

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012651.D
 Acq On : 05 Sep 2019 19:45
 Operator : SY/VA
 Sample : K4547-08RE
 Misc : 2.50G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T3-S-F-(0)RE

Quant Time: Sep 06 07:54:59 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	193981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	320365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	215911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69656	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	147618	64.02	ug/l	0.00
Spiked Amount			Recovery	=	128.04%	
35) Dibromofluoromethane	7.88	113	107242	56.08	ug/l	0.00
Spiked Amount			Recovery	=	112.16%	
50) Toluene-d8	10.32	98	341095	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	
62) 4-Bromofluorobenzene	12.62	95	94879	34.71	ug/l	0.00
Spiked Amount			Recovery	=	69.42%	

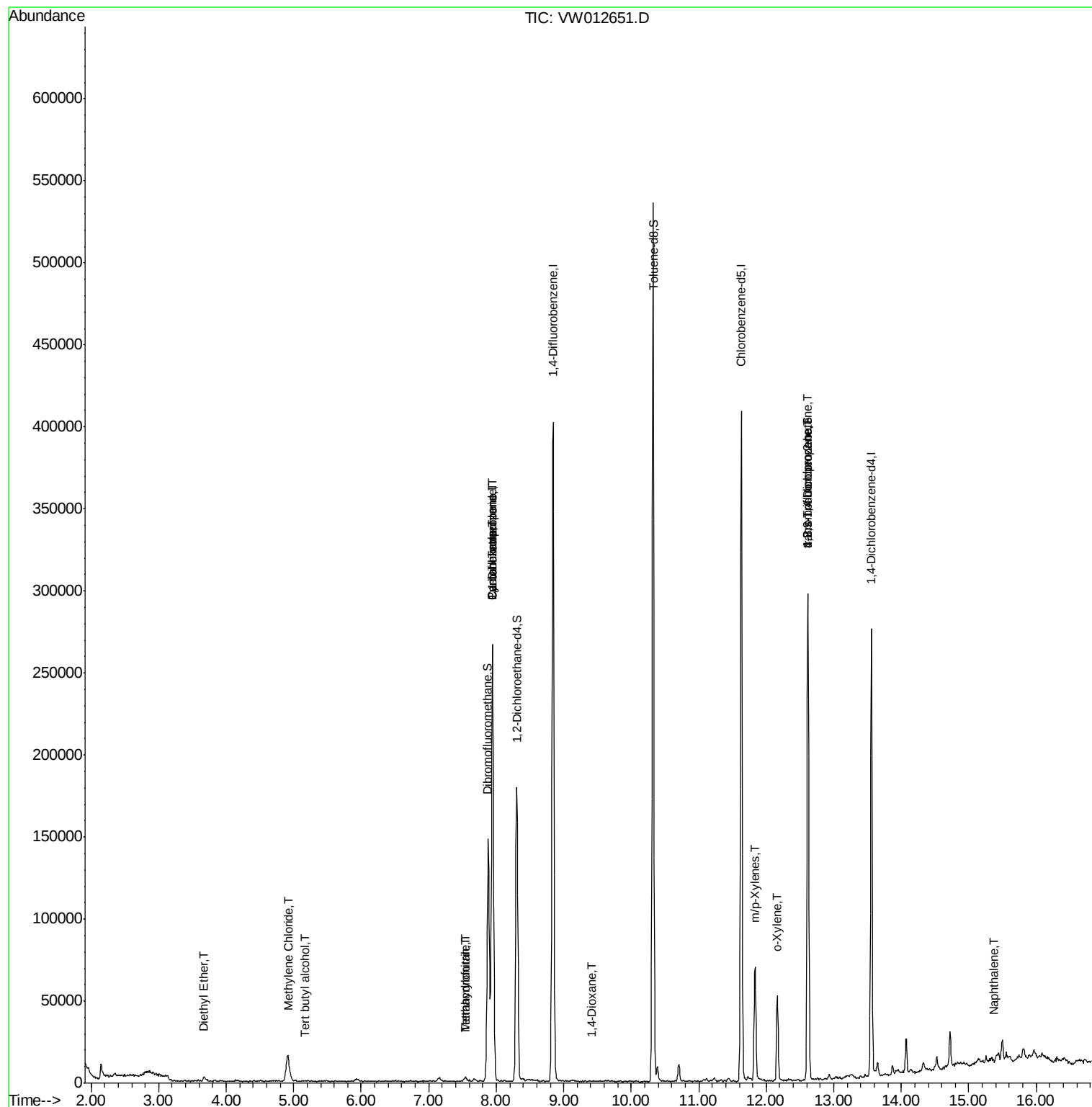
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1328	1.230	ug/l	76
11) Tert butyl alcohol	5.16	59	153	1.103	ug/l	95
20) Methylene Chloride	4.91	84	12247	5.496	ug/l	92
29) Tetrahydrofuran	7.54	42	2411	5.017	ug/l #	90
31) Cyclohexane	7.94	56	4699	1.131	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15575	4.705	ug/l #	53
38) Carbon Tetrachloride	7.95	117	19880	6.938	ug/l #	17
41) Methacrylonitrile	7.55	41	1683	1.578	ug/l #	53
49) 1,4-Dioxane	9.42	88	19	1.147	ug/l #	1
68) m/p-Xylenes	11.83	106	19356	6.561	ug/l	95
69) o-Xylene	12.16	106	12977	4.753	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	50712	74.752	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	50712	163.897	ug/l #	6
95) Naphthalene	15.37	128	386	4.455	ug/l #	81

(#) = 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: VW012651.D

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Instrument :

MSVOA_W

ClientSampleId :

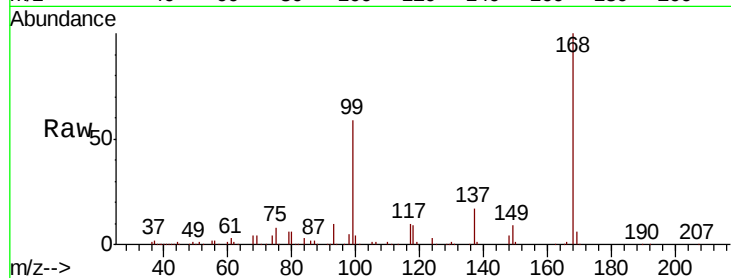
T3-S-F(0)RE

Tgt Ion:168 Resp: 193981

Ion Ratio Lower Upper

168 100

99 59.2 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

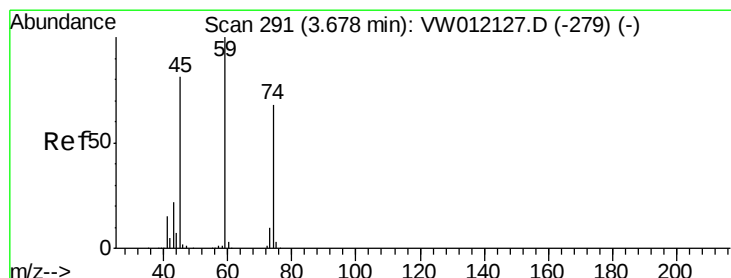
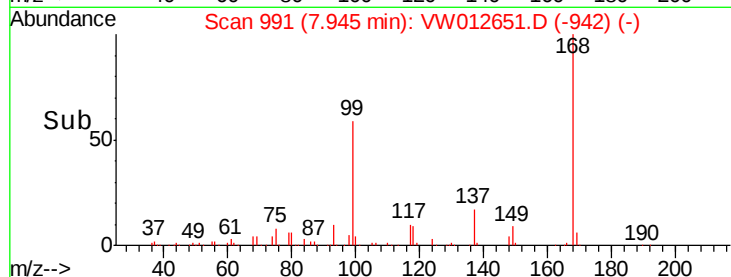
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#8

