

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091119\
 Data File : VW012924.D
 Acq On : 11 Sep 2019 18:57
 Operator : SY/VA
 Sample : K4680-10
 Misc : 6.99G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T2-3-(4)

Quant Time: Sep 12 07:54:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	267042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	407516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	343093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	148813	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	141563	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
35) Dibromofluoromethane	7.88	113	118673	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
50) Toluene-d8	10.32	98	479703	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.62	95	156718	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	

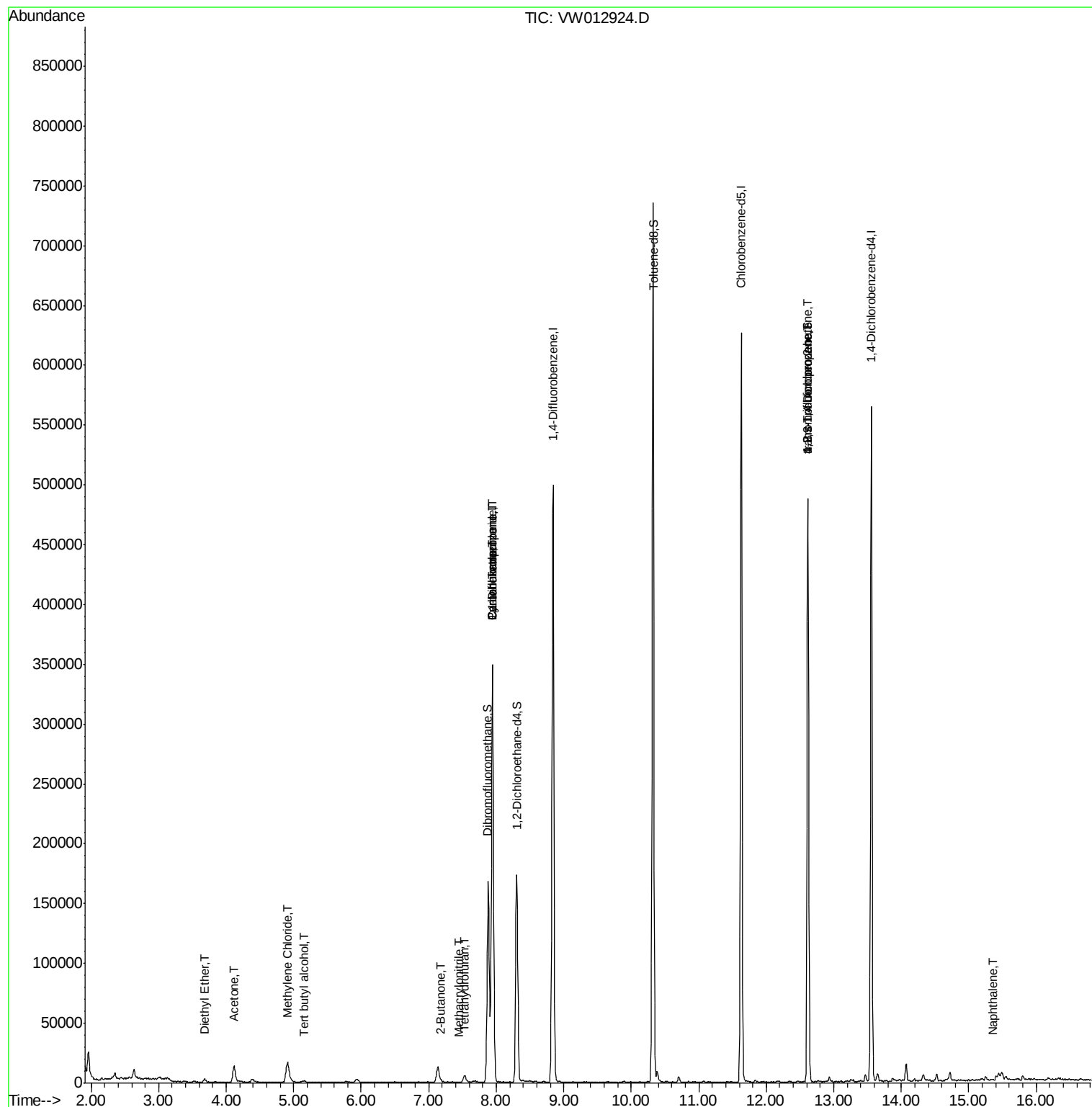
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1452	1.161	ug/l	95
11) Tert butyl alcohol	5.16	59	1776	7.780	ug/l #	86
16) Acetone	4.12	43	24038	29.551	ug/l	97
20) Methylene Chloride	4.90	84	12703	4.992	ug/l	83
25) 2-Butanone	7.18	43	229	19.856	ug/l #	53
29) Tetrahydrofuran	7.53	42	4830	7.353	ug/l #	88
31) Cyclohexane	7.94	56	5706	1.301	ug/l #	12
36) 1,1-Dichloropropene	7.94	75	20505	5.663	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25325	7.095	ug/l #	17
41) Methacrylonitrile	7.45	41	123	3.911	ug/l #	59
76) 1,2,3-Trichloropropane	12.62	75	80172	52.687	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80172	111.436	ug/l #	6
95) Naphthalene	15.36	128	377	4.494	ug/l #	69

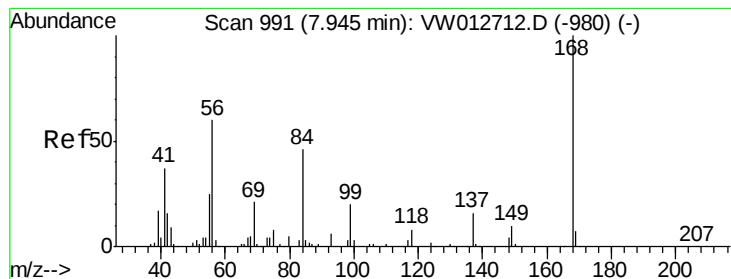
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091119\
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Quant Title : SW846 8260
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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: VW012924.D

Acq: 11 Sep 2019 18:57

Instrument :

MSVOA_W

ClientSampleId :

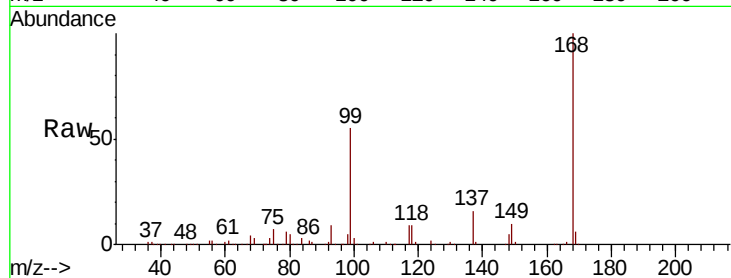
T2-3-(4)

Tgt Ion:168 Resp: 267042

Ion Ratio Lower Upper

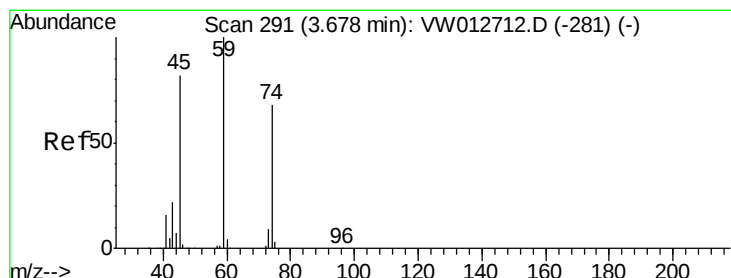
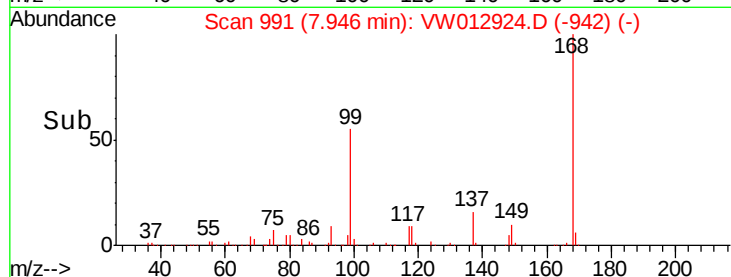
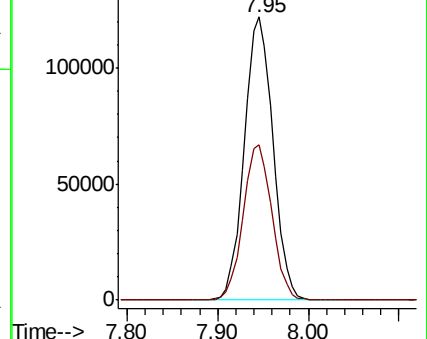
168 100

