

Data File : VW012423.D
Acq On : 01 Sep 2019 02:20
Operator : SY/VA
Sample : K4517-17
Misc : 6.83G/5ML/MSVOA_W/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-S-E-(2.5)

Quant Time: Sep 01 03:41:38 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	228649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	381491	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	128568	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	154773	56.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.88%	
35) Dibromofluoromethane	7.88	113	118663	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
50) Toluene-d8	10.32	98	489481	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.62	95	155556	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

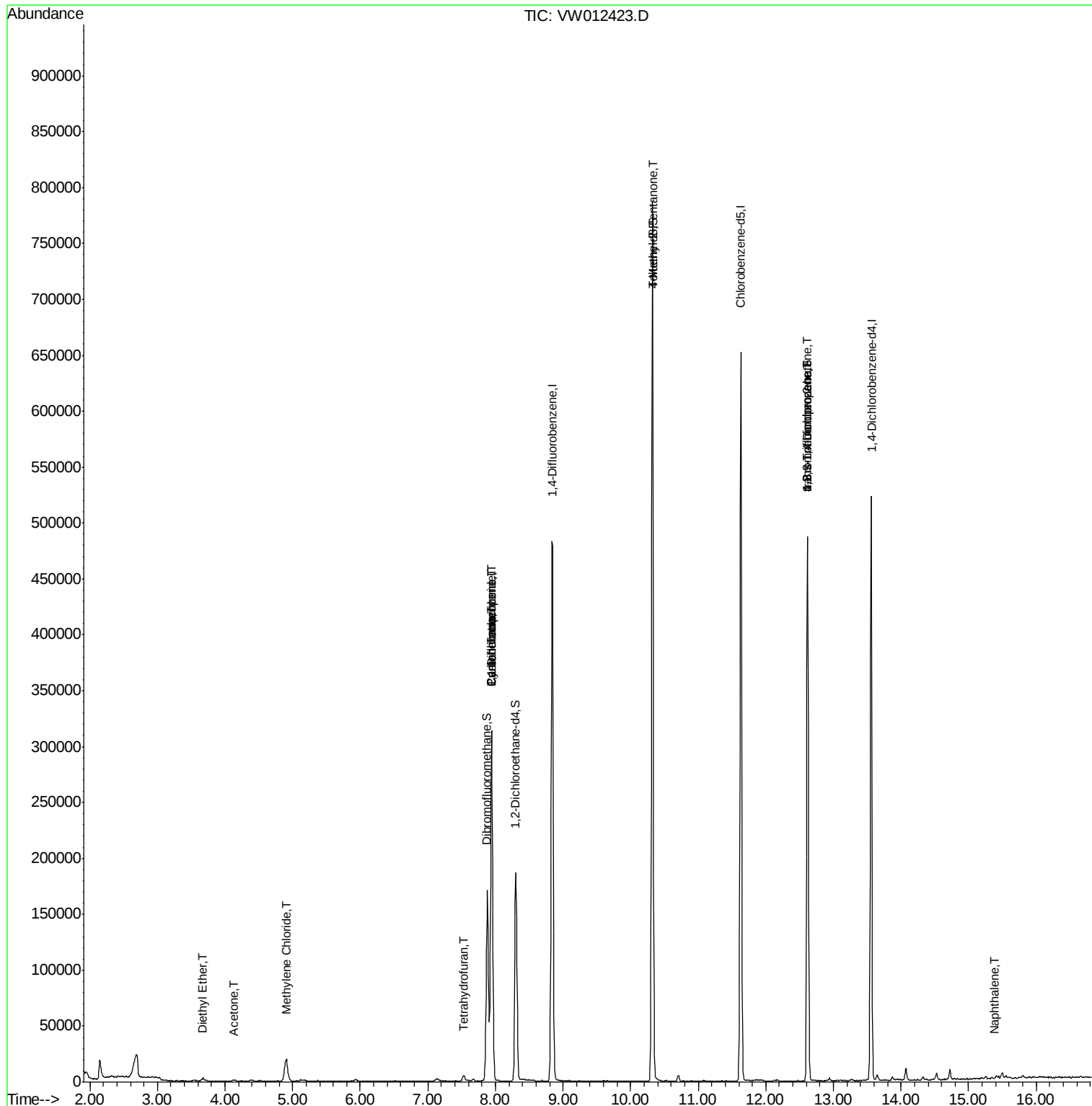
						Qvalue
8) Diethyl Ether	3.67	74	1298	1.020	ug/l	82
16) Acetone	4.13	43	1319	1.898	ug/l	95
20) Methylene Chloride	4.91	84	13481	5.132	ug/l	87
29) Tetrahydrofuran	7.52	42	4486	7.919	ug/l	97
31) Cyclohexane	7.94	56	6074	1.241	ug/l #	3
36) 1,1-Dichloropropene	7.94	75	19975	5.067	ug/l #	52
38) Carbon Tetrachloride	7.94	117	23703	6.947	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	2820	1.386	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	84878	67.785	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84878	148.622	ug/l #	6
95) Naphthalene	15.37	128	378	4.392	ug/l #	69

(#) = 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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Instrument :

MSVOA_W

ClientSampleId :

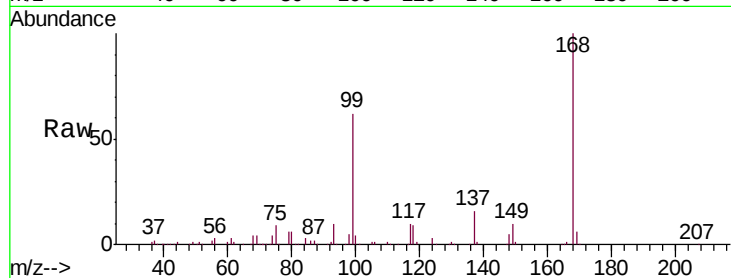
T4-S-E-(2.5)

Tgt Ion:168 Resp: 228649

Ion Ratio Lower Upper

168 100

99 62.3 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

20000

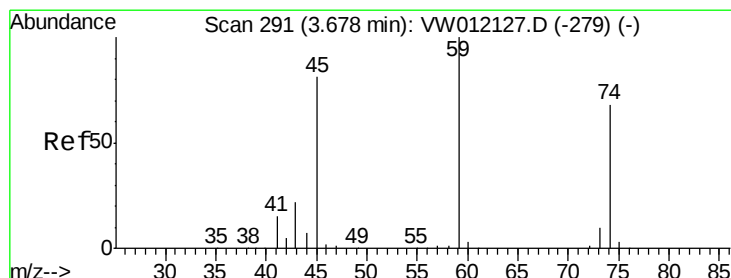
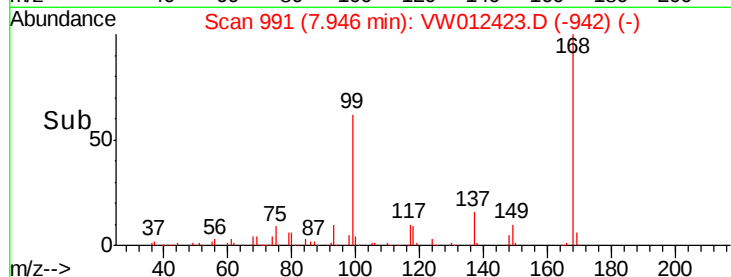
0