Diethyl Ether

Concen: 1.230 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012651.D

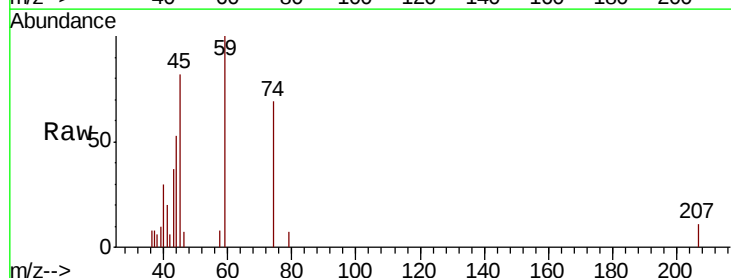
Acq: 05 Sep 2019 19:45

Tgt Ion: 74 Resp: 1328

Ion Ratio Lower Upper

74 100

45 144.7 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

600

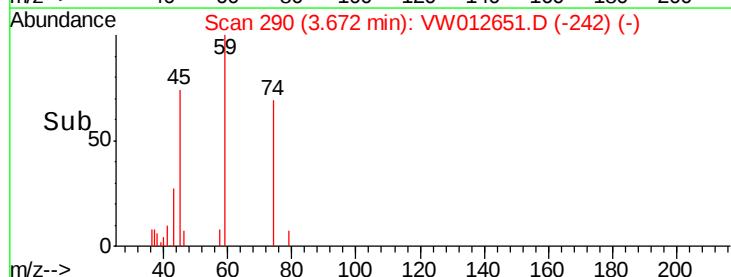
400

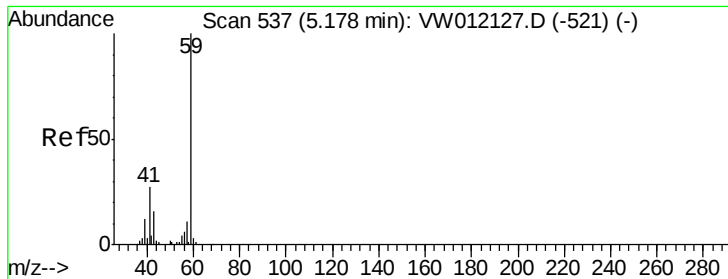
200

0

3.60 3.65 3.70 3.75

Time-->

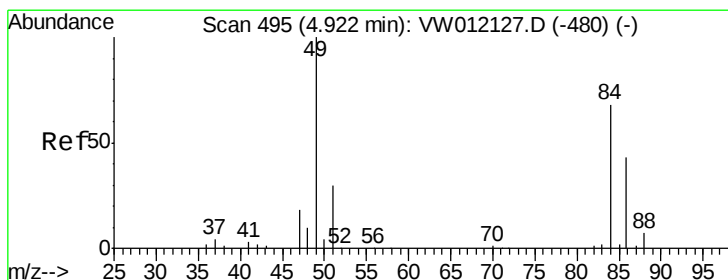
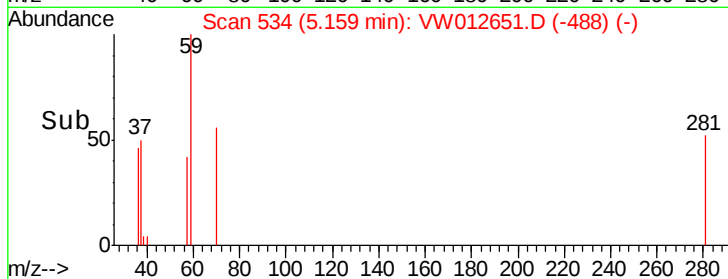
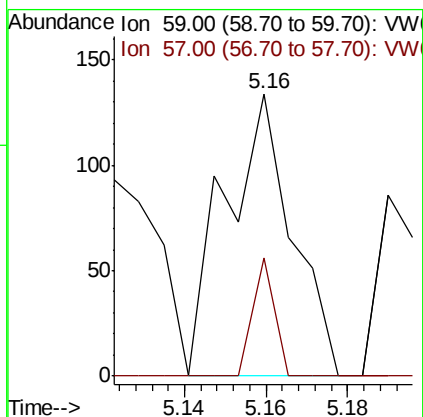
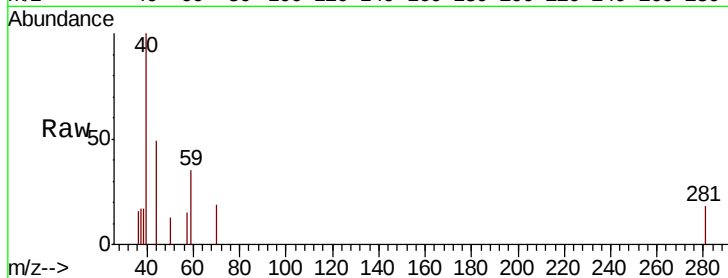




#11
Tert butyl alcohol
Concen: 1.103 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.02 min
Lab File: VW012651.D
Acq: 05 Sep 2019 19:45

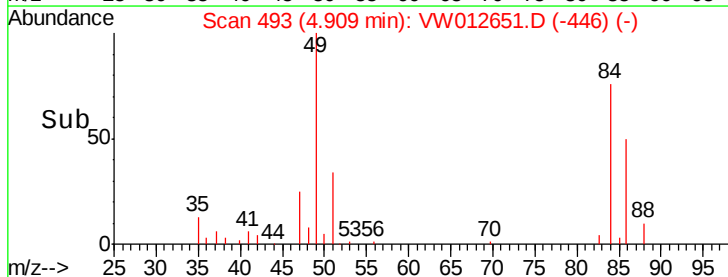
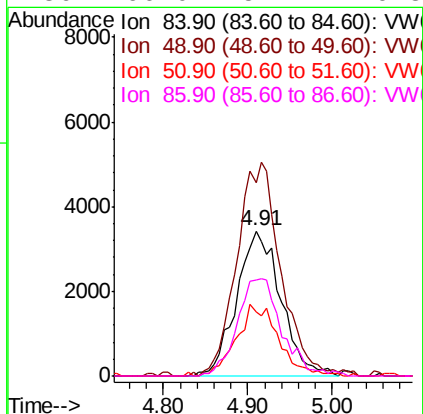
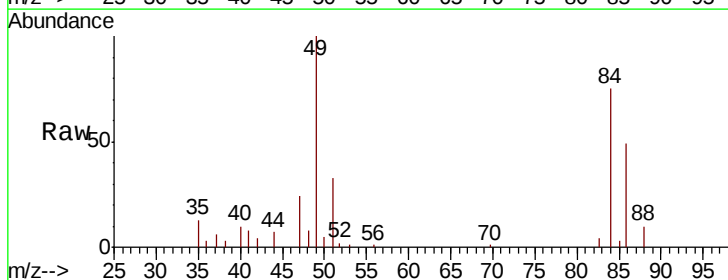
Instrument :
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T3-S-F(0)RE

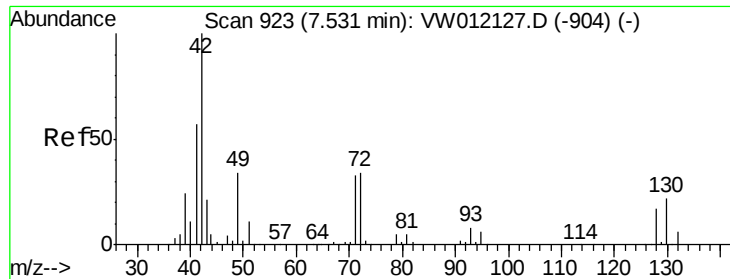
Tgt Ion: 59 Resp: 153
Ion Ratio Lower Upper
59 100
57 13.1 9.0 13.4



#20
Methylene Chloride
Concen: 5.496 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012651.D
Acq: 05 Sep 2019 19:45

Tgt Ion: 84 Resp: 12247
Ion Ratio Lower Upper
84 100
49 133.6 117.8 176.8
51 42.3 35.6 53.4
86 66.0 51.2 76.8





#29

Tetrahydrofuran

Concen: 5.017 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012651.D

Acq: 05 Sep 2019 19:45

Instrument :

