

Data File : VW012424.D
Acq On : 01 Sep 2019 02:46
Operator : SY/VA
Sample : K4516-01
Misc : 6.53G/5ML/MSVOA_W/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-S-B2-(0)

Quant Time: Sep 01 03:41:52 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	53548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	82575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	66025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	20101	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	34941	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	
35) Dibromofluoromethane	7.88	113	27365	55.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.04%	
50) Toluene-d8	10.32	98	99384	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.62	95	26627	37.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.60%	

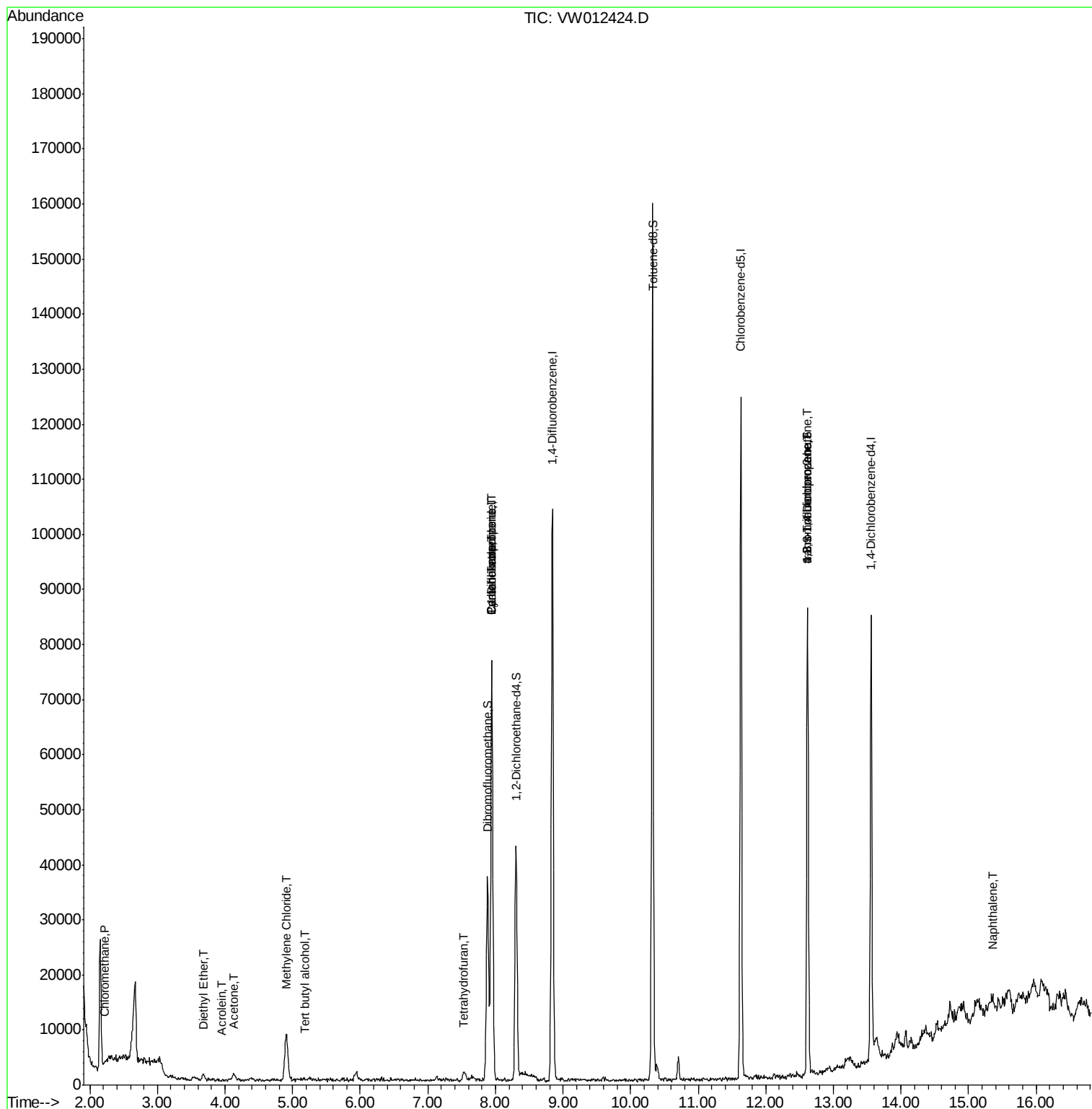
Target Compounds			Qvalue			
3) Chloromethane	2.22	50	573	1.122	ug/l #	76
8) Diethyl Ether	3.68	74	458	1.537	ug/l	53
11) Tert butyl alcohol	5.17	59	237	6.187	ug/l #	71
13) Acrolein	3.96	56	43	1.192	ug/l #	15
16) Acetone	4.12	43	2156	13.250	ug/l #	86
20) Methylene Chloride	4.91	84	5669	9.216	ug/l	88
29) Tetrahydrofuran	7.53	42	1512	11.398	ug/l #	83
31) Cyclohexane	7.94	56	1424	1.242	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	4740	5.555	ug/l #	53
38) Carbon Tetrachloride	7.95	117	5632	7.626	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	14404	73.576	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	14404	161.319	ug/l #	6
95) Naphthalene	15.36	128	259	4.633	ug/l #	57

(#) = 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

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Acq: 01 Sep 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

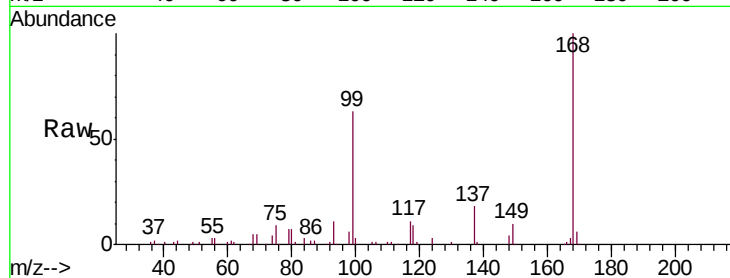
T1-S-B2-(0)

Tgt Ion:168 Resp: 53548

Ion Ratio Lower Upper

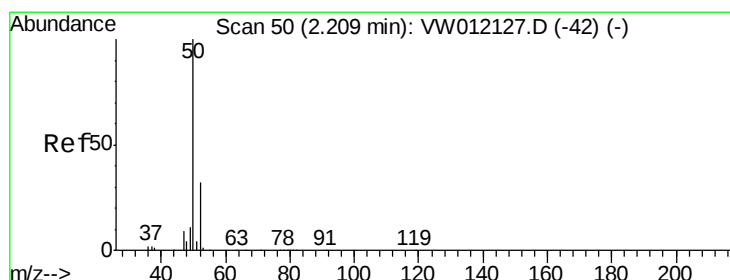
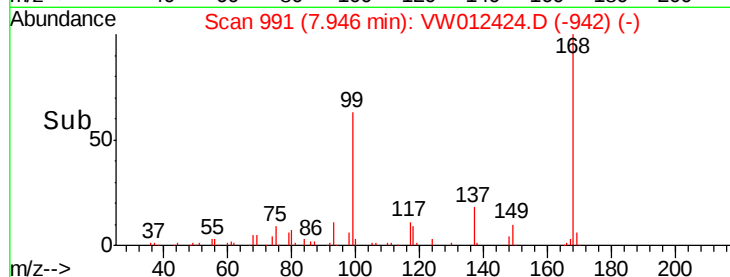
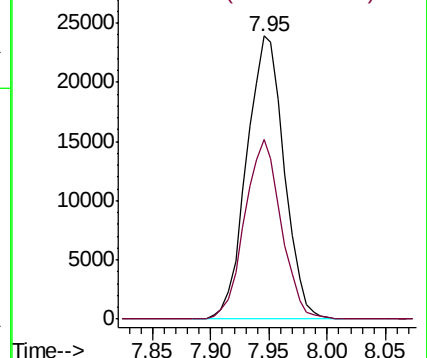
168 100

