

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012521.D
 Acq On : 03 Sep 2019 01:57
 Operator : SY/VA
 Sample : K4544-07
 Misc : 6.40G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-B2-(2.25)

Quant Time: Sep 03 07:45:36 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	259880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	419868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	329583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	115821	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	153981	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
35) Dibromofluoromethane	7.88	113	125972	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
50) Toluene-d8	10.32	98	500936	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.62	95	146331	40.85	ug/l	0.00
Spiked Amount			Recovery	=	81.70%	

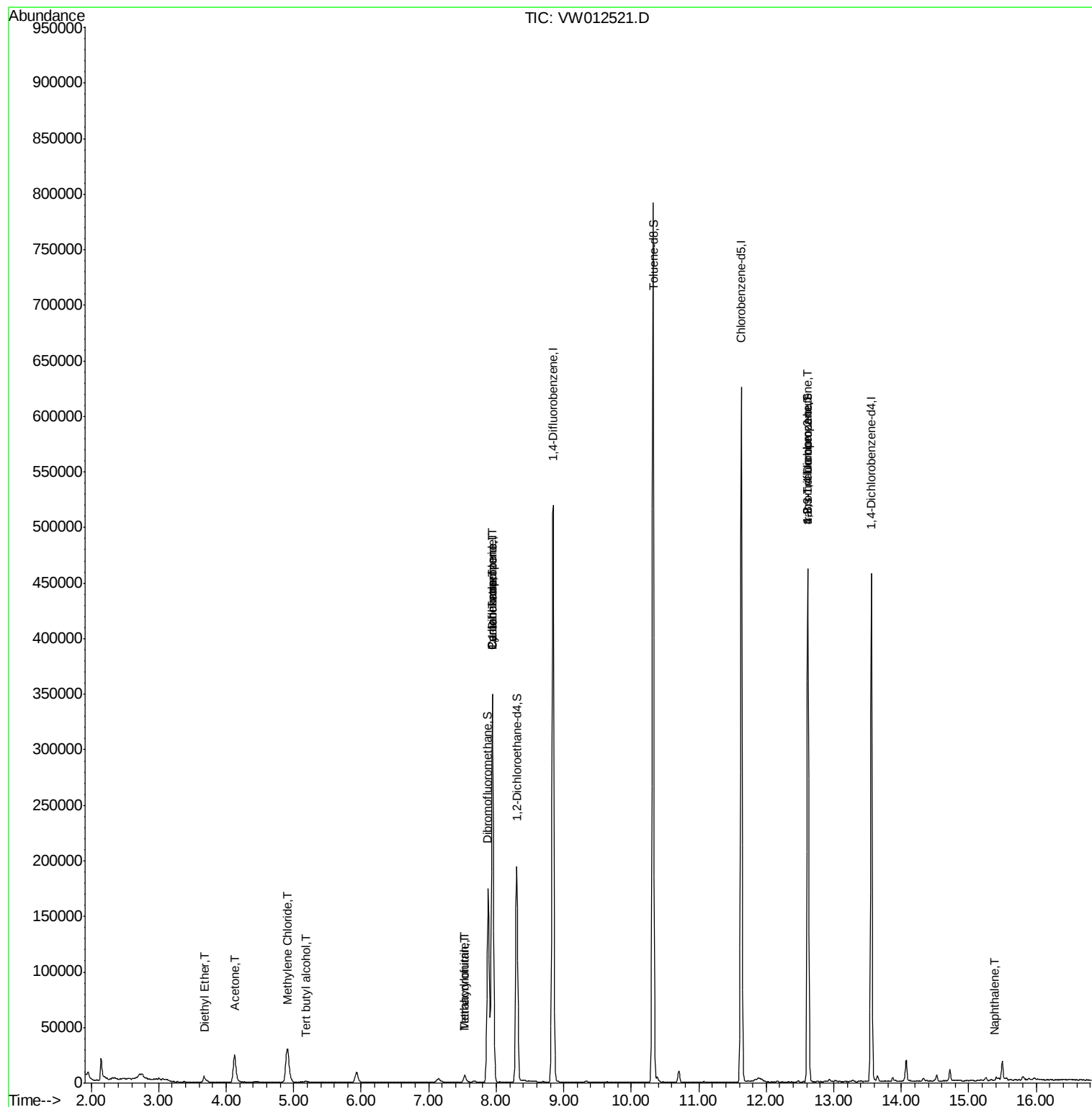
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2687	1.858	ug/l	98
11) Tert butyl alcohol	5.18	59	255	1.372	ug/l #	57
16) Acetone	4.12	43	47022	59.544	ug/l	99
20) Methylene Chloride	4.91	84	23729	7.948	ug/l	98
29) Tetrahydrofuran	7.54	42	5290	8.217	ug/l	93
31) Cyclohexane	7.94	56	6584	1.183	ug/l #	4
36) 1,1-Dichloropropene	7.94	75	20597	4.747	ug/l #	52
38) Carbon Tetrachloride	7.95	117	26044	6.935	ug/l #	16
41) Methacrylonitrile	7.53	41	3422	2.449	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	78233	69.355	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78233	152.063	ug/l #	6
95) Naphthalene	15.37	128	339	4.392	ug/l #	69

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

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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: VW012521.D

Acq: 03 Sep 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

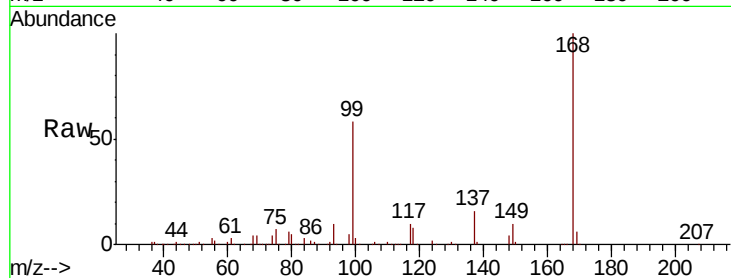
T16-17-B2-(2.25)

Tgt Ion:168 Resp: 259880

Ion Ratio Lower Upper

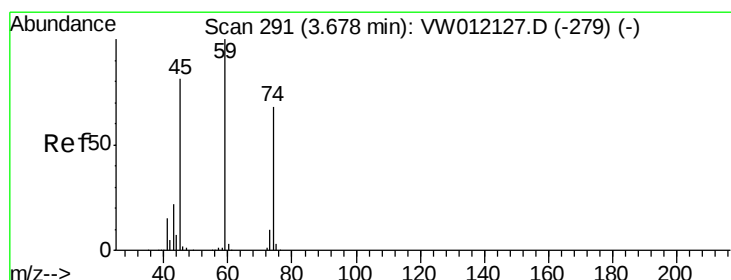
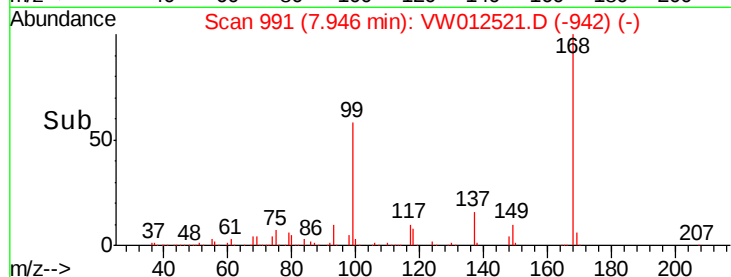
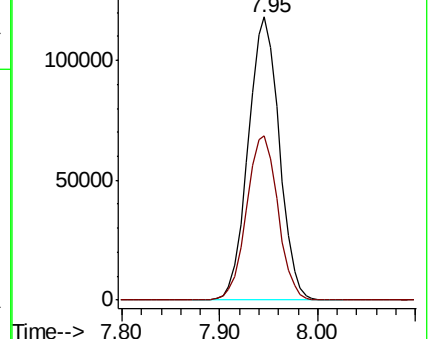
168 100