99 54.9 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.161 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012924.D

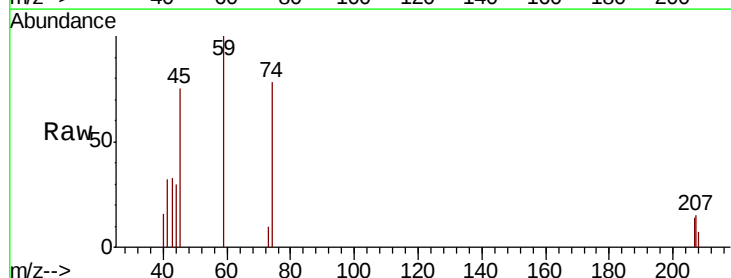
Acq: 11 Sep 2019 18:57

Tgt Ion: 74 Resp: 1452

Ion Ratio Lower Upper

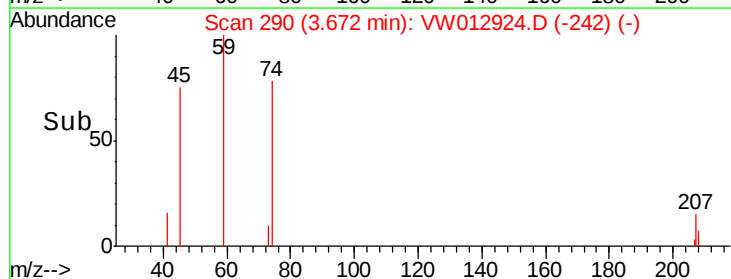
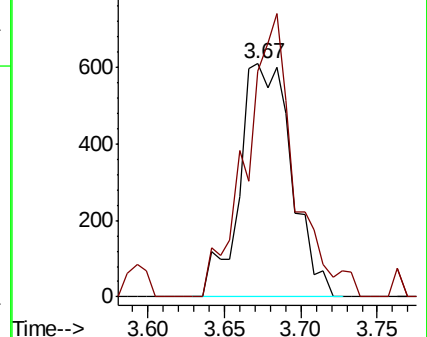
74 100

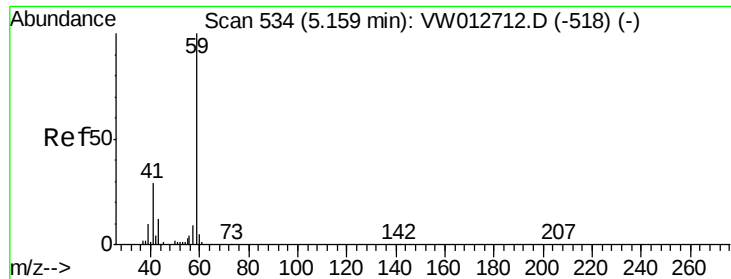
45 112.3 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

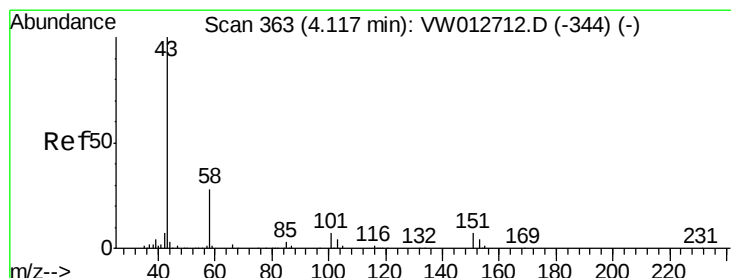
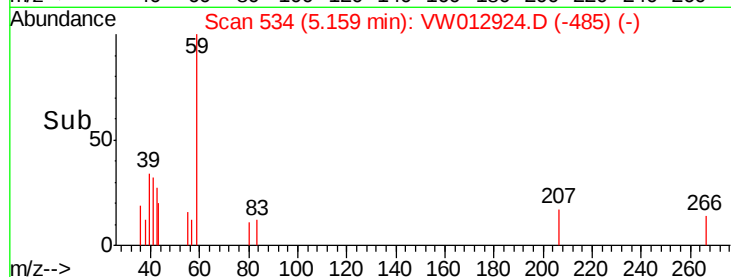
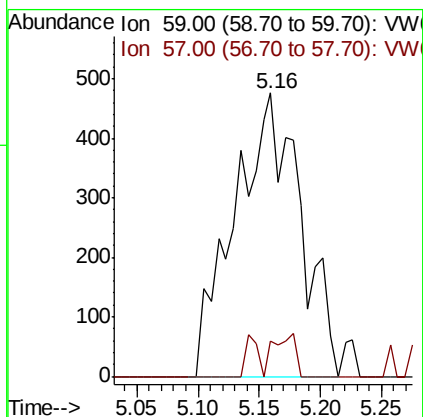
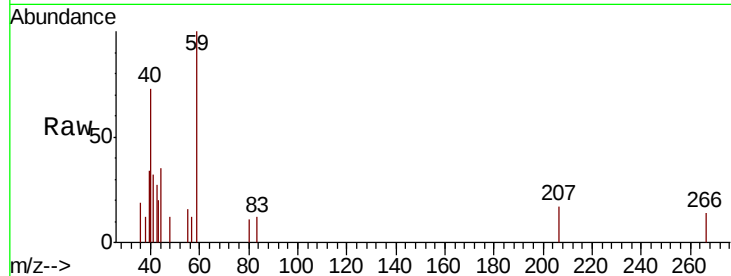




#11
Tert butyl alcohol
Concen: 7.780 ug/l
RT: 5.16 min Scan# 534
Delta R.T. 0.00 min
Lab File: VW012924.D
Acq: 11 Sep 2019 18:57

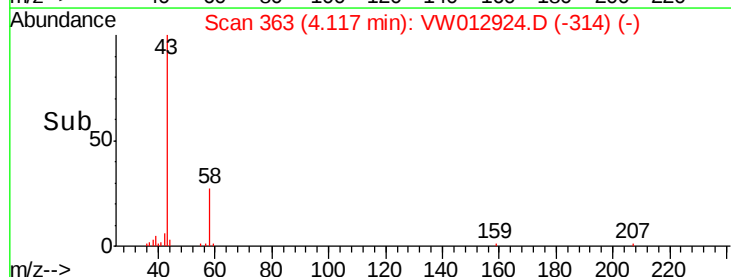
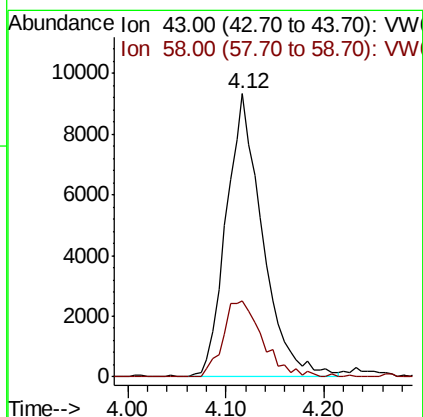
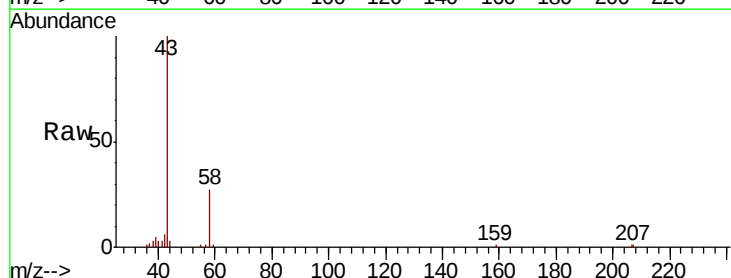
Instrument :
MSVOA_W
ClientSampled :
T2-3-(4)

