

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW083119\
 Data File : VW012433.D
 Acq On : 01 Sep 2019 07:05
 Operator : SY/VA
 Sample : K4516-12
 Misc : 4.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T2-S-B2-(2.5)

Quant Time: Sep 02 01:08:40 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	197131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	321597	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106262	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	131602	56.16	ug/l	0.00
Spiked Amount			Recovery	=	112.32%	
35) Dibromofluoromethane	7.88	113	100338	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
50) Toluene-d8	10.32	98	396659	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.62	95	122270	44.56	ug/l	0.00
Spiked Amount			Recovery	=	89.12%	

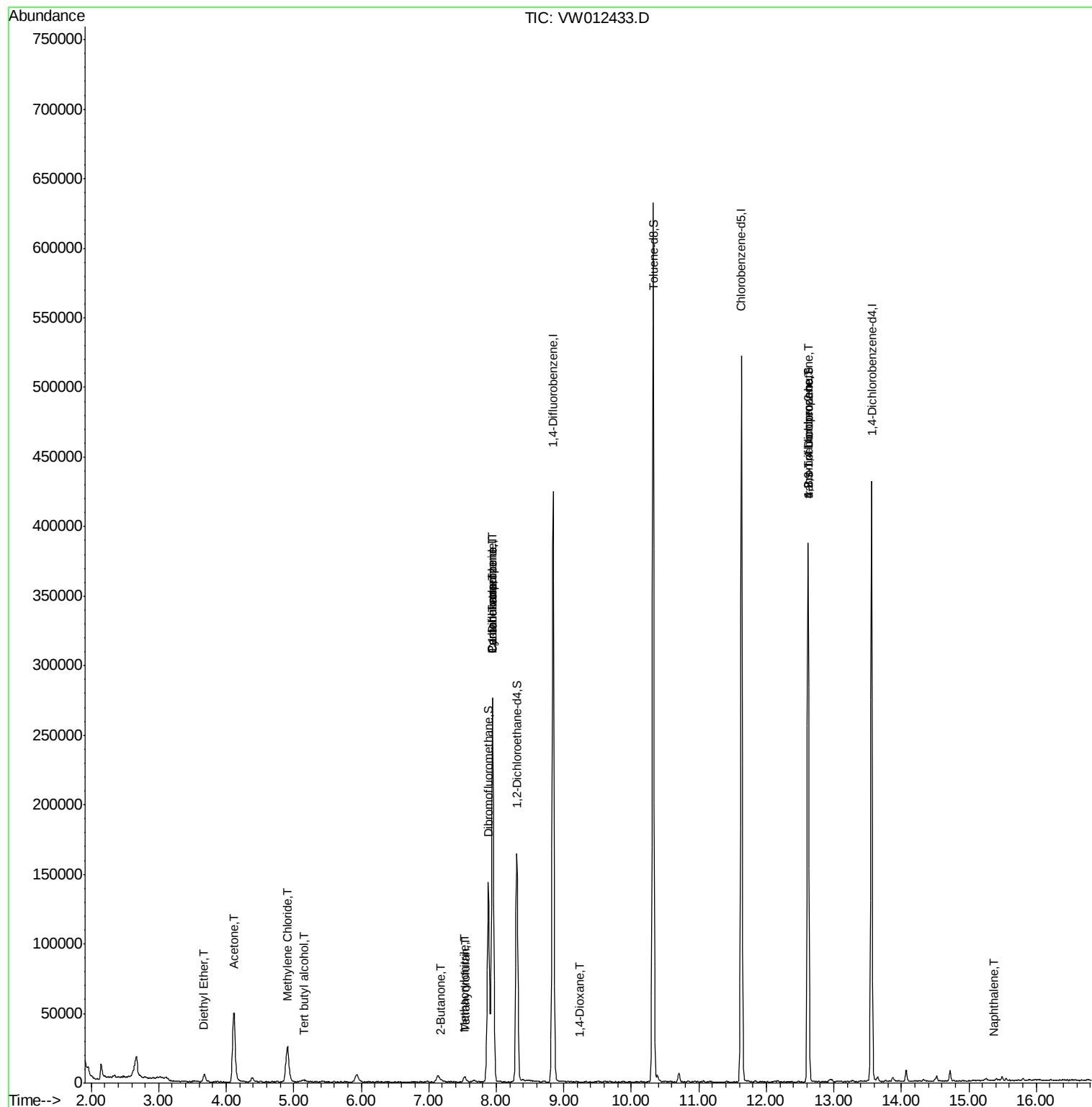
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2681	2.444	ug/l	96
11) Tert butyl alcohol	5.15	59	2627	18.628	ug/l #	82
16) Acetone	4.11	43	92111	153.769	ug/l	98
20) Methylene Chloride	4.90	84	16893	7.460	ug/l	98
25) 2-Butanone	7.18	43	1596	1.961	ug/l #	77
29) Tetrahydrofuran	7.53	42	3091	6.329	ug/l	94
31) Cyclohexane	7.95	56	5115	1.212	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17290	5.203	ug/l #	53
38) Carbon Tetrachloride	7.95	117	19511	6.783	ug/l #	17
41) Methacrylonitrile	7.52	41	2258	2.110	ug/l #	58
49) 1,4-Dioxane	9.24	88	23	1.383	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	66347	64.109	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66347	140.560	ug/l #	6
95) Naphthalene	15.36	128	84	4.340	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW083119\
Data File : VW012433.D
Acq On : 01 Sep 2019 07:05
Operator : SY/VA
Sample : K4516-12
Misc : 4.04G/5ML/MSVOA_W/SOIL
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T2-S-B2-(2.5)

Quant Time: Sep 02 01:08:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012433.D

Acq: 01 Sep 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

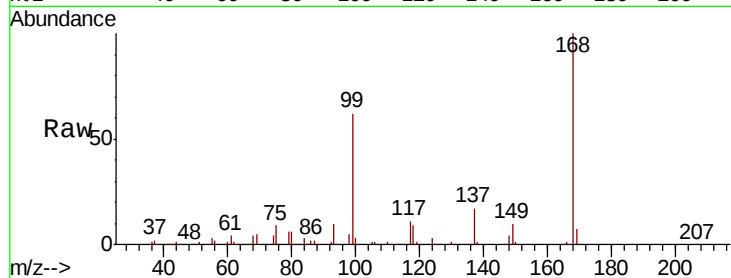
T2-S-B2-(2.5)

Tgt Ion:168 Resp: 197131

Ion Ratio Lower Upper

168 100

99 61.6 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

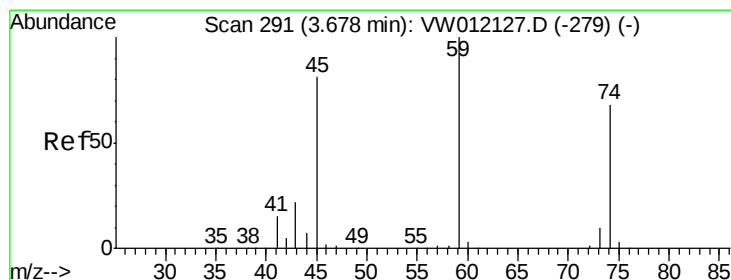
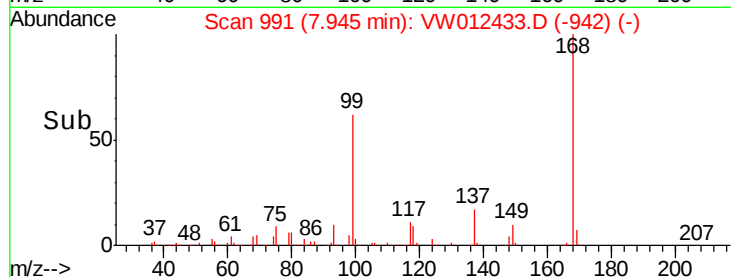
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 2.444 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012433.D

