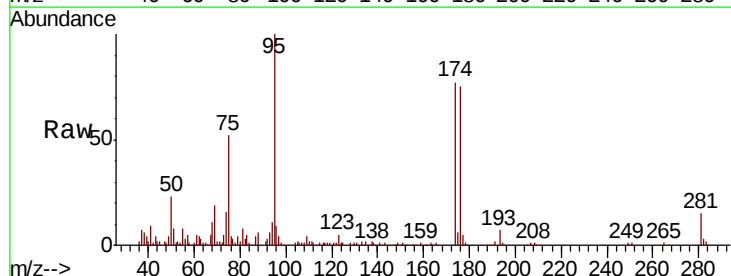
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2S-2

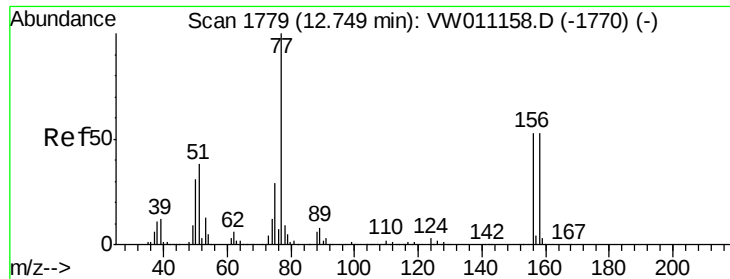
Tot Ion: 83 Resp: 523
 Ion Ratio Lower Upper
 83 100
 131 61.8 5.0 15.0#
 85 31.5 31.6 94.8#



#76
 1,2,3-Trichloropropane
 Concen: 54.240 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW011458.D
 Acq: 24 Jul 2019 03:31

Tgt Ion: 75 Resp: 19919
 Ion Ratio Lower Upper
 75 100
 77 3.0 0.0 0.0#





#77

Bromobenzene

Concen: 16.655 ug/l

RT: 12.87 min Scan# 1799

Delta R.T. 0.12 min

Lab File: VW011458.D

Acq: 24 Jul 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

TP-2S-2

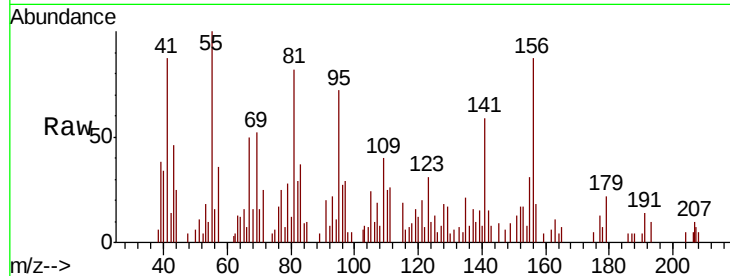
Tot Ion:156 Resp: 8879

Ion Ratio Lower Upper

156 100

77 7.2 109.0 327.0#

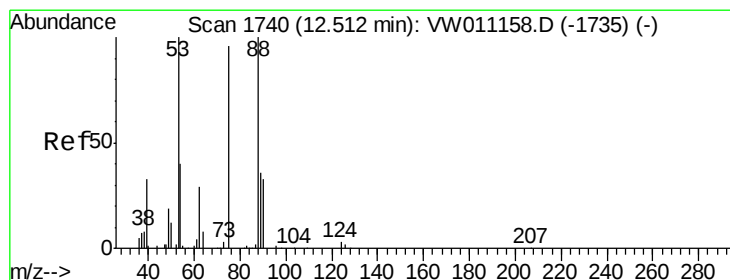
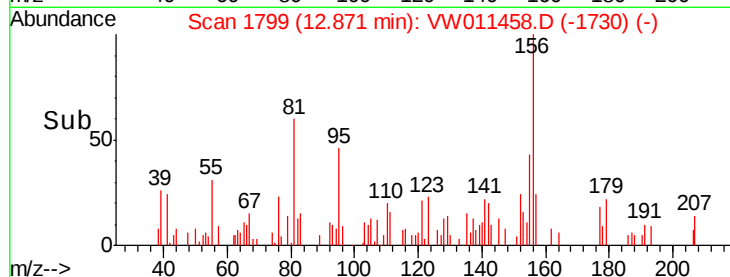
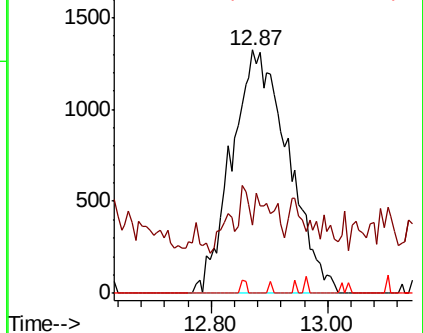
158 0.0 48.8 146.3#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 122.682 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011458.D

