

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012445.D
 Acq On : 01 Sep 2019 13:57
 Operator : SY/VA
 Sample : K4517-07RE
 Misc : 5.88G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-D1-(2.5)

Quant Time: Sep 02 07:18:14 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	205030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	282839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	112812	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	135649	55.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.32%	
35) Dibromofluoromethane	7.88	113	104746	51.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.72%	
50) Toluene-d8	10.32	98	416629	50.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.62	95	129074	44.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.42%	

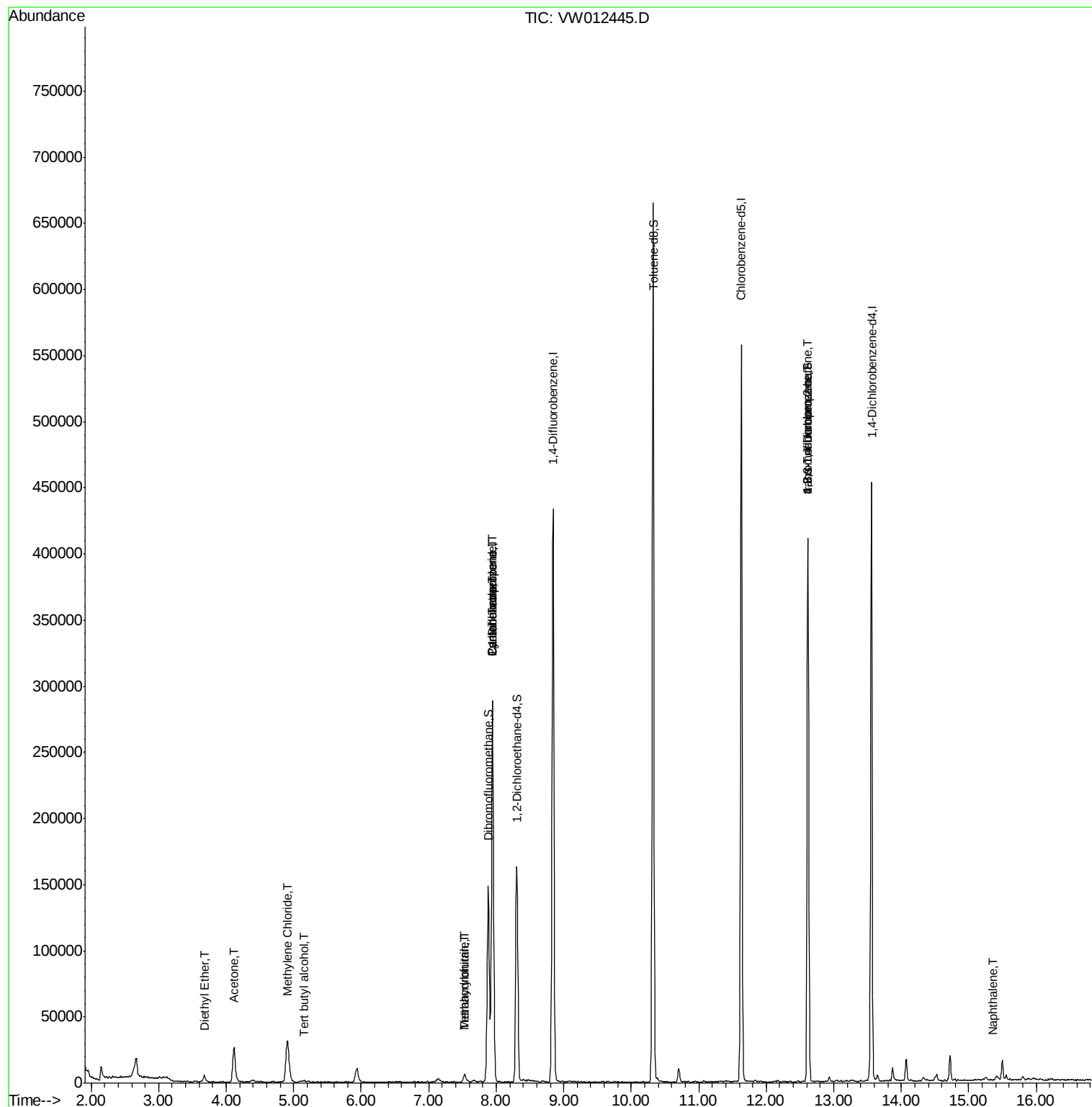
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2196	1.925	ug/l	83
11) Tert butyl alcohol	5.15	59	1639	11.174	ug/l #	71
16) Acetone	4.12	43	46952	75.361	ug/l	100
20) Methylene Chloride	4.91	84	22649	9.616	ug/l	94
29) Tetrahydrofuran	7.53	42	4778	9.407	ug/l #	85
31) Cyclohexane	7.95	56	5282	1.203	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	17377	4.970	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20861	6.893	ug/l #	17
41) Methacrylonitrile	7.54	41	3261	2.896	ug/l #	59
76) 1,2,3-Trichloropropane	12.62	75	71017	64.637	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71017	141.719	ug/l #	6
95) Naphthalene	15.36	128	299	4.385	ug/l #	77

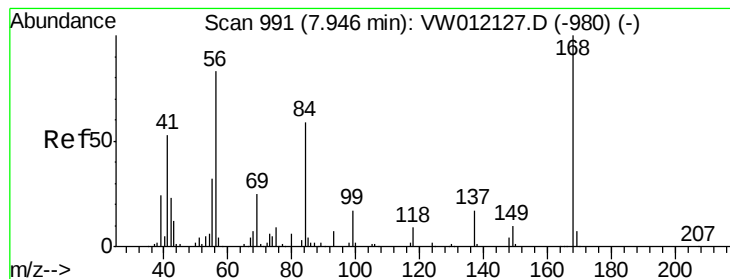
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012445.D

Acq: 01 Sep 2019 13:57

Instrument :

MSVOA_W

ClientSampled :

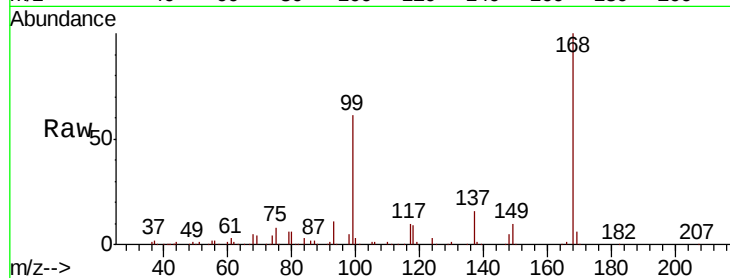
T4-S-D1-(2.5)