MSVOA_W

ClientSampleId :

T3-S-F(0)RE

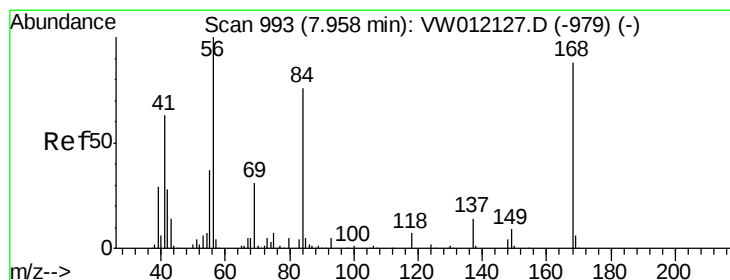
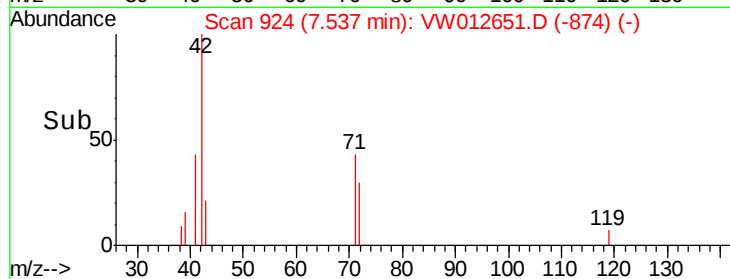
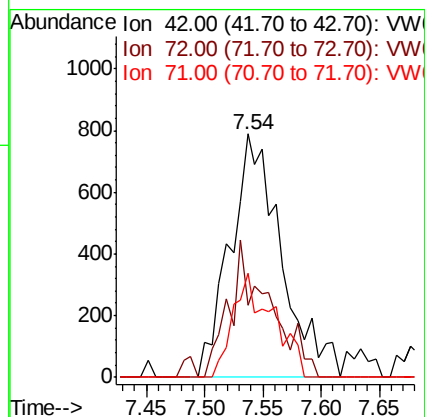
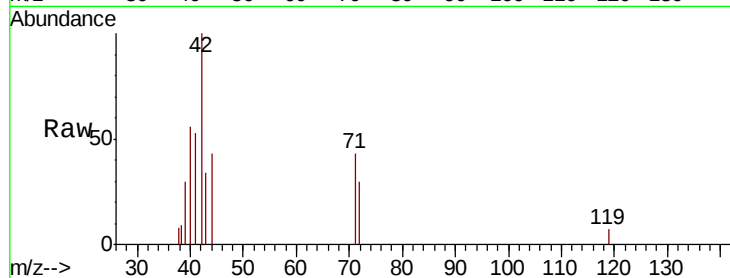
Tgt Ion: 42 Resp: 2411

Ion Ratio Lower Upper

42 100

72 44.0 27.3 40.9#

71 33.3 25.5 38.3



#31

Cyclohexane

Concen: 1.131 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012651.D

Acq: 05 Sep 2019 19:45

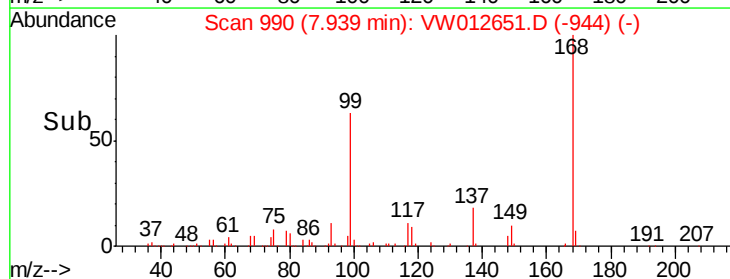
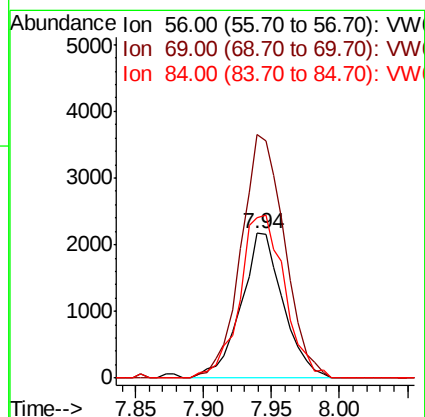
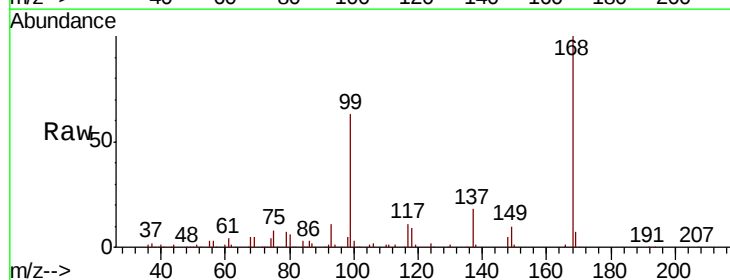
Tgt Ion: 56 Resp: 4699

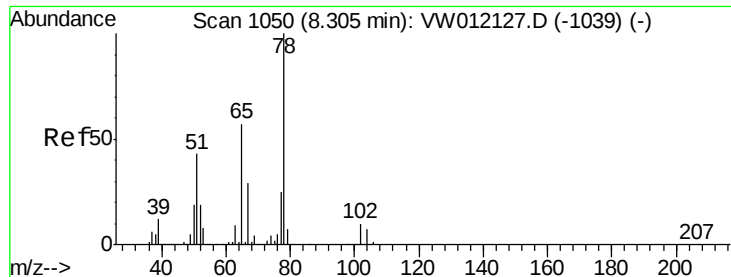
Ion Ratio Lower Upper

56 100

69 168.2 24.9 37.3#

84 118.6 60.6 90.8#

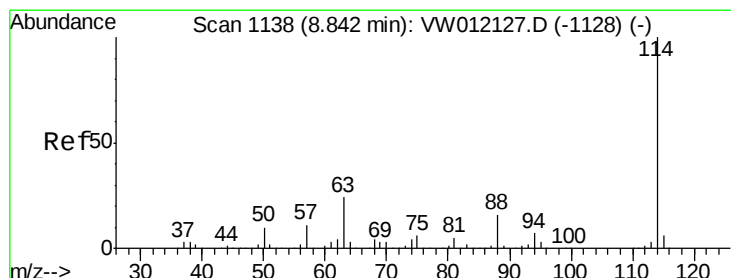
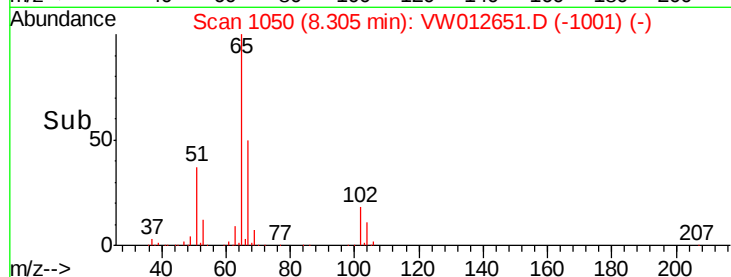
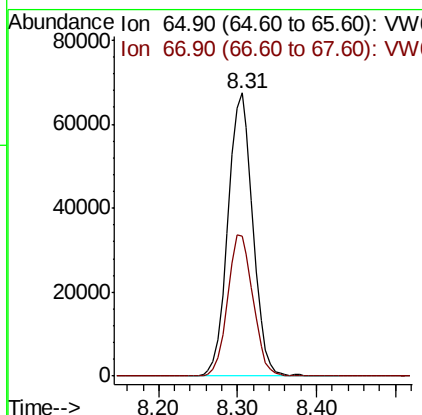
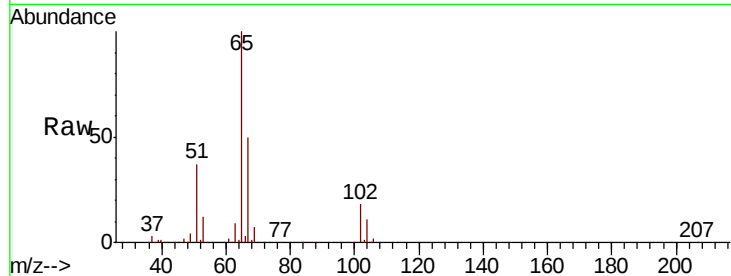