Acq: 24 Jul 2019 03:31

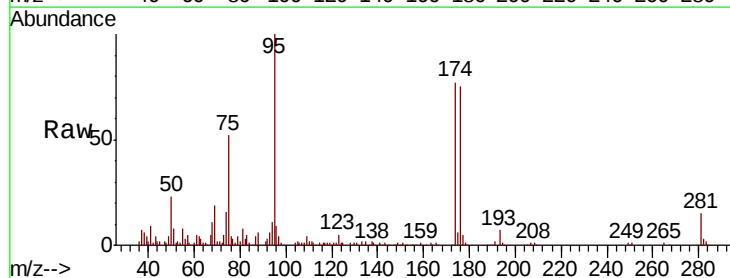
Tgt Ion: 75 Resp: 19919

Ion Ratio Lower Upper

75 100

53 2.7 89.8 134.6#

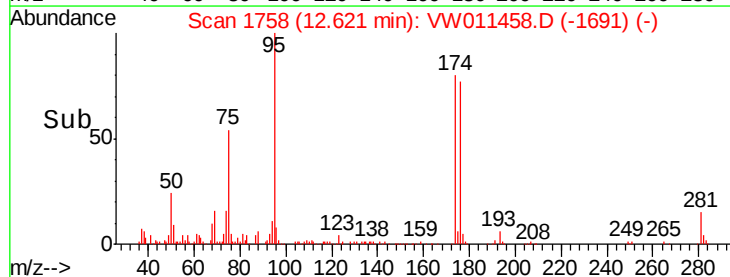
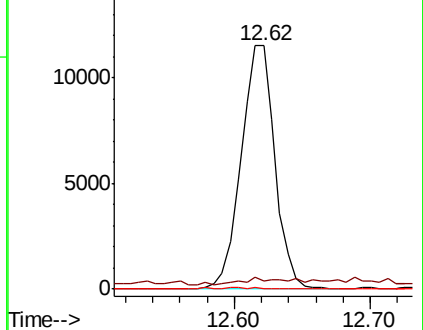
89 0.0 34.3 51.5#

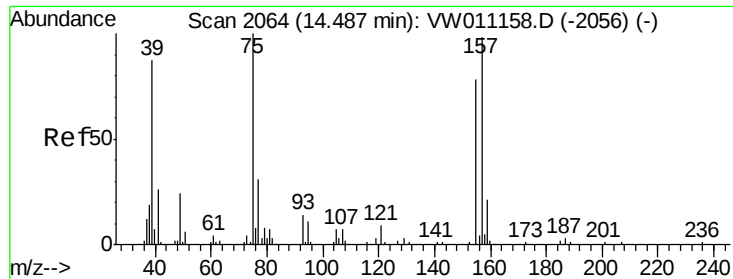


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.910 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.02 min

Lab File: VW011458.D

Acq: 24 Jul 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

TP-2S-2

Tot Ion: 75 Resp: 165

Ion Ratio Lower Upper

75 100

155 0.0 37.1 111.3#

157 64.2 48.5 145.6