Tgt Ion:168 Resp: 205030

Ion Ratio Lower Upper

168 100

99 61.0 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

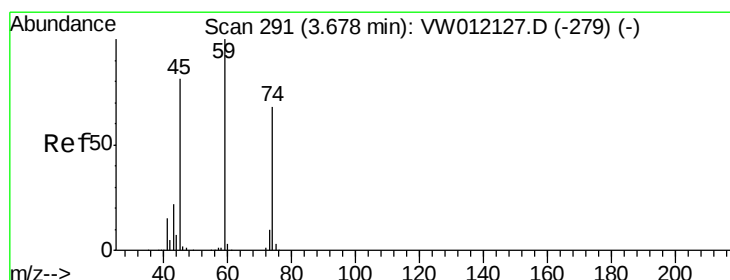
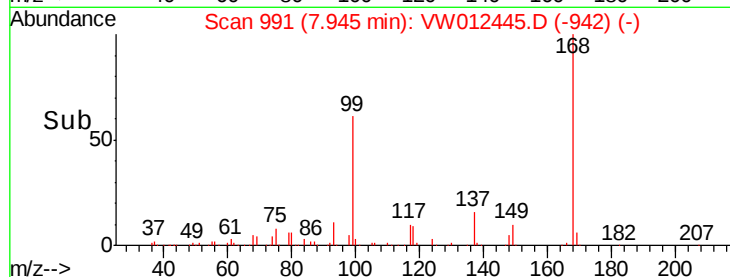
20000

0

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 1.925 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012445.D

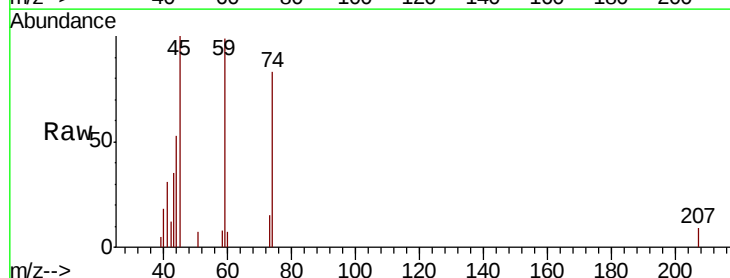
Acq: 01 Sep 2019 13:57

Tgt Ion: 74 Resp: 2196

Ion Ratio Lower Upper

74 100

45 137.2 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

1500

1000

500

0

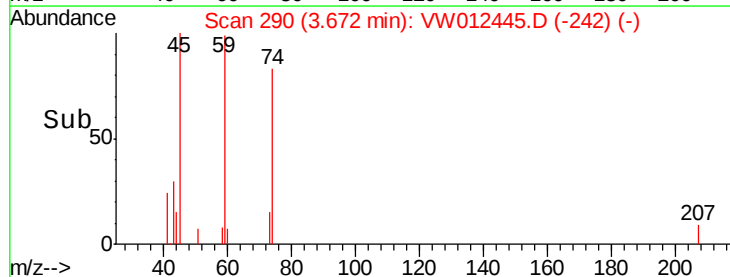
3.60

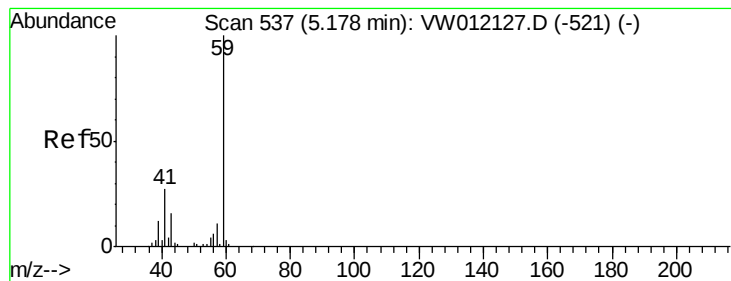
3.65

3.70

3.75

Time-->



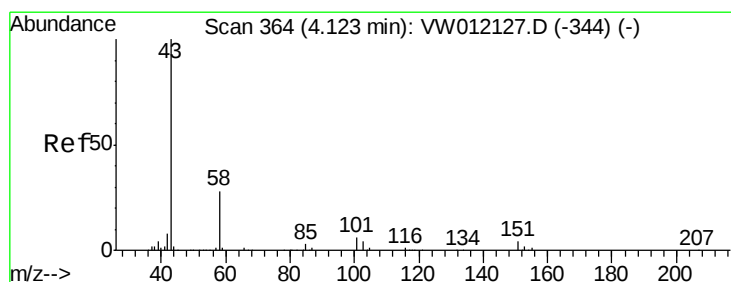
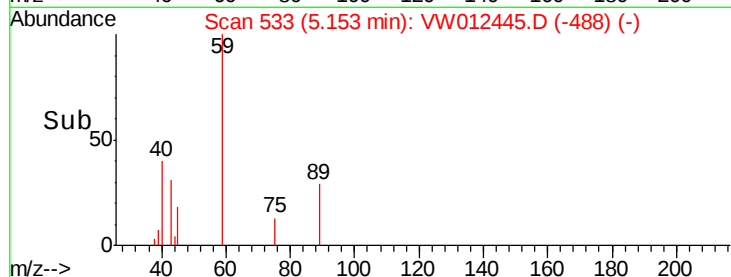
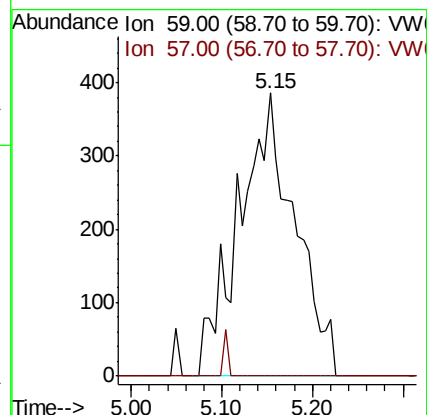
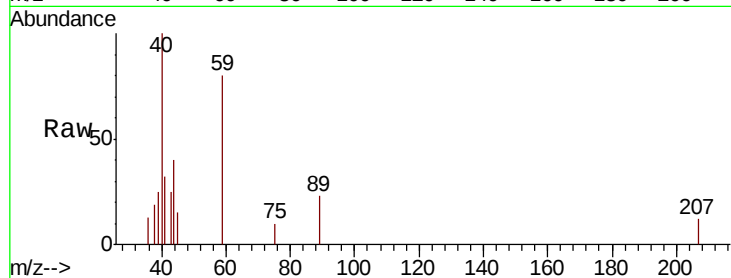


#11

Tert butyl alcohol
 Concen: 11.174 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VW012445.D
 Acq: 01 Sep 2019 13:57

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-D1-(2.5)

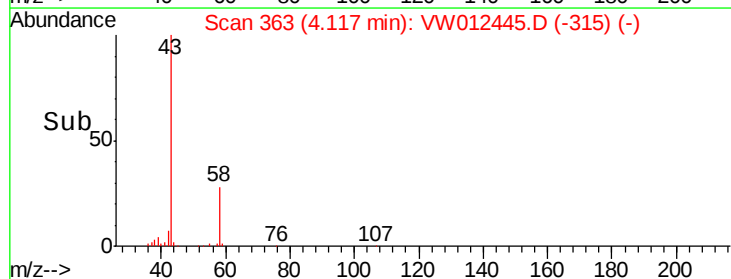
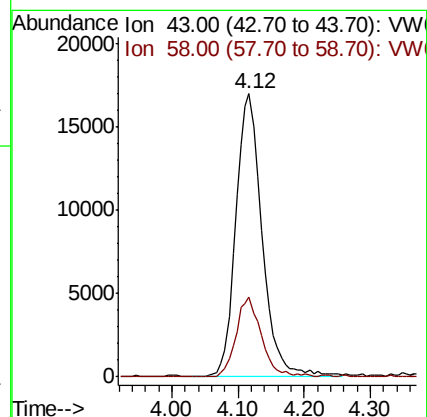
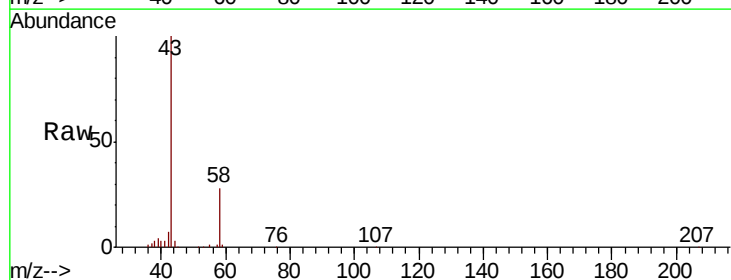
Tgt Ion: 59 Resp: 1639
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