99 63.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.122 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW012424.D

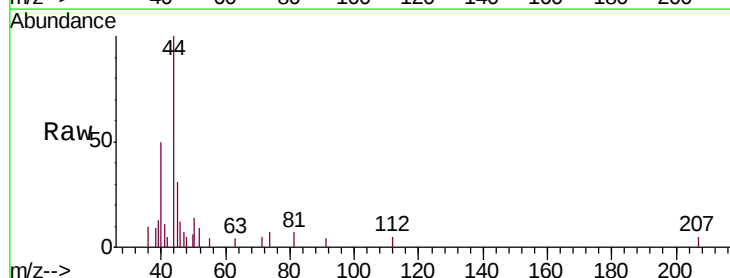
Acq: 01 Sep 2019 02:46

Tgt Ion: 50 Resp: 573

Ion Ratio Lower Upper

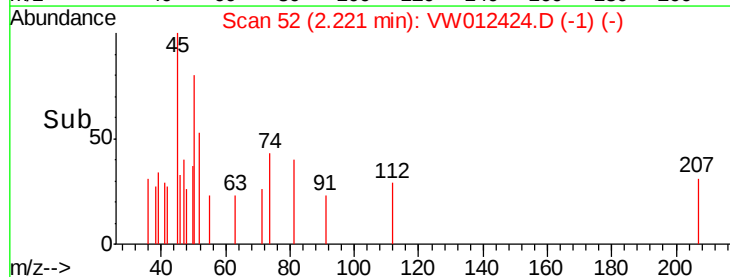
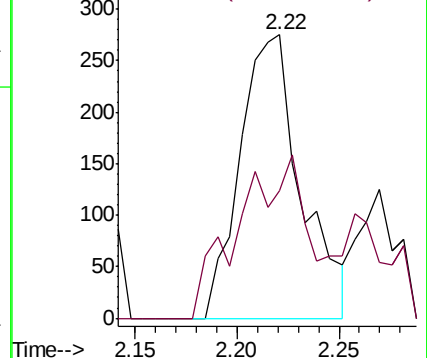
50 100

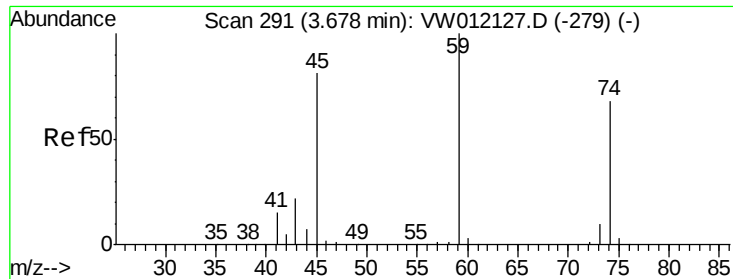
52 45.1 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#8

Diethyl Ether

Concen: 1.537 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012424.D

Acq: 01 Sep 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

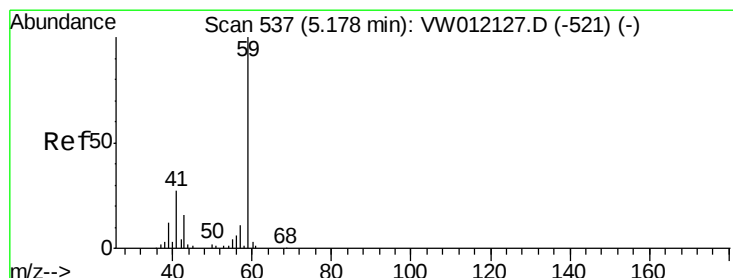
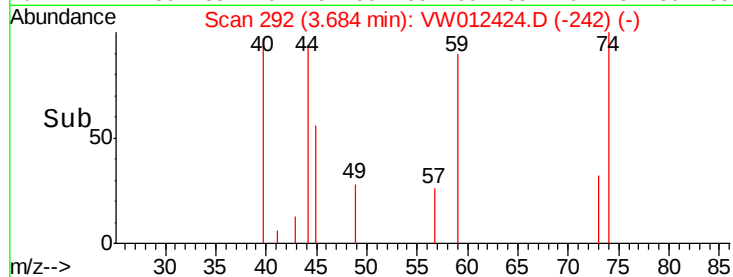
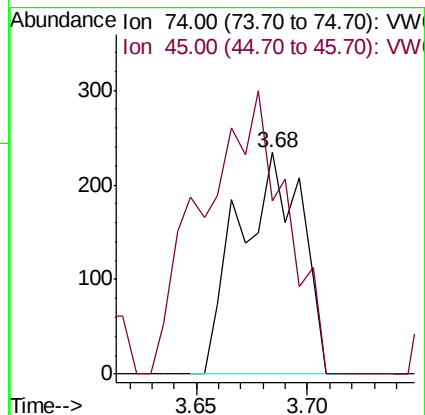
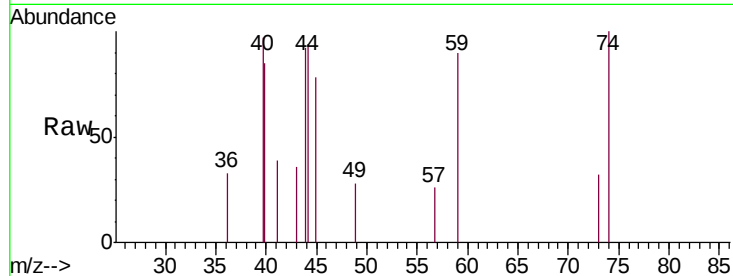
T1-S-B2-(0)

Tgt Ion: 74 Resp: 458

Ion Ratio Lower Upper

74 100

45 170.1 59.2 177.6



#11

Tert butyl alcohol

Concen: 6.187 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW012424.D

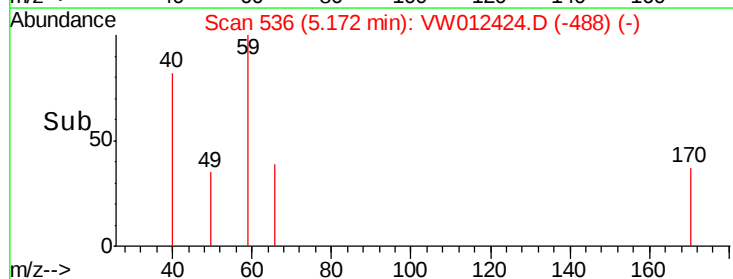
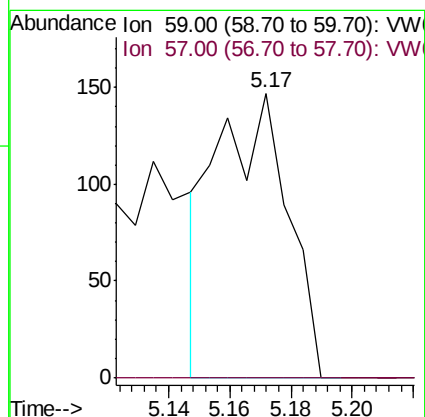
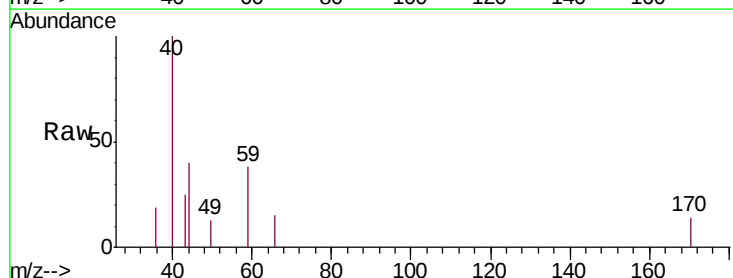
Acq: 01 Sep 2019 02:46