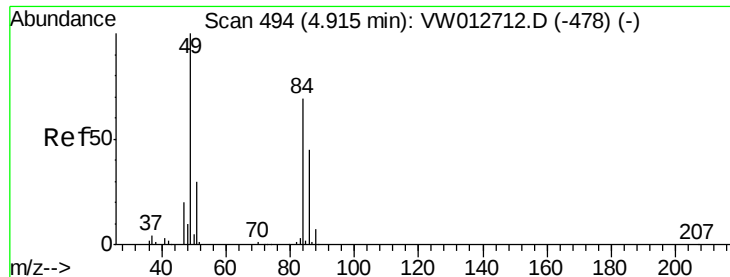
Tgt Ion: 59 Resp: 1776
Ion Ratio Lower Upper
59 100
57 5.0 8.2 12.4#



#16
Acetone
Concen: 29.551 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW012924.D
Acq: 11 Sep 2019 18:57

Tgt Ion: 43 Resp: 24038
Ion Ratio Lower Upper
43 100
58 26.7 22.6 33.8

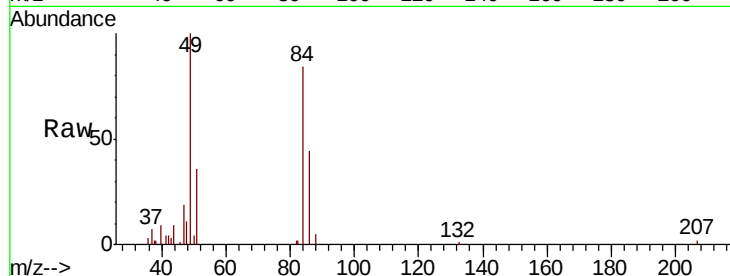




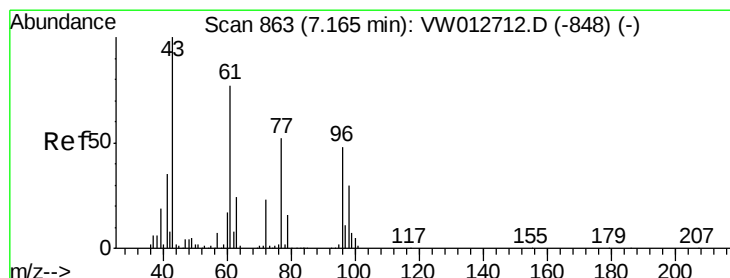
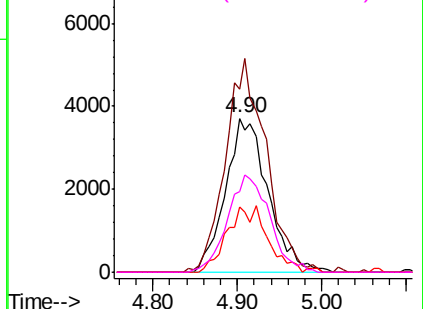
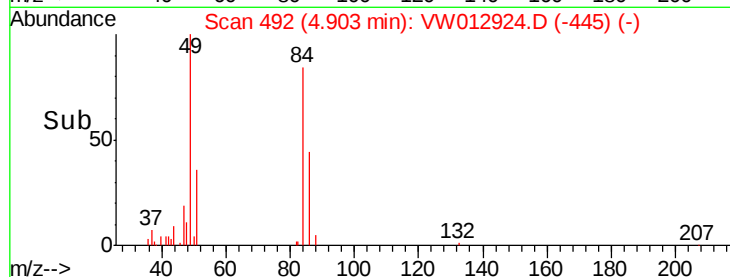
#20
Methylene Chloride
Concen: 4.992 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012924.D
Acq: 11 Sep 2019 18:57

Instrument :
MSVOA_W
ClientSampleId :
T2-3-(4)

Tgt Ion: 84 Resp: 12703
Ion Ratio Lower Upper
84 100
49 116.9 115.4 173.0
51 42.4 34.9 52.3
86 52.4 52.2 78.4

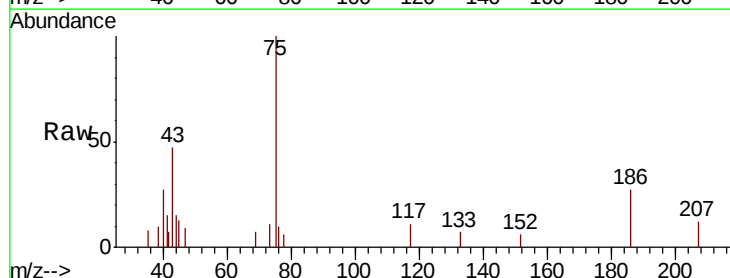


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

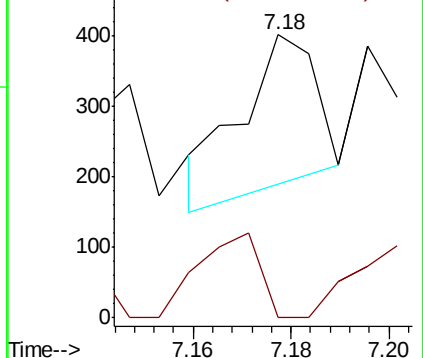
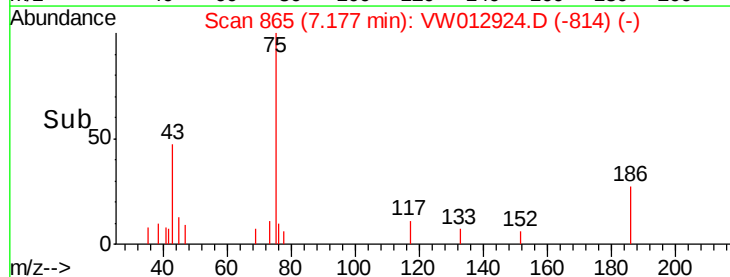


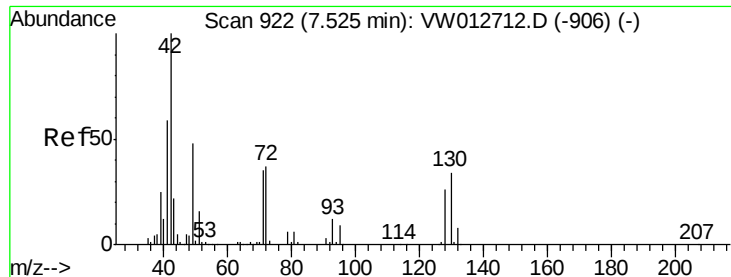
#25
2-Butanone
Concen: 19.856 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW012924.D
Acq: 11 Sep 2019 18:57