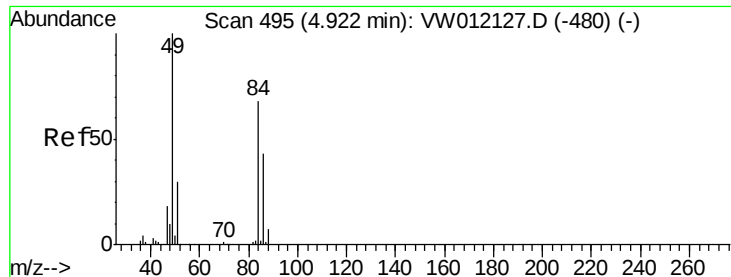


#16

Acetone
 Concen: 75.361 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VW012445.D
 Acq: 01 Sep 2019 13:57

Tgt Ion: 43 Resp: 46952
 Ion Ratio Lower Upper
 43 100
 58 28.1 22.4 33.6





#20

Methylene Chloride

Concen: 9.616 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012445.D

Acq: 01 Sep 2019 13:57

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D1-(2.5)

Tgt Ion: 84 Resp: 22649

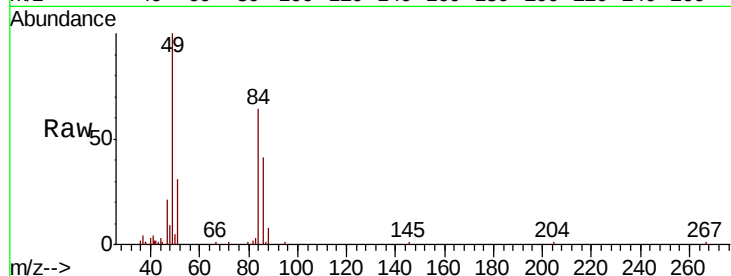
Ion Ratio Lower Upper

84 100

49 157.0 117.8 176.8

51 48.4 35.6 53.4

86 63.6 51.2 76.8

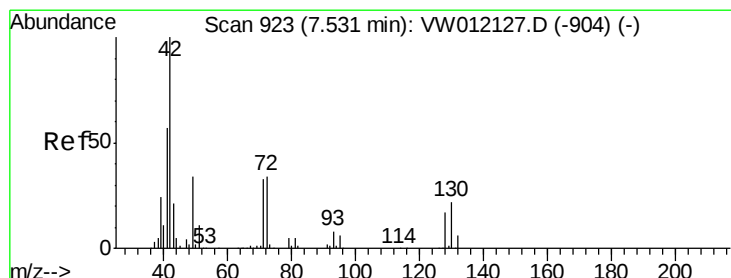
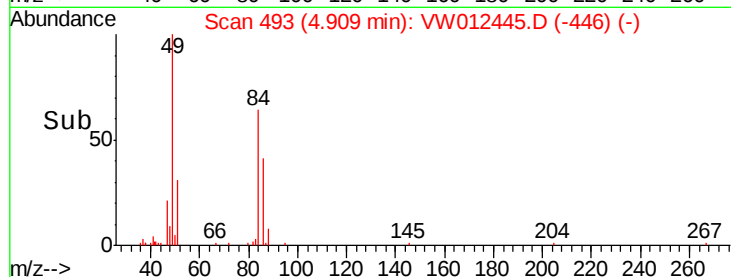
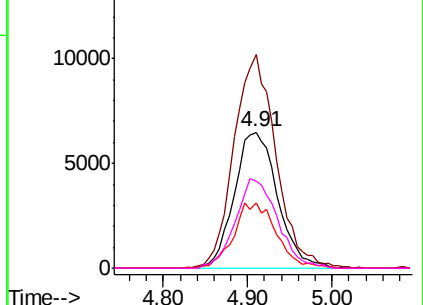


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#29

Tetrahydrofuran

Concen: 9.407 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012445.D

Acq: 01 Sep 2019 13:57

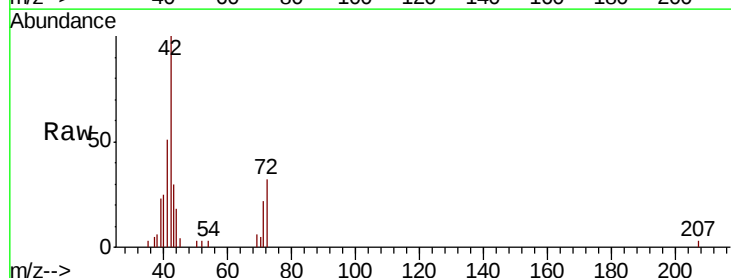
Tgt Ion: 42 Resp: 4778

Ion Ratio Lower Upper

42 100

72 36.7 27.3 40.9

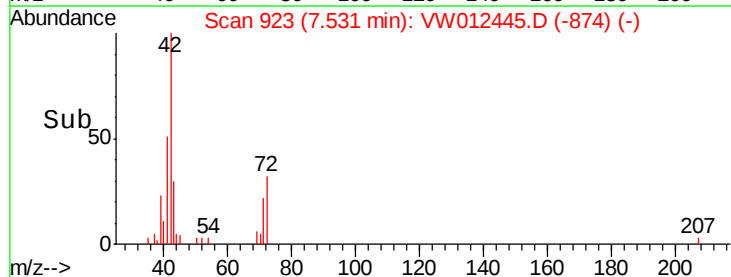
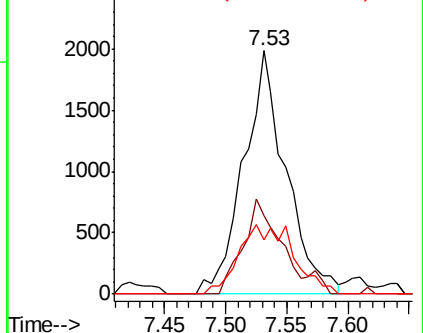
71 17.9 25.5 38.3#

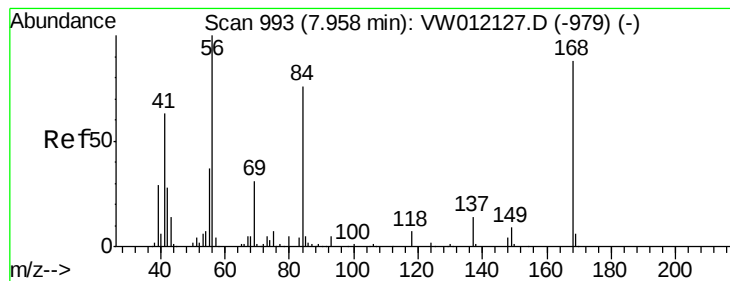


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.203 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012445.D