7.95

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 1.020 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012423.D

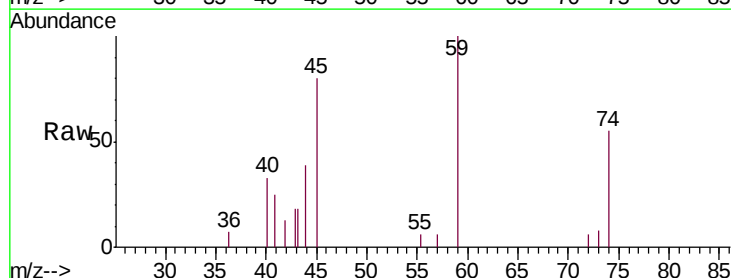
Acq: 01 Sep 2019 02:20

Tgt Ion: 74 Resp: 1298

Ion Ratio Lower Upper

74 100

45 138.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

800

600

400

200

0

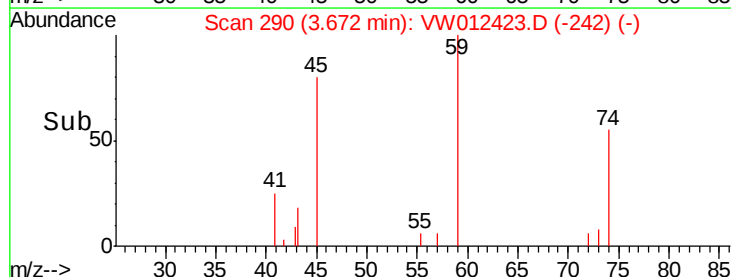
3.67

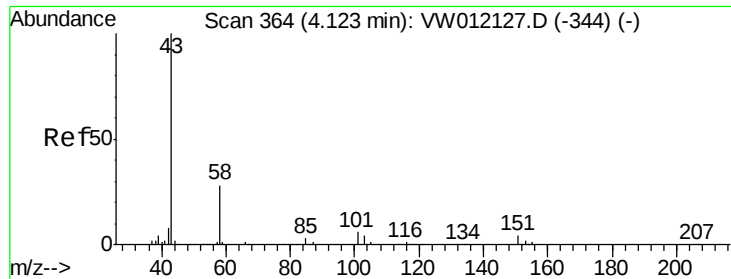
3.60

3.70

3.75

Time-->

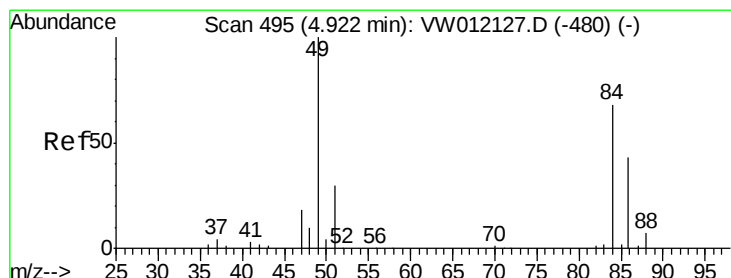
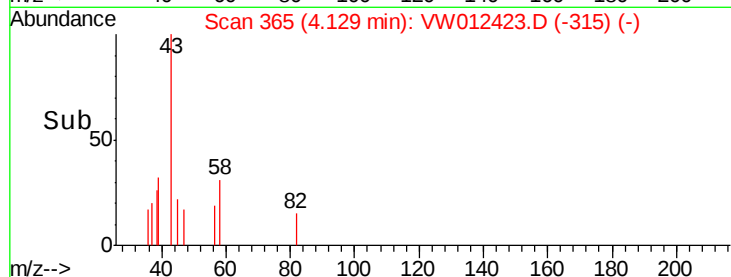
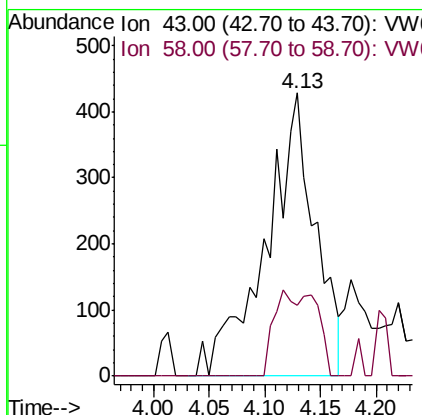
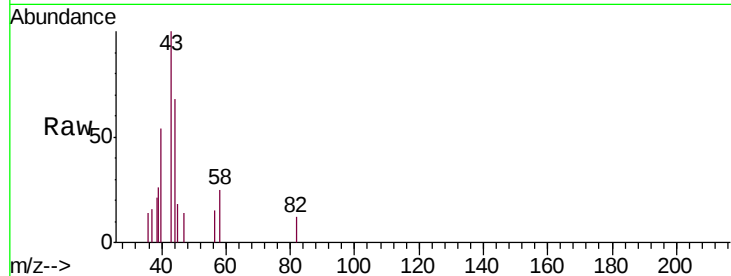




#16
Acetone
Concen: 1.898 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012423.D
Acq: 01 Sep 2019 02:20

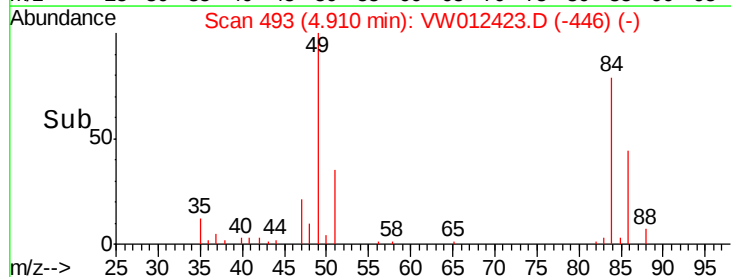
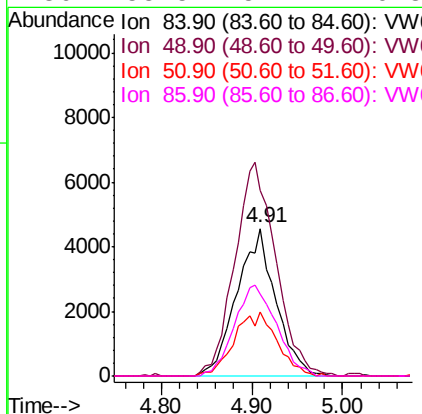
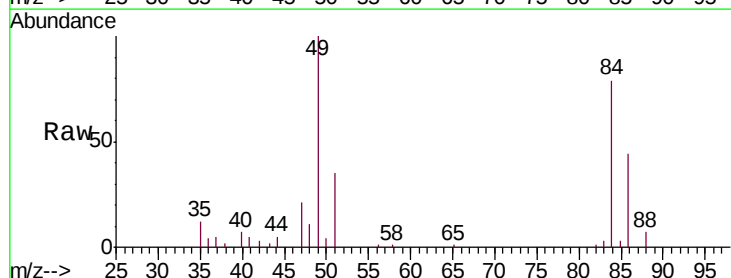
Instrument :
MSVOA_W
ClientSampleId :
T4-S-E-(2.5)