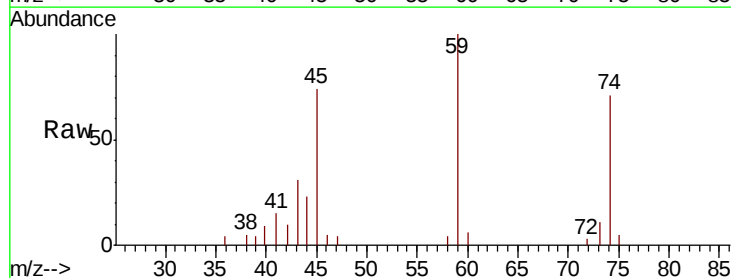
Acq: 01 Sep 2019 07:05

Tgt Ion: 74 Resp: 2681

Ion Ratio Lower Upper

74 100

45 122.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

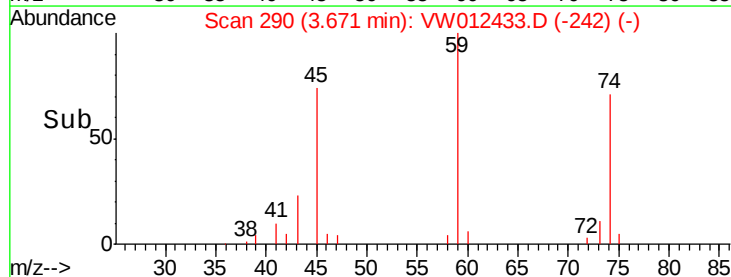
1500

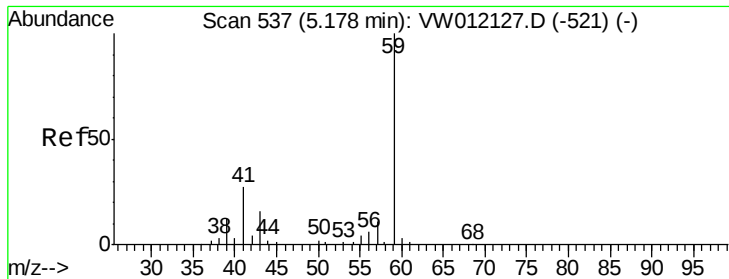
1000

500

0

Time--> 3.60 3.65 3.70 3.75

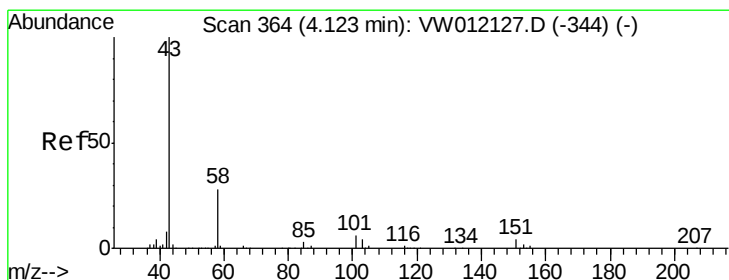
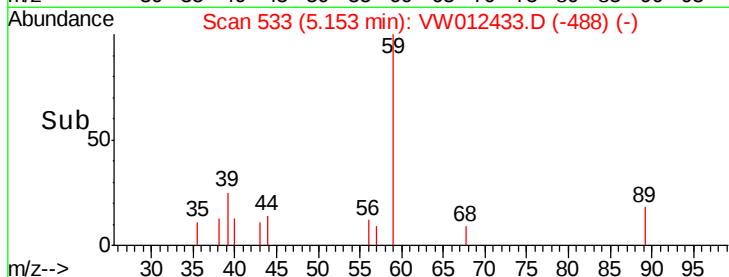
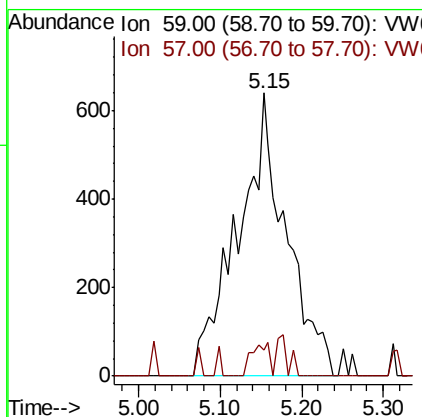
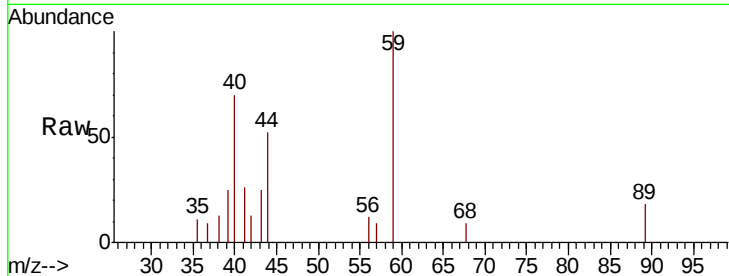




#11
Tert butyl alcohol
Concen: 18.628 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW012433.D
Acq: 01 Sep 2019 07:05

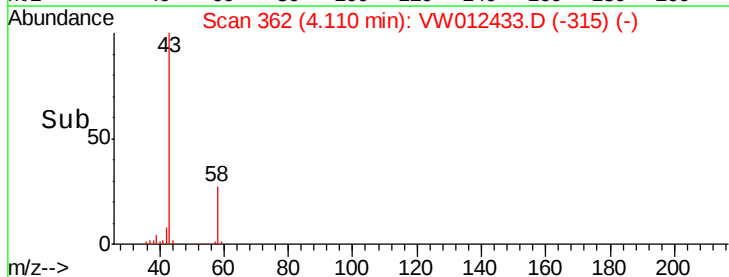
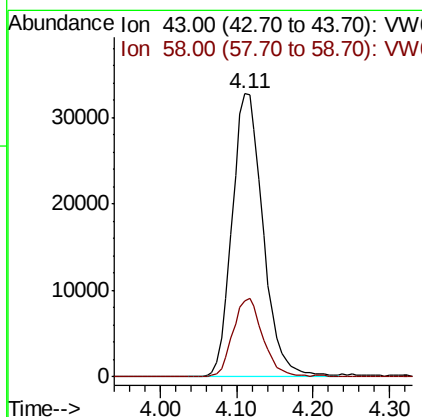
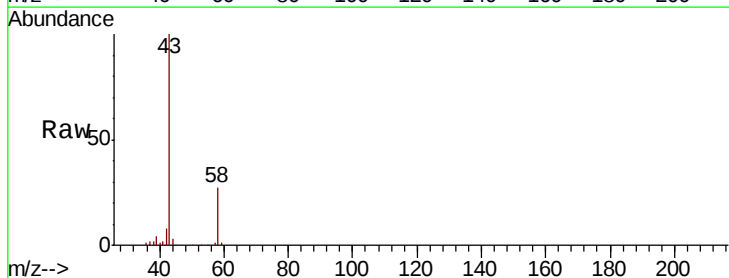
Instrument :
MSVOA_W
ClientSampleId :
T2-S-B2-(2.5)

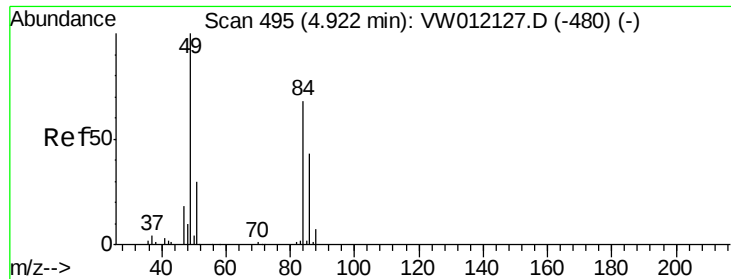
Tgt Ion: 59 Resp: 2627
Ion Ratio Lower Upper
59 100
57 4.3 9.0 13.4#



#16
Acetone
Concen: 153.769 ug/l
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW012433.D
Acq: 01 Sep 2019 07:05