#33
 1,2-Dichloroethane-d4
 Concen: 64.016 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012651.D
 Acq: 05 Sep 2019 19:45

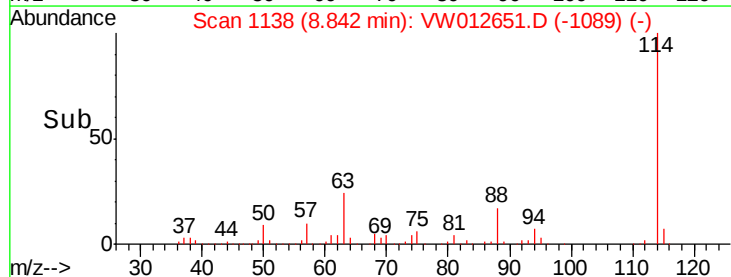
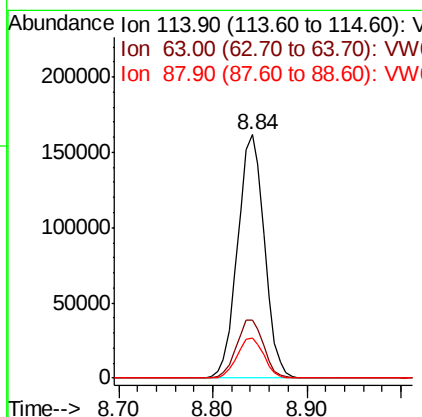
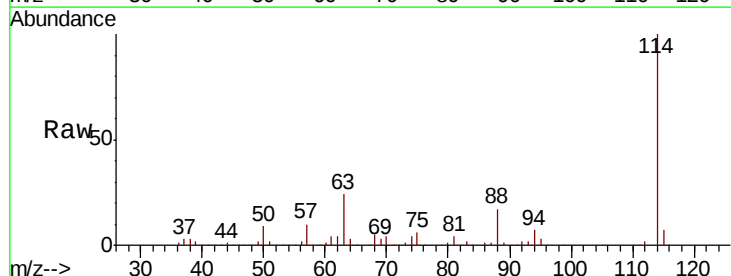
Instrument :
 MSVOA_W
 ClientSampleId :
 T3-S-F(0)RE

Tgt Ion: 65 Resp: 147618
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012651.D
 Acq: 05 Sep 2019 19:45

Tgt Ion: 114 Resp: 320365
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 48.6
 88 16.6 0.0 32.2

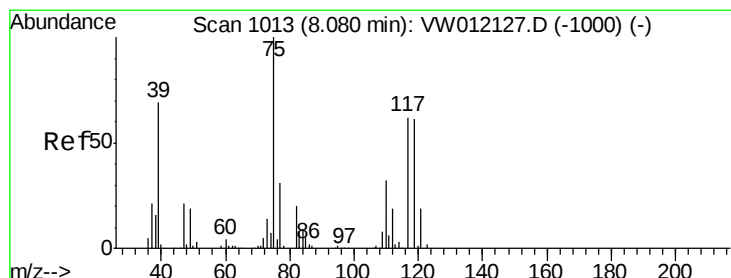
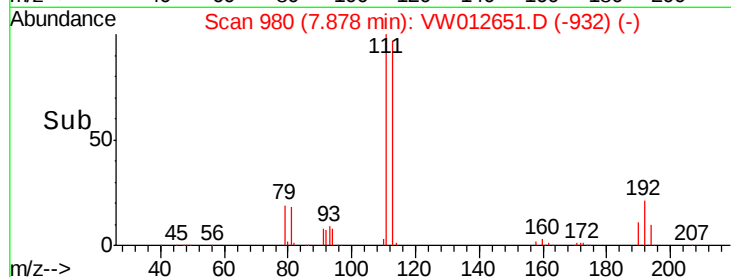
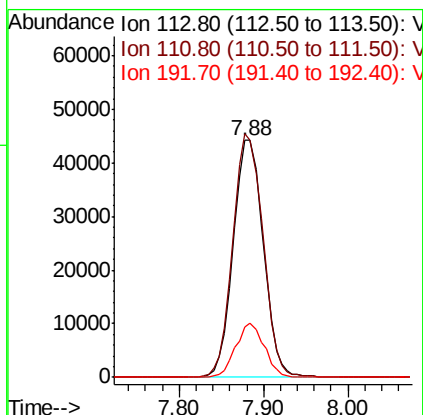
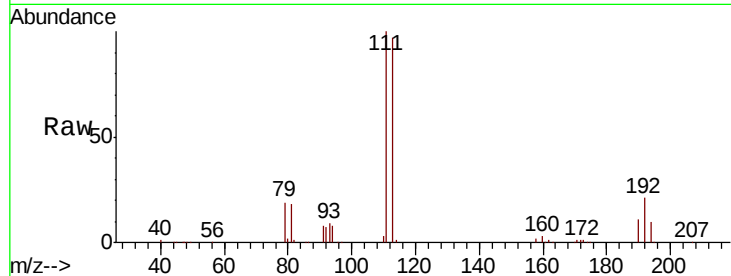




#35
 Dibromofluoromethane
 Concen: 56.081 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012651.D
 Acq: 05 Sep 2019 19:45

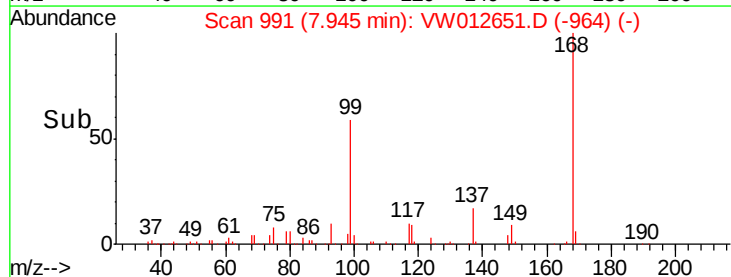
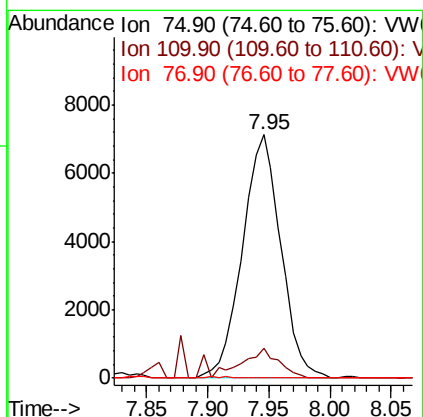
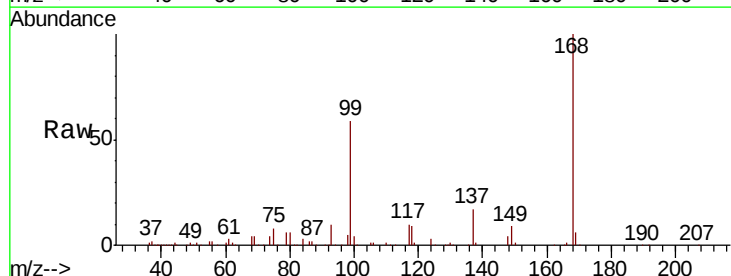
Instrument :
 MSVOA_W
 ClientSampleId :
 T3-S-F(0)RE