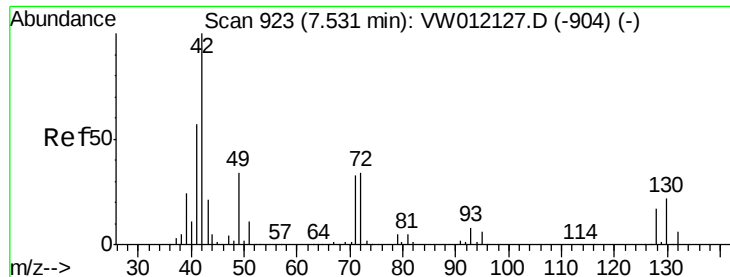
Tgt Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
58 25.2 22.4 33.6



#20
Methylene Chloride
Concen: 5.132 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012423.D
Acq: 01 Sep 2019 02:20

Tgt Ion: 84 Resp: 13481
Ion Ratio Lower Upper
84 100
49 126.1 117.8 176.8
51 43.9 35.6 53.4
86 55.5 51.2 76.8





#29

Tetrahydrofuran

Concen: 7.919 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW012423.D

Acq: 01 Sep 2019 02:20

Instrument :

MSVOA_W

ClientSampleId :

T4-S-E-(2.5)

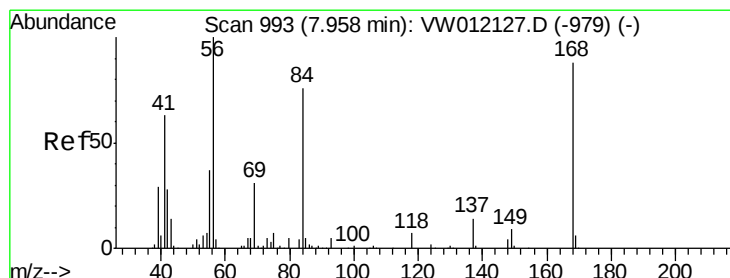
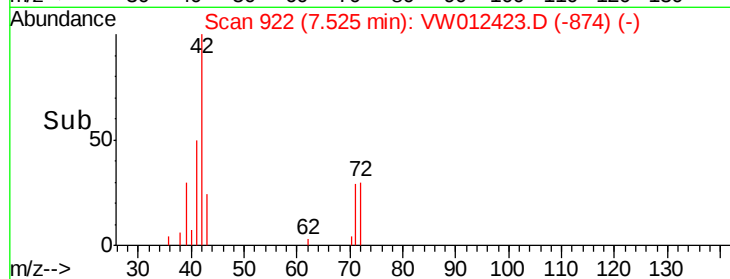
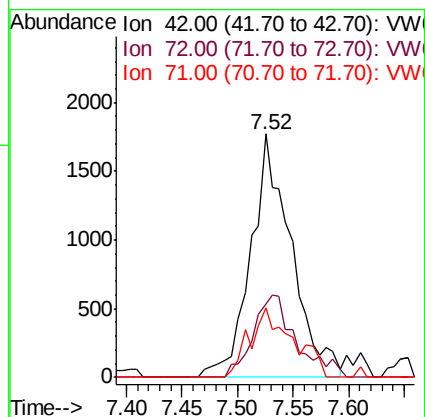
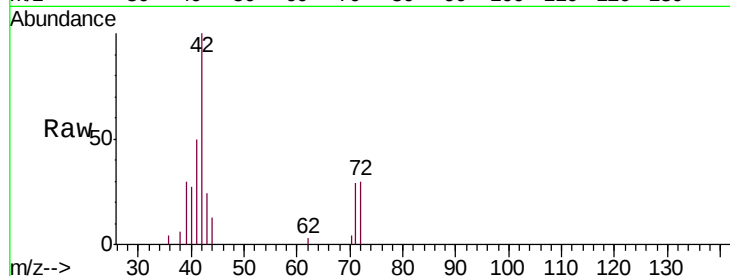
Tgt Ion: 42 Resp: 4486

Ion Ratio Lower Upper

42 100

72 36.0 27.3 40.9

71 30.2 25.5 38.3



#31

Cyclohexane

Concen: 1.241 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012423.D

Acq: 01 Sep 2019 02:20

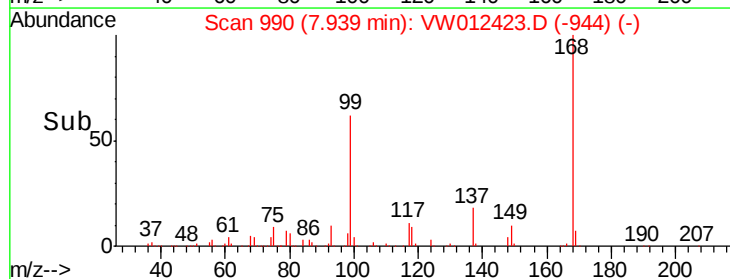
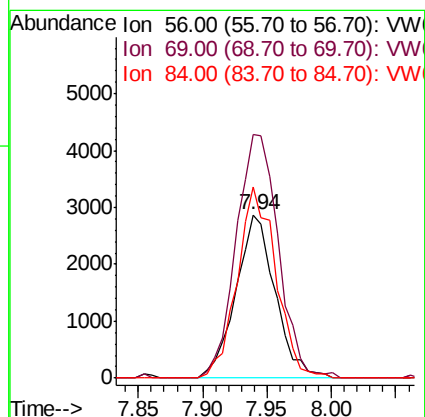
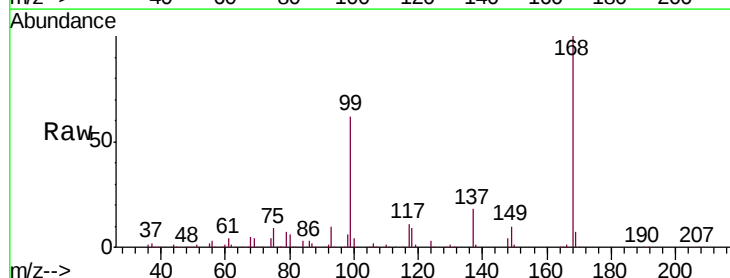
Tgt Ion: 56 Resp: 6074