Tgt Ion: 43 Resp: 92111
Ion Ratio Lower Upper
43 100
58 26.8 22.4 33.6

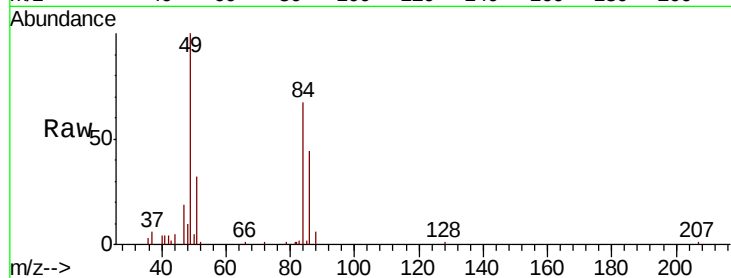




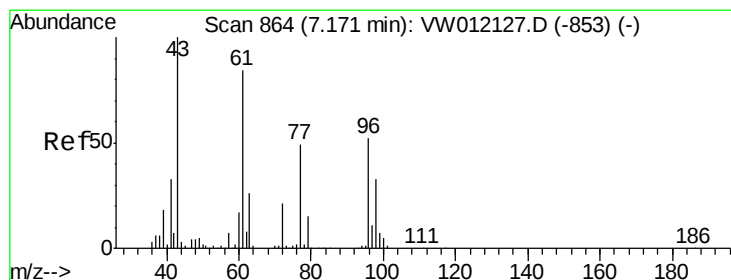
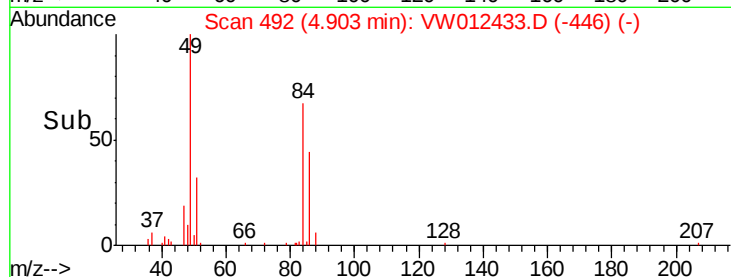
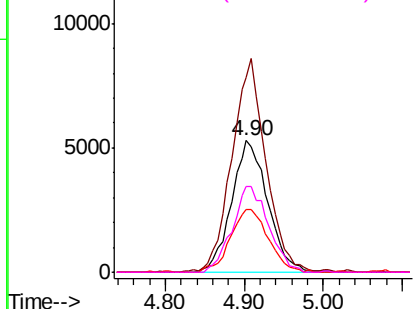
#20
Methylene Chloride
Concen: 7.460 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012433.D
Acq: 01 Sep 2019 07:05

Instrument :
MSVOA_W
ClientSampleId :
T2-S-B2-(2.5)

Tgt Ion: 84 Resp: 16893
Ion Ratio Lower Upper
84 100
49 148.4 117.8 176.8
51 48.1 35.6 53.4
86 65.1 51.2 76.8

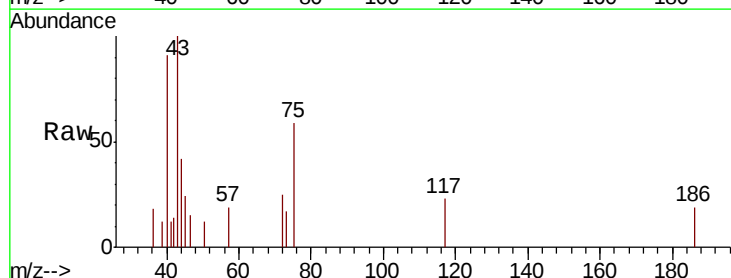


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

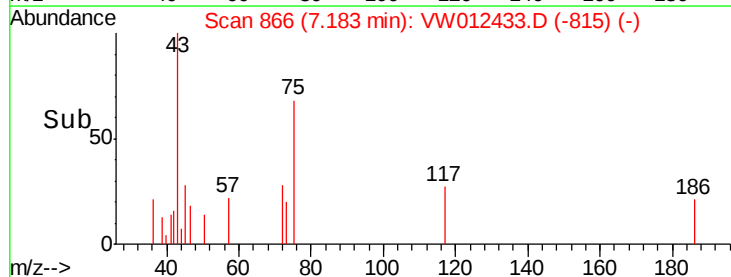
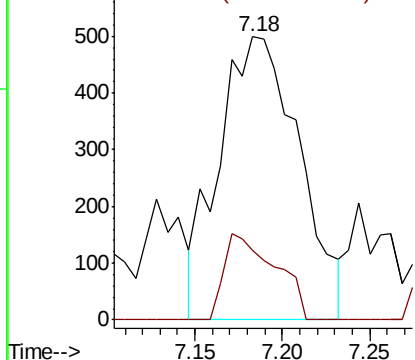


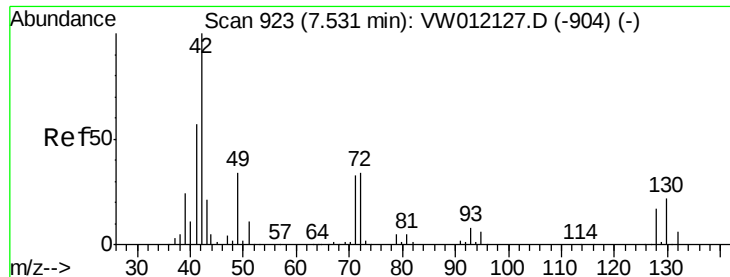
#25
2-Butanone
Concen: 1.961 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW012433.D
Acq: 01 Sep 2019 07:05

Tgt Ion: 43 Resp: 1596
Ion Ratio Lower Upper
43 100
72 31.5 16.6 24.8#



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





#29

Tetrahydrofuran

Concen: 6.329 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012433.D

Acq: 01 Sep 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

T2-S-B2-(2.5)

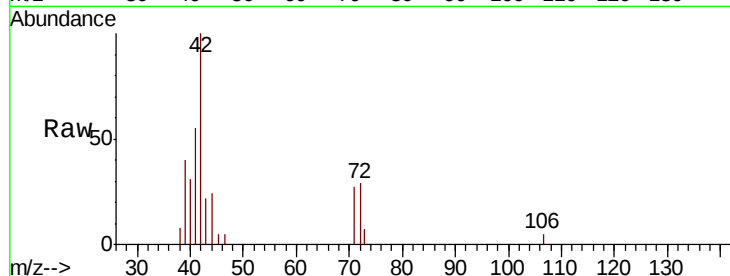
Tgt Ion: 42 Resp: 3091

Ion Ratio Lower Upper

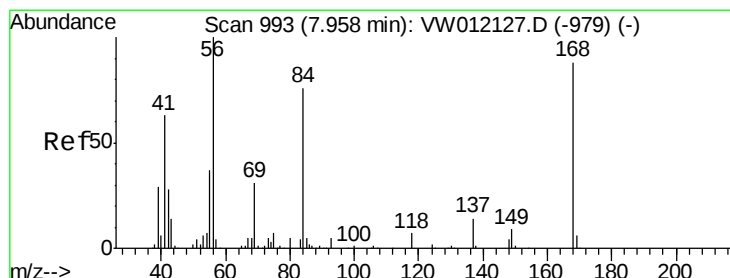
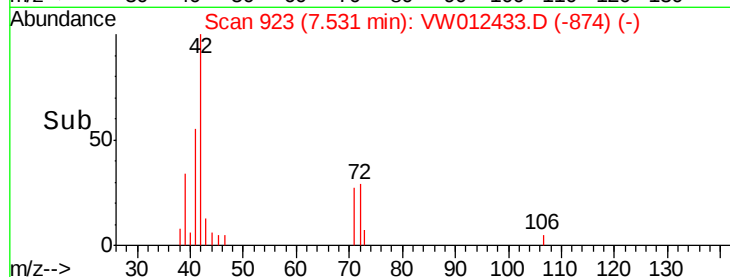
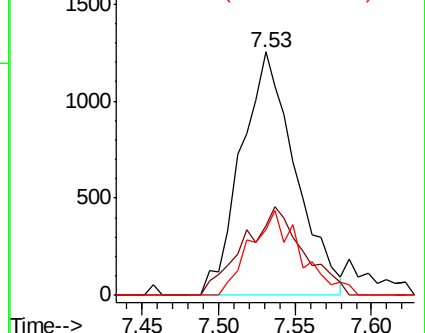
42 100