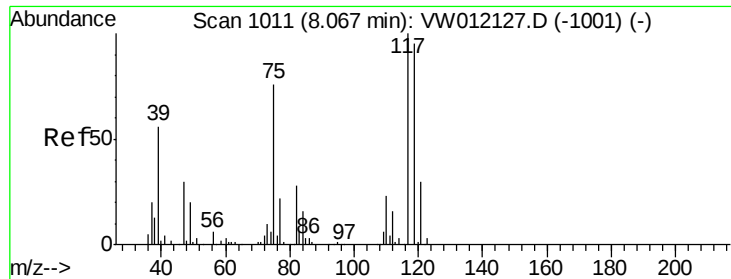
Tgt Ion:113 Resp: 107242
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.7 124.1
 192 21.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.705 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012651.D
 Acq: 05 Sep 2019 19:45

Tgt Ion: 75 Resp: 15575
 Ion Ratio Lower Upper
 75 100
 110 10.5 15.6 46.8#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.938 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012651.D

Acq: 05 Sep 2019 19:45

Instrument :

MSVOA_W

ClientSampleId :

T3-S-F(0)RE

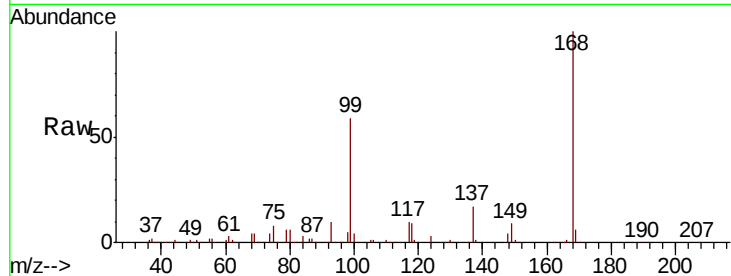
Tgt Ion:117 Resp: 19880

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.2#

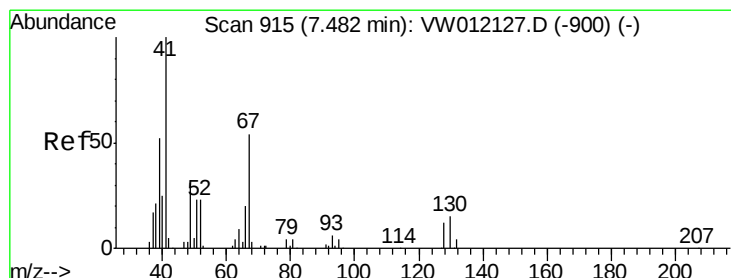
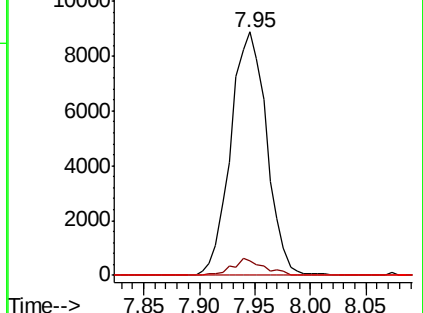
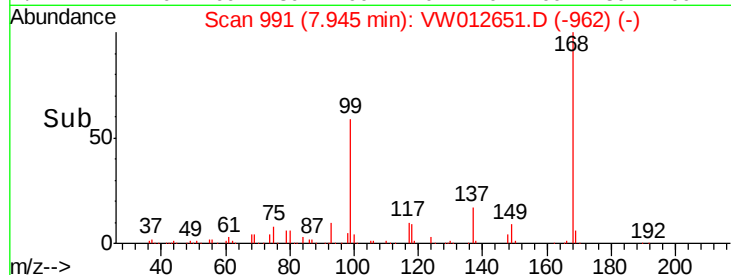
121 0.0 23.8 35.8#



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



#41

Methacrylonitrile

Concen: 1.578 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.07 min

Lab File: VW012651.D

Acq: 05 Sep 2019 19:45

Tgt Ion: 41 Resp: 1683

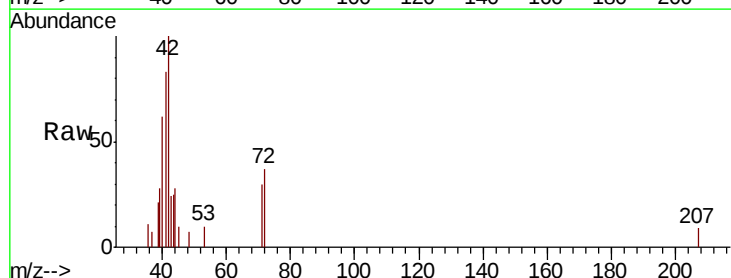
Ion Ratio Lower Upper

41 100

39 46.5 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

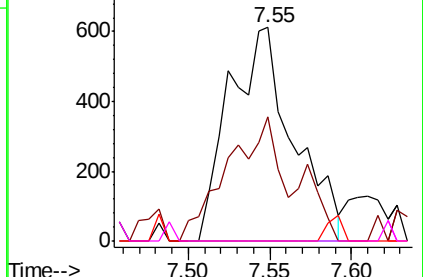
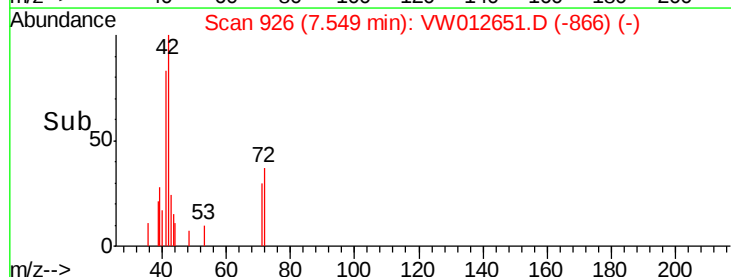


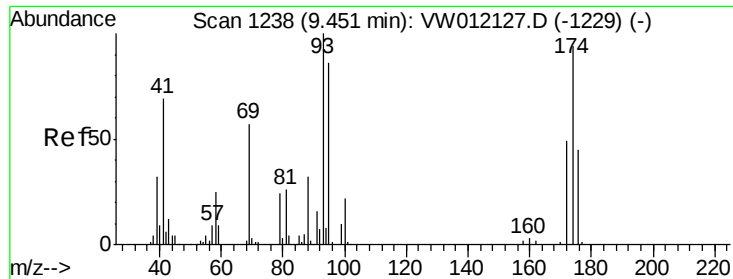
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

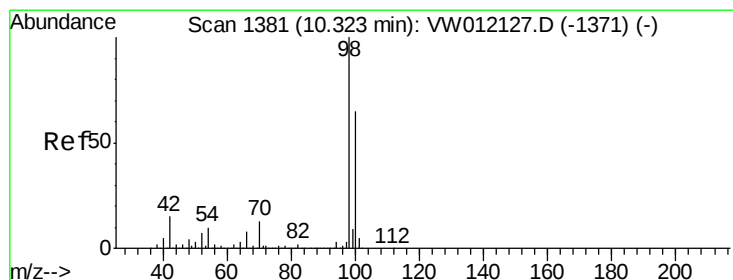
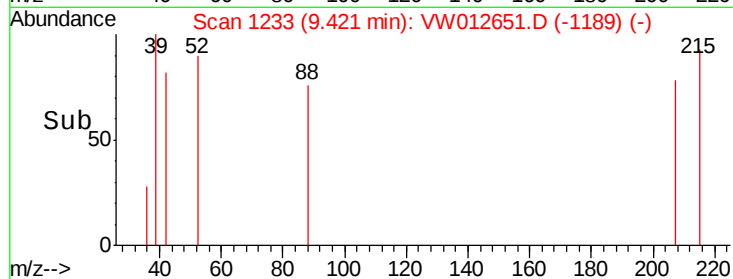
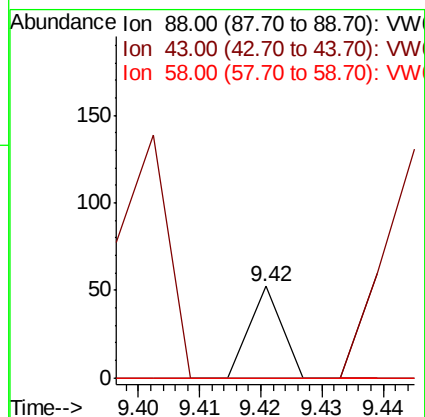
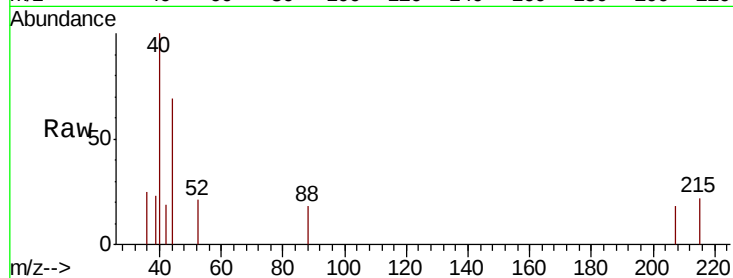