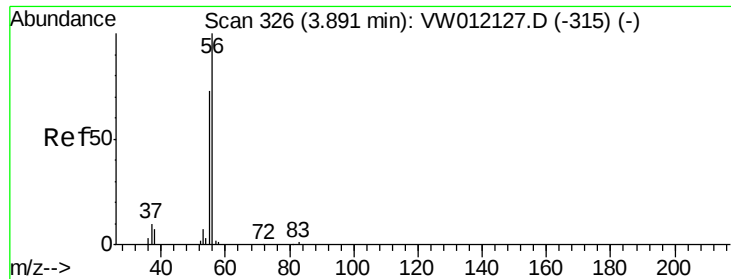
Tgt Ion: 59 Resp: 237

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#

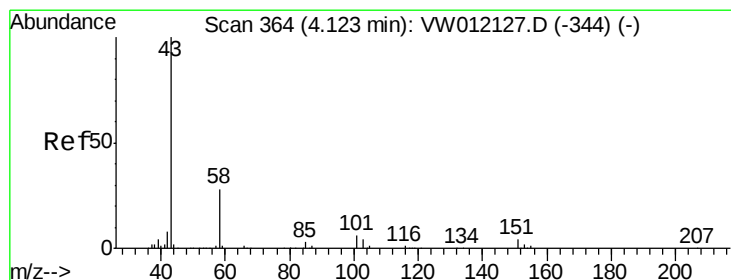
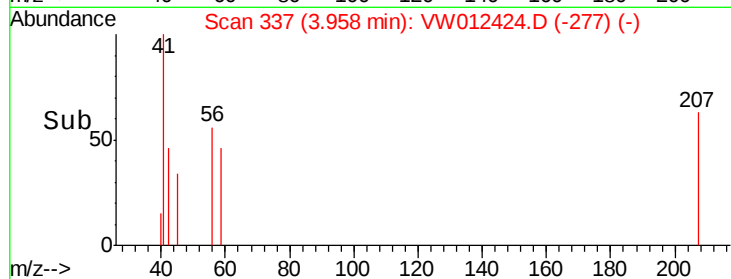
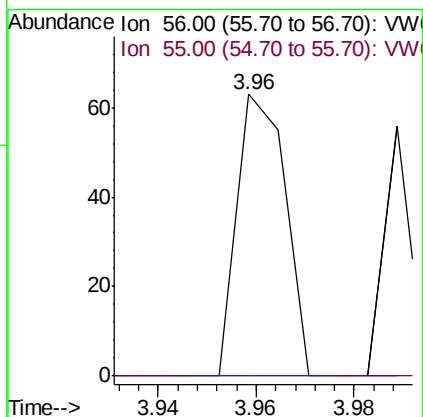
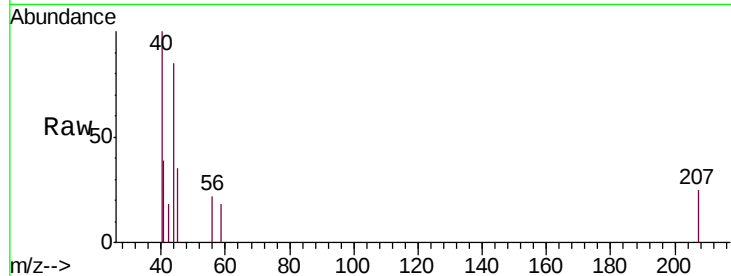




#13
Acrolein
Concen: 1.192 ug/l
RT: 3.96 min Scan# 337
Delta R.T. 0.07 min
Lab File: VW012424.D
Acq: 01 Sep 2019 02:46

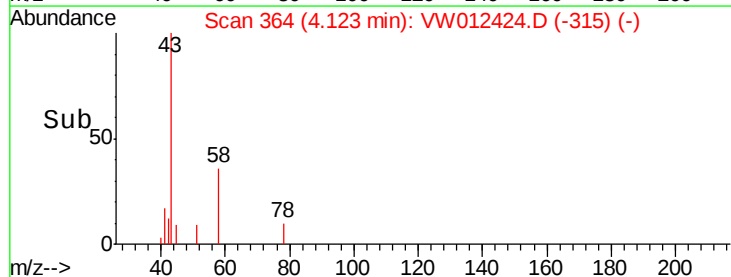
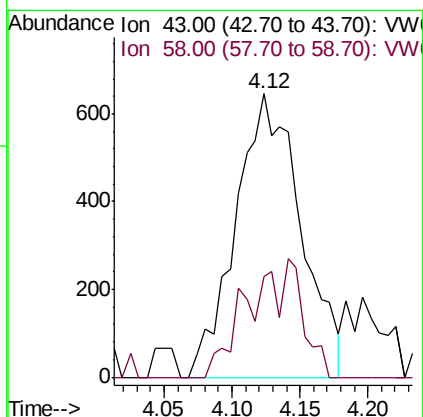
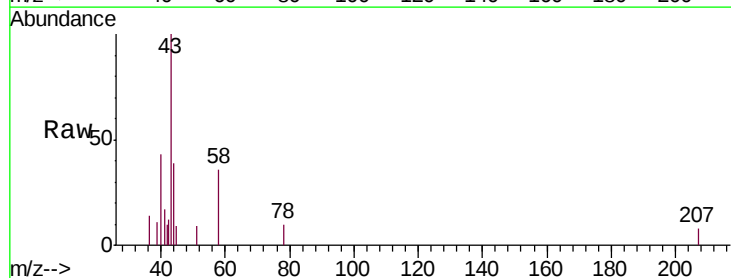
Instrument :
MSVOA_W
ClientSampleId :
T1-S-B2-(0)

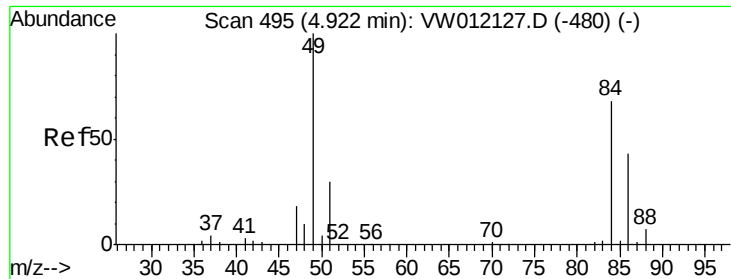
Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 13.250 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW012424.D
Acq: 01 Sep 2019 02:46