Acq: 01 Sep 2019 13:57

Instrument :

MSVOA_W

ClientSampled :

T4-S-D1-(2.5)

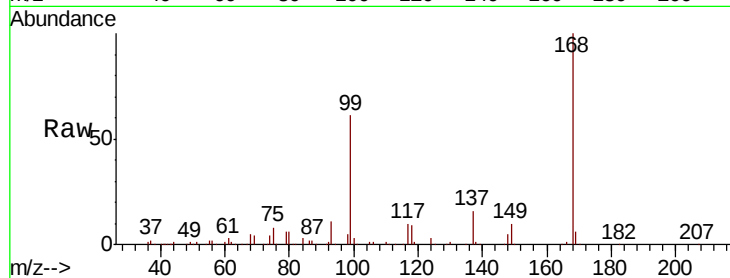
Tgt Ion: 56 Resp: 5282

Ion Ratio Lower Upper

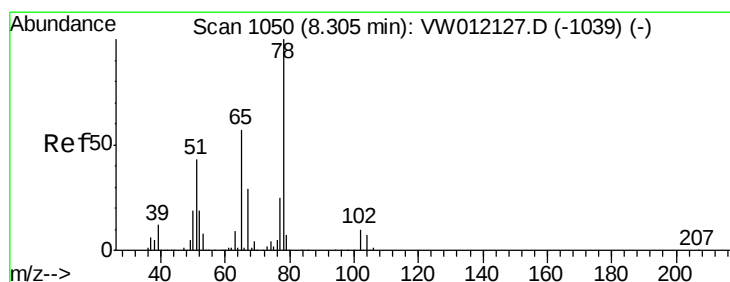
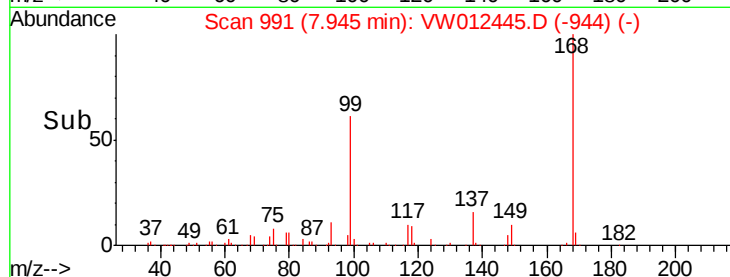
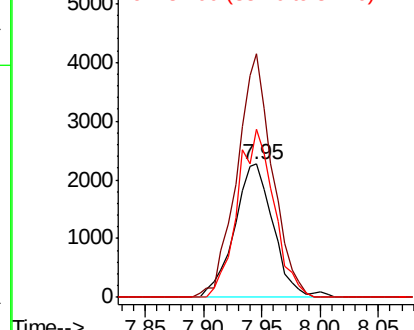
56 100

69 183.0 24.9 37.3#

84 126.5 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: 55.655 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012445.D

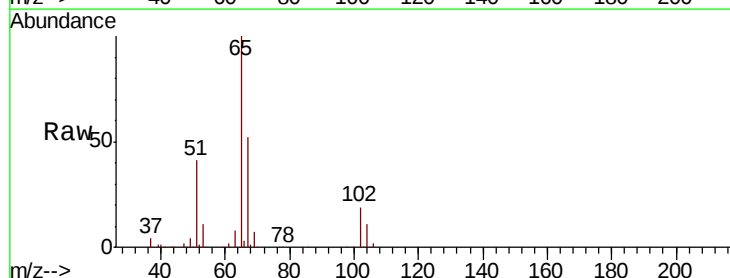
Acq: 01 Sep 2019 13:57

Tgt Ion: 65 Resp: 135649

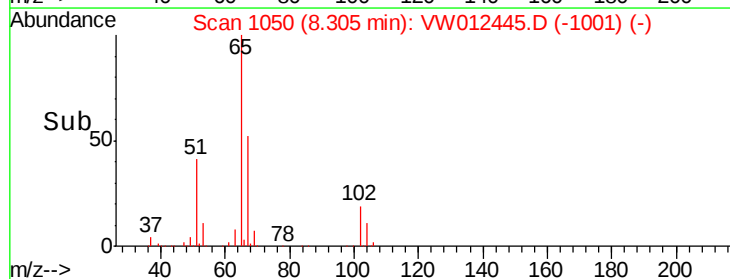
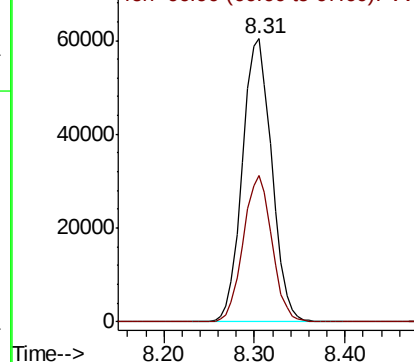
Ion Ratio Lower Upper

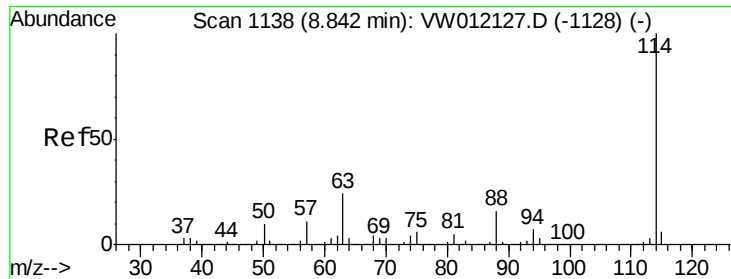
65 100

67 50.4 0.0 102.6



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

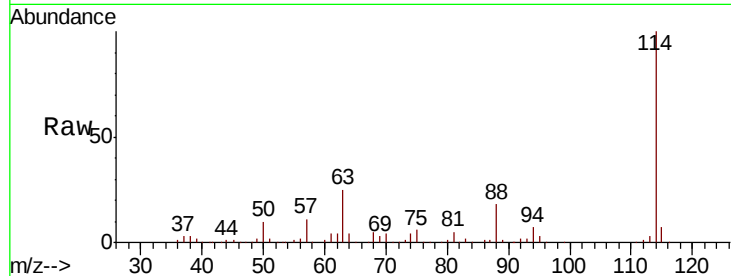




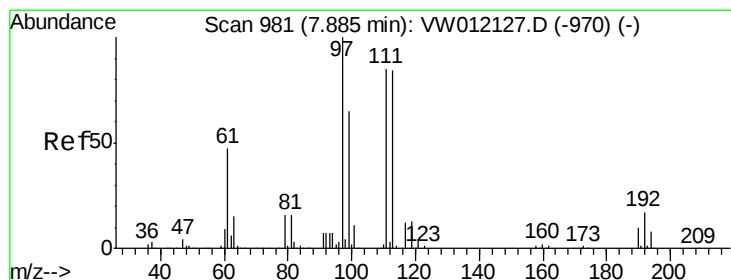
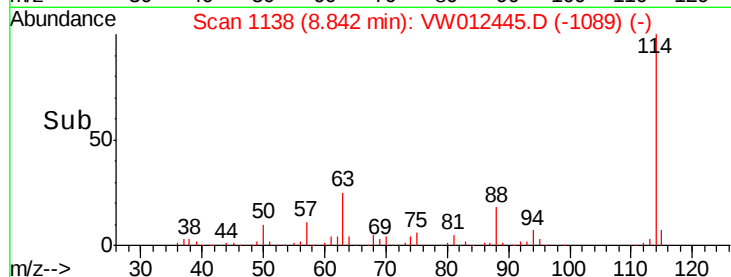
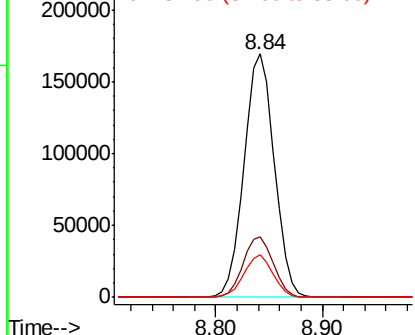
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012445.D
 Acq: 01 Sep 2019 13:57