99 58.1 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.858 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012521.D

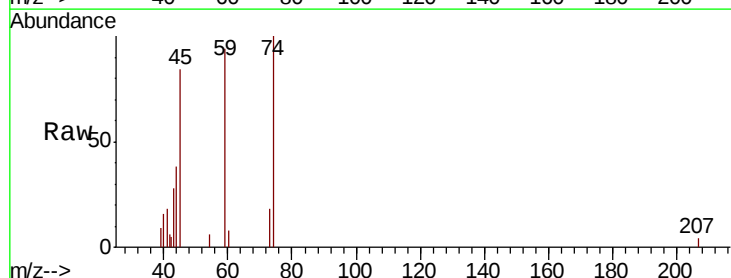
Acq: 03 Sep 2019 01:57

Tgt Ion: 74 Resp: 2687

Ion Ratio Lower Upper

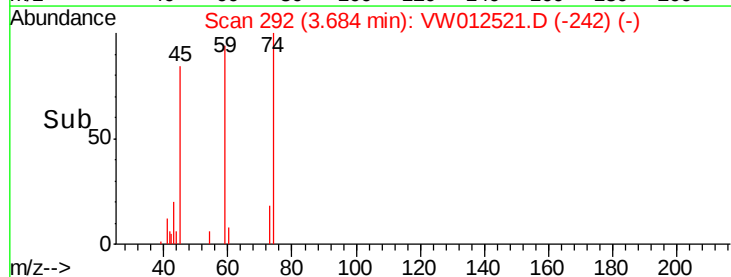
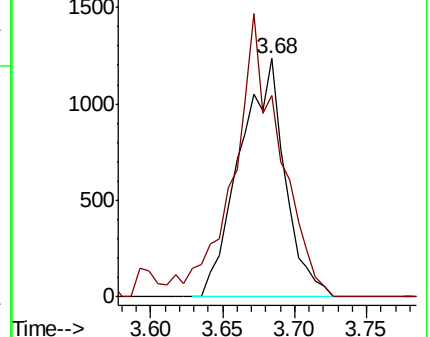
74 100

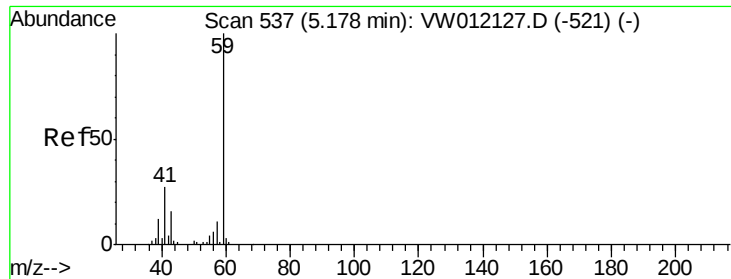
45 120.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

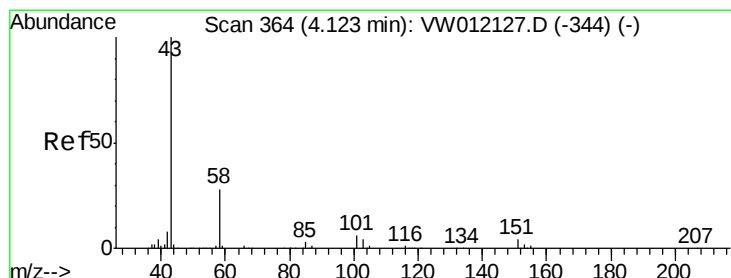
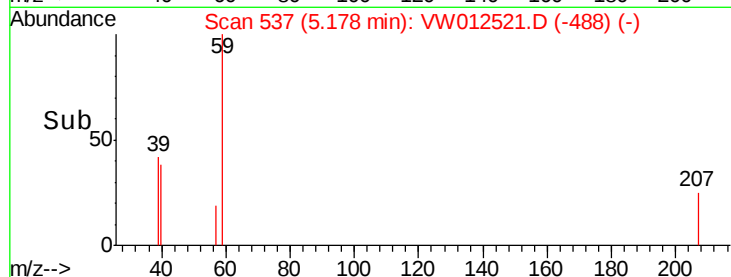
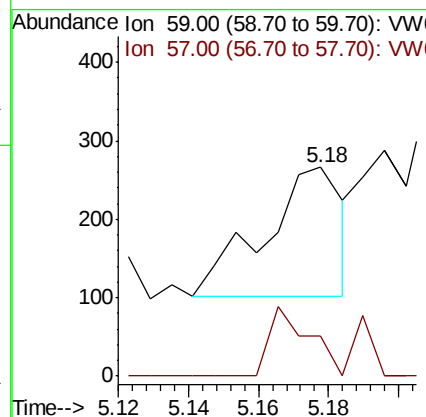
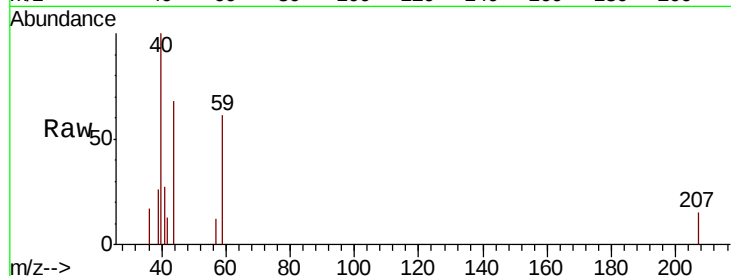




#11
Tert butyl alcohol
Concen: 1.372 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.00 min
Lab File: VW012521.D
Acq: 03 Sep 2019 01:57

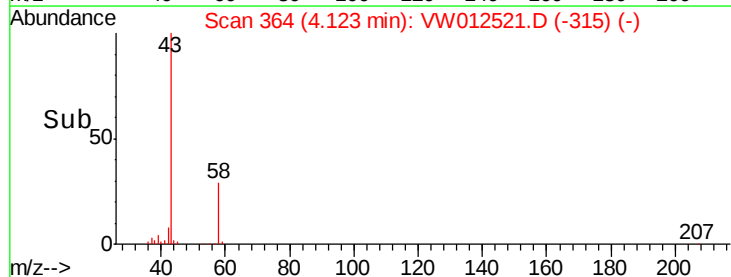
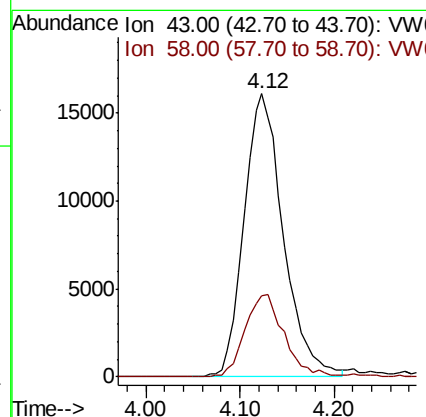
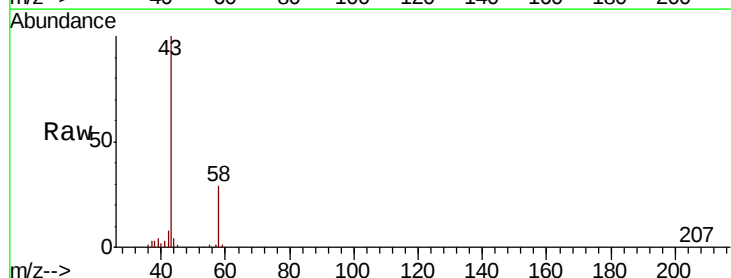
Instrument :
MSVOA_W
ClientSampleId :
T16-17-B2-(2.25)