Tgt Ion: 43 Resp: 229
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#



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

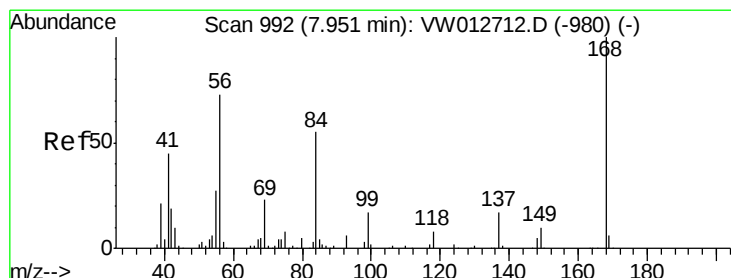
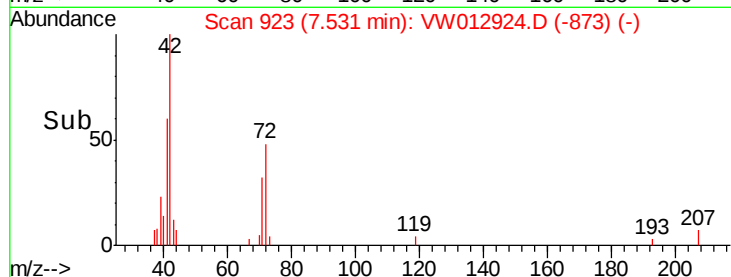
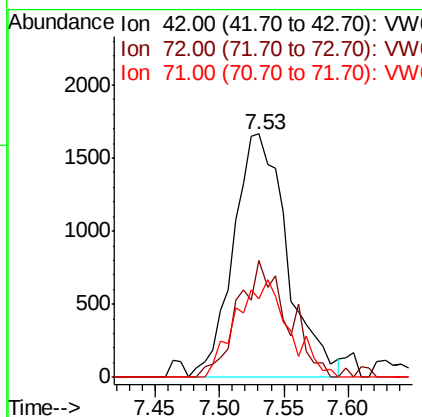
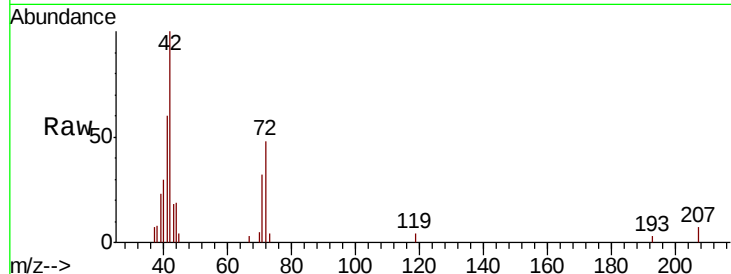




#29
Tetrahydrofuran
Concen: 7.353 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012924.D
Acq: 11 Sep 2019 18:57

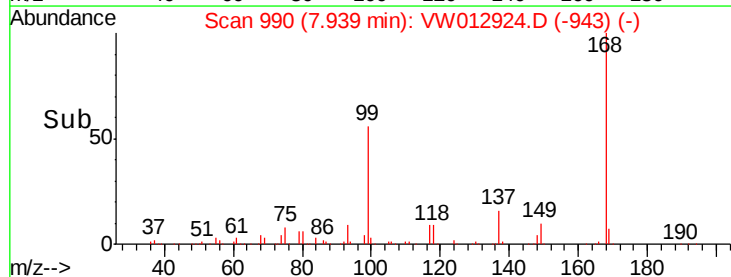
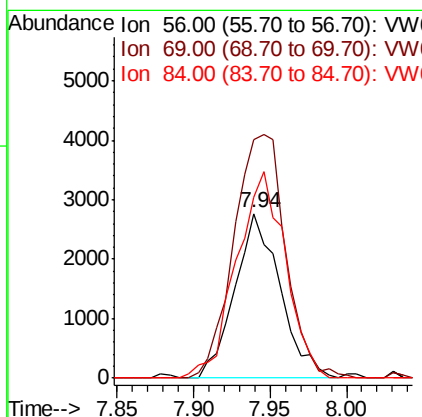
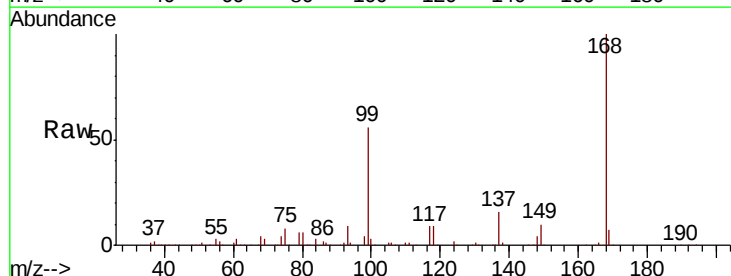
Instrument :
MSVOA_W
ClientSampleId :
T2-3-(4)

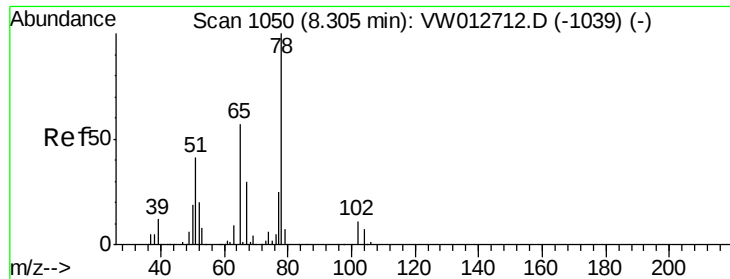
Tgt Ion: 42 Resp: 4830
Ion Ratio Lower Upper
42 100
72 43.9 28.4 42.6#
71 39.6 27.1 40.7



#31
Cyclohexane
Concen: 1.301 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012924.D
Acq: 11 Sep 2019 18:57

Tgt Ion: 56 Resp: 5706
Ion Ratio Lower Upper
56 100
69 144.9 25.7 38.5#
84 109.8 60.4 90.6#

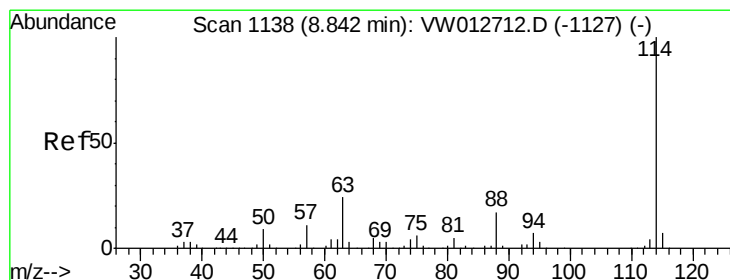
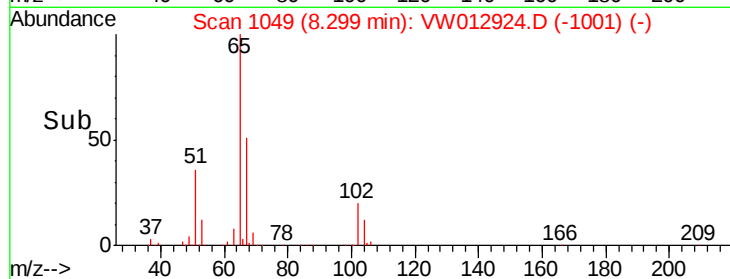
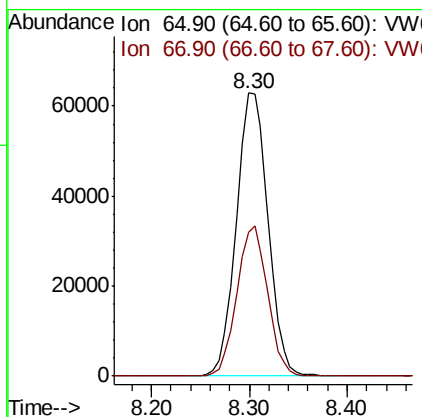
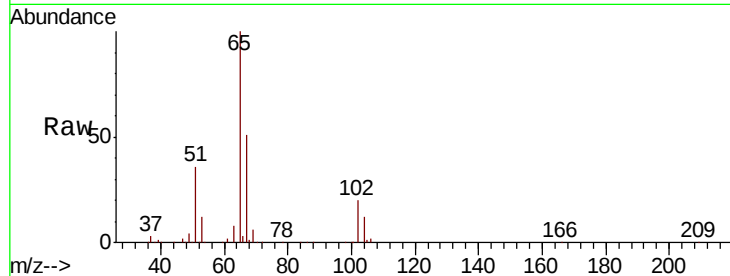




#33
 1,2-Dichloroethane-d4
 Concen: 47.445 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012924.D
 Acq: 11 Sep 2019 18:57

