

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
 Data File : VW012565.D
 Acq On : 04 Sep 2019 00:32
 Operator : SY/VA
 Sample : K4544-08RE
 Misc : 6.48G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-B3-(2.25)RE

Quant Time: Sep 04 06:52:13 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	49511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	67139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	35372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	6480	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	30312	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
35) Dibromofluoromethane	7.88	113	24797	61.88	ug/l	0.00
Spiked Amount			Recovery	=	123.76%	
50) Toluene-d8	10.32	98	73089	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	
62) 4-Bromofluorobenzene	12.62	95	10295	17.97	ug/l	0.00
Spiked Amount			Recovery	=	35.94%	

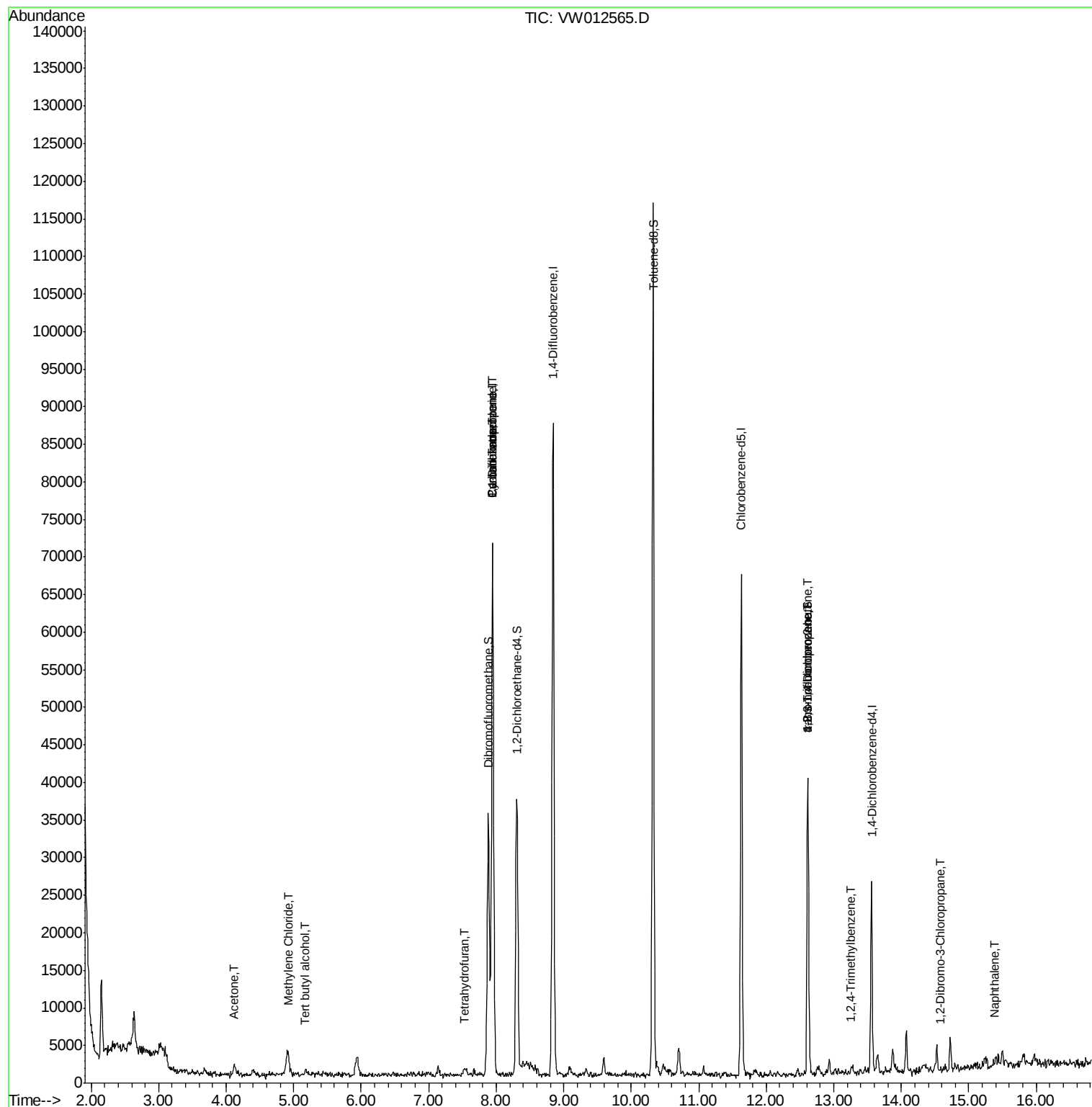
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	110	3.106	ug/l #	71
16) Acetone	4.12	43	2398	15.939	ug/l #	84
20) Methylene Chloride	4.92	84	1688	2.968	ug/l #	71
29) Tetrahydrofuran	7.54	42	616	5.022	ug/l	97
31) Cyclohexane	7.95	56	1696	1.600	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	4630	6.673	ug/l #	50
38) Carbon Tetrachloride	7.95	117	5251	8.744	ug/l #	20
76) 1,2,3-Trichloropropane	12.62	75	5862	92.885	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	5862	203.653	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.26	105	421	1.033	ug/l	84
92) 1,2-Dibromo-3-Chloropropan	14.57	75	34	2.266	ug/l #	5
95) Naphthalene	15.38	128	222	5.151	ug/l #	81