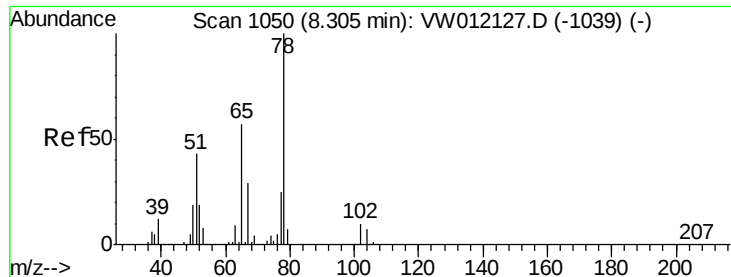
Ion Ratio Lower Upper

56 100

69 149.1 24.9 37.3#

84 116.9 60.6 90.8#

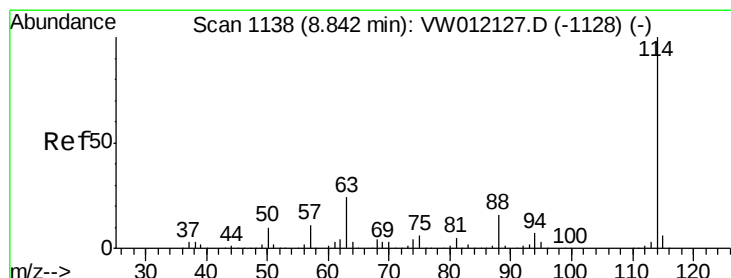
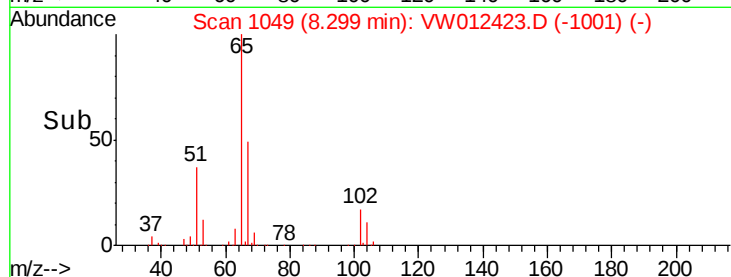
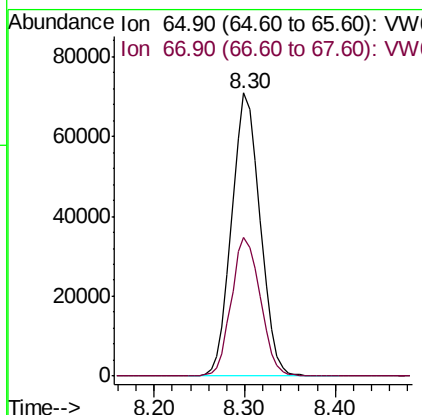
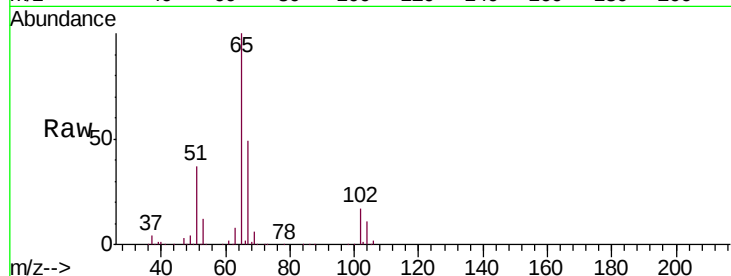




#33
 1,2-Dichloroethane-d4
 Concen: 56.942 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012423.D
 Acq: 01 Sep 2019 02:20

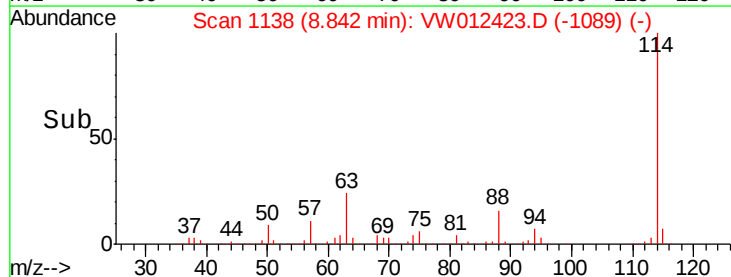
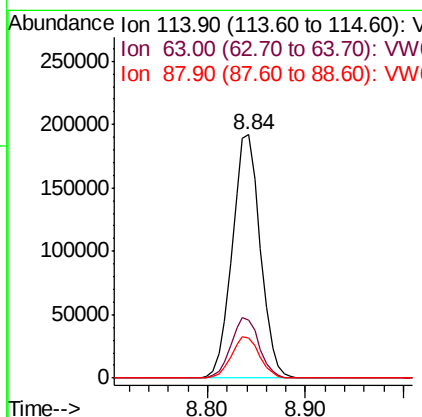
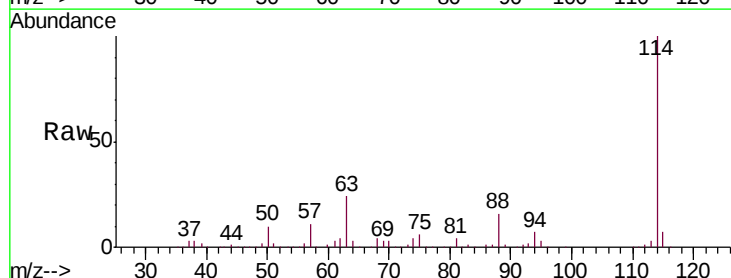
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-E-(2.5)

Tgt Ion: 65 Resp: 154773
 Ion Ratio Lower Upper
 65 100
 67 49.8 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: VW012423.D
 Acq: 01 Sep 2019 02:20

Tgt Ion: 114 Resp: 381491
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 48.6
 88 16.5 0.0 32.2

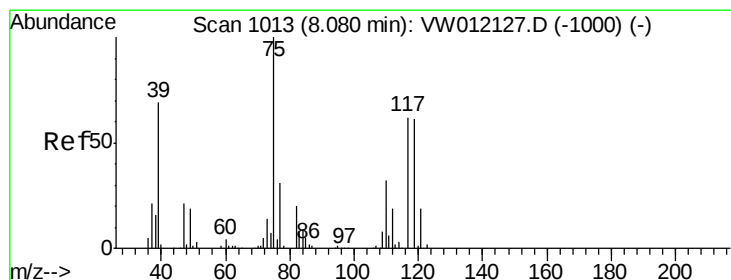
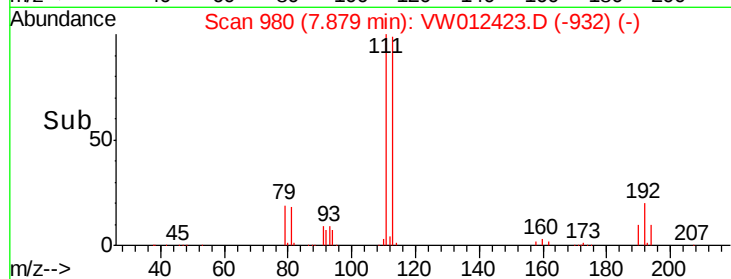
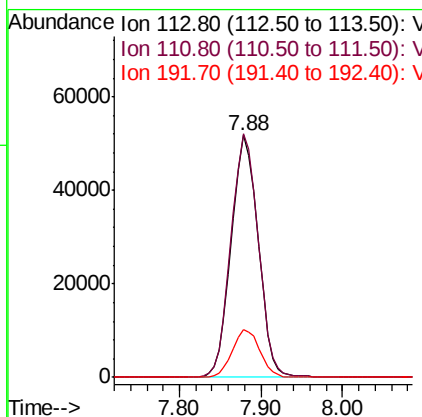
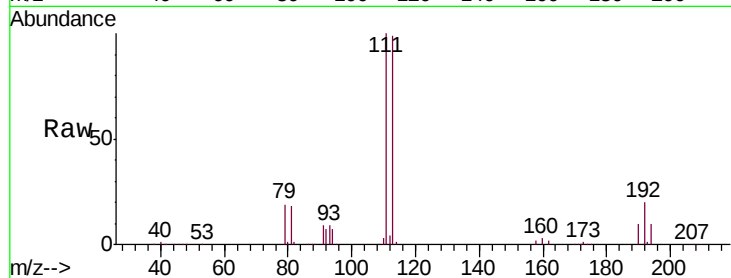