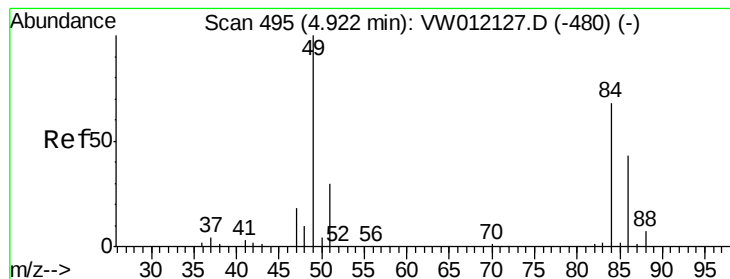
Tgt Ion: 59 Resp: 255
Ion Ratio Lower Upper
59 100
57 27.5 9.0 13.4#



#16
Acetone
Concen: 59.544 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.00 min
Lab File: VW012521.D
Acq: 03 Sep 2019 01:57

Tgt Ion: 43 Resp: 47022
Ion Ratio Lower Upper
43 100
58 28.6 22.4 33.6





#20

Methylene Chloride

Concen: 7.948 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012521.D

Acq: 03 Sep 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B2-(2.25)

Tgt Ion: 84 Resp: 23729

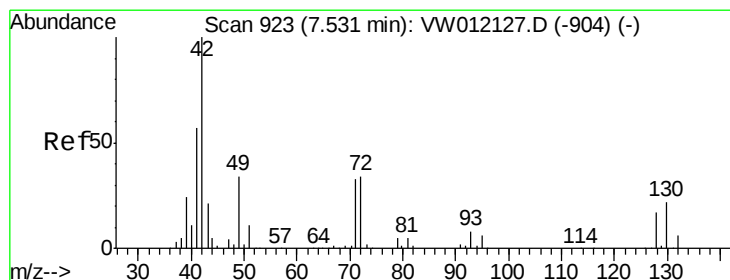
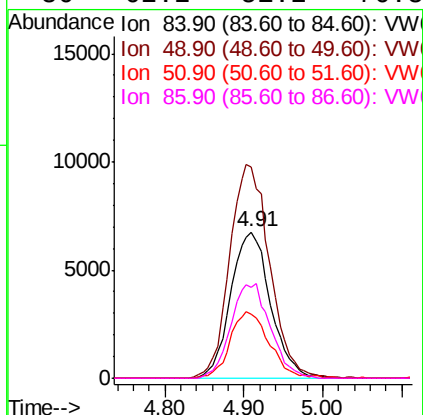
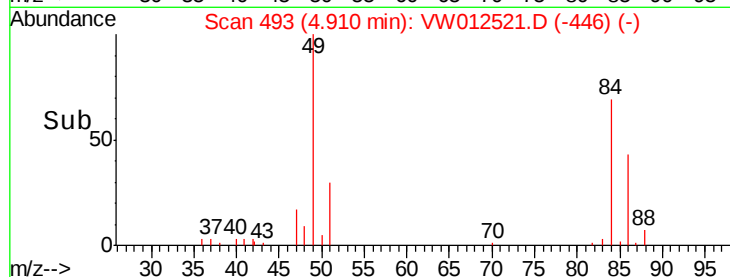
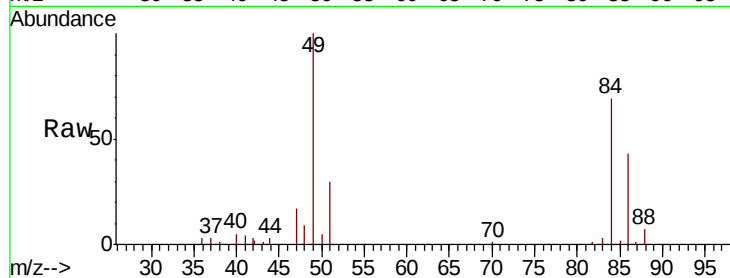
Ion Ratio Lower Upper

84 100

49 144.6 117.8 176.8

51 44.1 35.6 53.4

86 62.2 51.2 76.8



#29

Tetrahydrofuran

Concen: 8.217 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012521.D

Acq: 03 Sep 2019 01:57

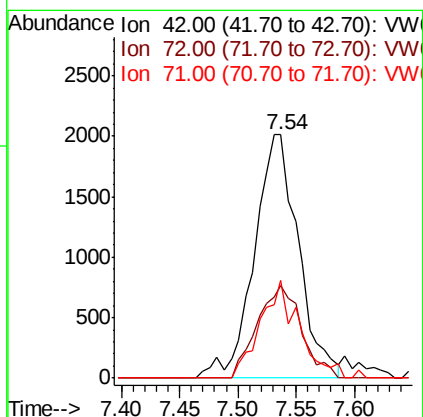
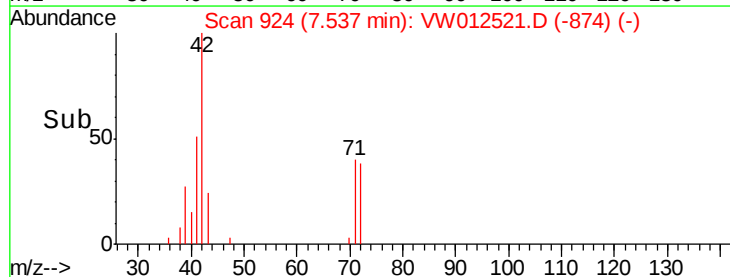
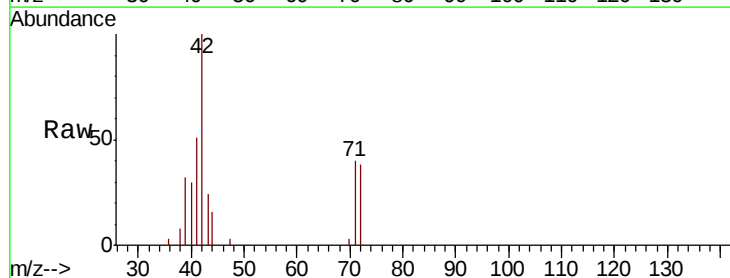
Tgt Ion: 42 Resp: 5290