#49
1,4-Dioxane
Concen: 1.147 ug/l
RT: 9.42 min Scan# 1233
Delta R.T. -0.03 min
Lab File: VW012651.D
Acq: 05 Sep 2019 19:45

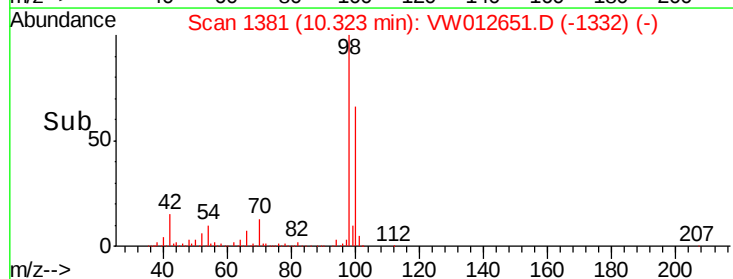
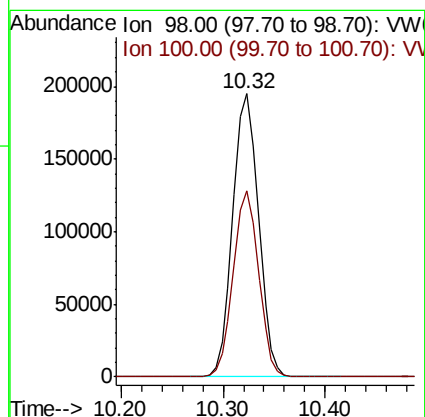
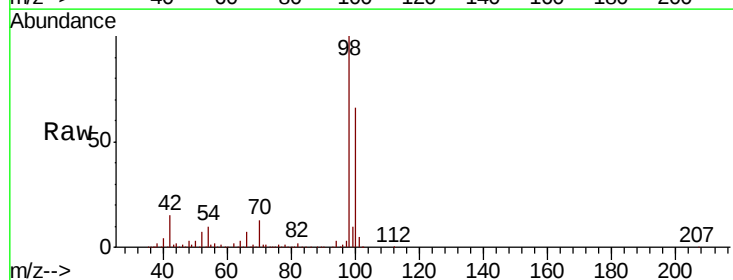
Instrument :
MSVOA_W
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T3-S-F(0)RE

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 652.6 32.9 49.3#
58 0.0 71.0 106.4#



#50
Toluene-d8
Concen: 43.991 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012651.D
Acq: 05 Sep 2019 19:45

Tgt Ion: 98 Resp: 341095
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6

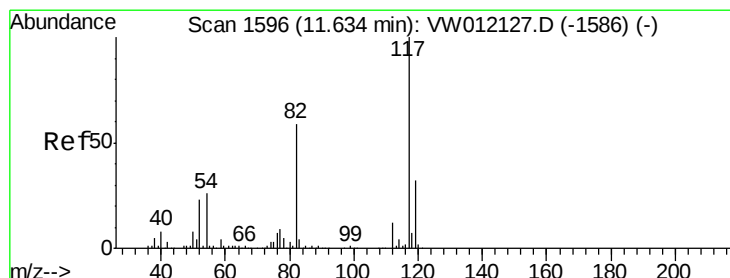
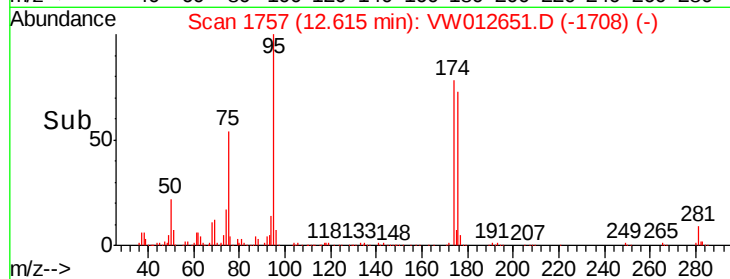
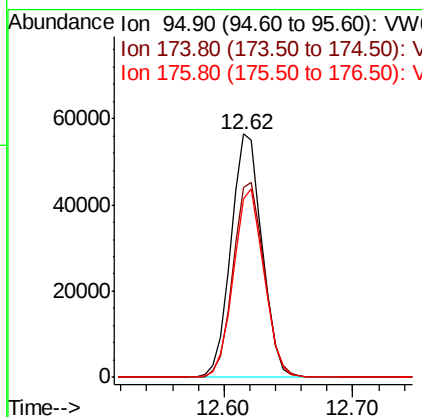
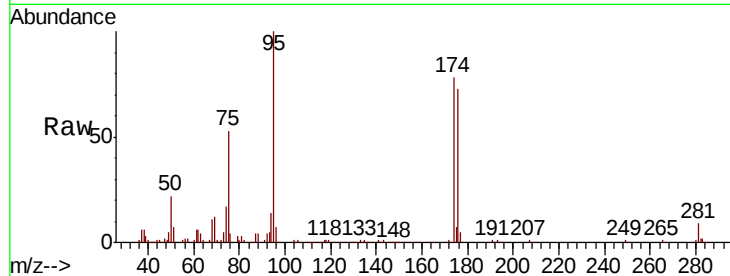




#62
4-Bromofluorobenzene
Concen: 34.714 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012651.D
Acq: 05 Sep 2019 19:45

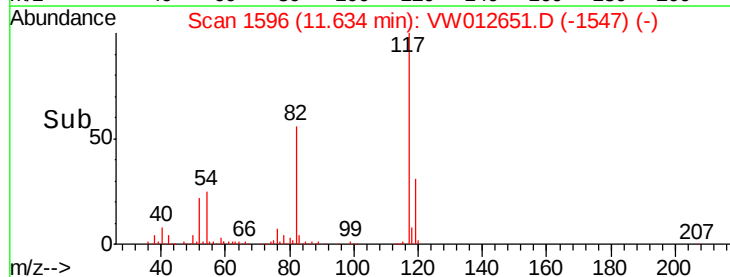
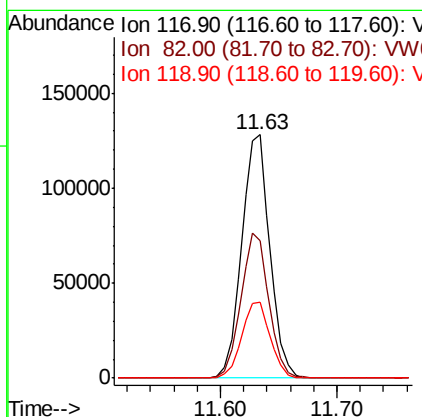
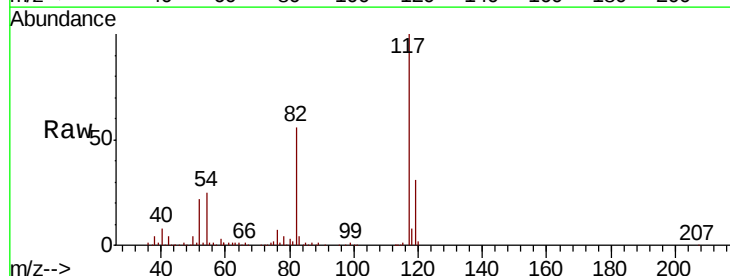
Instrument :
MSVOA_W
ClientSampleId :
T3-S-F(0)RE