Tgt Ion: 43 Resp: 2156
Ion Ratio Lower Upper
43 100
58 35.6 22.4 33.6#

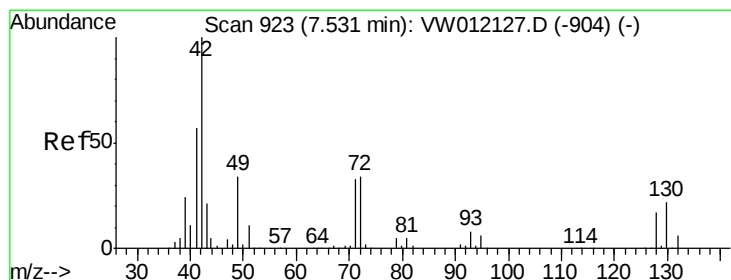
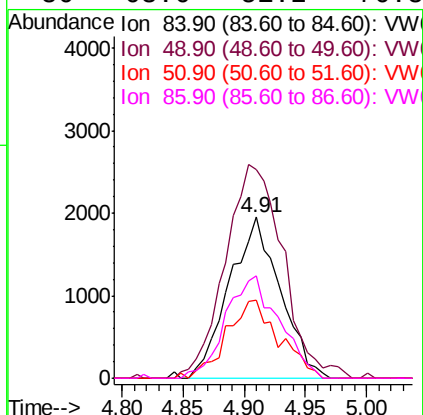
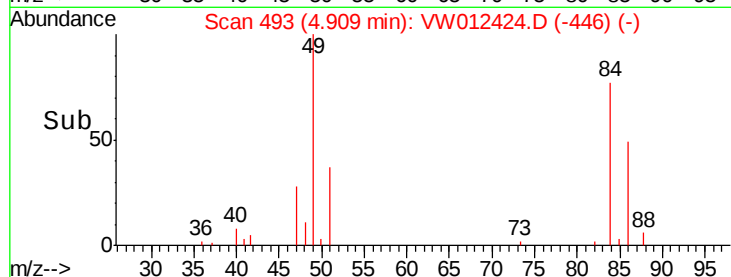
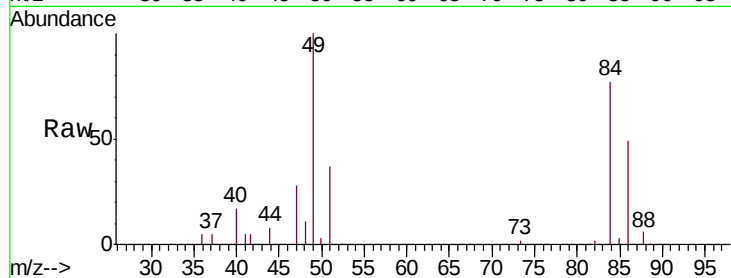




#20
Methylene Chloride
Concen: 9.216 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012424.D
Acq: 01 Sep 2019 02:46

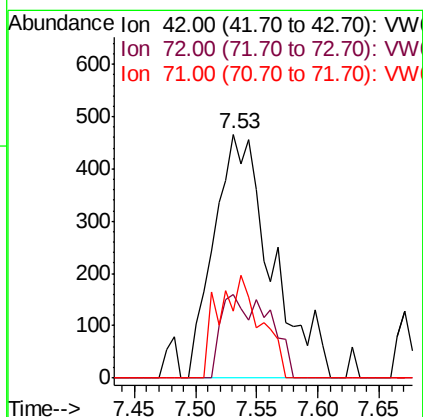
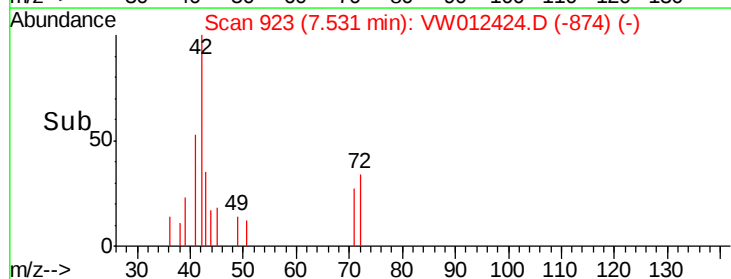
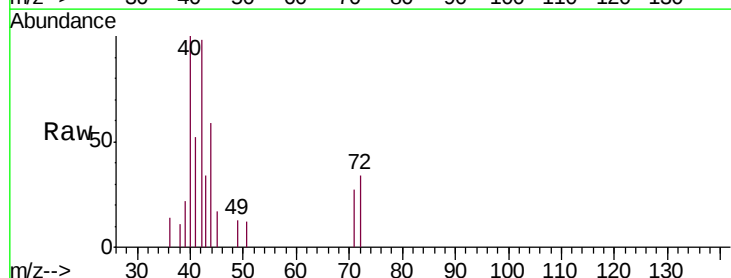
Instrument :
MSVOA_W
ClientSampleId :
T1-S-B2-(0)

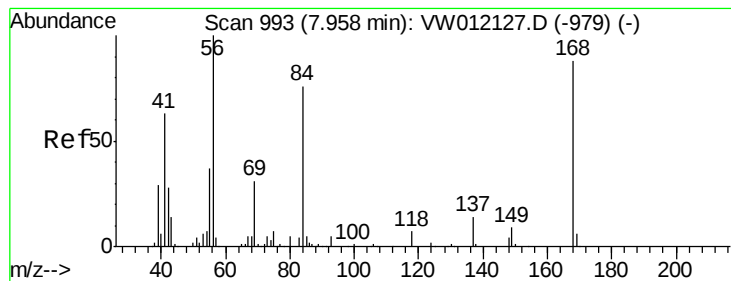
Tgt Ion: 84 Resp: 5669
Ion Ratio Lower Upper
84 100
49 124.8 117.8 176.8
51 48.7 35.6 53.4
86 63.6 51.2 76.8



#29
Tetrahydrofuran
Concen: 11.398 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012424.D
Acq: 01 Sep 2019 02:46

Tgt Ion: 42 Resp: 1512
Ion Ratio Lower Upper
42 100
72 15.8 27.3 40.9#
71 31.1 25.5 38.3





#31

Cyclohexane

Concen: 1.242 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012424.D

Acq: 01 Sep 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B2-(0)

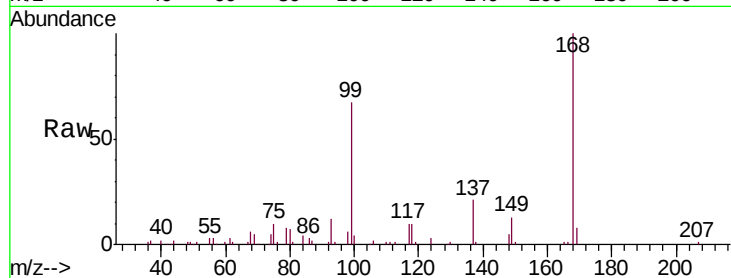
Tgt Ion: 56 Resp: 1424

Ion Ratio Lower Upper

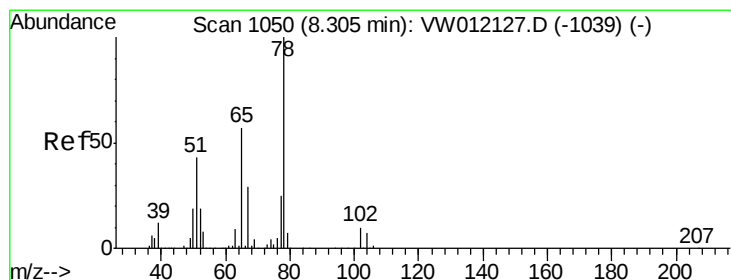
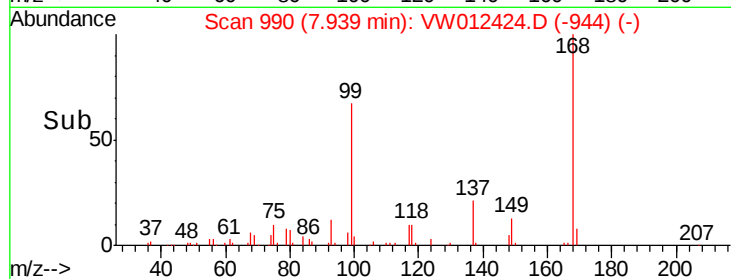
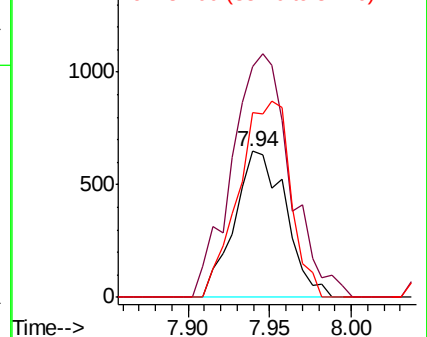
56 100

69 158.1 24.9 37.3#

84 126.0 60.6 90.8#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 54.891 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012424.D