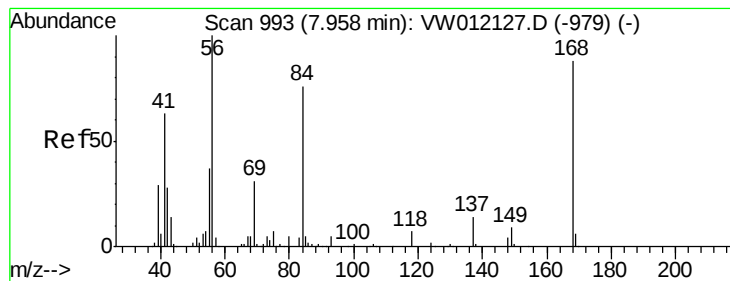
Ion Ratio Lower Upper

42 100

72 38.0 27.3 40.9

71 35.4 25.5 38.3





#31

Cyclohexane

Concen: 1.183 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012521.D

Acq: 03 Sep 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B2-(2.25)

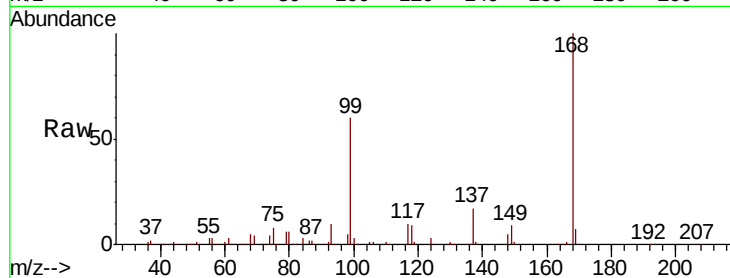
Tgt Ion: 56 Resp: 6584

Ion Ratio Lower Upper

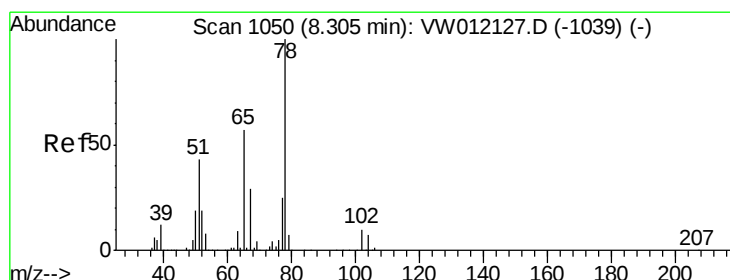
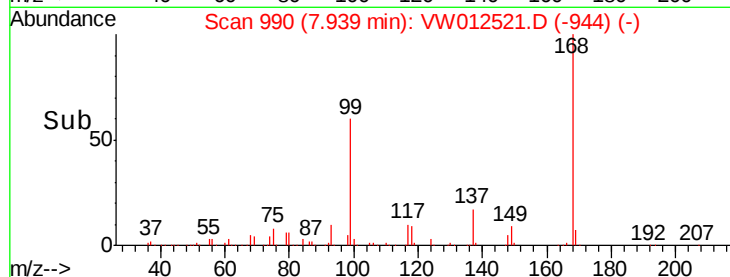
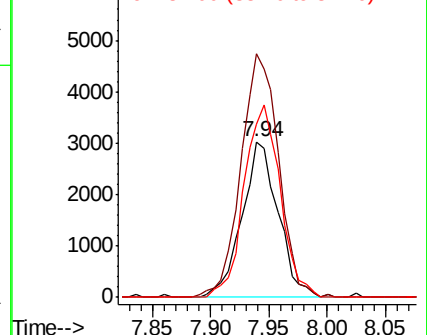
56 100

69 156.2 24.9 37.3#

84 111.1 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: 49.843 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012521.D

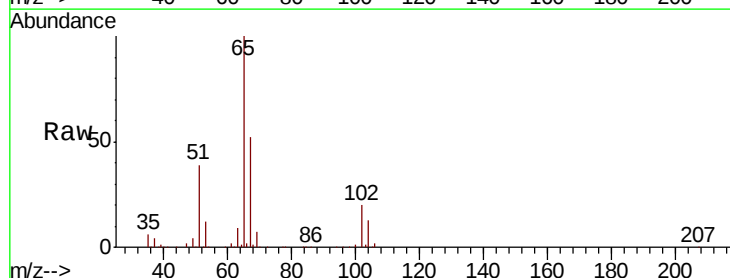
Acq: 03 Sep 2019 01:57

Tgt Ion: 65 Resp: 153981

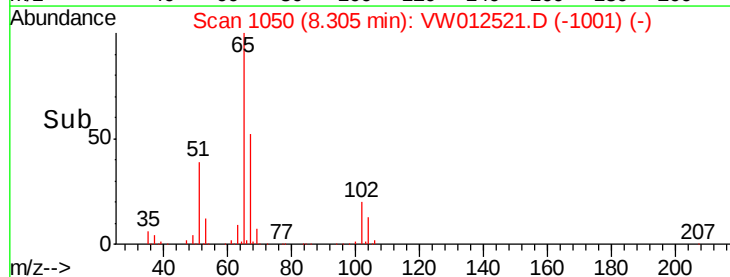
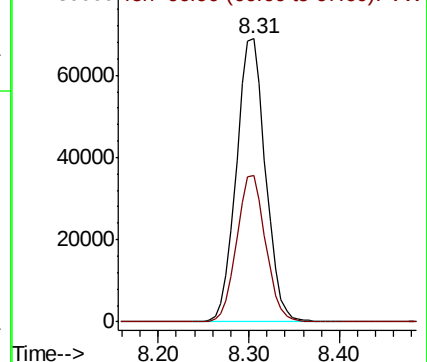
Ion Ratio Lower Upper