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-D1-(2.5)

Tgt Ion:114 Resp: 338374
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.6
 88 17.5 0.0 32.2

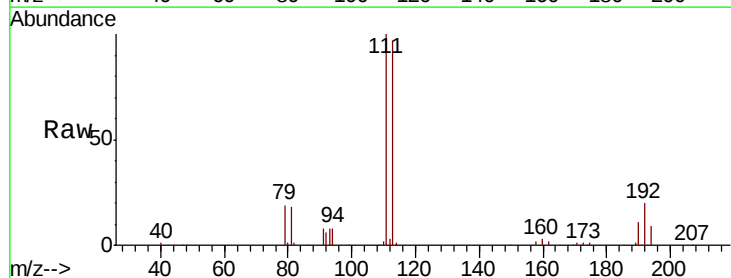


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

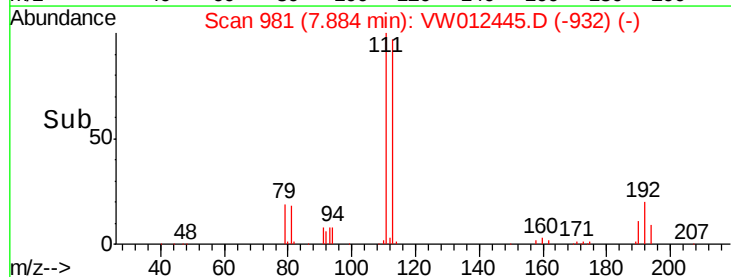
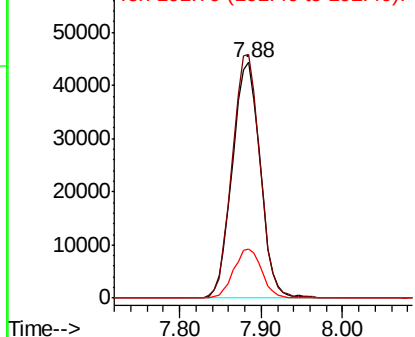


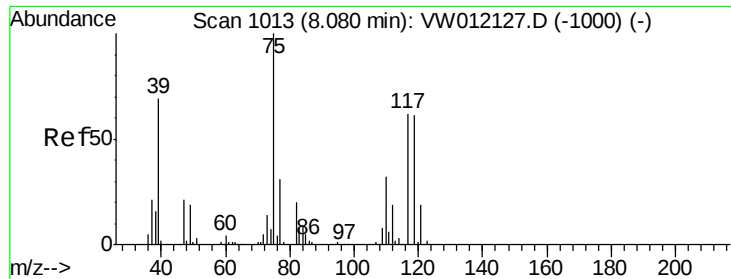
#35
 Dibromofluoromethane
 Concen: 51.860 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012445.D
 Acq: 01 Sep 2019 13:57

Tgt Ion:113 Resp: 104746
 Ion Ratio Lower Upper
 113 100
 111 103.3 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

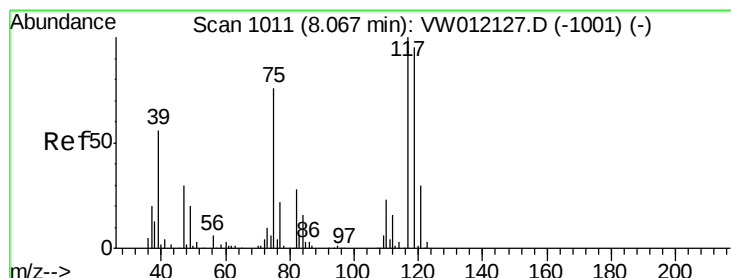
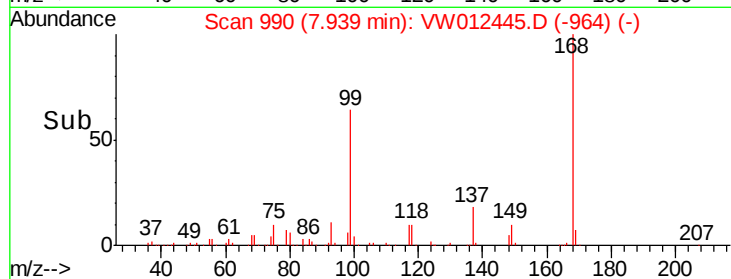
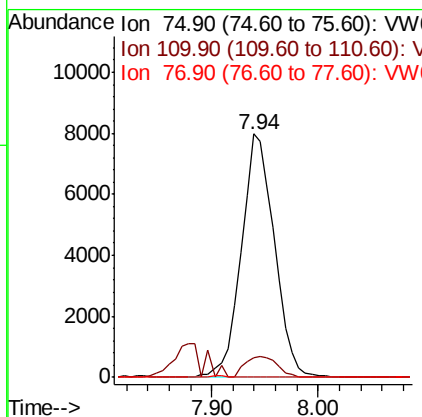
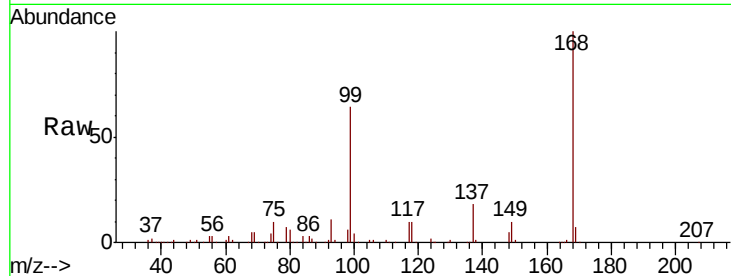




#36
 1,1-Dichloropropene
 Concen: 4.970 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012445.D
 Acq: 01 Sep 2019 13:57