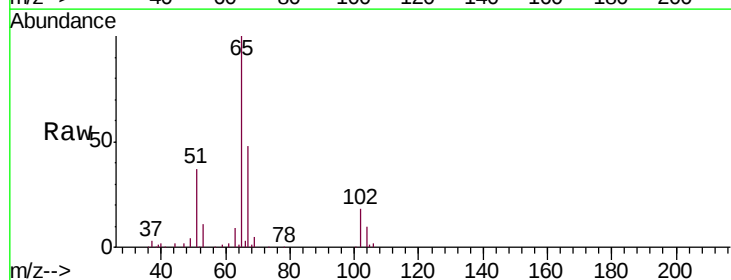
Acq: 01 Sep 2019 02:46

Tgt Ion: 65 Resp: 34941

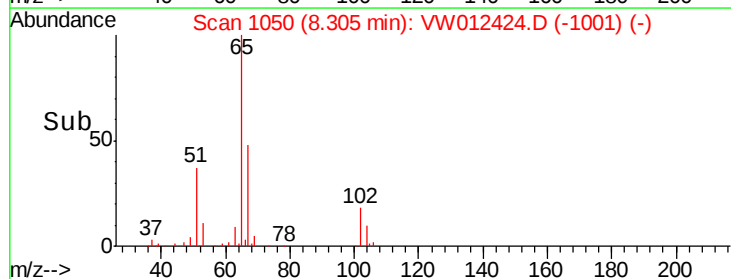
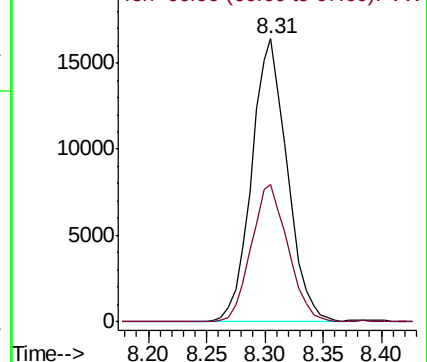
Ion Ratio Lower Upper

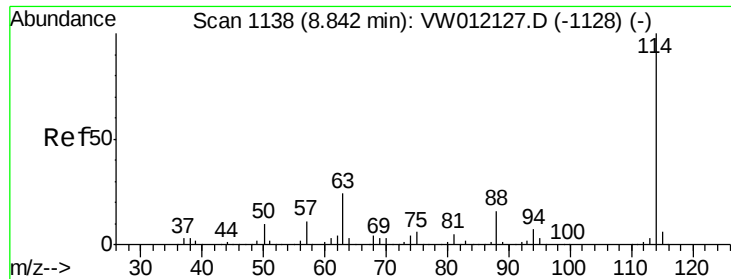
65 100

67 50.2 0.0 102.6



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

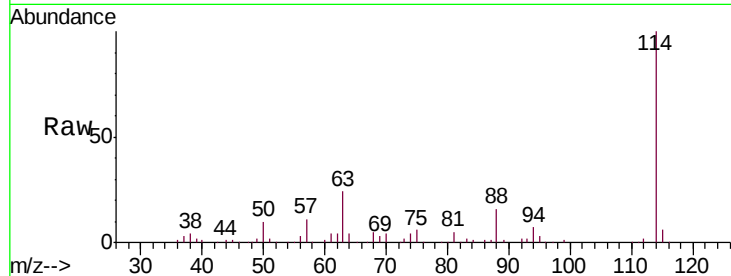




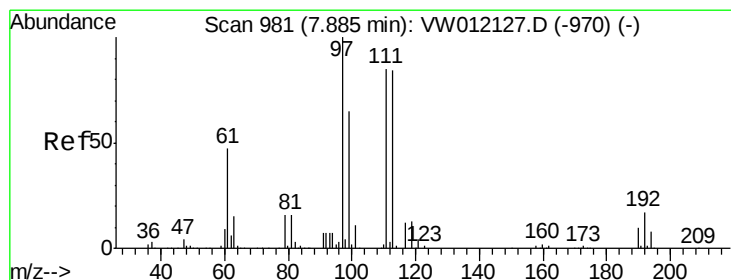
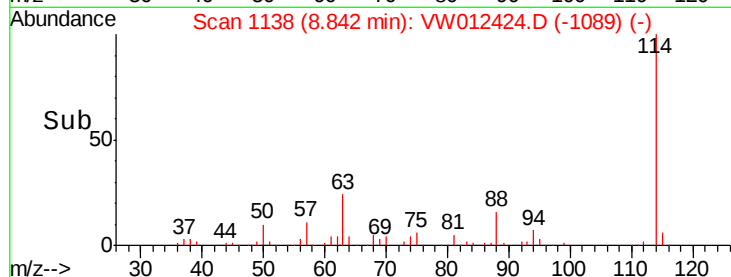
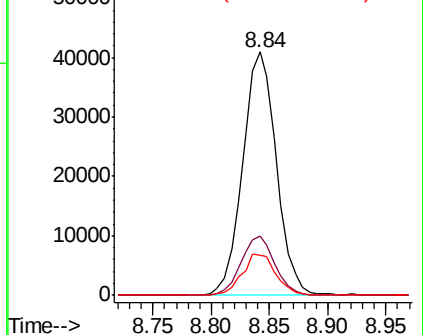
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012424.D
 Acq: 01 Sep 2019 02:46

Instrument :
 MSVOA_W
 ClientSampled :
 T1-S-B2-(0)

Tgt Ion:114 Resp: 82575
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 48.6
 88 16.3 0.0 32.2

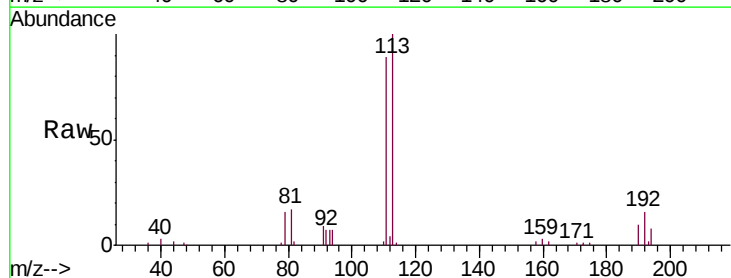


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

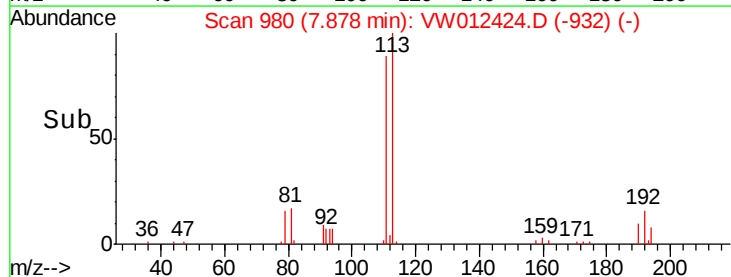
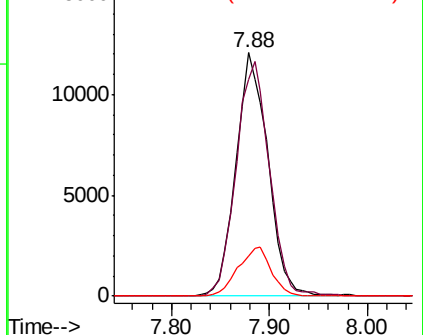


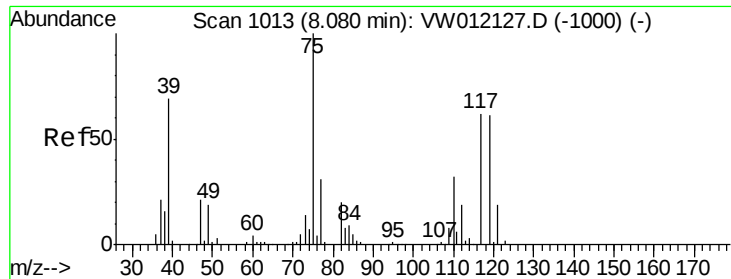
#35
 Dibromofluoromethane
 Concen: 55.519 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012424.D
 Acq: 01 Sep 2019 02:46