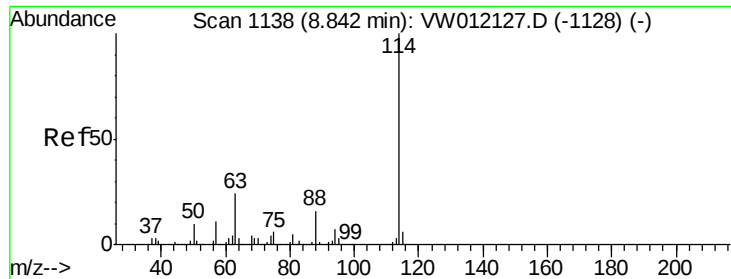
65 100

67 51.4 0.0 102.6



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

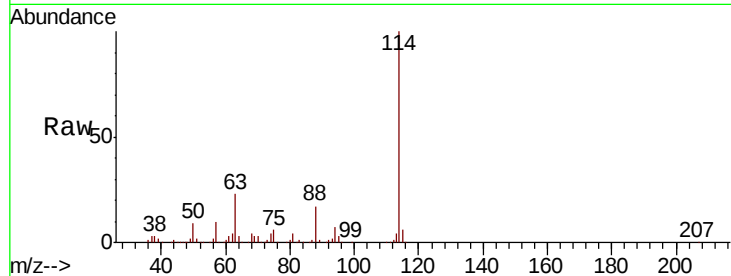




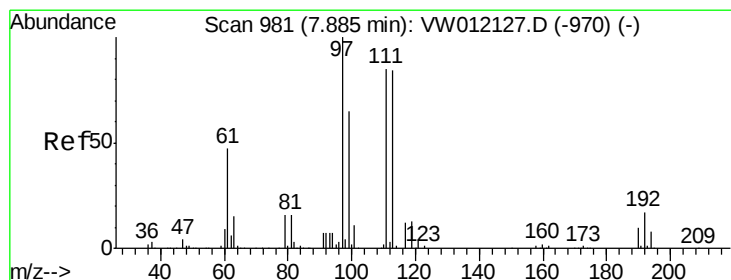
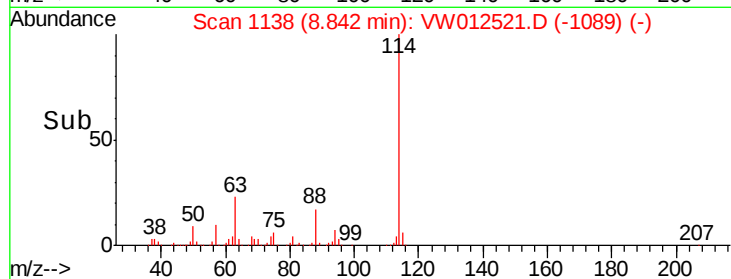
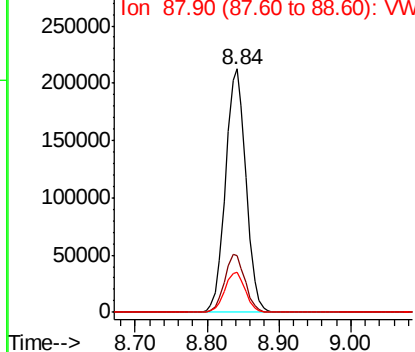
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012521.D
 Acq: 03 Sep 2019 01:57

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-B2-(2.25)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	48.6
88	16.7	0.0	32.2

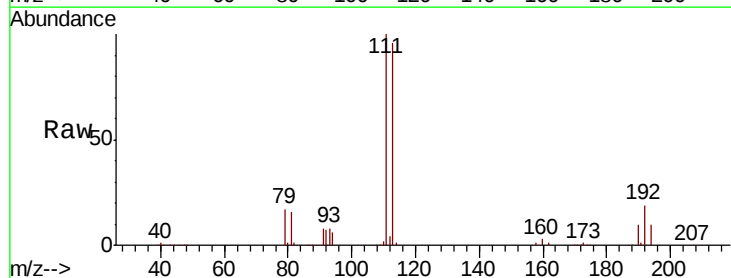


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

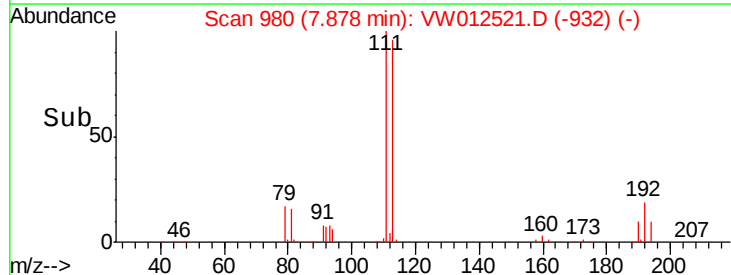
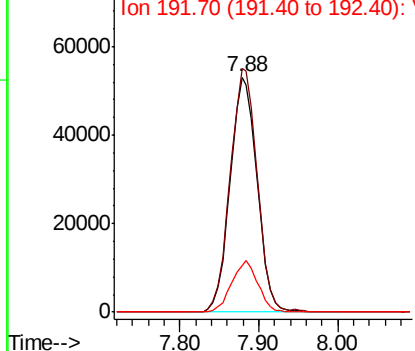


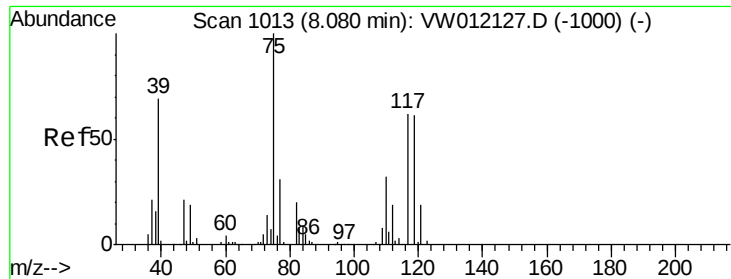
#35
 Dibromofluoromethane
 Concen: 50.264 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012521.D
 Acq: 03 Sep 2019 01:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.7	124.1
192	21.2	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

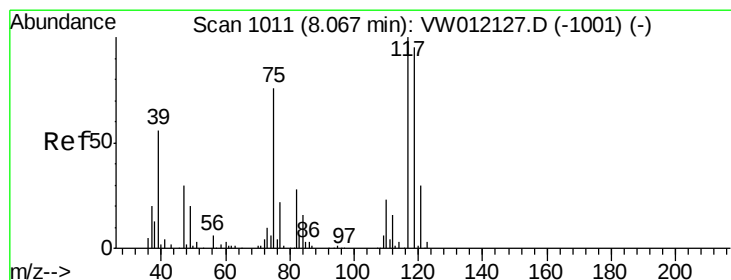
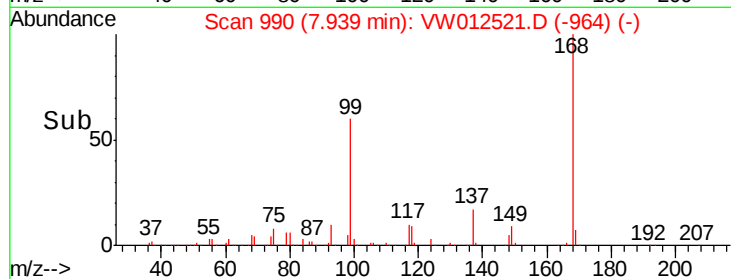
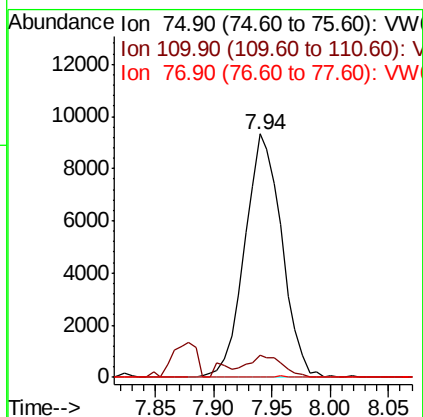
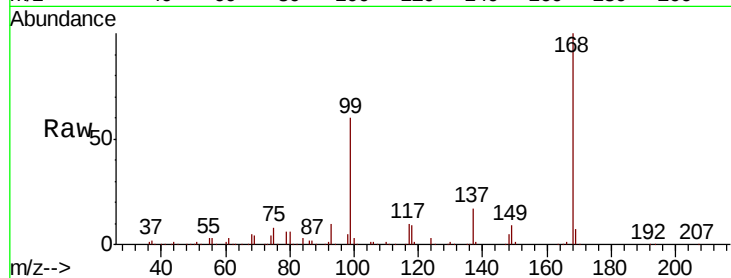




#36
 1,1-Dichloropropene
 Concen: 4.747 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012521.D
 Acq: 03 Sep 2019 01:57