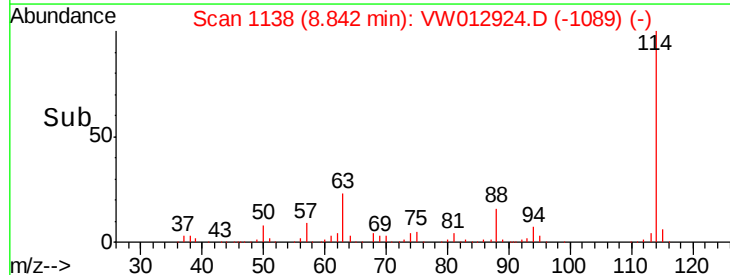
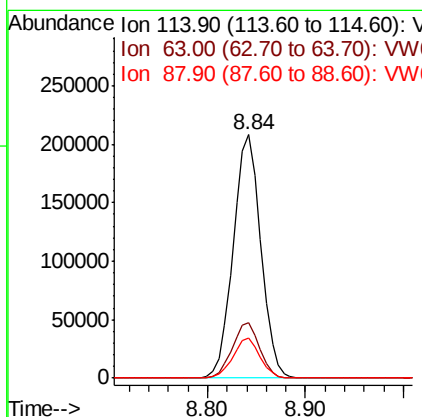
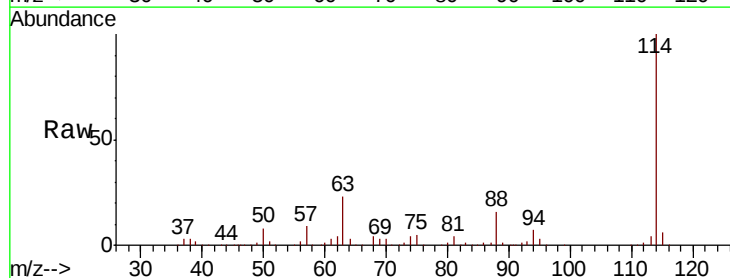
Instrument :
 MSVOA_W
 ClientSampleId :
 T2-3-(4)

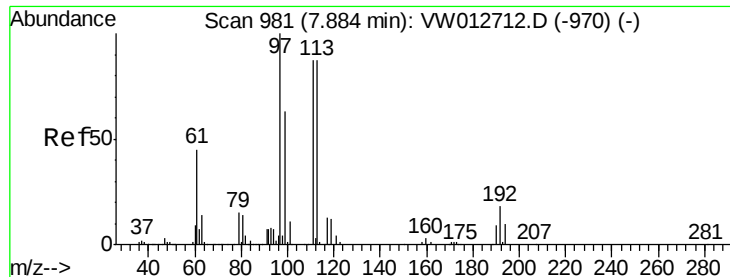
Tgt Ion: 65 Resp: 141563
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012924.D
 Acq: 11 Sep 2019 18:57

Tgt Ion: 114 Resp: 407516
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 47.2
 88 16.4 0.0 34.0





#35

Dibromofluoromethane

Concen: 48.982 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012924.D

Acq: 11 Sep 2019 18:57

Instrument :

MSVOA_W

ClientSampleId :

T2-3-(4)

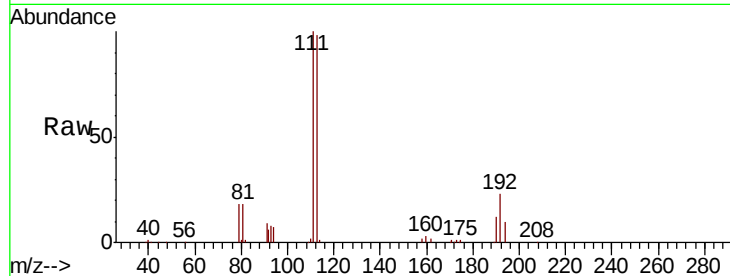
Tgt Ion:113 Resp: 118673

Ion Ratio Lower Upper

113 100

111 104.8 80.2 120.4

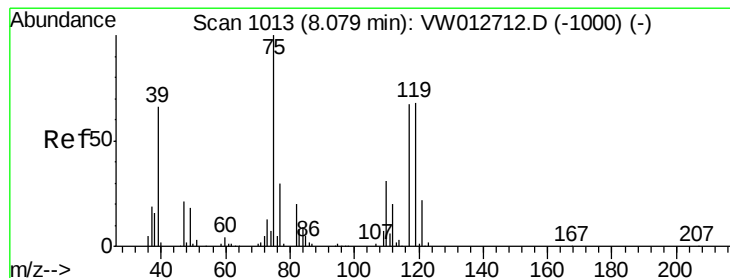
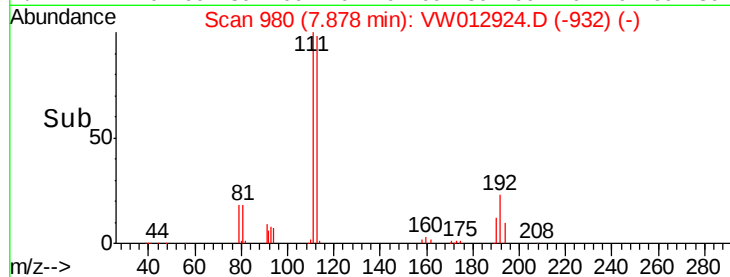
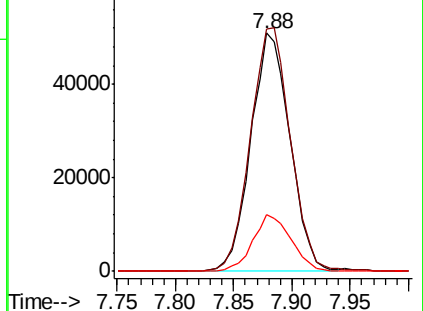
192 23.2 17.3 25.9



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: 5.663 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012924.D

Acq: 11 Sep 2019 18:57

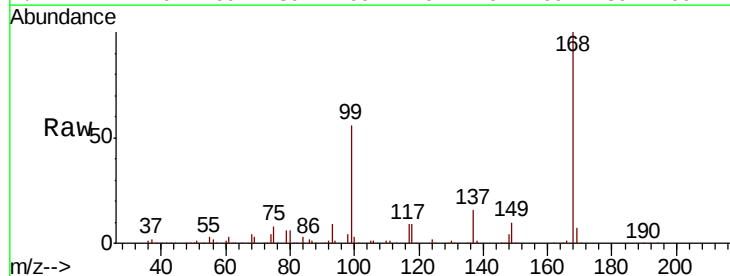
Tgt Ion: 75 Resp: 20505

Ion Ratio Lower Upper

75 100

110 10.1 15.9 47.7#

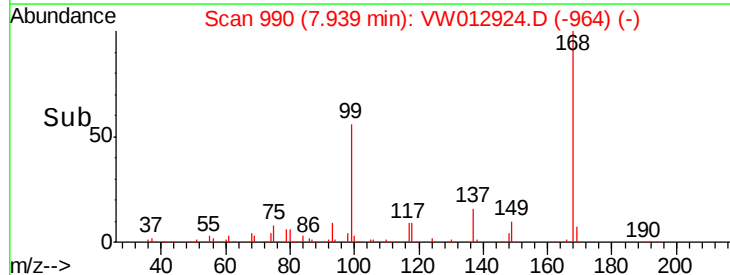
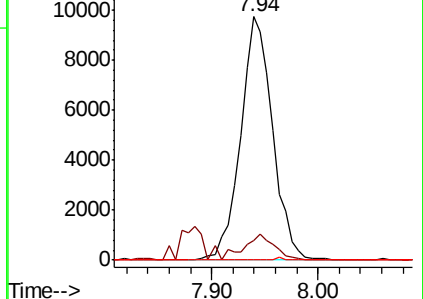
77 0.0 25.0 37.4#

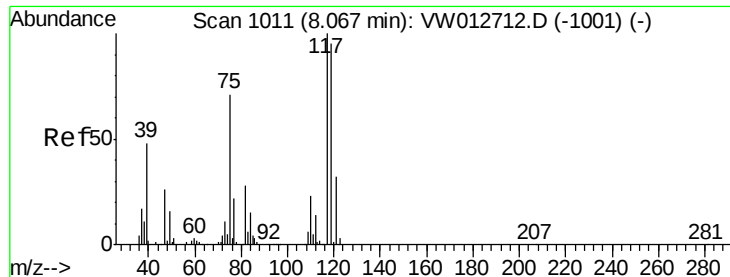


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.095 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012924.D