Tgt Ion:113 Resp: 27365
 Ion Ratio Lower Upper
 113 100
 111 100.3 82.7 124.1
 192 20.6 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.555 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW012424.D

Acq: 01 Sep 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B2-(0)

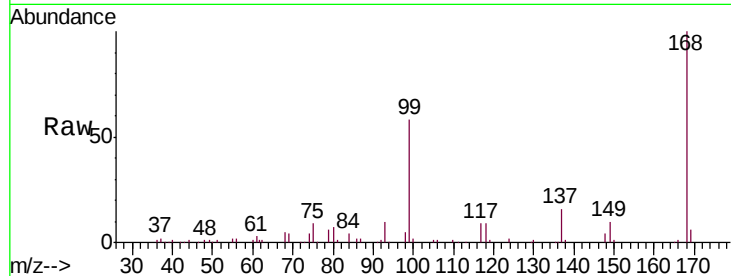
Tgt Ion: 75 Resp: 4740

Ion Ratio Lower Upper

75 100

110 10.7 15.6 46.8#

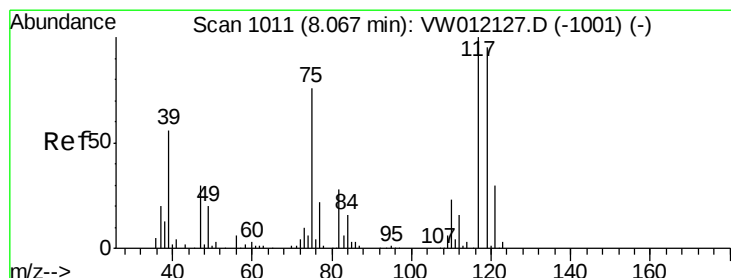
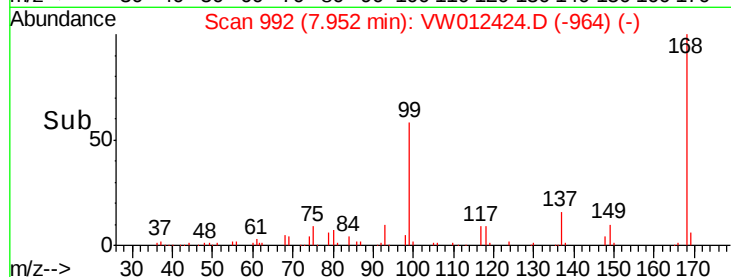
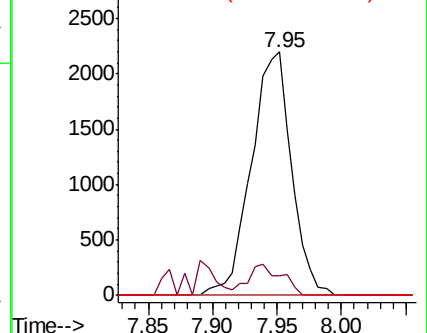
77 0.0 24.6 36.8#



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



#38

Carbon Tetrachloride

Concen: 7.626 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012424.D

Acq: 01 Sep 2019 02:46

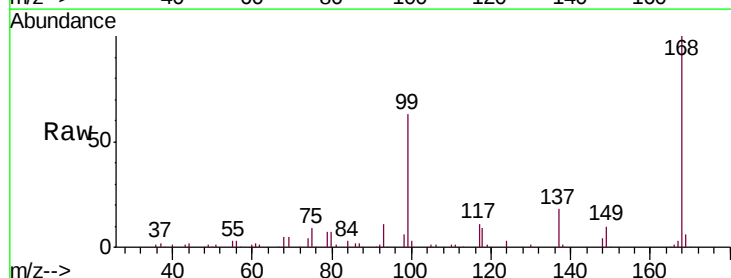
Tgt Ion: 117 Resp: 5632

Ion Ratio Lower Upper

117 100

119 6.1 76.2 114.2#

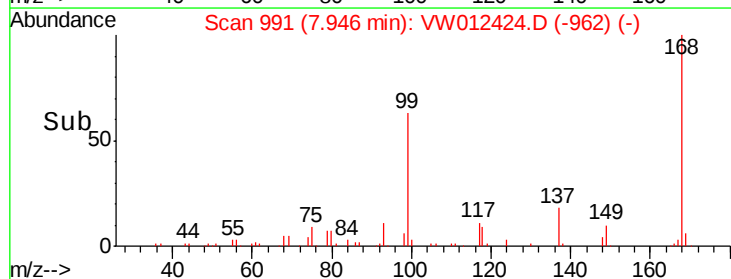
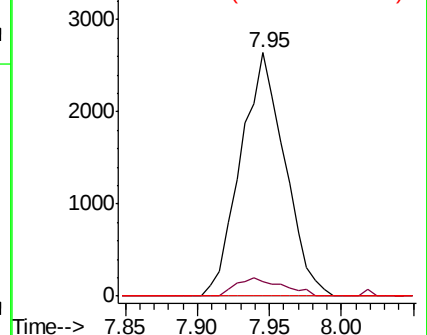
121 0.0 23.8 35.8#

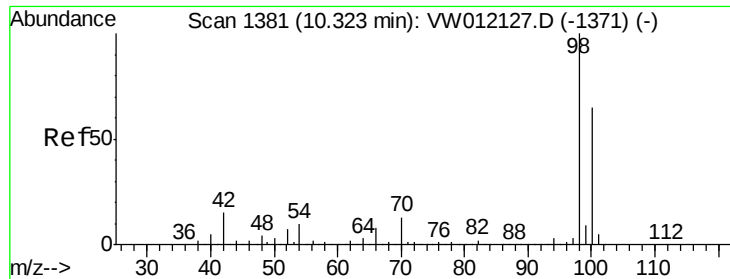


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.728 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012424.D

Acq: 01 Sep 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

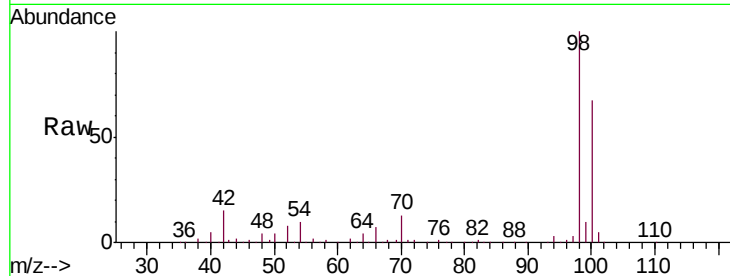
T1-S-B2-(0)

Tgt Ion: 98 Resp: 99384

Ion Ratio Lower Upper

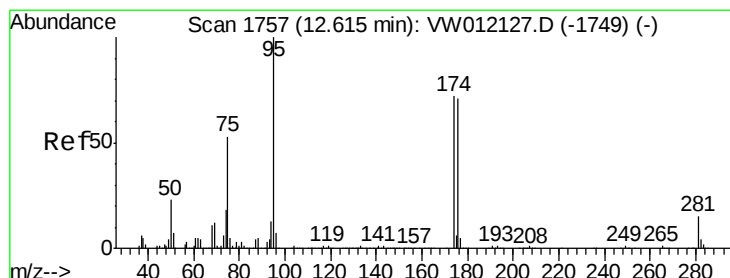
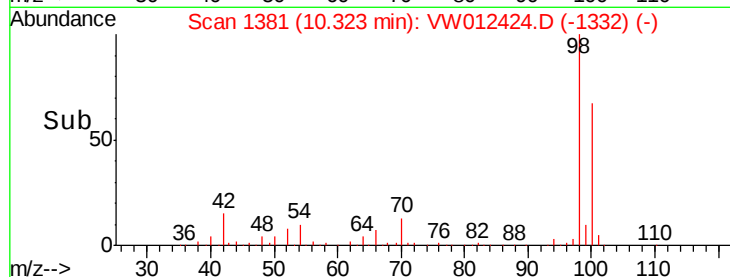
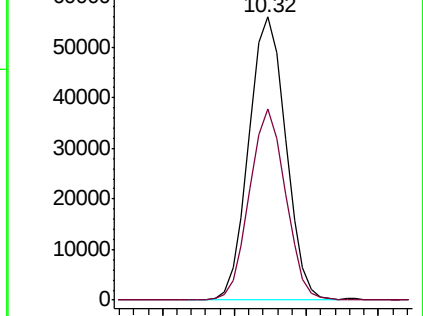
98 100