72 40.2 27.3 40.9

71 32.6 25.5 38.3



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012433.D

Acq: 01 Sep 2019 07:05

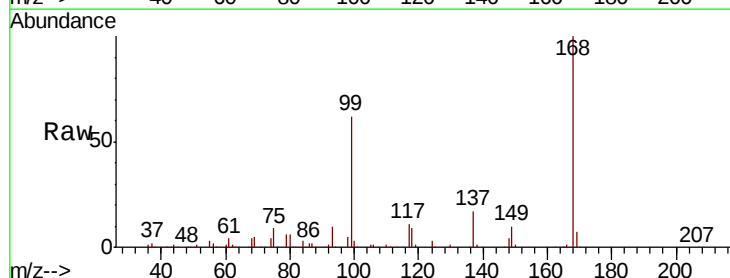
Tgt Ion: 56 Resp: 5115

Ion Ratio Lower Upper

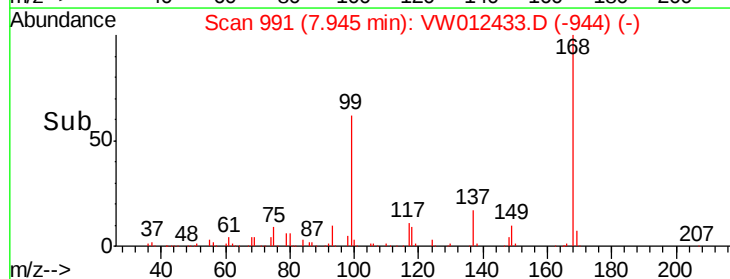
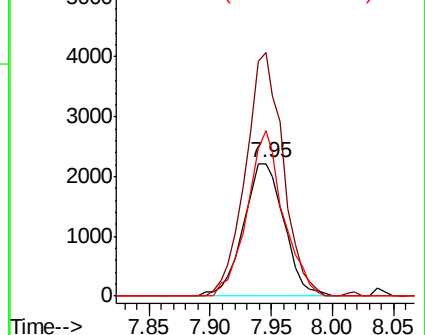
56 100

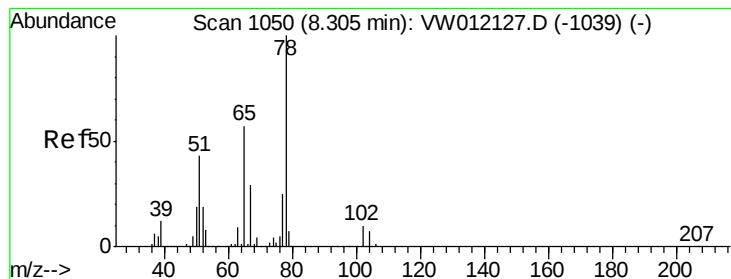
69 183.4 24.9 37.3#

84 124.9 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: 56.158 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012433.D

Acq: 01 Sep 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

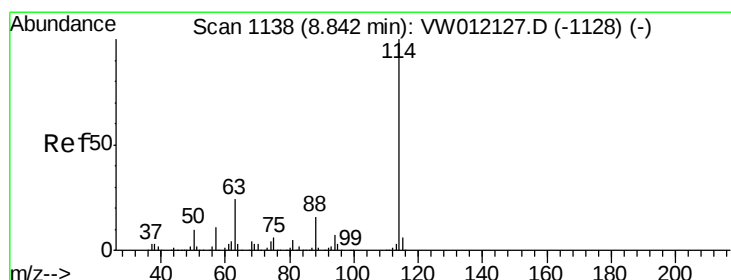
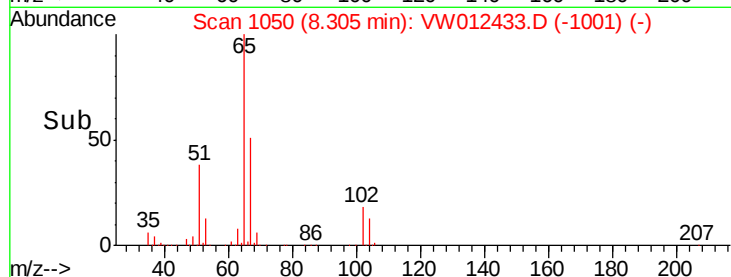
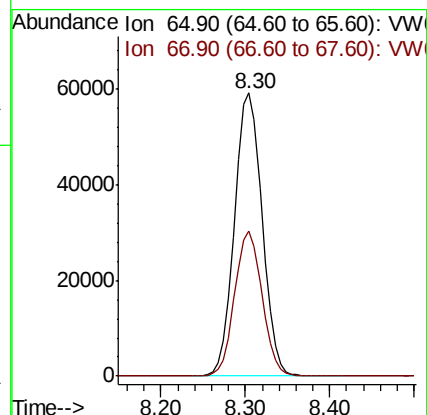
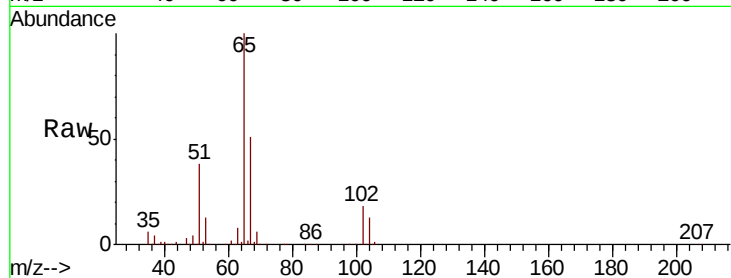
T2-S-B2-(2.5)

Tgt Ion: 65 Resp: 131602

Ion Ratio Lower Upper

65 100

67 50.7 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: VW012433.D

Acq: 01 Sep 2019 07:05

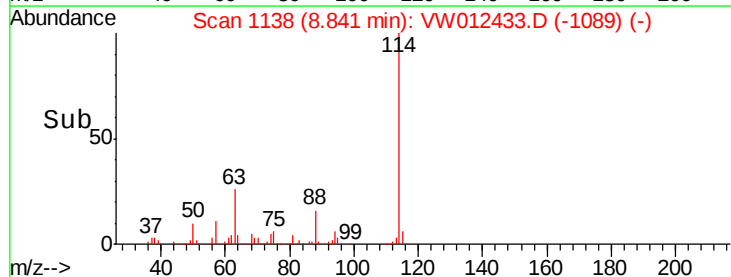
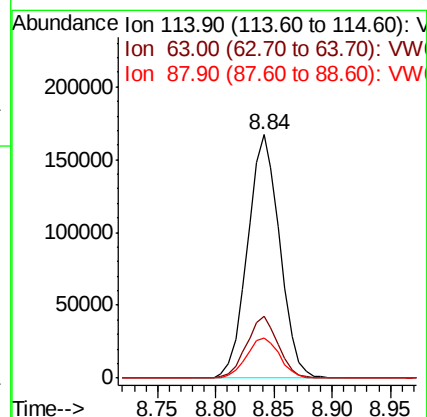
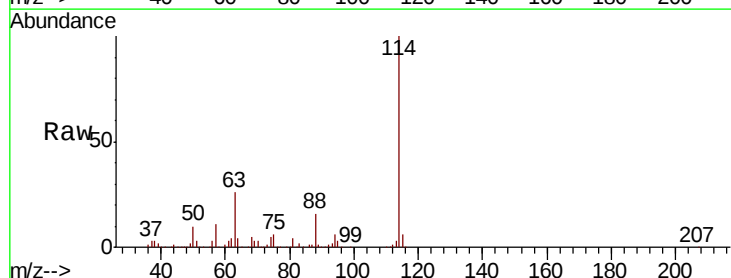
Tgt Ion: 114 Resp: 321597