#35
 Dibromofluoromethane
 Concen: 52.111 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012423.D
 Acq: 01 Sep 2019 02:20

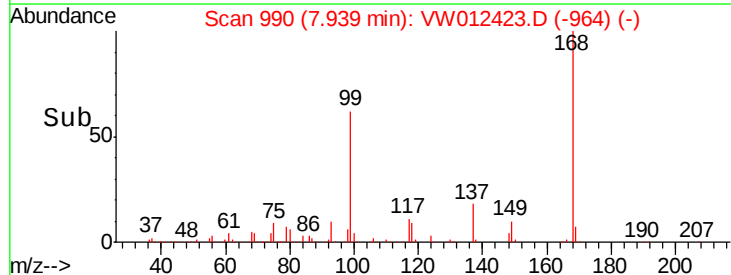
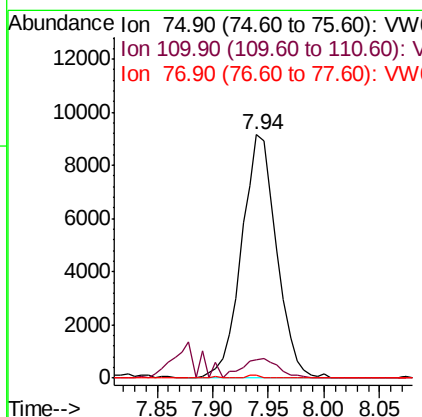
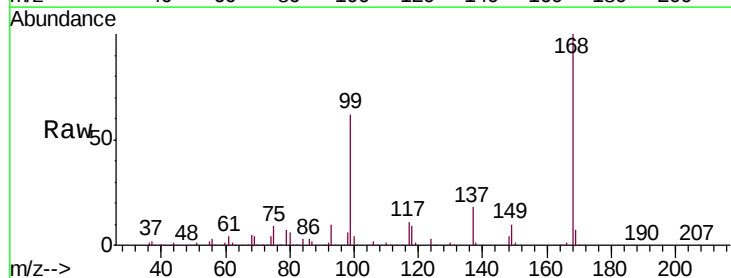
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-E-(2.5)

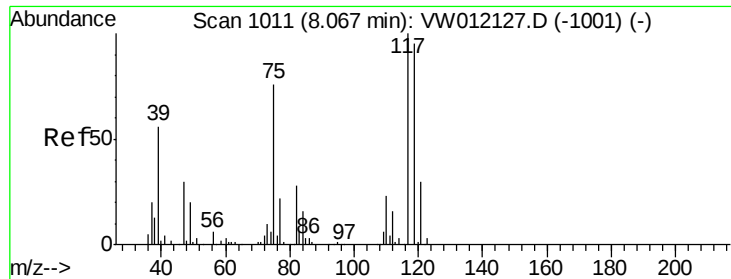
Tgt Ion:113 Resp: 118663
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.7 124.1
 192 20.1 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.067 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012423.D
 Acq: 01 Sep 2019 02:20

Tgt Ion: 75 Resp: 19975
 Ion Ratio Lower Upper
 75 100
 110 8.5 15.6 46.8#
 77 0.5 24.6 36.8#

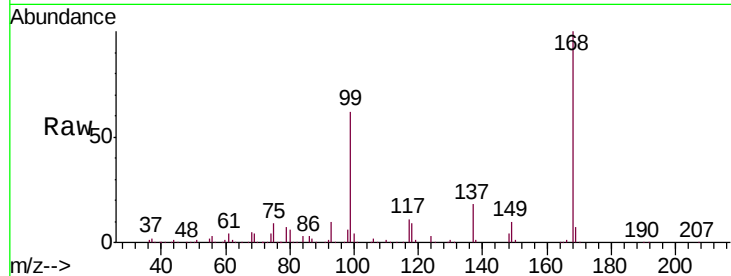




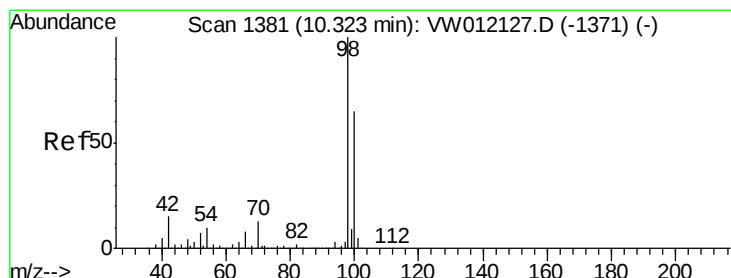
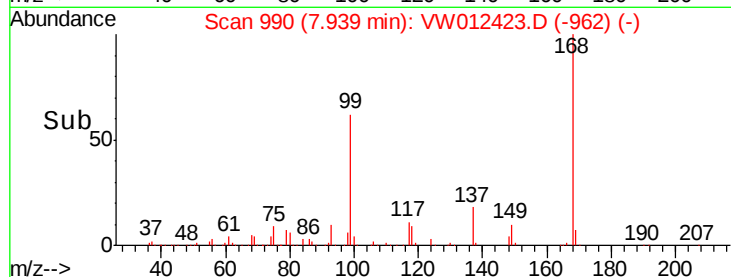
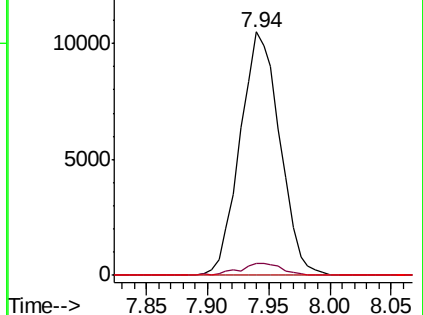
#38
Carbon Tetrachloride
Concen: 6.947 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW012423.D
Acq: 01 Sep 2019 02:20