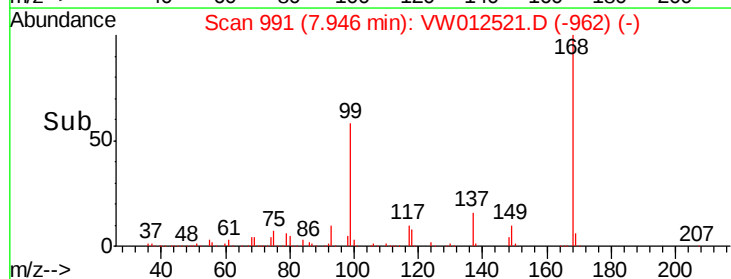
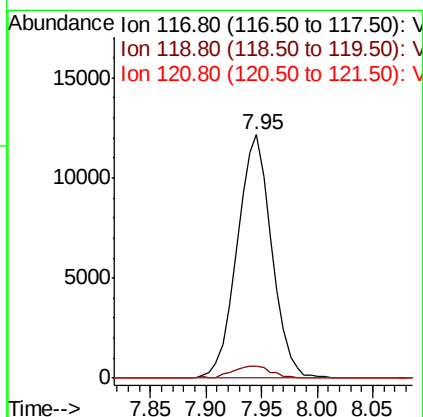
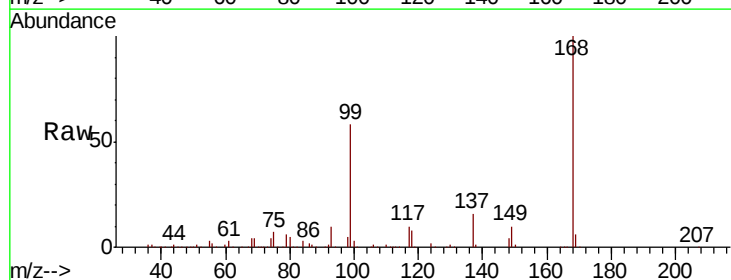
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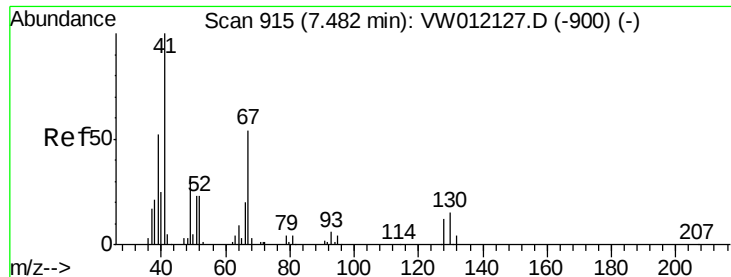
Tgt Ion: 75 Resp: 20597
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.6 46.8#
 77 0.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.935 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012521.D
 Acq: 03 Sep 2019 01:57

Tgt Ion: 117 Resp: 26044
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.2 114.2#
 121 0.0 23.8 35.8#

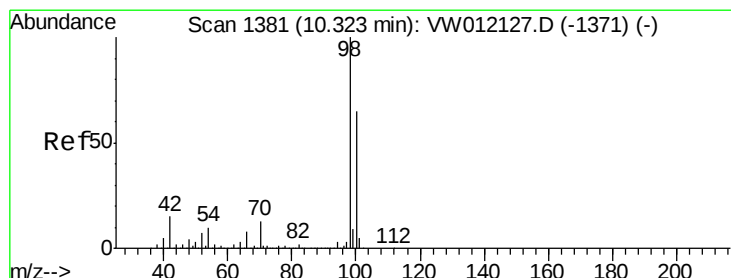
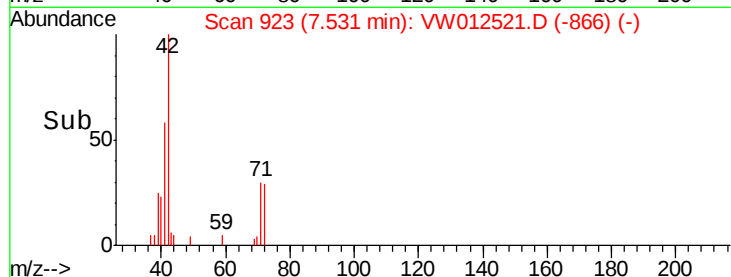
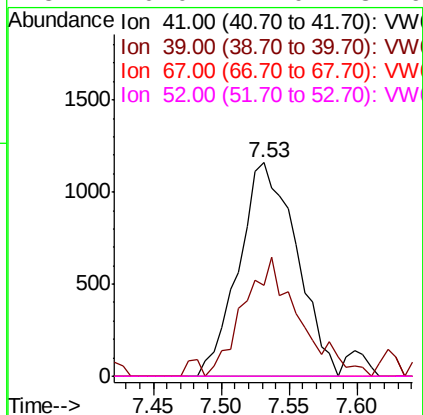
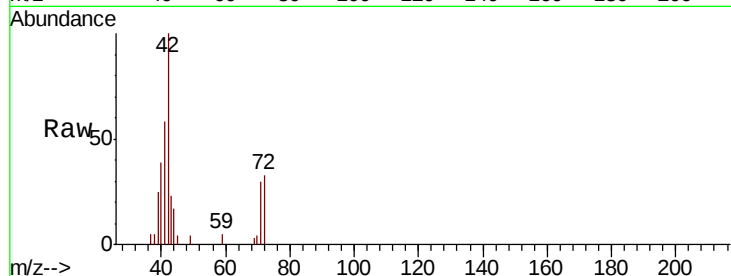




#41
Methacrylonitrile
Concen: 2.449 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012521.D
Acq: 03 Sep 2019 01:57

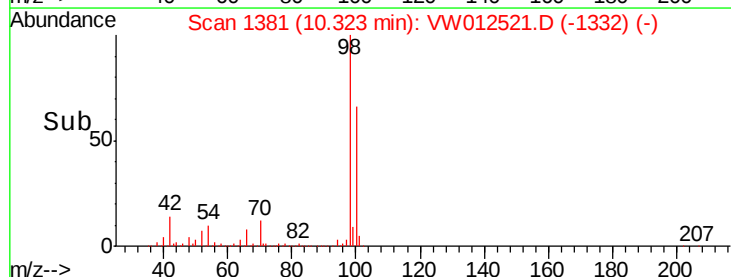
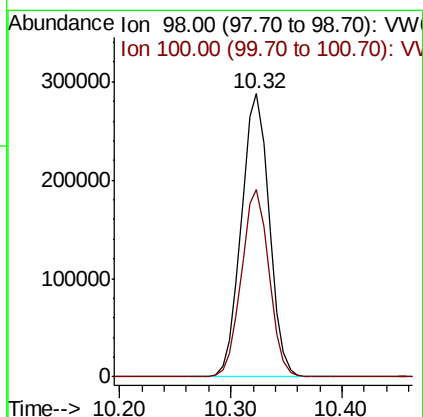
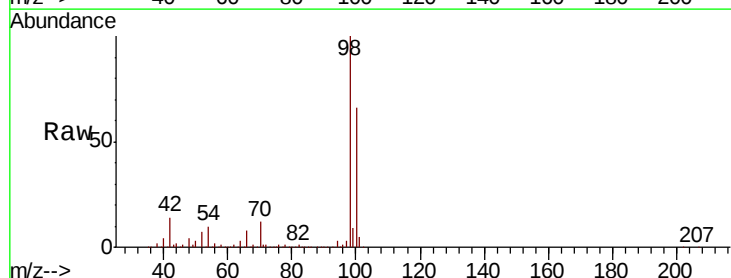
Instrument :
MSVOA_W
ClientSampleId :
T16-17-B2-(2.25)

Tgt Ion:	41	Resp:	3422
Ion	Ratio	Lower	Upper
41	100		
39	53.9	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#50
Toluene-d8
Concen: 49.295 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012521.D
Acq: 03 Sep 2019 01:57