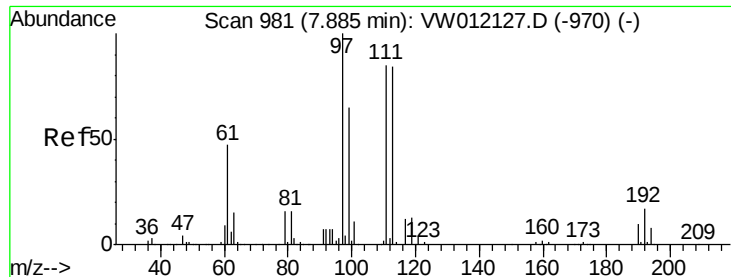
Ion Ratio Lower Upper

114 100

63 25.6 0.0 48.6

88 16.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.270 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012433.D

Acq: 01 Sep 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

T2-S-B2-(2.5)

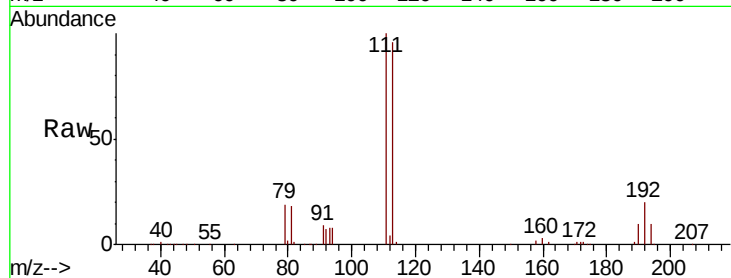
Tgt Ion:113 Resp: 100338

Ion Ratio Lower Upper

113 100

111 103.9 82.7 124.1

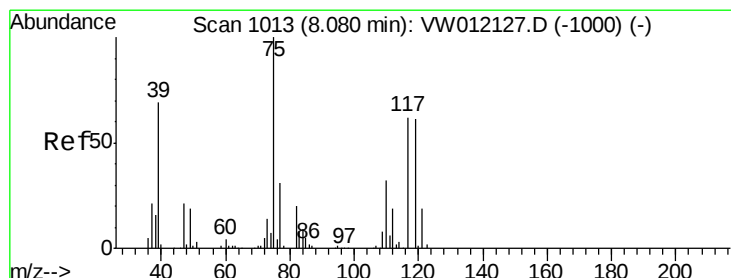
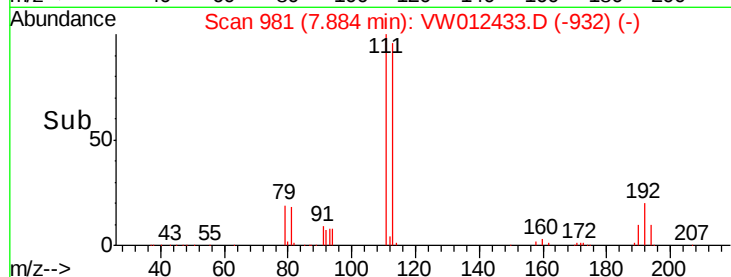
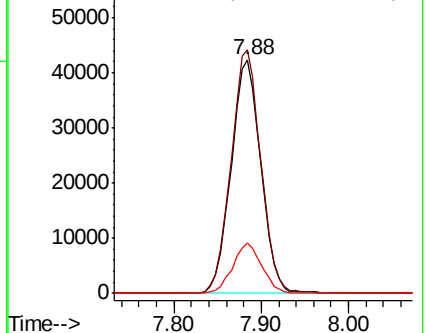
192 21.0 16.2 24.2



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: 5.203 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012433.D

Acq: 01 Sep 2019 07:05

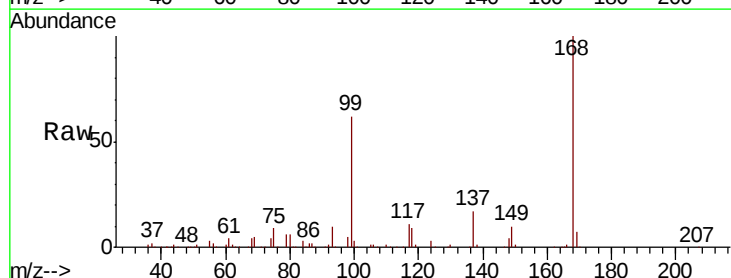
Tgt Ion: 75 Resp: 17290

Ion Ratio Lower Upper

75 100

110 10.2 15.6 46.8#

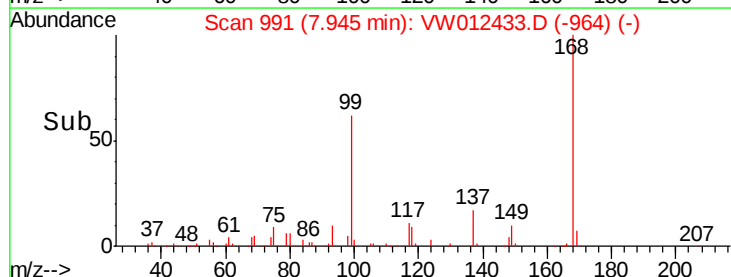
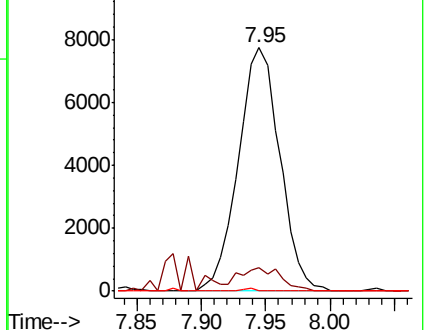
77 0.3 24.6 36.8#

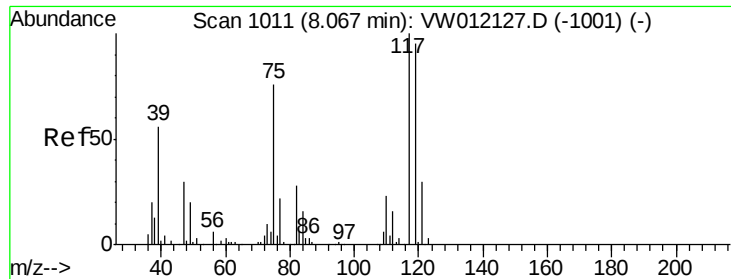


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.783 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012433.D

Acq: 01 Sep 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

T2-S-B2-(2.5)

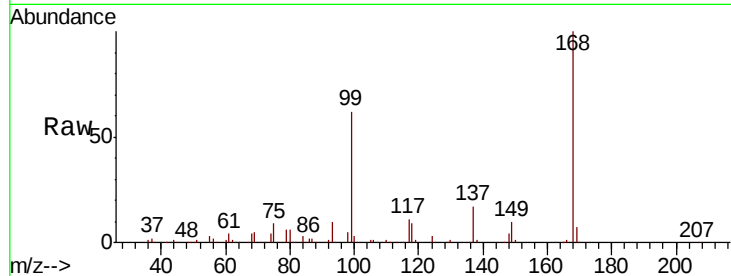
Tgt Ion:117 Resp: 19511

Ion Ratio Lower Upper

117 100

119 5.5 76.2 114.2#

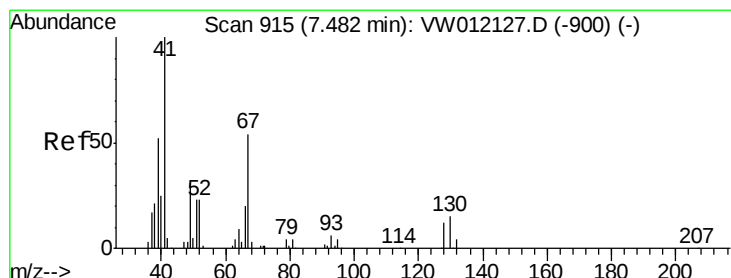
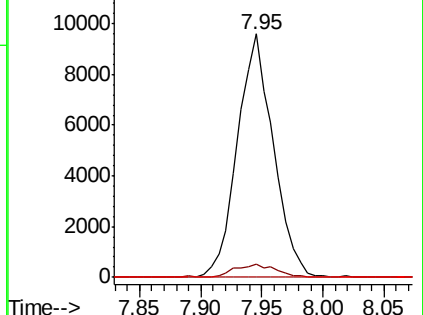
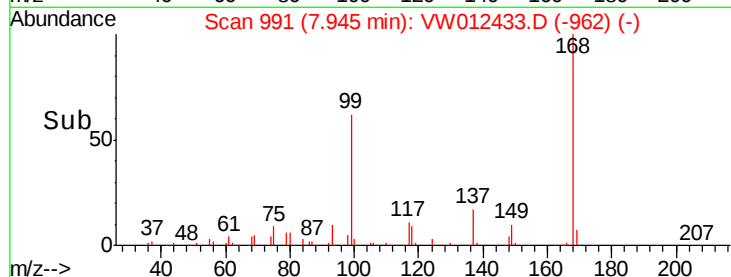
121 0.0 23.8 35.8#