100 65.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 37.797 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012424.D

Acq: 01 Sep 2019 02:46

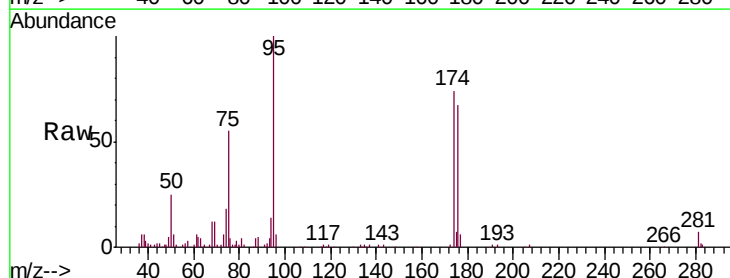
Tgt Ion: 95 Resp: 26627

Ion Ratio Lower Upper

95 100

174 77.4 0.0 150.8

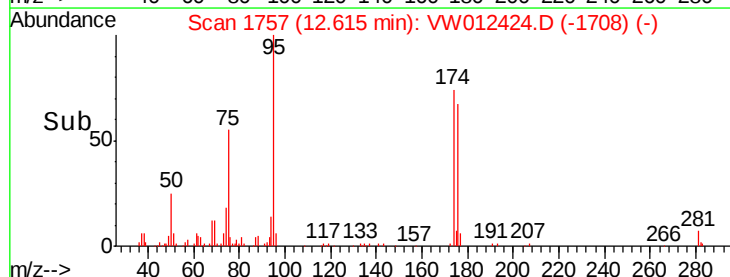
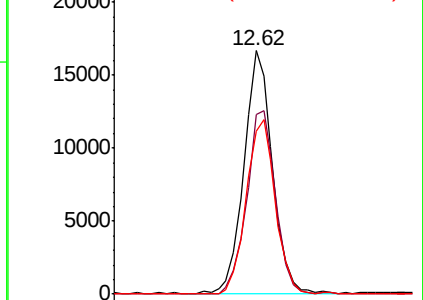
176 74.0 0.0 148.6

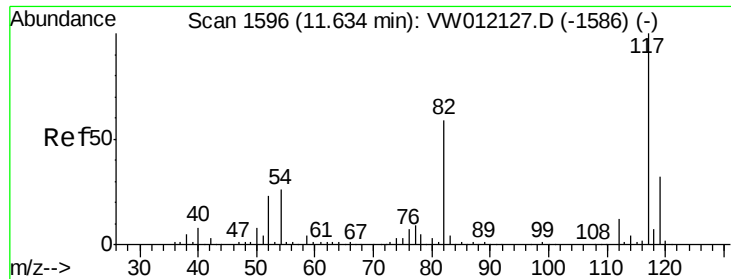


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

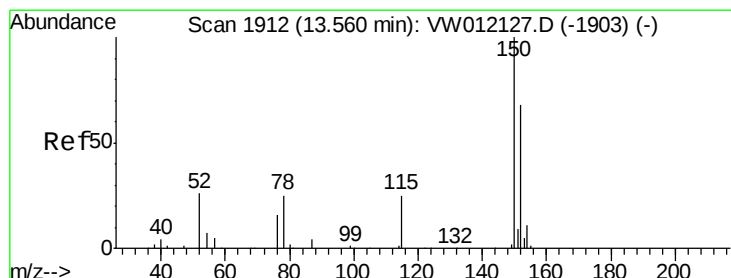
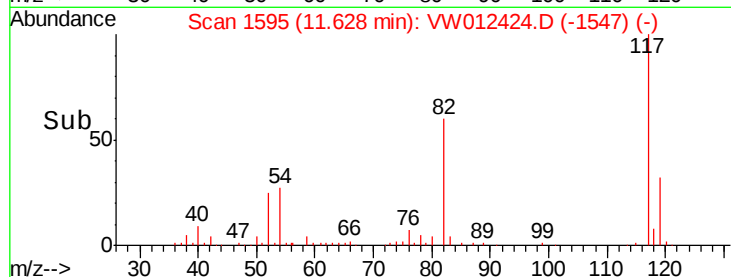
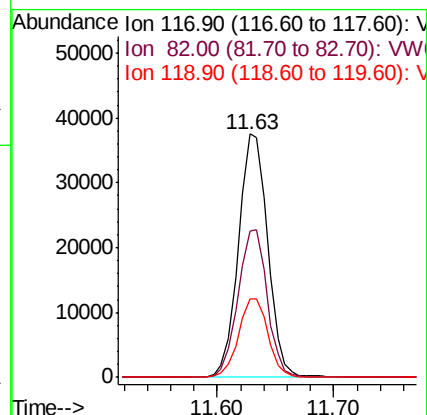
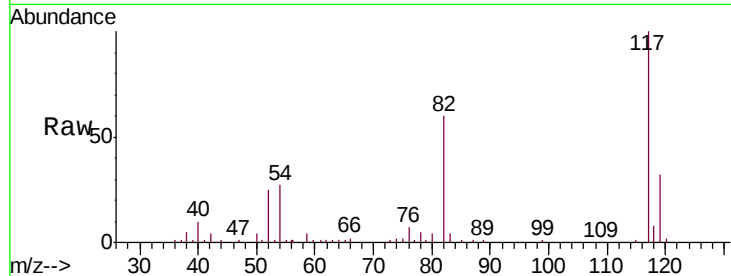




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012424.D
Acq: 01 Sep 2019 02:46

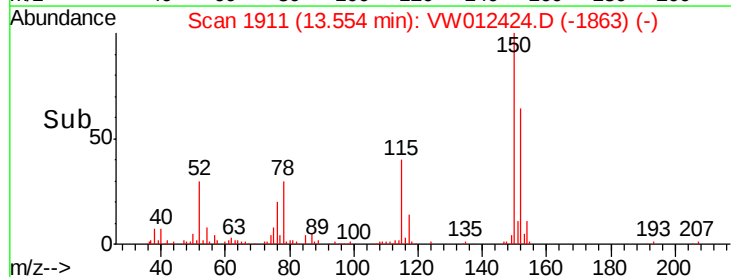
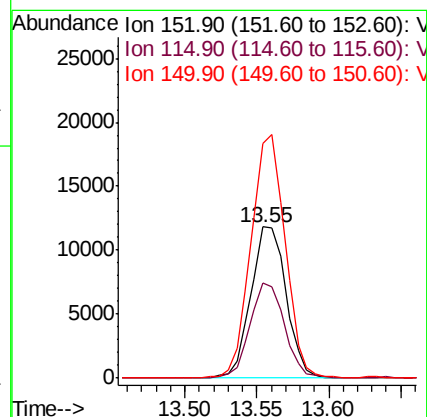
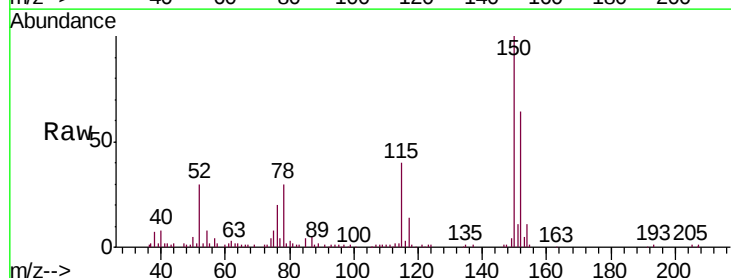
Instrument :
MSVOA_W
ClientSampleId :
T1-S-B2-(0)