Tgt Ion:	98	Resp:	500936
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6

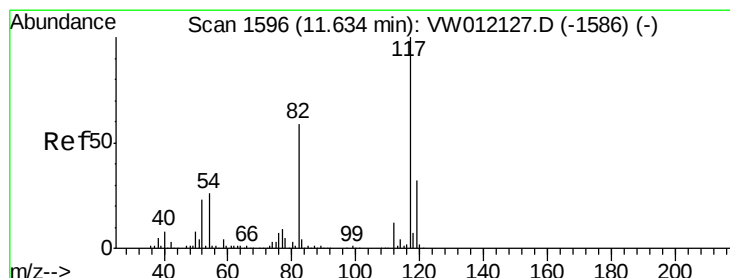
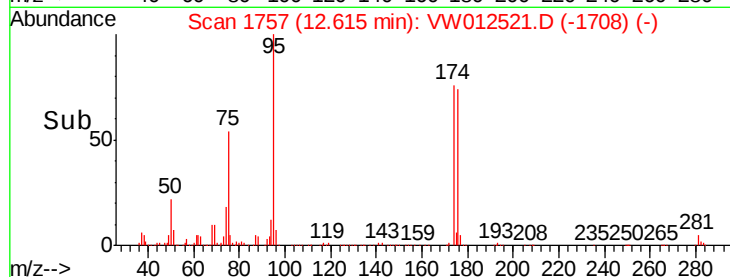
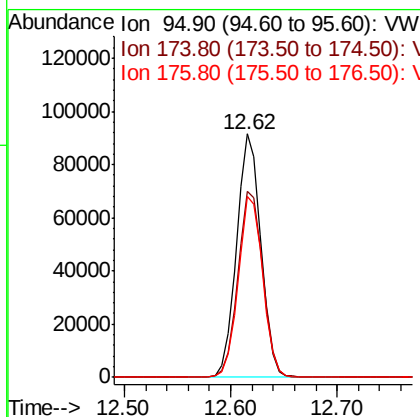
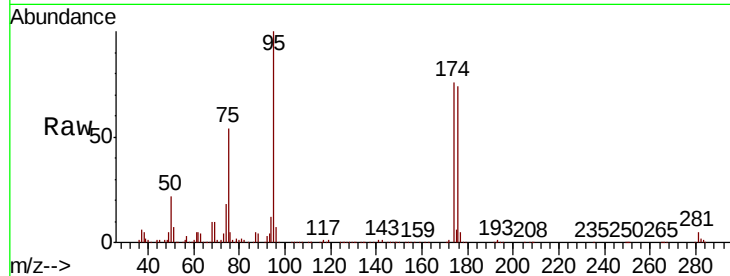




#62
4-Bromofluorobenzene
Concen: 40.851 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012521.D
Acq: 03 Sep 2019 01:57

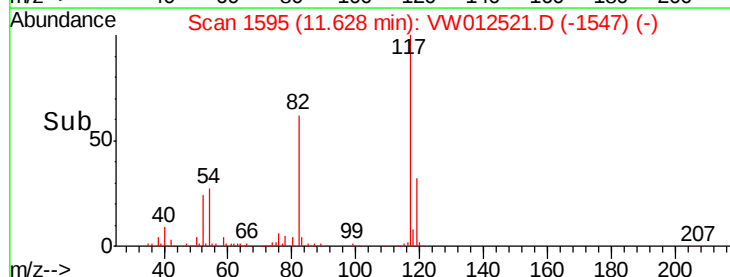
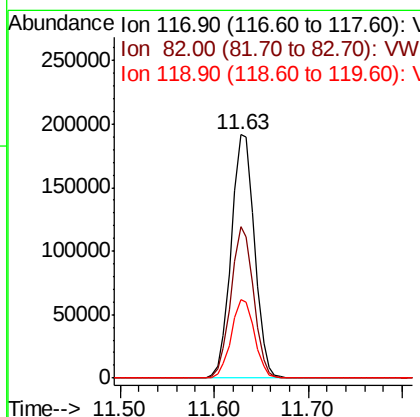
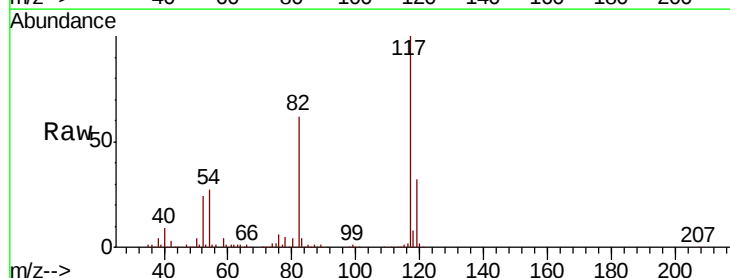
Instrument :
MSVOA_W
ClientSampleId :
T16-17-B2-(2.25)

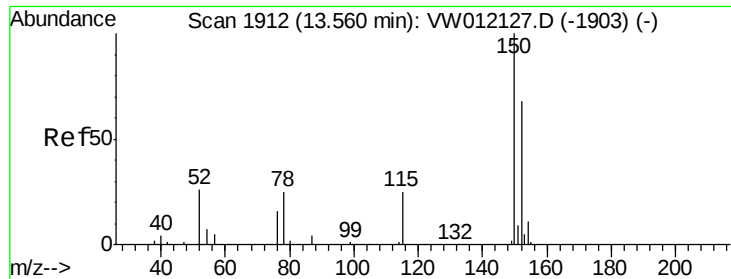
Tgt Ion: 95 Resp: 146331
Ion Ratio Lower Upper
95 100
174 78.9 0.0 150.8
176 75.2 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012521.D
Acq: 03 Sep 2019 01:57

Tgt Ion: 117 Resp: 329583
Ion Ratio Lower Upper
117 100
82 62.0 47.4 71.2
119 32.2 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: VW012521.D

Acq: 03 Sep 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B2-(2.25)

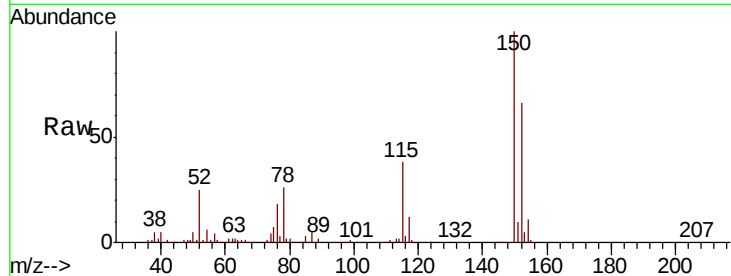
Tgt Ion:152 Resp: 115821

Ion Ratio Lower Upper

152 100

115 59.6 30.1 90.3

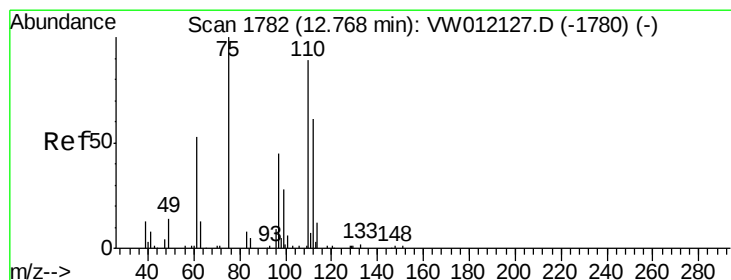
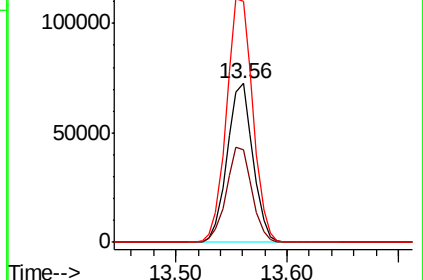
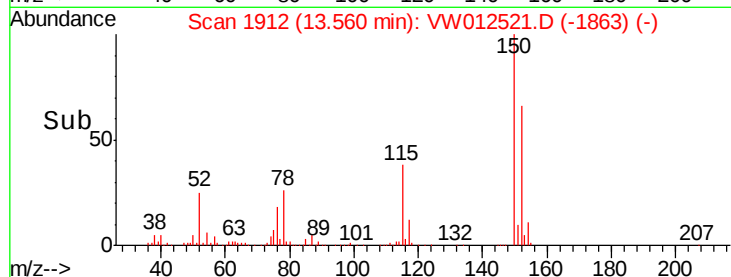
150 156.7 0.0 345.8