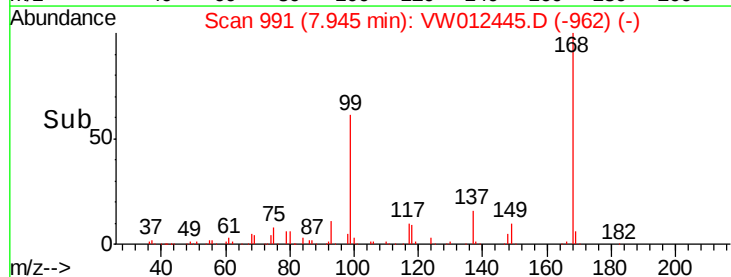
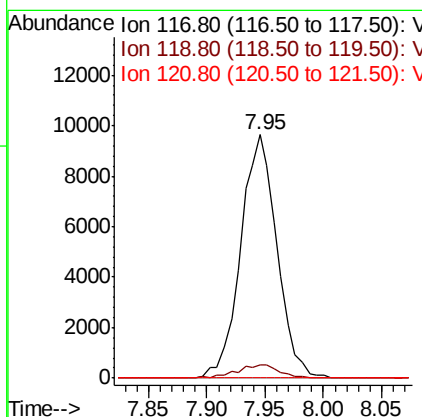
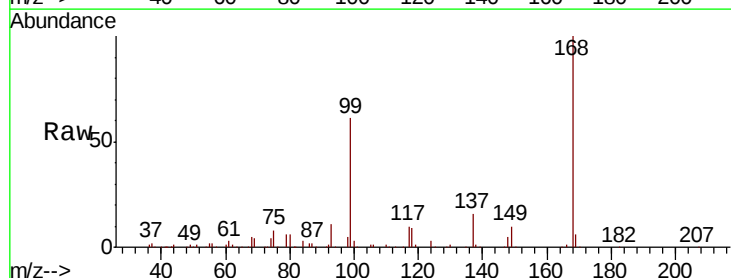
Instrument :
 MSVOA_W
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 T4-S-D1-(2.5)

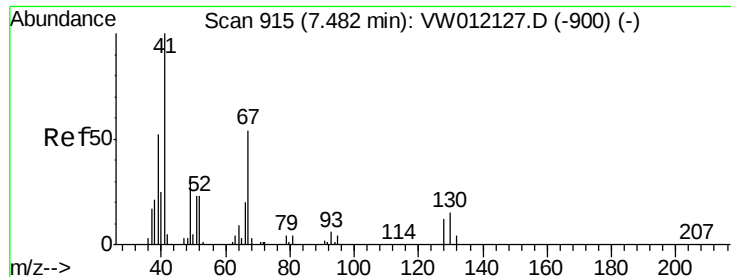
Tgt Ion: 75 Resp: 17377
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.893 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012445.D
 Acq: 01 Sep 2019 13:57

Tgt Ion: 117 Resp: 20861
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.896 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012445.D

Acq: 01 Sep 2019 13:57

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D1-(2.5)

Tgt Ion: 41 Resp: 3261

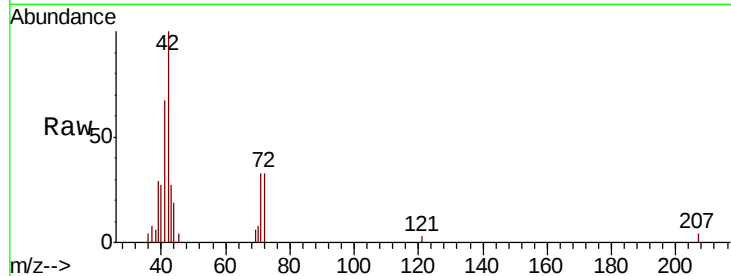
Ion Ratio Lower Upper

41 100

39 57.5 45.8 68.8

67 0.0 46.2 69.4#

52 0.6 21.0 31.6#

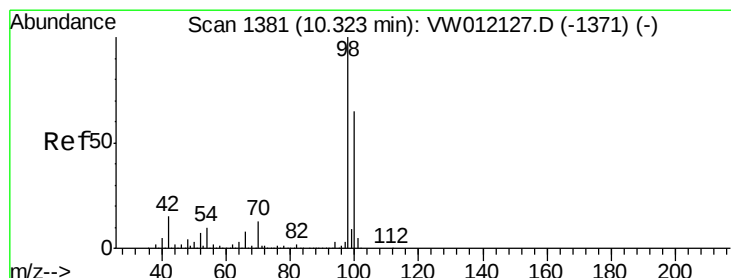
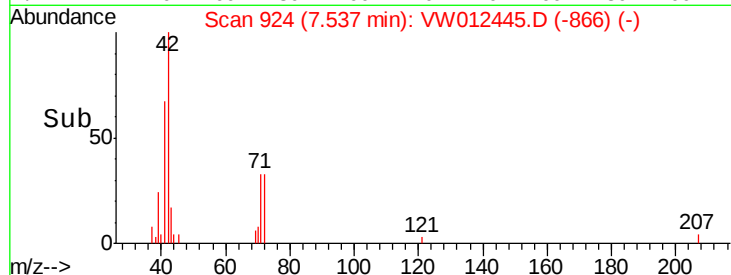
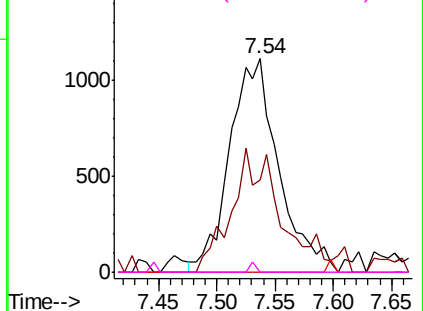


Abundance Ion 41.00 (40.70 to 41.70): VW

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



#50

Toluene-d8

Concen: 50.873 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012445.D

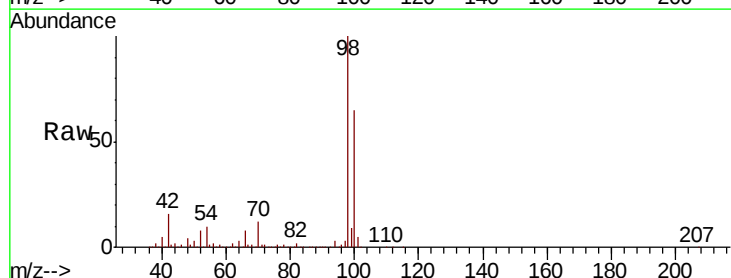
Acq: 01 Sep 2019 13:57

Tgt Ion: 98 Resp: 416629

Ion Ratio Lower Upper

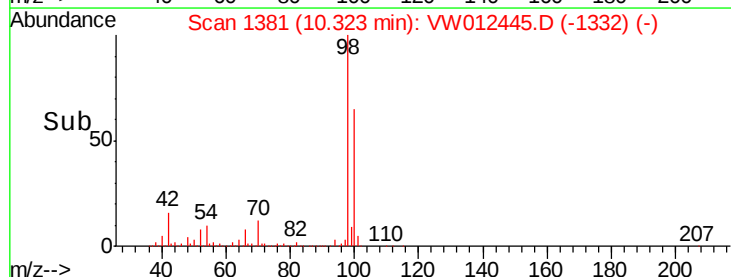
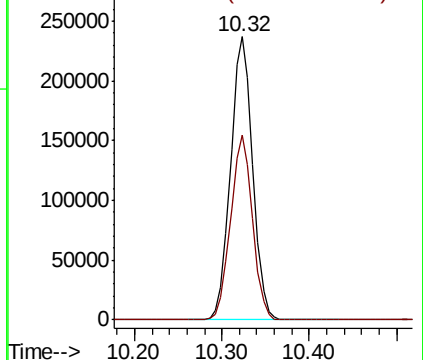
98 100