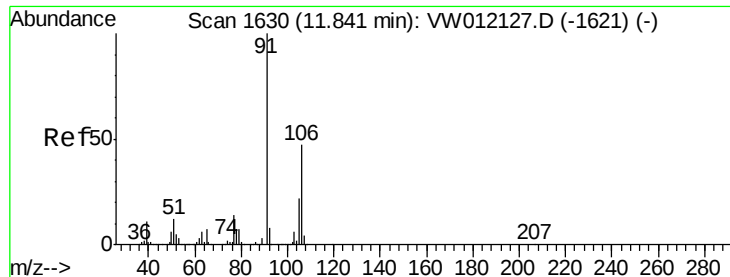
Tgt Ion: 95 Resp: 94879
Ion Ratio Lower Upper
95 100
174 79.9 0.0 150.8
176 75.9 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012651.D
Acq: 05 Sep 2019 19:45

Tgt Ion: 117 Resp: 215911
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.2
119 31.4 25.4 38.2

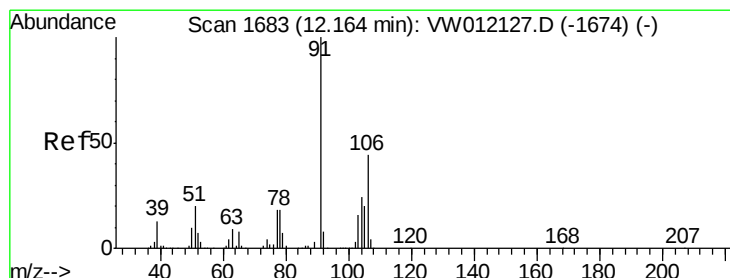
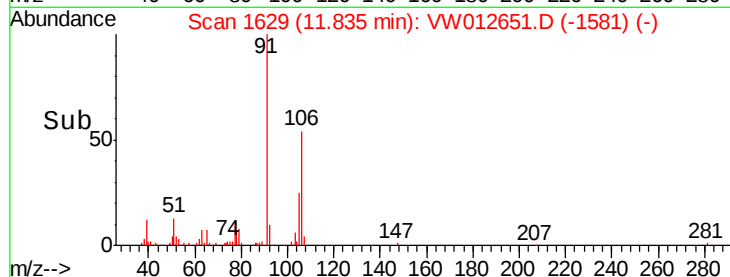
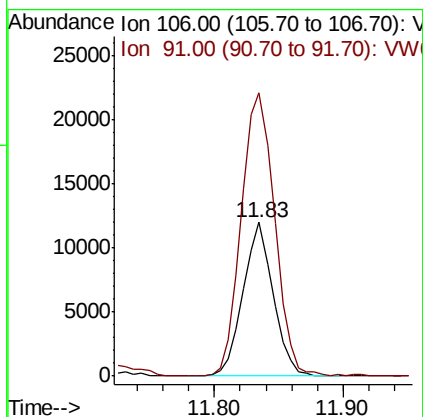
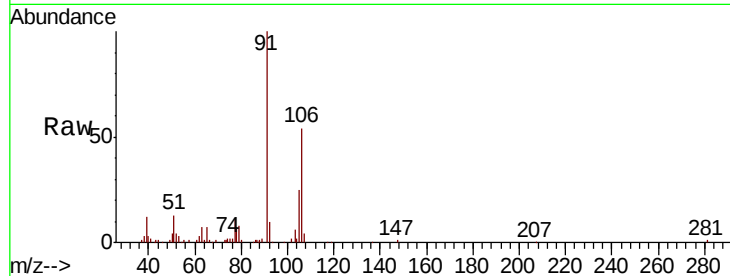




#68
m/p-Xylenes
Concen: 6.561 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012651.D
Acq: 05 Sep 2019 19:45

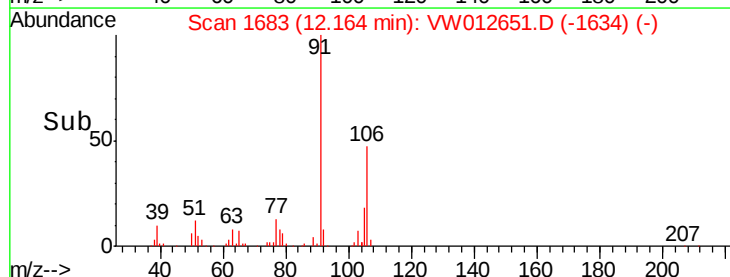
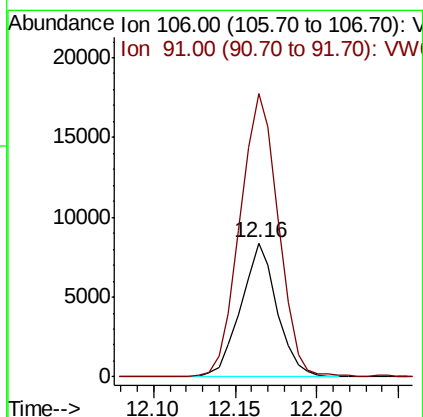
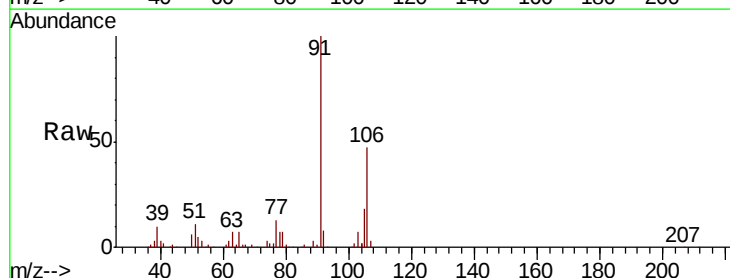
Instrument :
MSVOA_W
ClientSampleId :
T3-S-F(0)RE

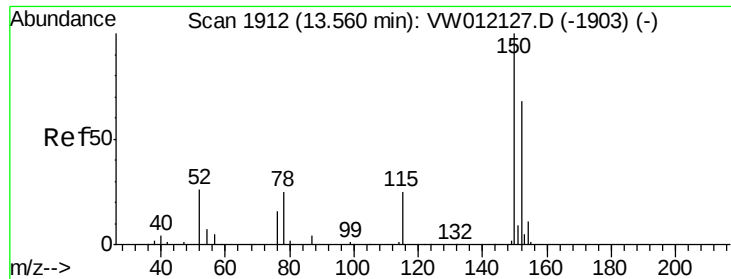
Tgt Ion:106 Resp: 19356
Ion Ratio Lower Upper
106 100
91 204.3 169.5 254.3



#69
o-Xylene
Concen: 4.753 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012651.D
Acq: 05 Sep 2019 19:45

Tgt Ion:106 Resp: 12977
Ion Ratio Lower Upper
106 100
91 224.6 111.6 334.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012651.D

Acq: 05 Sep 2019 19:45

Instrument :

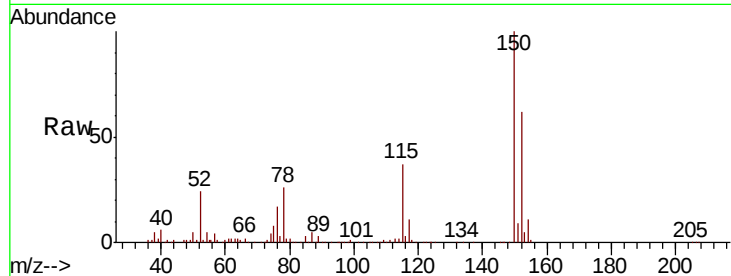
MSVOA_W

ClientSampleId :