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: 69.355 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012521.D

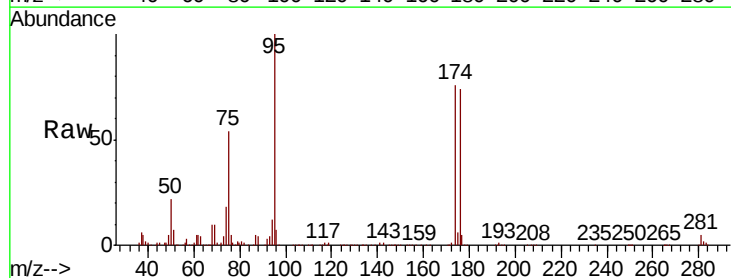
Acq: 03 Sep 2019 01:57

Tgt Ion: 75 Resp: 78233

Ion Ratio Lower Upper

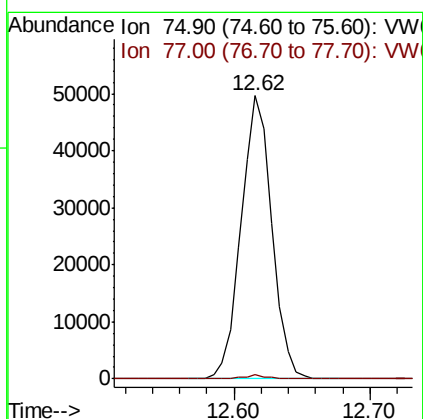
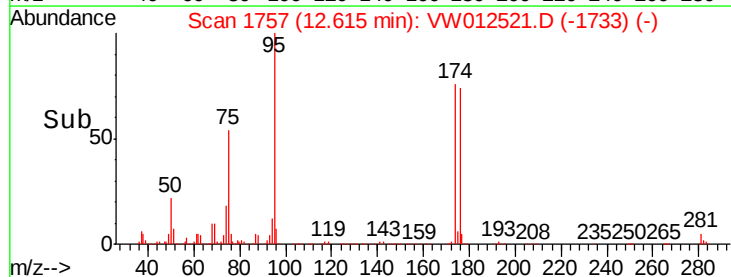
75 100

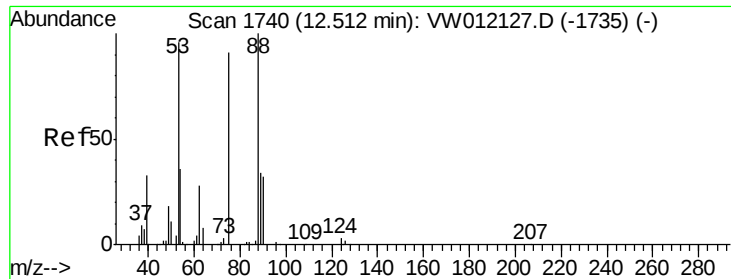
77 1.1 0.0 0.0#



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: 152.063 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012521.D

Acq: 03 Sep 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B2-(2.25)

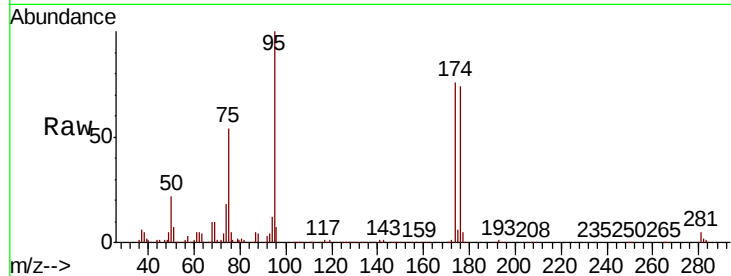
Tgt Ion: 75 Resp: 78233

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

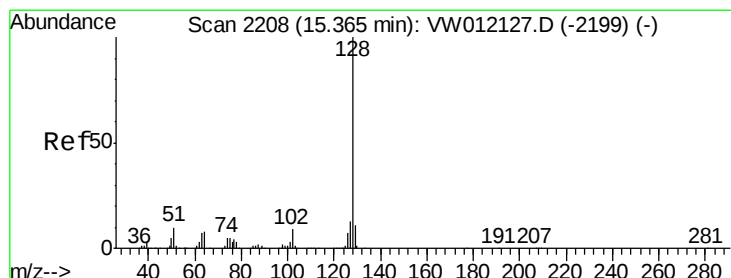
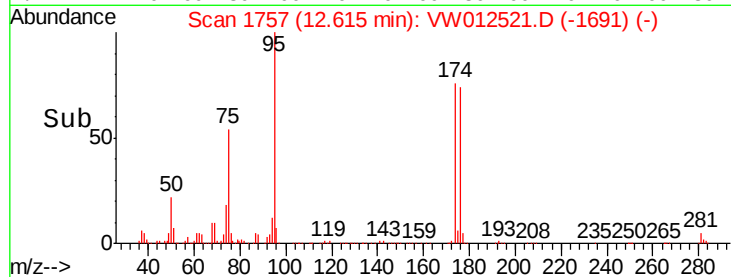
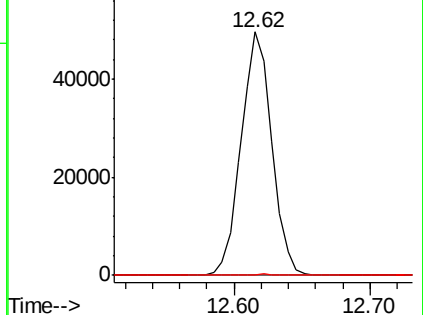
89 0.1 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 4.392 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012521.D

Acq: 03 Sep 2019 01:57

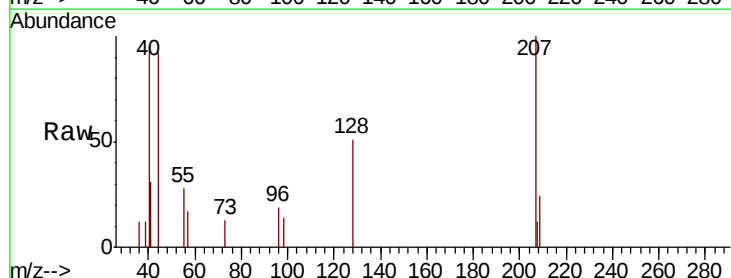
Tgt Ion: 128 Resp: 339

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