Instrument :
MSVOA_W
ClientSampleId :
T4-S-E-(2.5)

Tgt Ion:117 Resp: 23703
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 23.8 35.8#

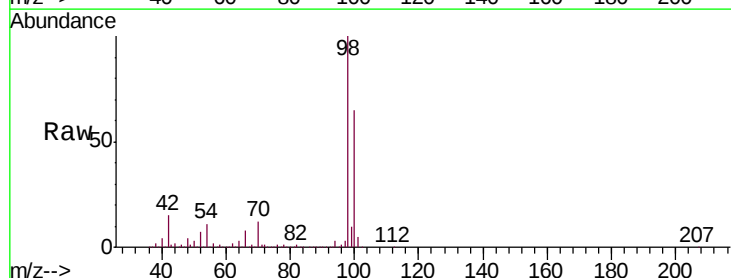


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

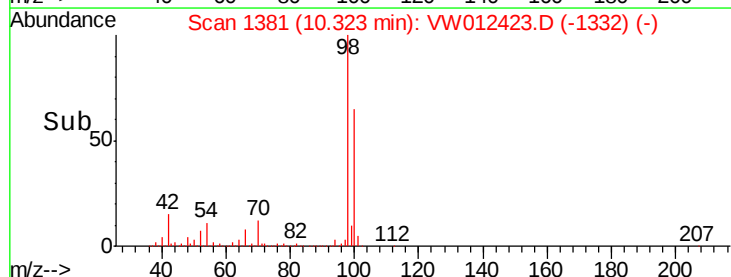
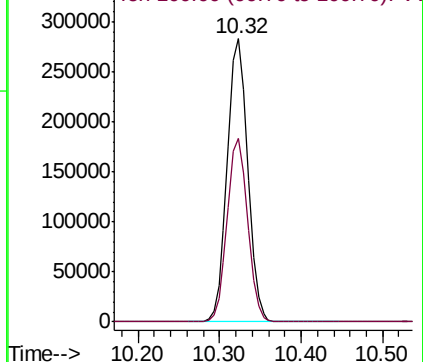


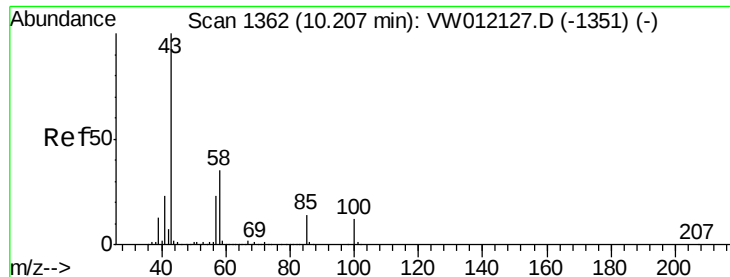
#50
Toluene-d8
Concen: 53.014 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012423.D
Acq: 01 Sep 2019 02:20

Tgt Ion: 98 Resp: 489481
Ion Ratio Lower Upper
98 100
100 64.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

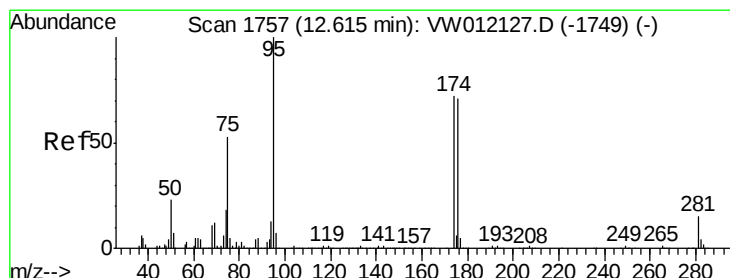
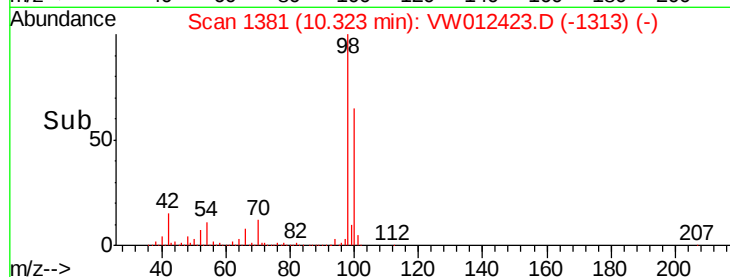
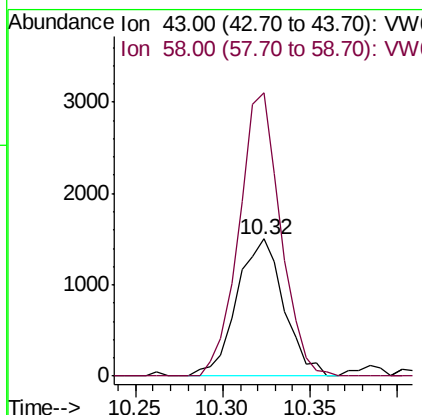
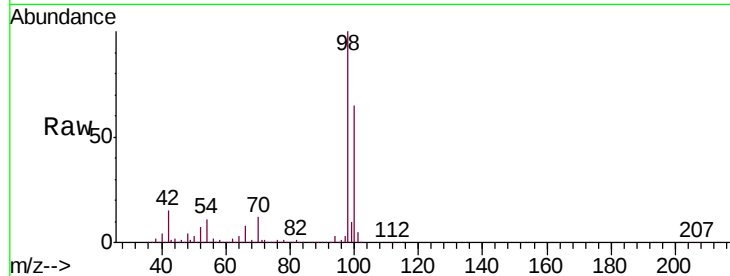




#51
 4-Methyl-2-Pentanone
 Concen: 1.386 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.12 min
 Lab File: VW012423.D
 Acq: 01 Sep 2019 02:20

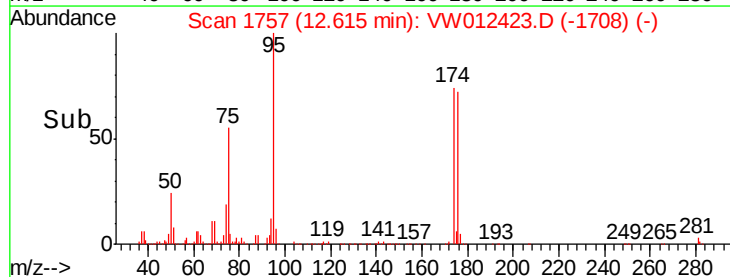
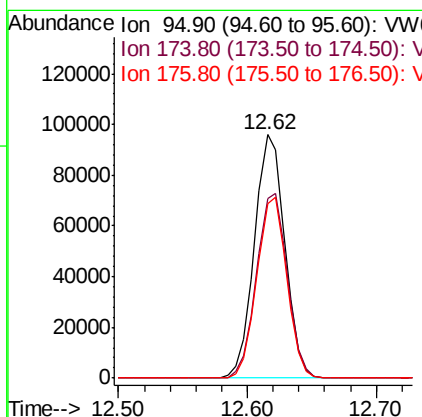
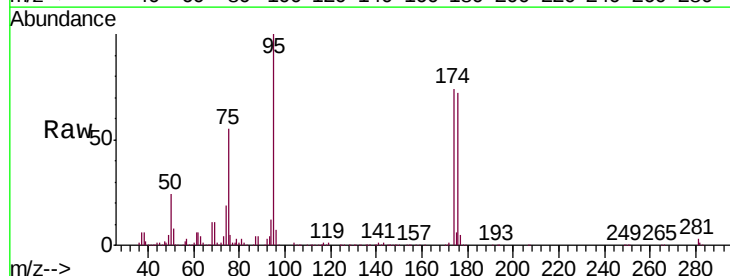
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-E-(2.5)