T3-S-F(0)RE

Tgt Ion:152 Resp: 69656

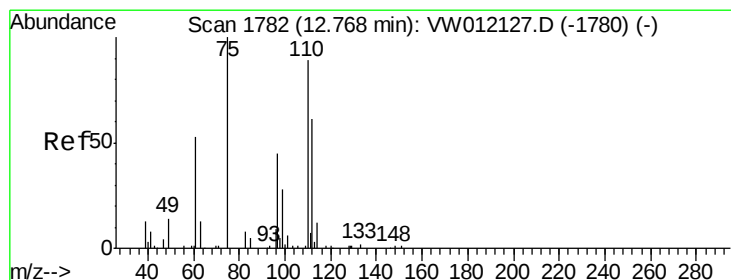
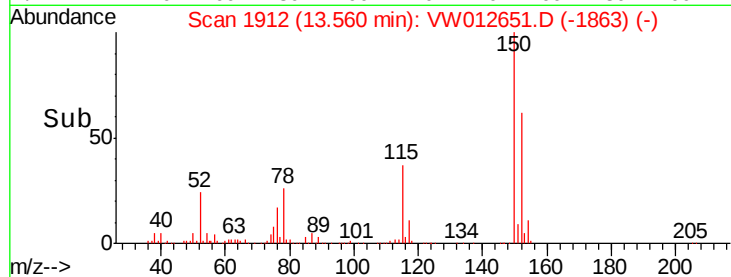
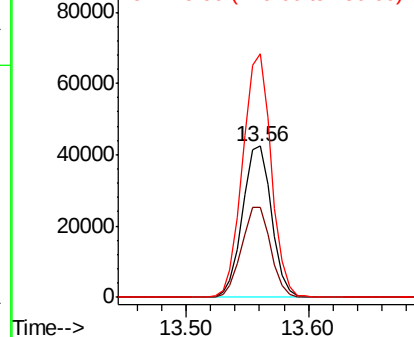
Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.1	90.3
150	157.9	0.0	345.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 74.752 ug/l

RT: 12.62 min Scan# 1757

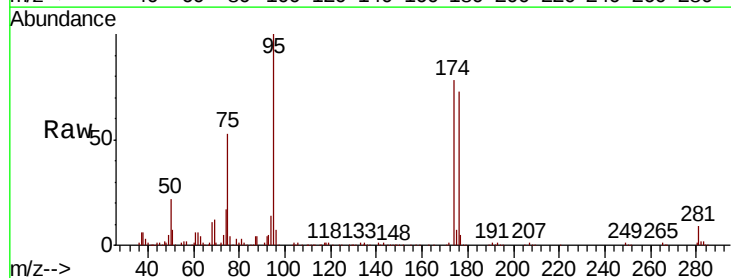
Delta R.T. -0.15 min

Lab File: VW012651.D

Acq: 05 Sep 2019 19:45

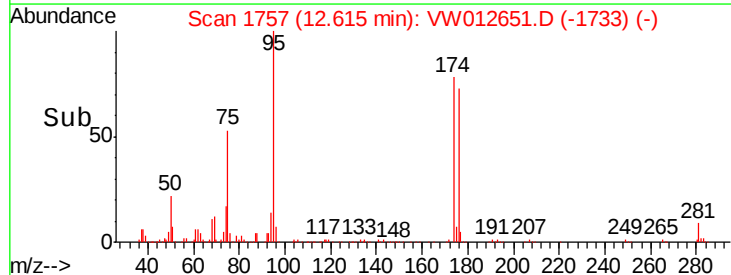
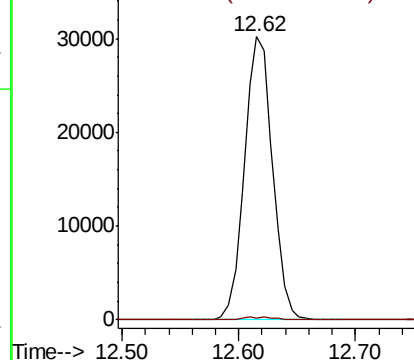
Tgt Ion: 75 Resp: 50712

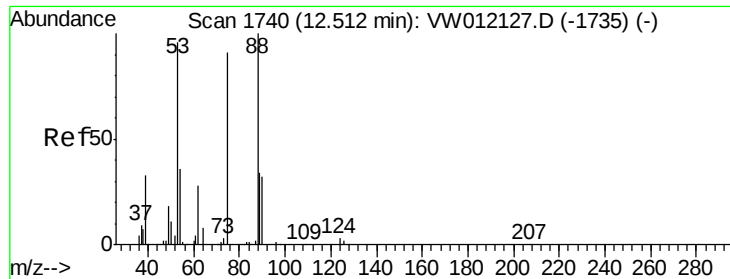
Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 163.897 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012651.D

Acq: 05 Sep 2019 19:45

Instrument :

MSVOA_W

ClientSampleId :

T3-S-F(0)RE

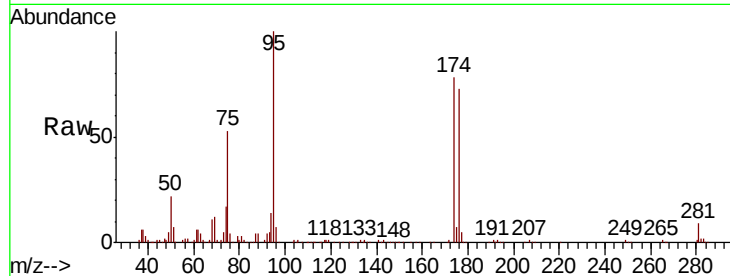
Tgt Ion: 75 Resp: 50712

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

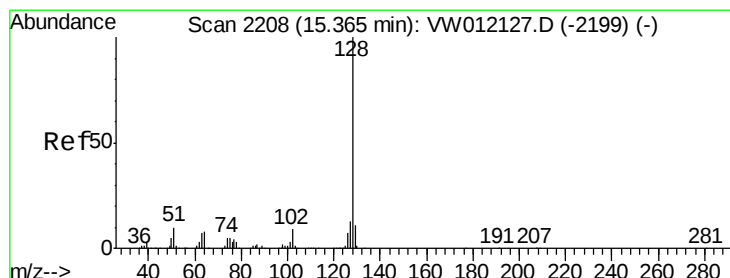
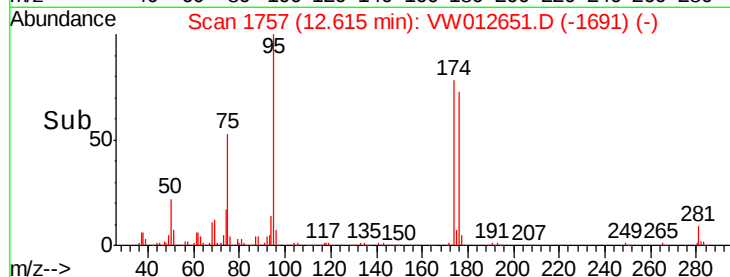
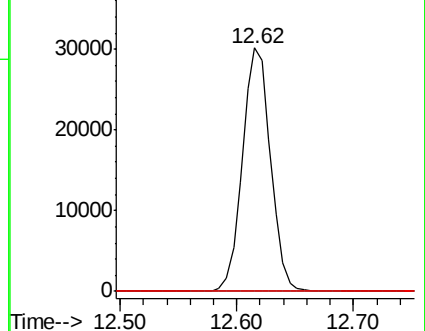
89 0.1 34.5 51.7#



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



#95

Naphthalene

Concen: 4.455 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012651.D

Acq: 05 Sep 2019 19:45

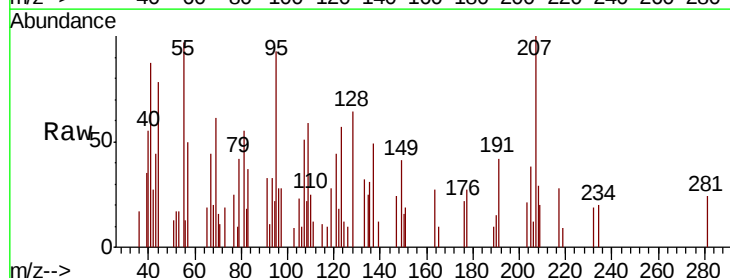
Tgt Ion: 128 Resp: 386

Ion Ratio Lower Upper

128 100

127 17.9 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