Acq: 11 Sep 2019 18:57

Instrument :

MSVOA_W

ClientSampleId :

T2-3-(4)

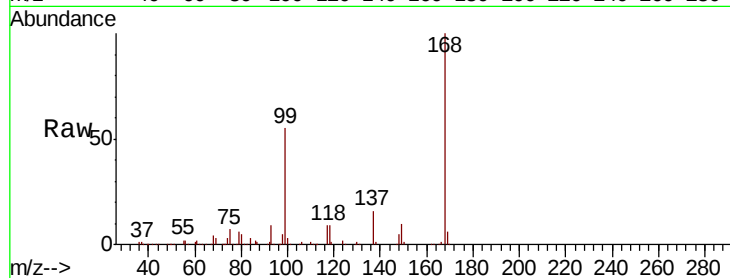
Tgt Ion:117 Resp: 25325

Ion Ratio Lower Upper

117 100

119 6.7 76.2 114.2#

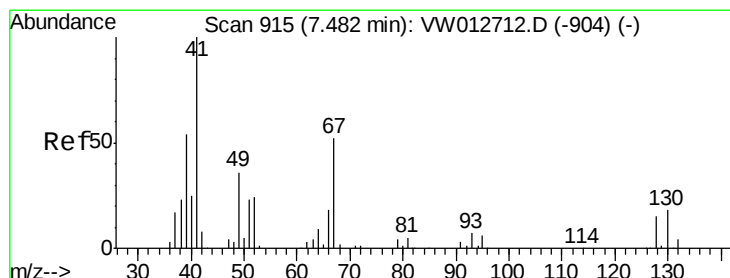
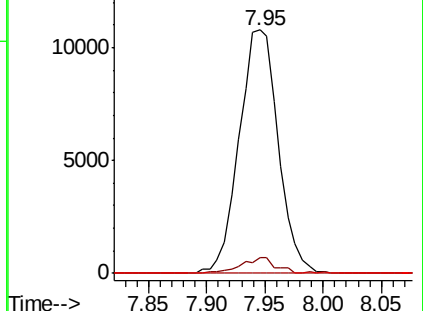
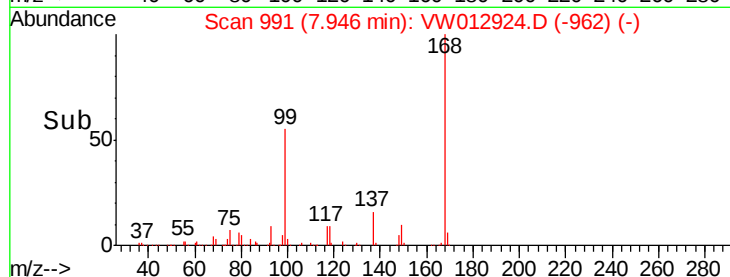
121 0.0 25.4 38.2#



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: 3.911 ug/l

RT: 7.45 min Scan# 910

Delta R.T. -0.03 min

Lab File: VW012924.D

Acq: 11 Sep 2019 18:57

Tgt Ion: 41 Resp: 123

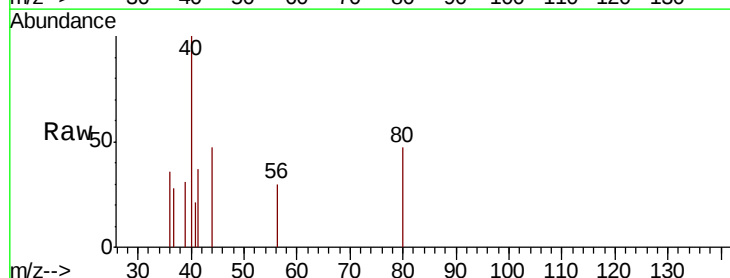
Ion Ratio Lower Upper

41 100

39 61.0 47.5 71.3

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

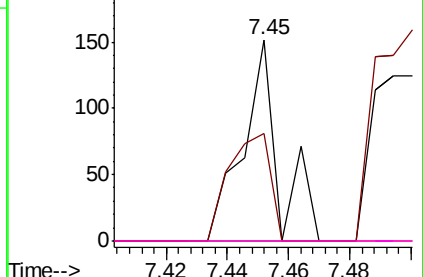
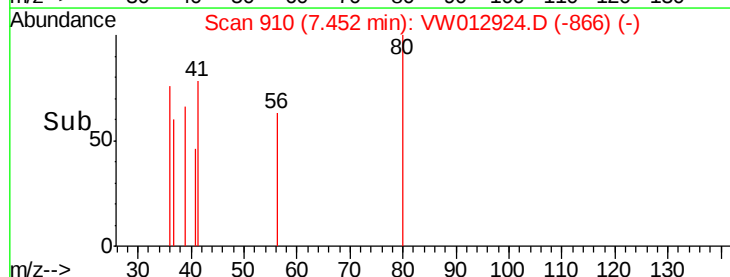


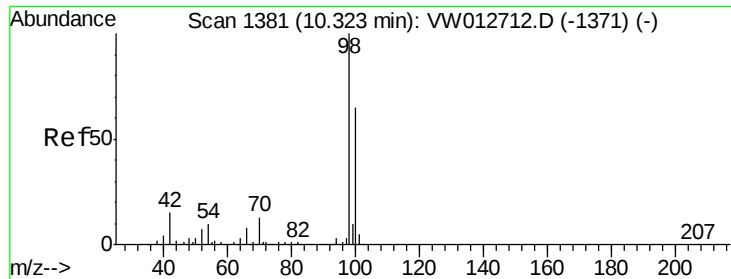
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#50

Toluene-d8

Concen: 50.538 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012924.D

Acq: 11 Sep 2019 18:57

Instrument :

MSVOA_W

ClientSampleId :

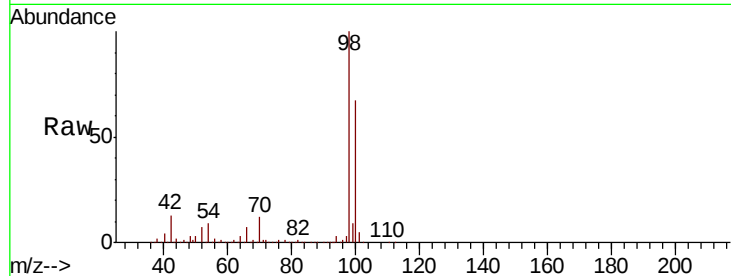
T2-3-(4)

Tgt Ion: 98 Resp: 479703

Ion Ratio Lower Upper

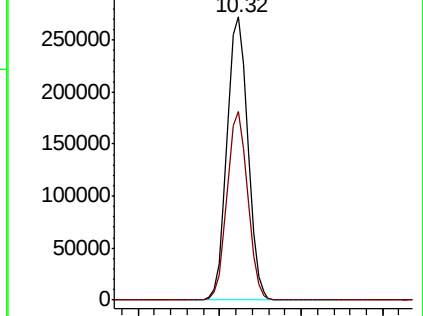
98 100

100 65.6 52.2 78.4

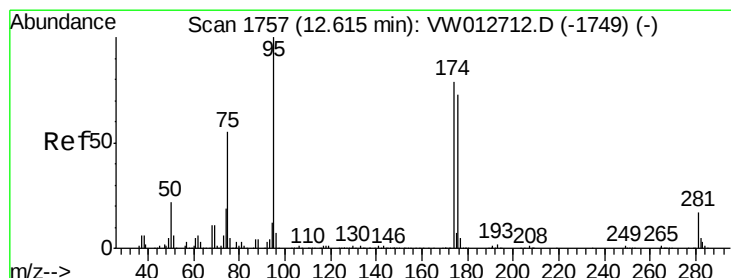
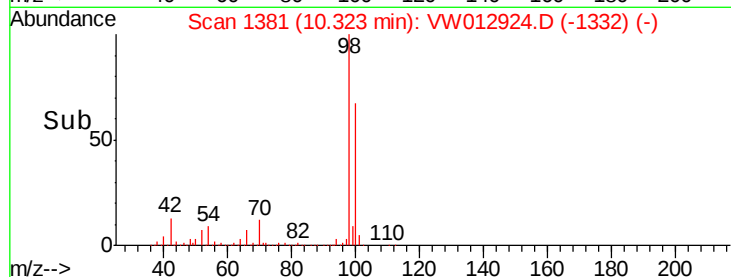


Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->



#62

4-Bromofluorobenzene

Concen: 45.480 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012924.D

Acq: 11 Sep 2019 18:57

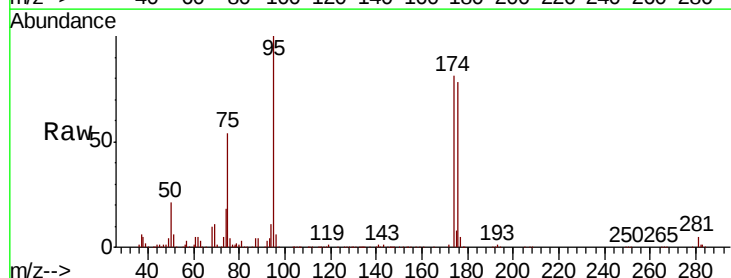
Tgt Ion: 95 Resp: 156718

Ion Ratio Lower Upper

95 100

174 83.9 0.0 161.0

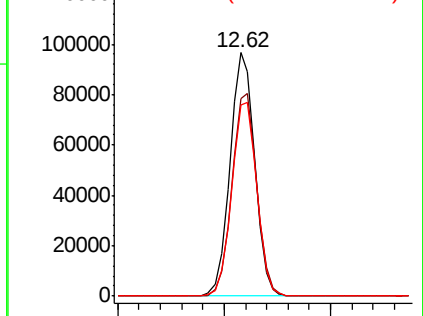
176 81.3 0.0 156.4



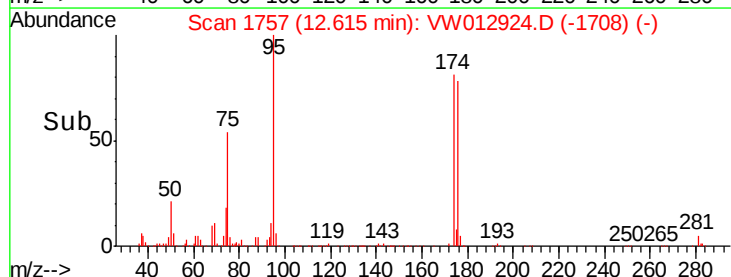
Abundance Ion 94.90 (94.60 to 95.60): VW

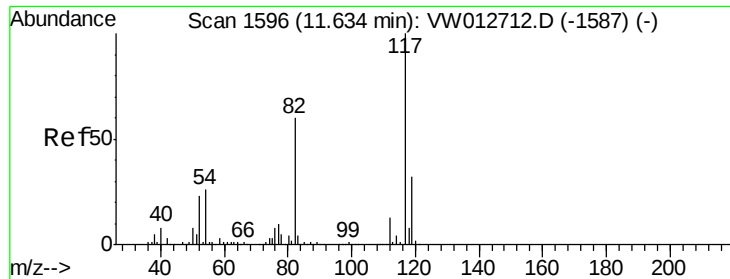
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

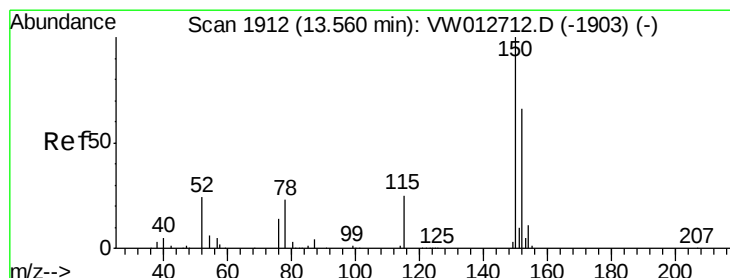
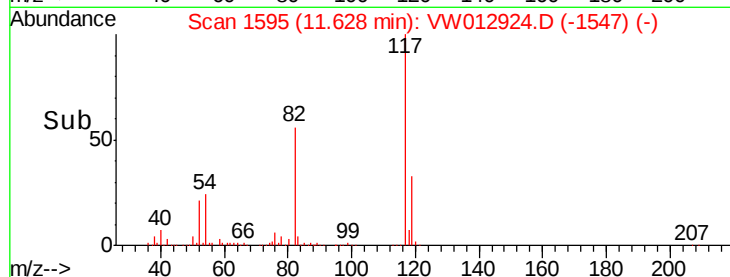
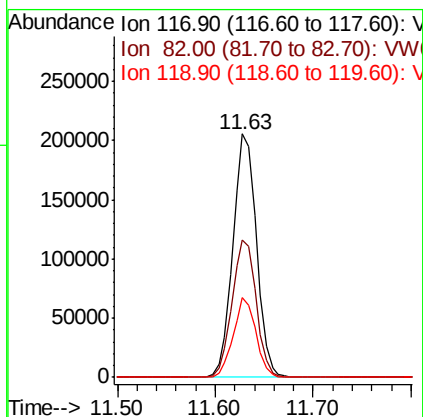
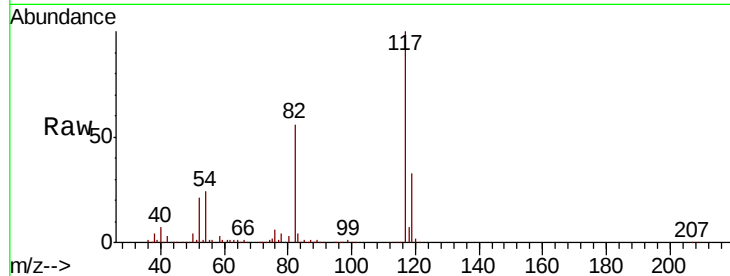




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012924.D
Acq: 11 Sep 2019 18:57

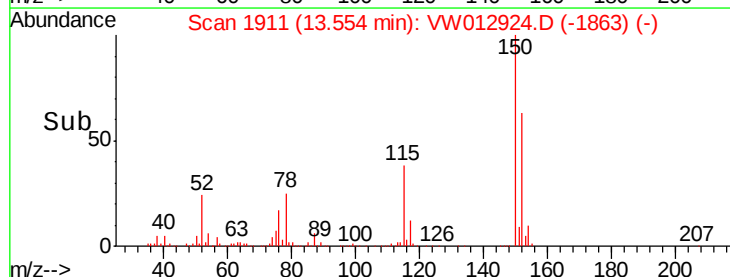
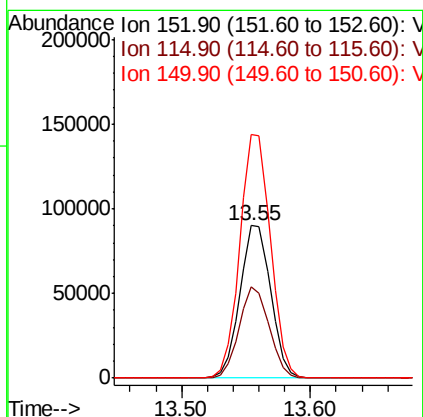
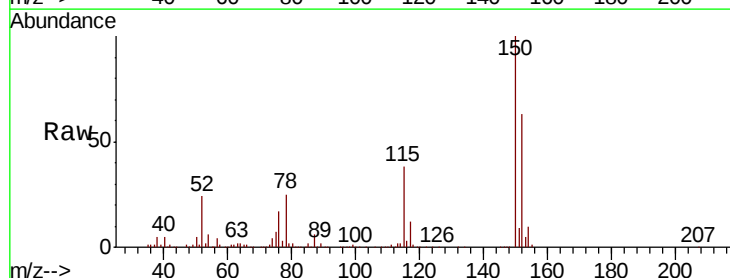
Instrument :
MSVOA_W
ClientSampleId :
T2-3-(4)