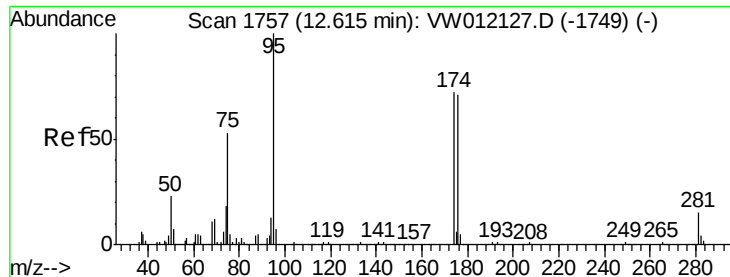
100 64.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

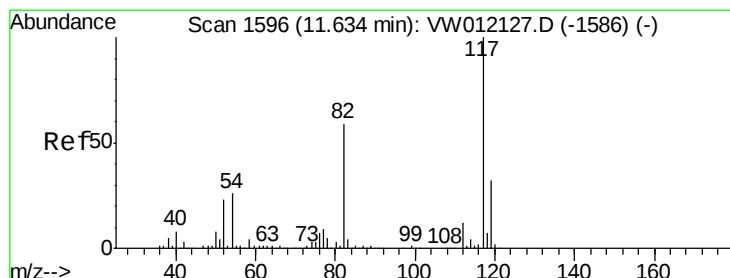
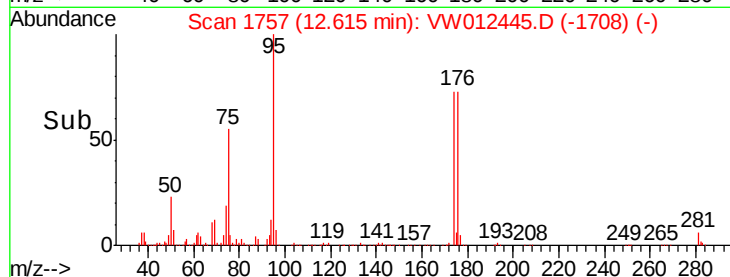
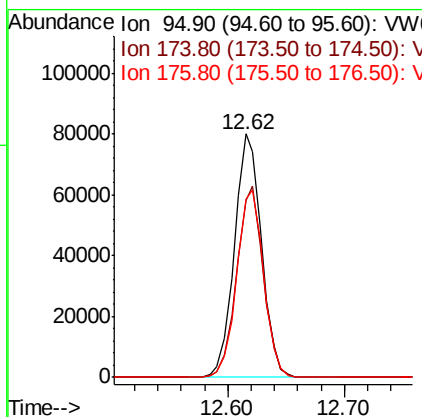
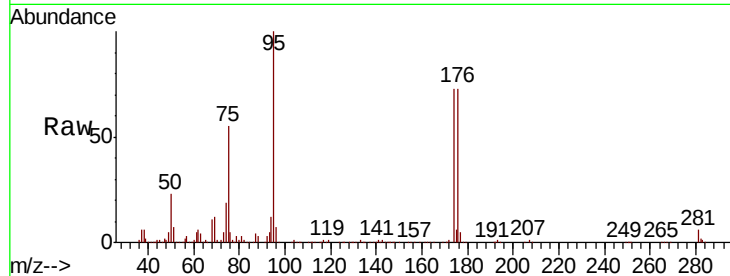




#62
4-Bromofluorobenzene
Concen: 44.712 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012445.D
Acq: 01 Sep 2019 13:57

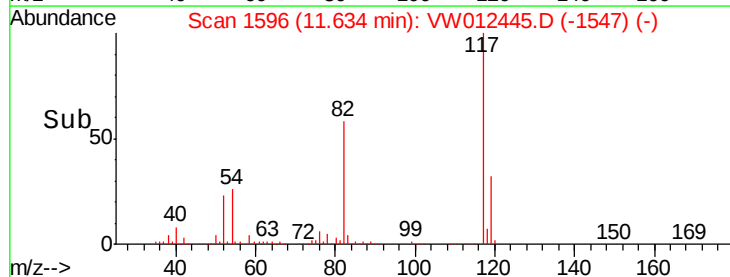
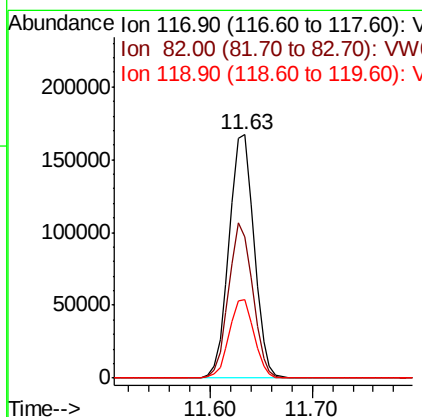
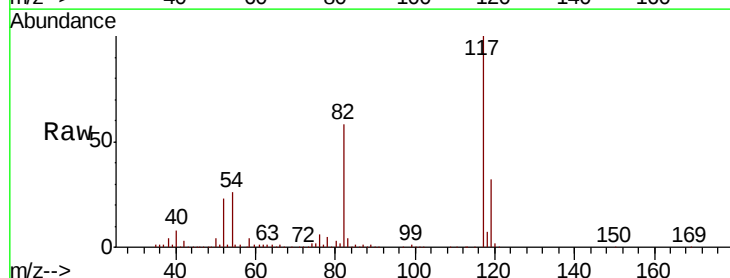
Instrument :
MSVOA_W
ClientSampleId :
T4-S-D1-(2.5)

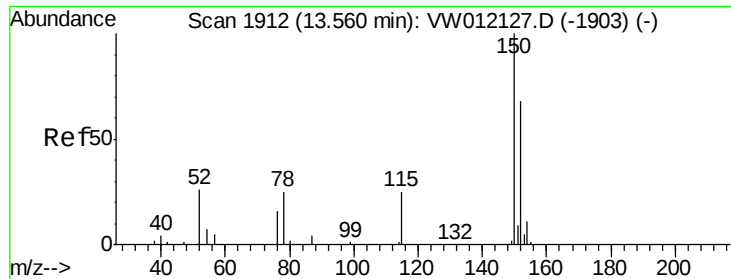
Tgt Ion: 95 Resp: 129074
Ion Ratio Lower Upper
95 100
174 77.6 0.0 150.8
176 76.8 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012445.D
Acq: 01 Sep 2019 13:57

Tgt Ion: 117 Resp: 282839
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 32.0 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012445.D

Acq: 01 Sep 2019 13:57

Instrument :

MSVOA_W

ClientSampled :

T4-S-D1-(2.5)