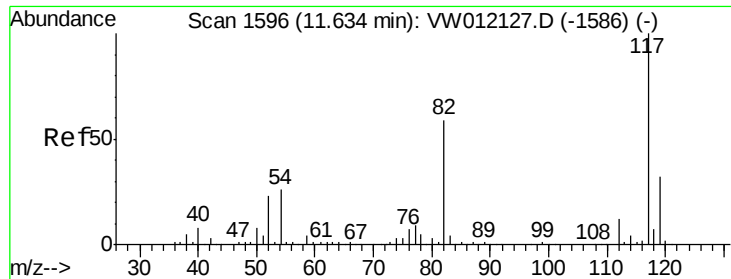
Tgt Ion: 43 Resp: 2820
 Ion Ratio Lower Upper
 43 100
 58 181.1 28.2 42.2#



#62
 4-Bromofluorobenzene
 Concen: 47.795 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012423.D
 Acq: 01 Sep 2019 02:20

Tgt Ion: 95 Resp: 155556
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 150.8
 176 73.8 0.0 148.6

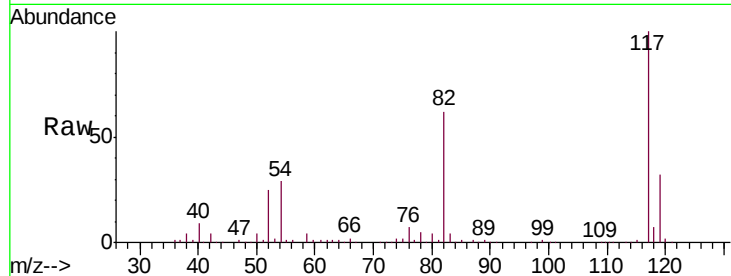




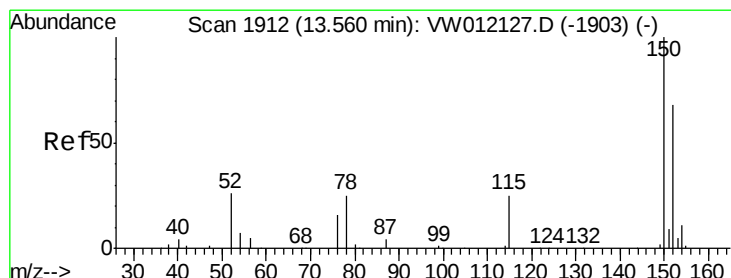
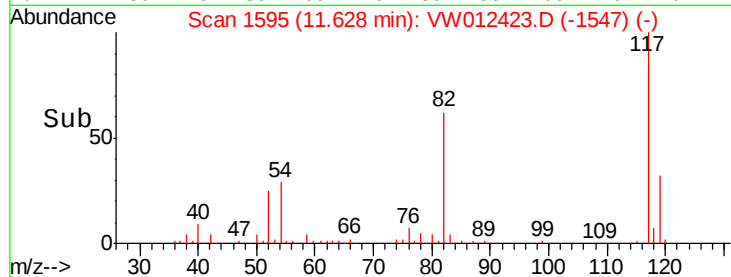
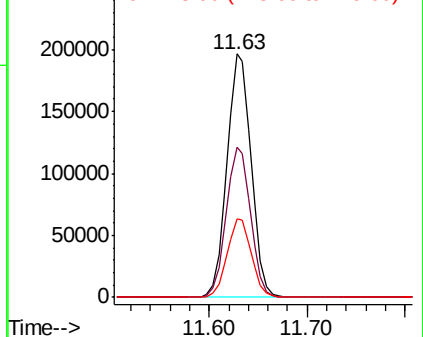
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012423.D
Acq: 01 Sep 2019 02:20

Instrument :
MSVOA_W
ClientSampleId :
T4-S-E-(2.5)

Tgt Ion:117 Resp: 335191
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.2
119 32.0 25.4 38.2

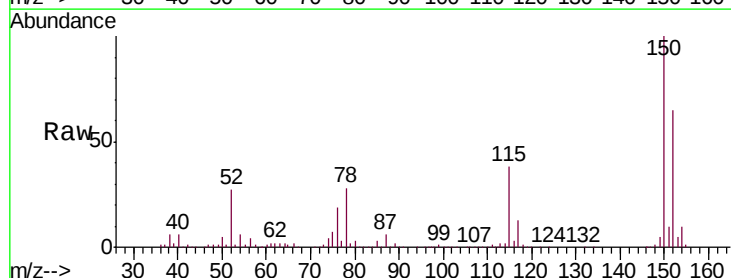


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

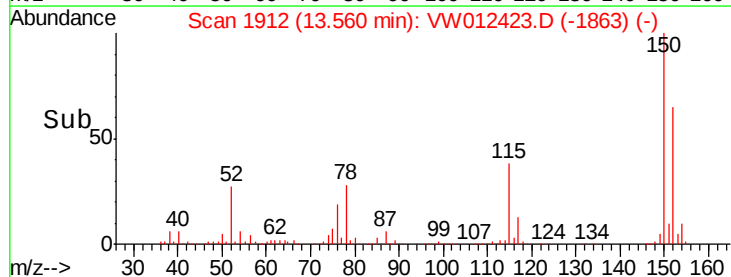
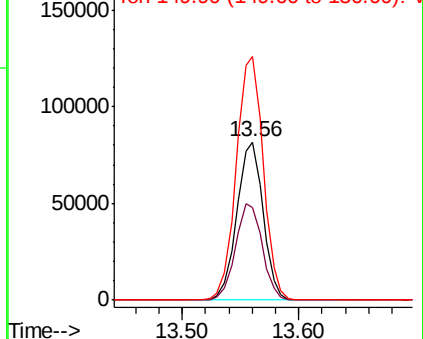


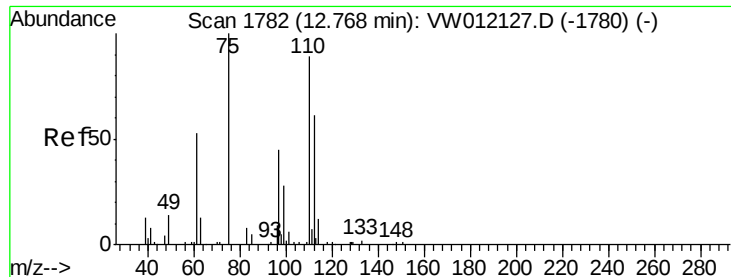
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012423.D
Acq: 01 Sep 2019 02:20