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: 2.110 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.04 min

Lab File: VW012433.D

Acq: 01 Sep 2019 07:05

Tgt Ion: 41 Resp: 2258

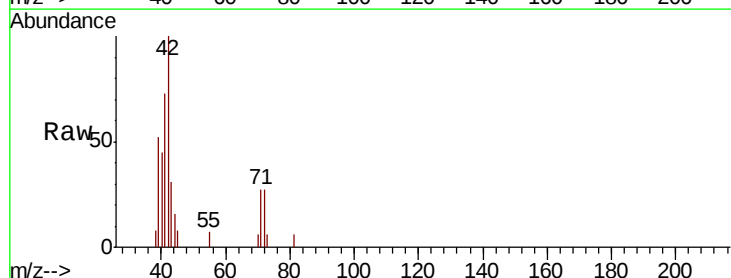
Ion Ratio Lower Upper

41 100

39 58.3 45.8 68.8

67 0.0 46.2 69.4#

52 1.0 21.0 31.6#

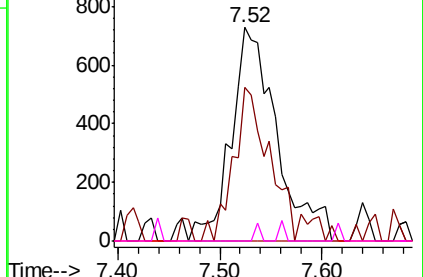
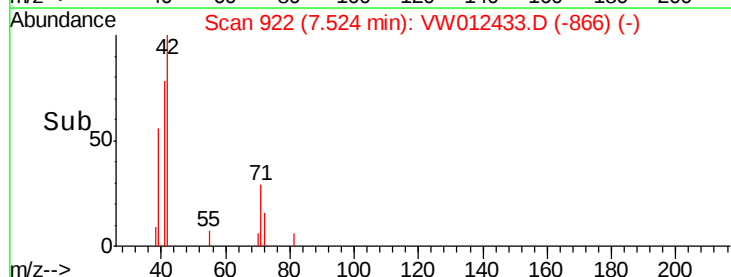


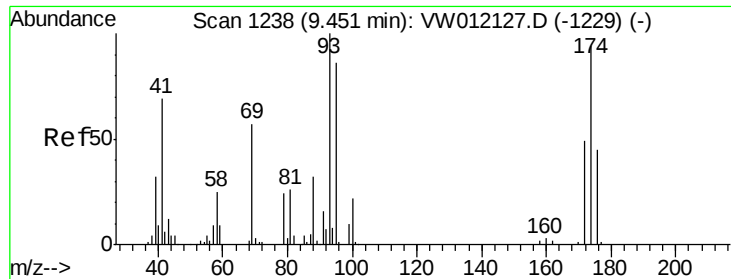
Abundance Ion 41.00 (40.70 to 41.70): VW

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

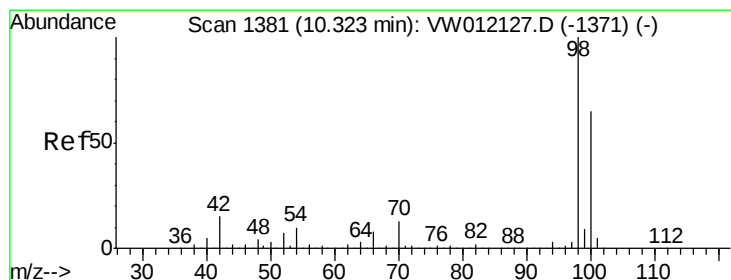
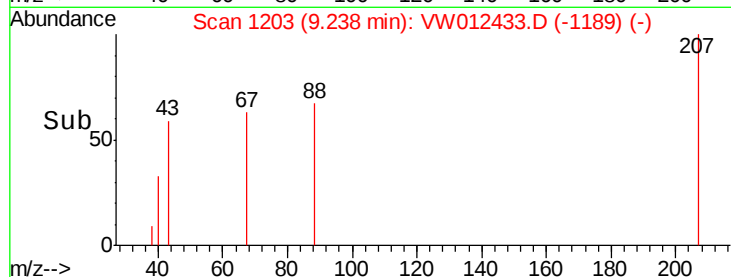
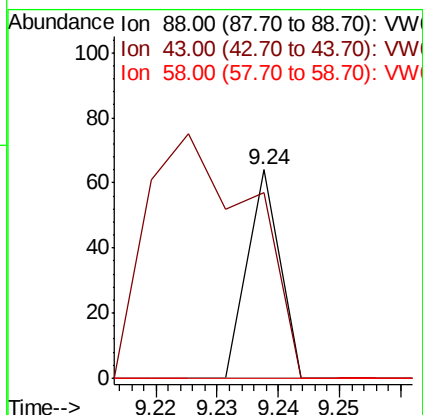
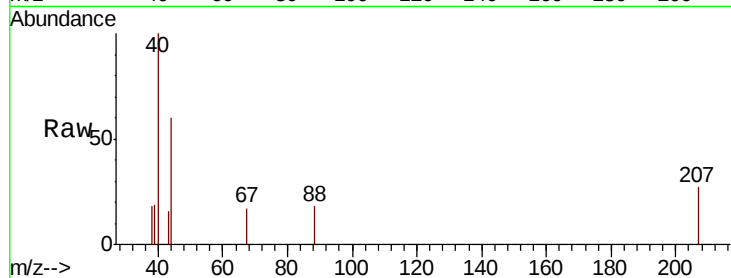




#49
 1,4-Dioxane
 Concen: 1.383 ug/l
 RT: 9.24 min Scan# 1203
 Delta R.T. -0.21 min
 Lab File: VW012433.D
 Acq: 01 Sep 2019 07:05

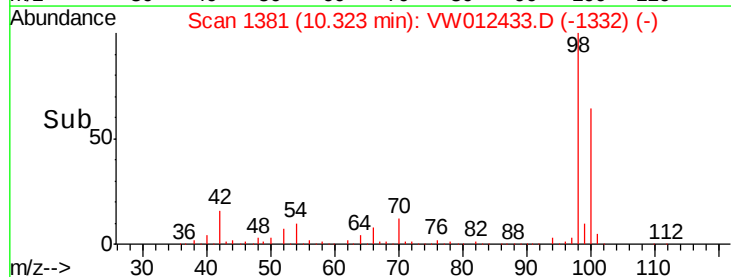
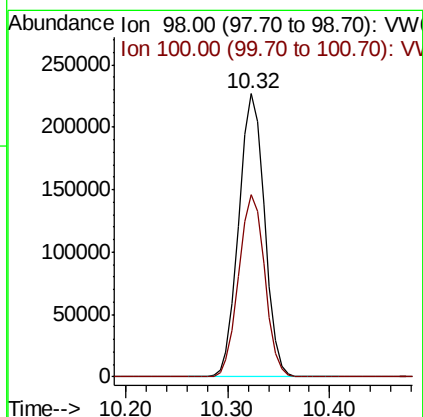
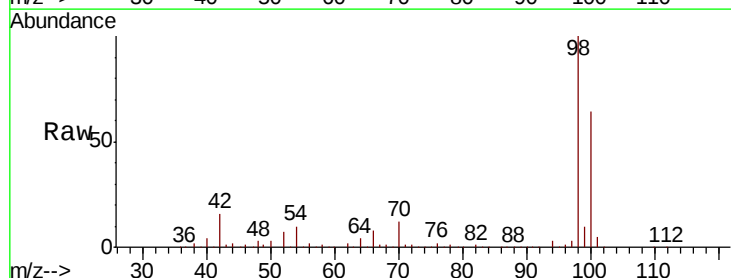
Instrument :
 MSVOA_W
 ClientSampleId :
 T2-S-B2-(2.5)