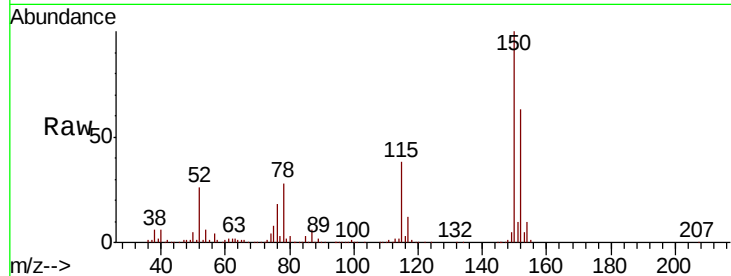
Tgt Ion:152 Resp: 112812

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.3

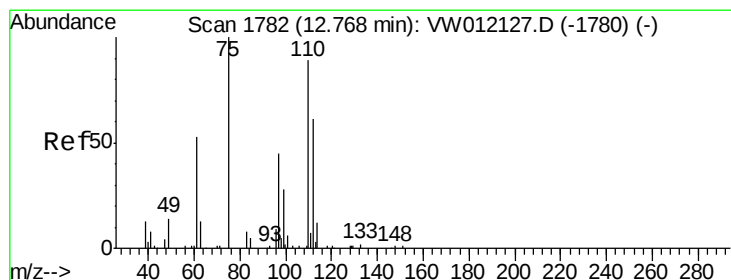
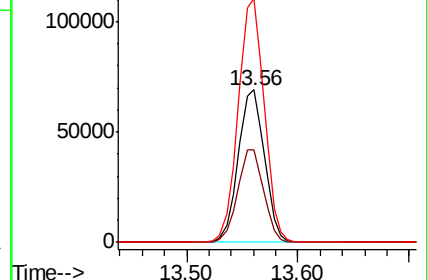
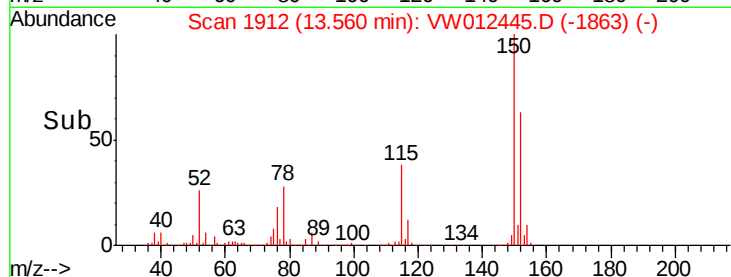
150 157.9 0.0 345.8



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: 64.637 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012445.D

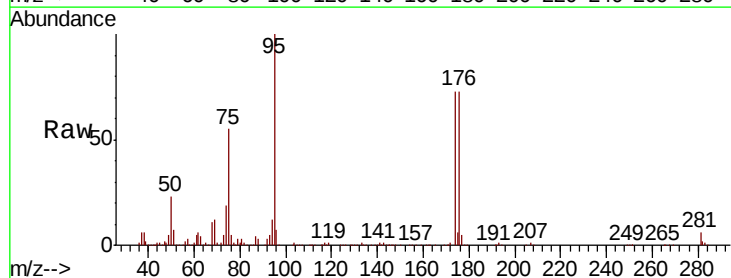
Acq: 01 Sep 2019 13:57

Tgt Ion: 75 Resp: 71017

Ion Ratio Lower Upper

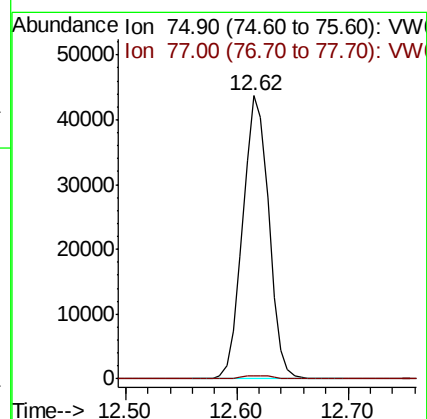
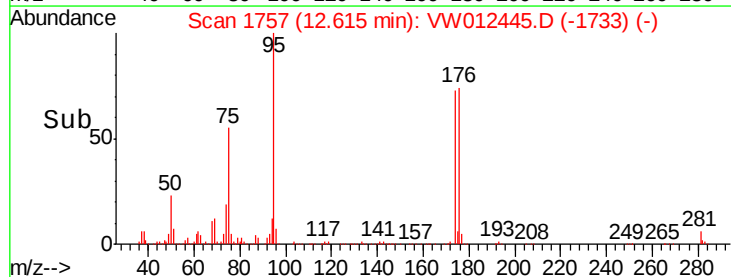
75 100

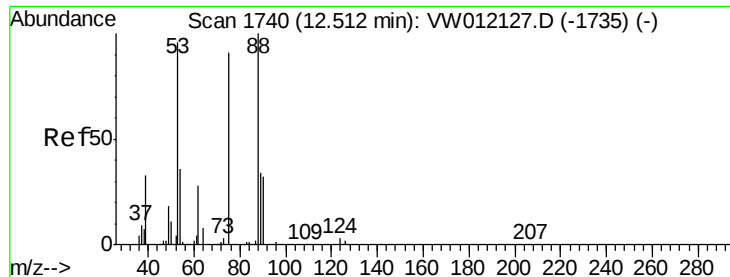
77 1.4 0.0 0.0#



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: 141.719 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012445.D

Acq: 01 Sep 2019 13:57

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D1-(2.5)

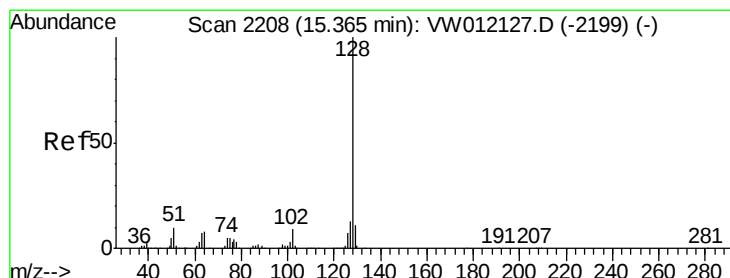
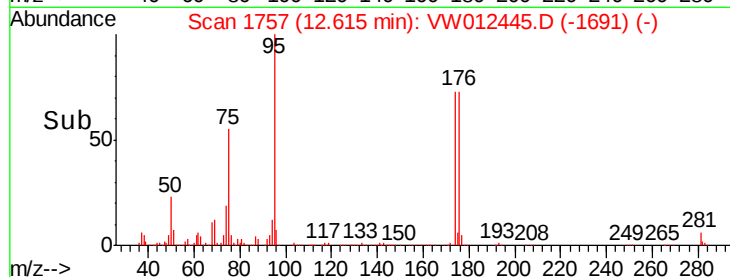
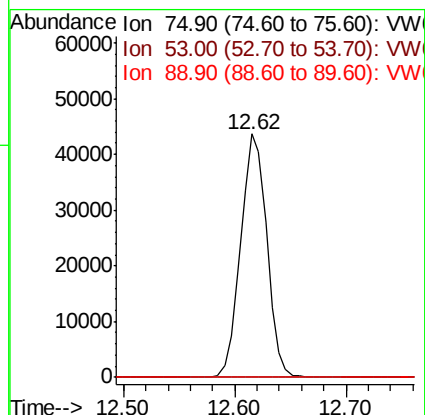
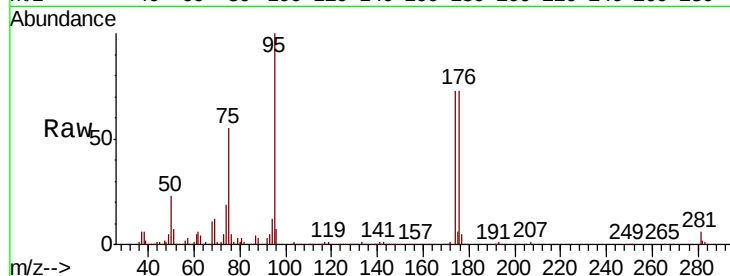
Tgt Ion: 75 Resp: 71017

Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

89 0.0 34.5 51.7#



#95

Naphthalene

Concen: 4.385 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012445.D

Acq: 01 Sep 2019 13:57

Tgt Ion: 128 Resp: 299

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 15.1 8.7 13.1#