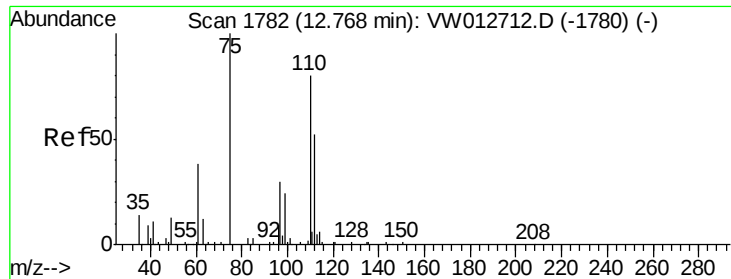
Tgt Ion:117 Resp: 343093
Ion Ratio Lower Upper
117 100
82 56.2 48.2 72.4
119 33.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012924.D
Acq: 11 Sep 2019 18:57

Tgt Ion:152 Resp: 148813
Ion Ratio Lower Upper
152 100
115 58.1 30.0 90.1
150 158.8 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 52.687 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012924.D

Acq: 11 Sep 2019 18:57

Instrument :

MSVOA_W

ClientSampleId :

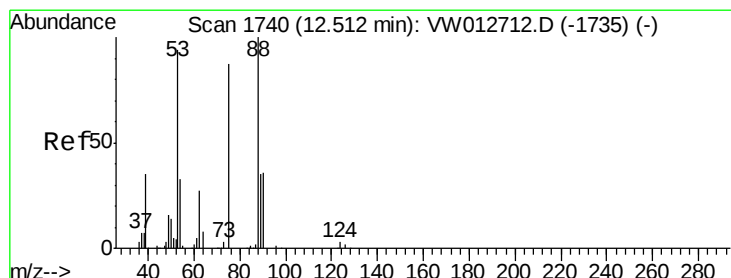
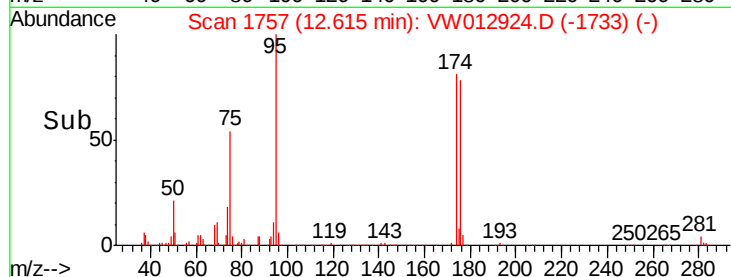
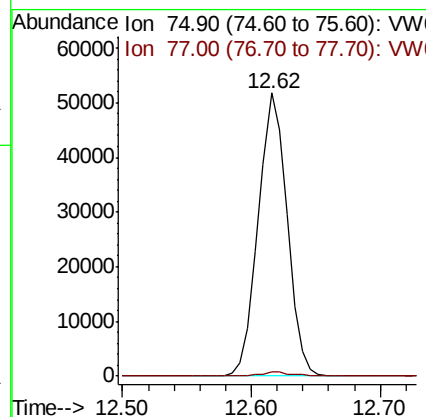
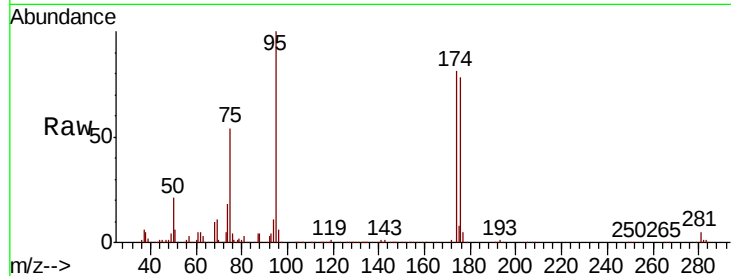
T2-3-(4)

Tgt Ion: 75 Resp: 80172

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 111.436 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012924.D

Acq: 11 Sep 2019 18:57

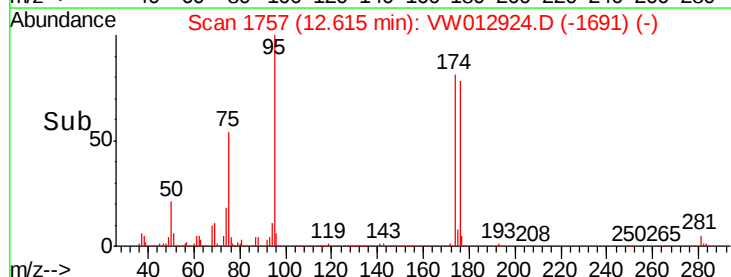
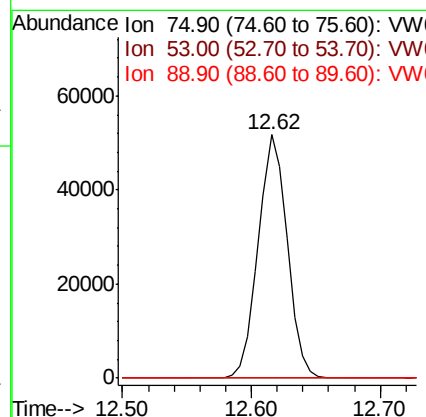
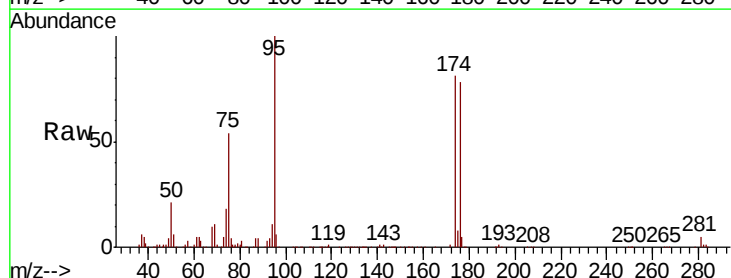
Tgt Ion: 75 Resp: 80172

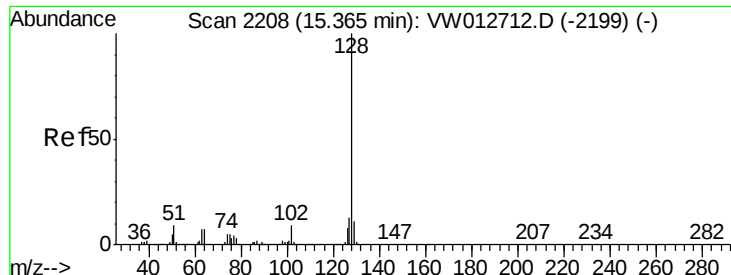
Ion Ratio Lower Upper

75 100

53 0.1 87.6 131.4#

89 0.0 35.5 53.3#





#95

Naphthalene

Concen: 4.494 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012924.D

Acq: 11 Sep 2019 18:57

Instrument :

MSVOA_W

ClientSampleId :

T2-3-(4)

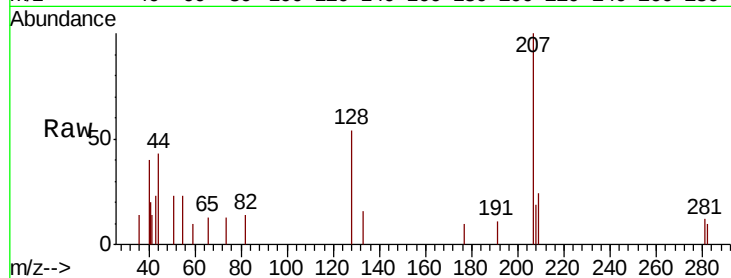
Tgt Ion:128 Resp: 377

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