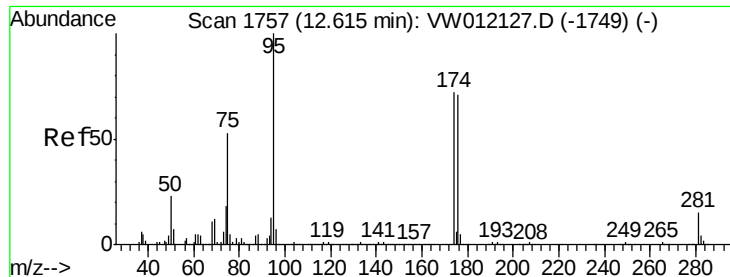
Tgt Ion: 88 Resp: 23
 Ion Ratio Lower Upper
 88 100
 43 391.3 32.9 49.3#
 58 0.0 71.0 106.4#



#50
 Toluene-d8
 Concen: 50.961 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012433.D
 Acq: 01 Sep 2019 07:05

Tgt Ion: 98 Resp: 396659
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 44.564 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012433.D

Acq: 01 Sep 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

T2-S-B2-(2.5)

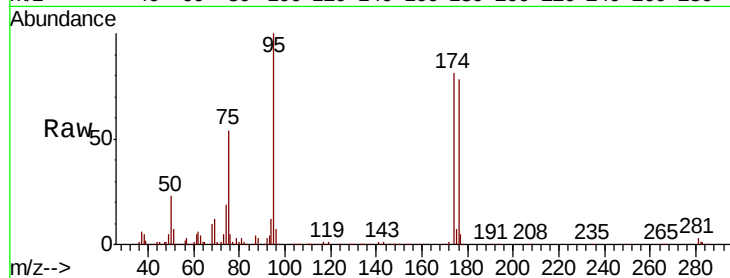
Tgt Ion: 95 Resp: 122270

Ion Ratio Lower Upper

95 100

174 77.3 0.0 150.8

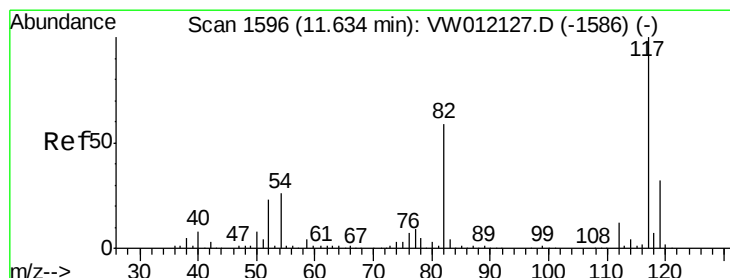
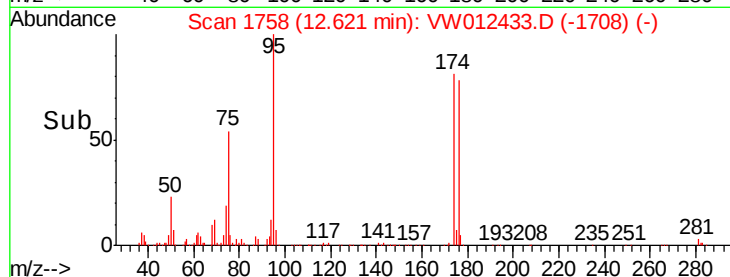
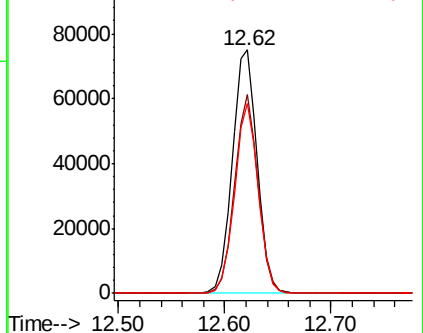
176 74.3 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012433.D

Acq: 01 Sep 2019 07:05

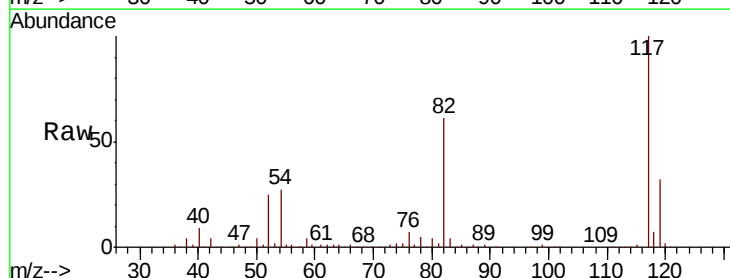
Tgt Ion: 117 Resp: 268695

Ion Ratio Lower Upper

117 100

82 61.4 47.4 71.2

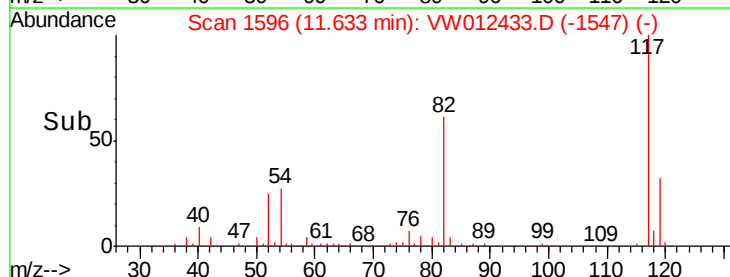
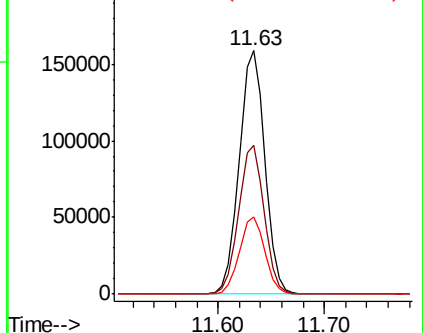
119 31.7 25.4 38.2