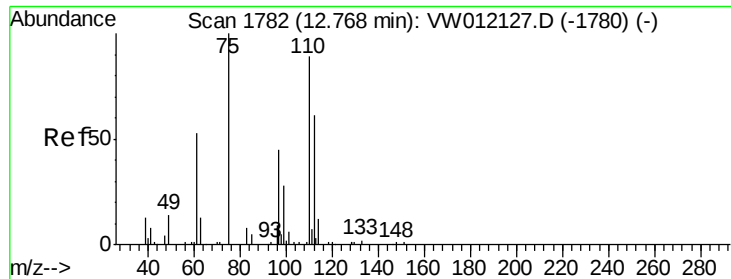
Tgt Ion:117 Resp: 66025
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012424.D
Acq: 01 Sep 2019 02:46

Tgt Ion:152 Resp: 20101
Ion Ratio Lower Upper
152 100
115 61.5 30.1 90.3
150 155.2 0.0 345.8

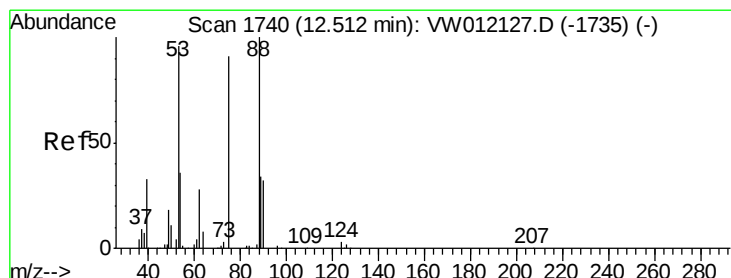
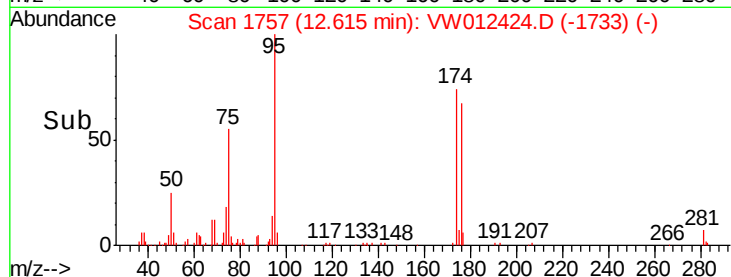
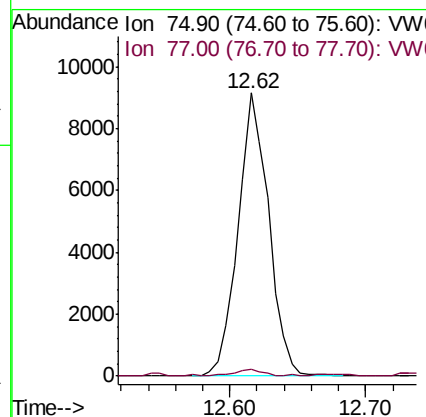
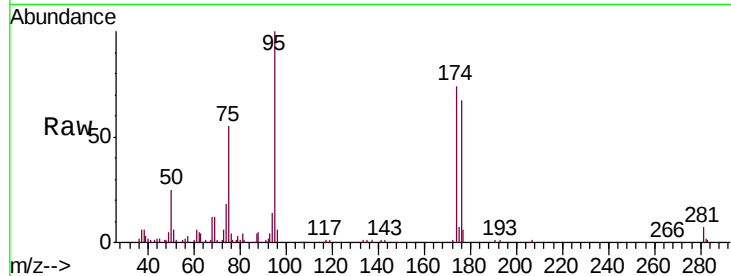




#76
 1,2,3-Trichloropropane
 Concen: 73.576 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012424.D
 Acq: 01 Sep 2019 02:46

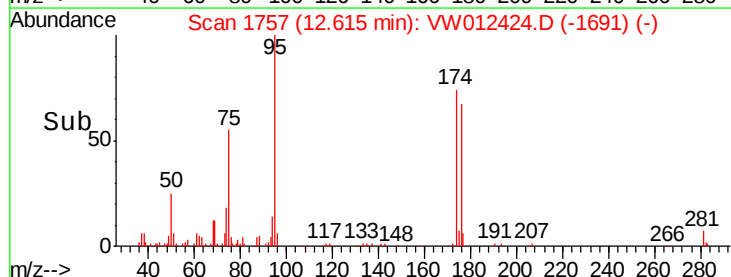
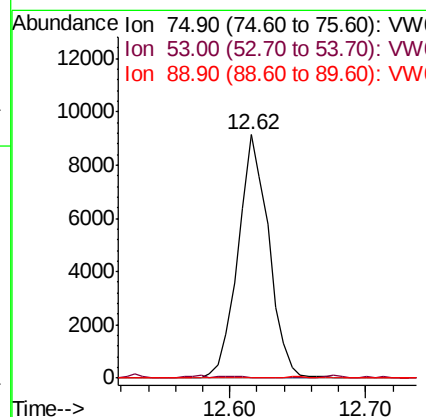
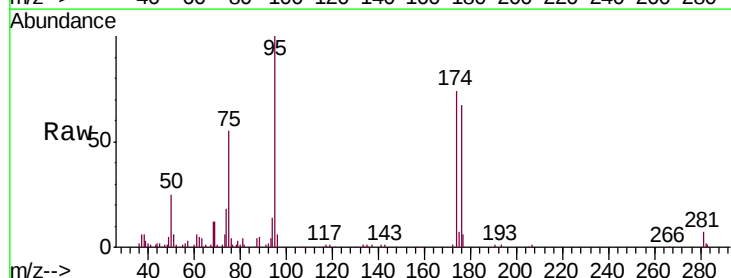
Instrument :
 MSVOA_W
 ClientSampled :
 T1-S-B2-(0)

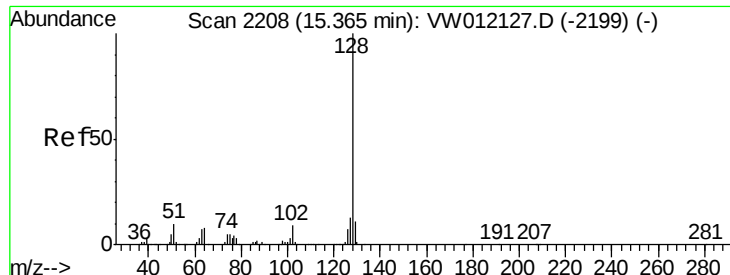
Tgt Ion: 75 Resp: 14404
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 161.319 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012424.D
 Acq: 01 Sep 2019 02:46

Tgt Ion: 75 Resp: 14404
 Ion Ratio Lower Upper
 75 100
 53 0.0 89.4 134.0#
 89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.633 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012424.D

Acq: 01 Sep 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B2-(0)

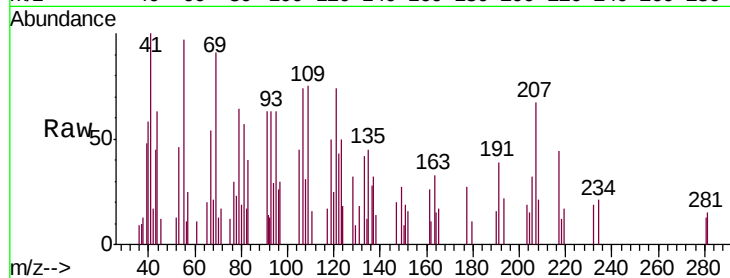
Tgt Ion:128 Resp: 259

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 31.7 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