Tgt Ion:152 Resp: 128568
Ion Ratio Lower Upper
152 100
115 61.9 30.1 90.3
150 158.4 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: 67.785 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012423.D

Acq: 01 Sep 2019 02:20

Instrument :

MSVOA_W

ClientSampleId :

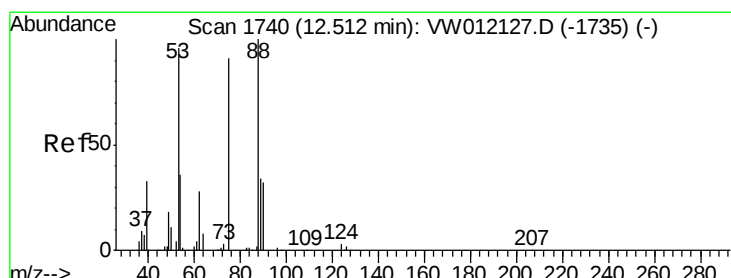
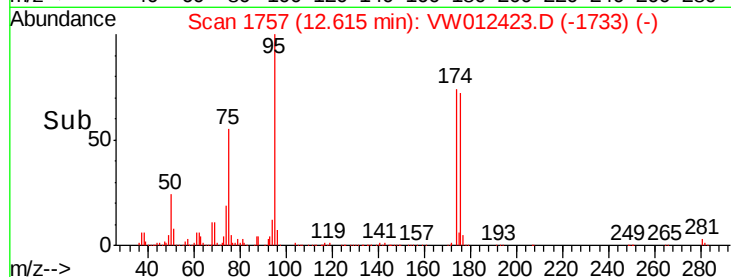
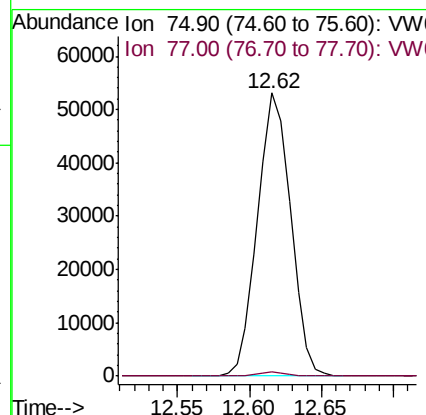
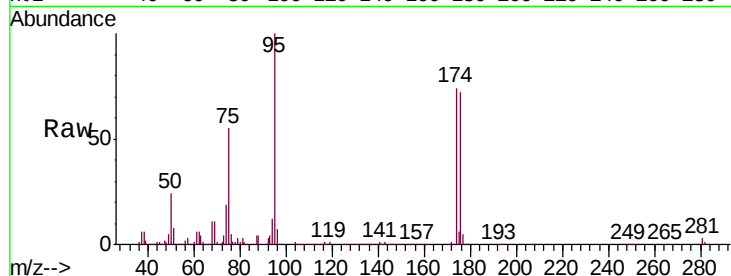
T4-S-E-(2.5)

Tgt Ion: 75 Resp: 84878

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 148.622 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012423.D

Acq: 01 Sep 2019 02:20

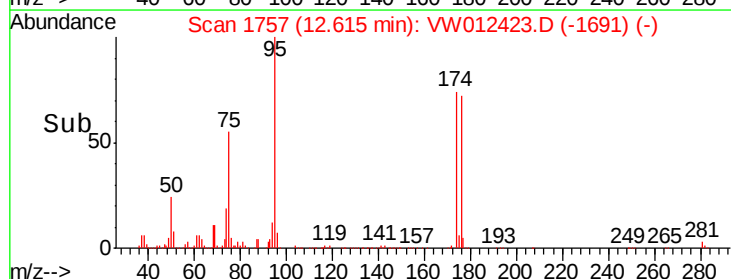
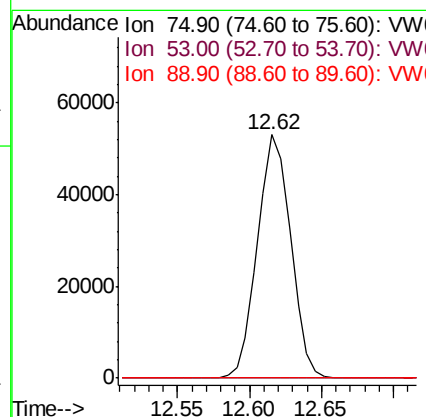
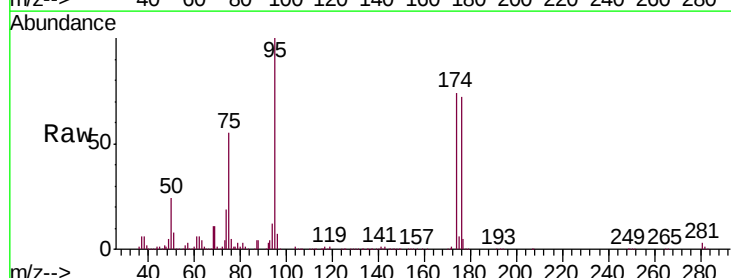
Tgt Ion: 75 Resp: 84878

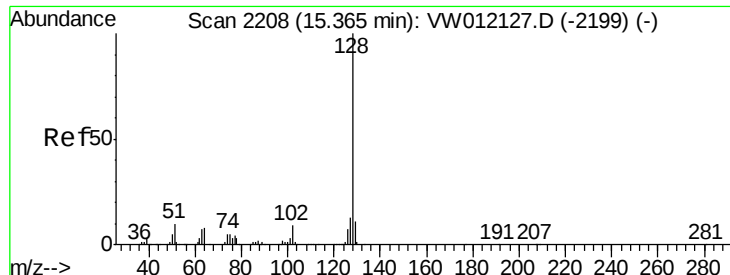
Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.392 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012423.D

Acq: 01 Sep 2019 02:20

Instrument :

MSVOA_W

ClientSampleId :

T4-S-E-(2.5)

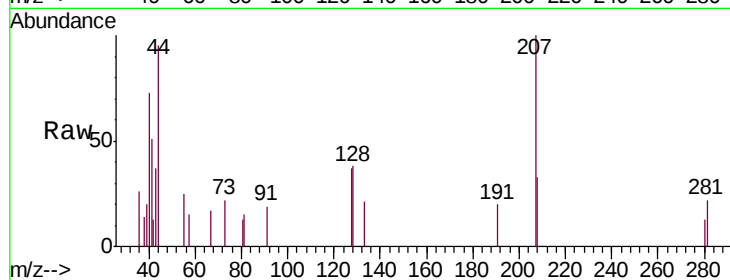
Tgt Ion:128 Resp: 378

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