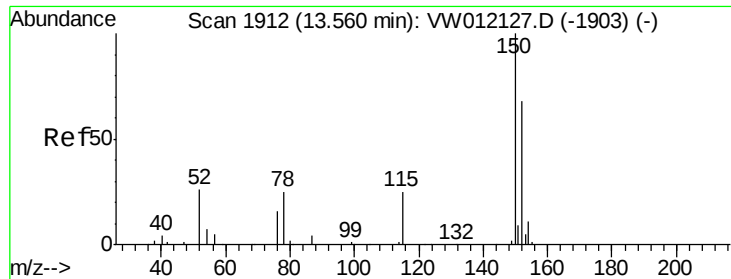


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



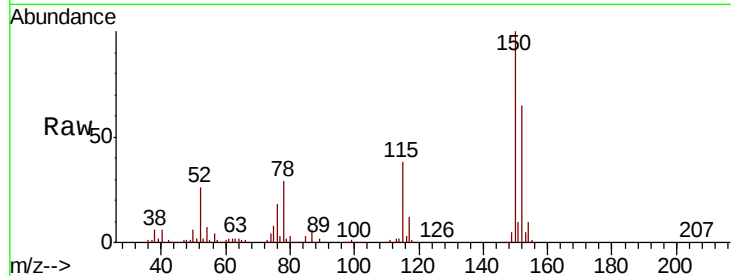


#72

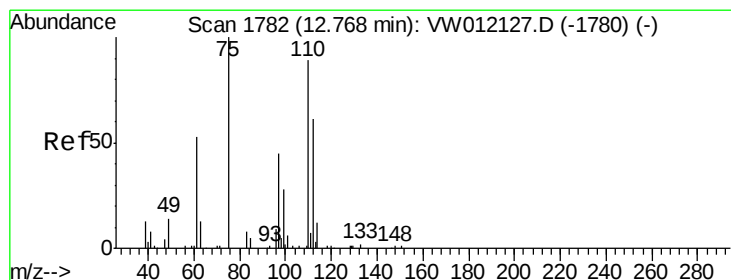
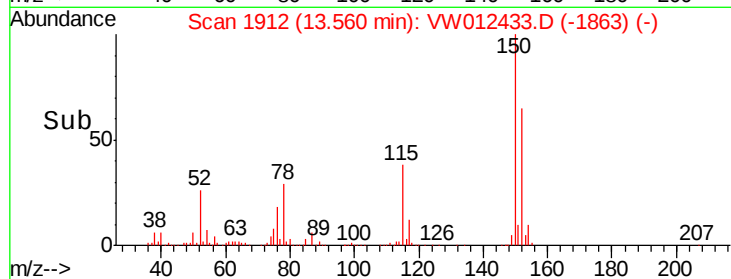
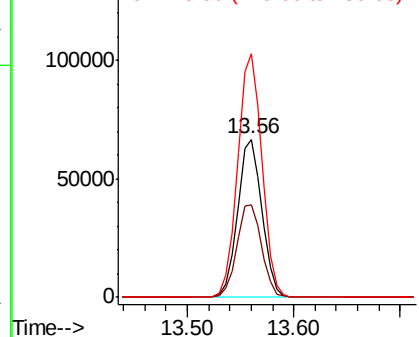
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012433.D
Acq: 01 Sep 2019 07:05

Instrument :
MSVOA_W
ClientSampled :
T2-S-B2-(2.5)

Tgt Ion:152 Resp: 106262
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.3
150 154.9 0.0 345.8



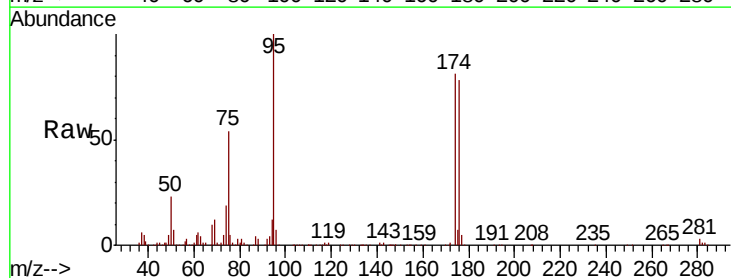
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



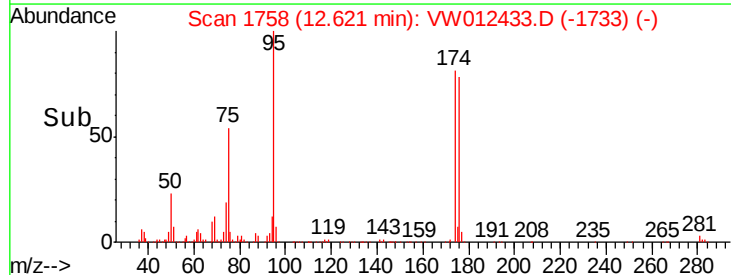
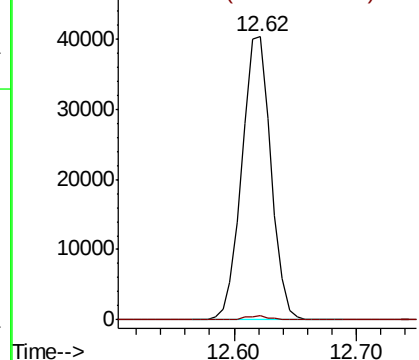
#76

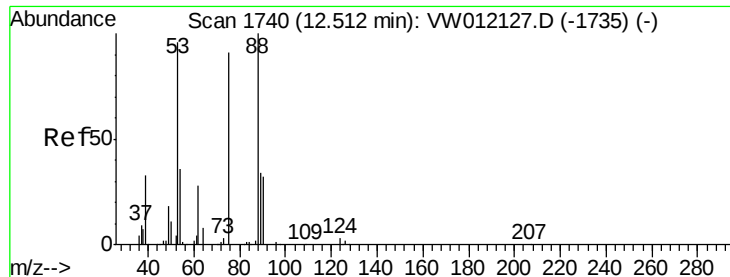
1,2,3-Trichloropropane
Concen: 64.109 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW012433.D
Acq: 01 Sep 2019 07:05

Tgt Ion: 75 Resp: 66347
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

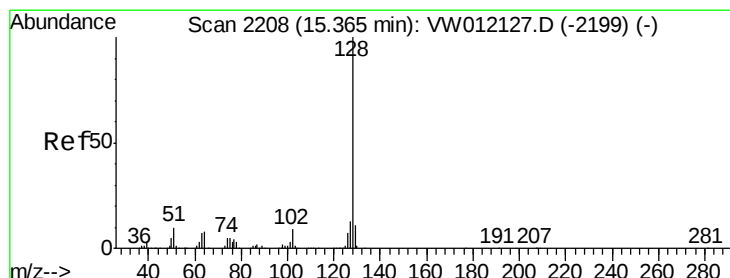
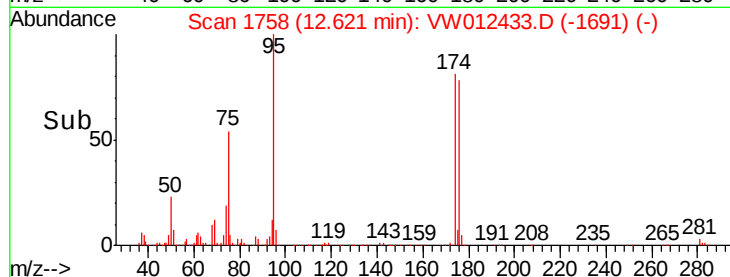
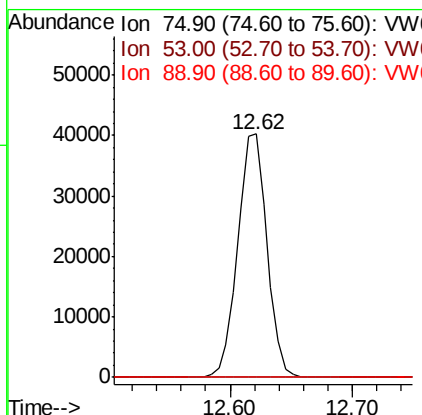
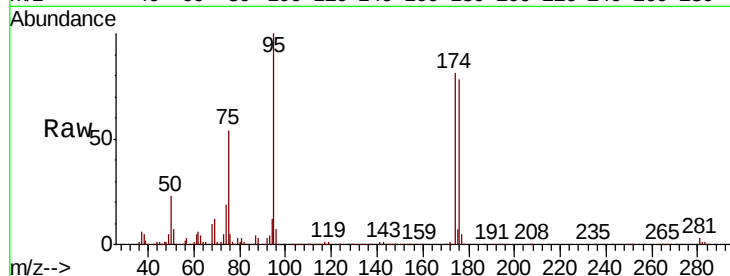




#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.560 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW012433.D
 Acq: 01 Sep 2019 07:05

Instrument :
 MSVOA_W
 ClientSampleId :
 T2-S-B2-(2.5)

Tgt Ion: 75 Resp: 66347
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.0 34.5 51.7#



#95
 Naphthalene
 Concen: 4.340 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW012433.D
 Acq: 01 Sep 2019 07:05

Tgt Ion: 128 Resp: 84
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.7 13.1#