(#) = 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

Lab File: VW012565.D

Acq: 04 Sep 2019 00:32

Instrument :

MSVOA_W

ClientSampleId :

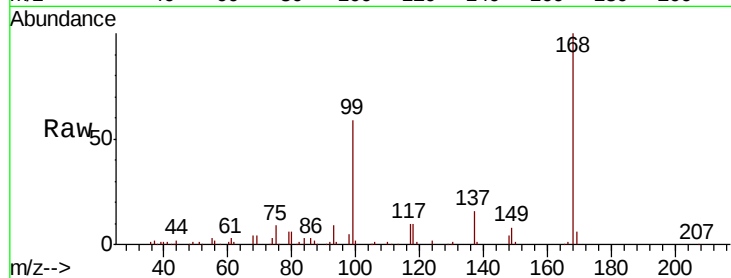
T16-17-B3-(2.25)RE

Tgt Ion:168 Resp: 49511

Ion Ratio Lower Upper

168 100

99 59.1 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

25000

20000

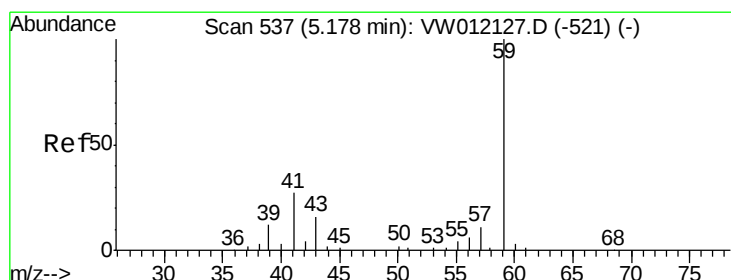
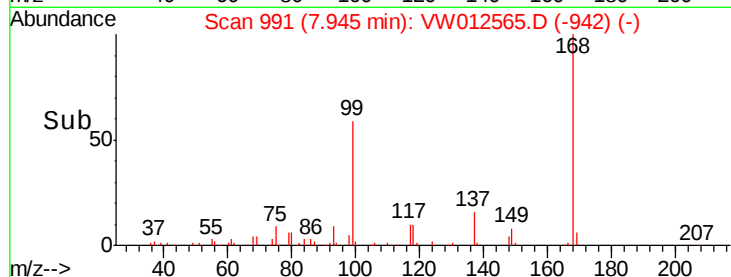
15000

10000

5000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 3.106 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW012565.D

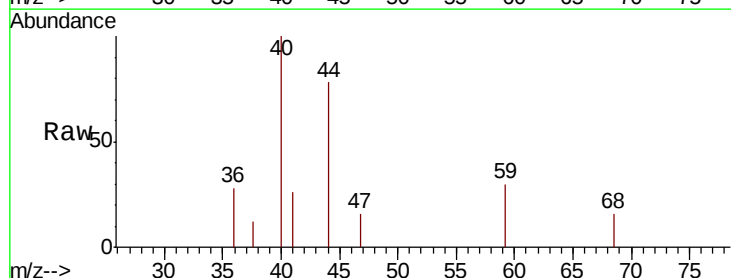
Acq: 04 Sep 2019 00:32

Tgt Ion: 59 Resp: 110

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

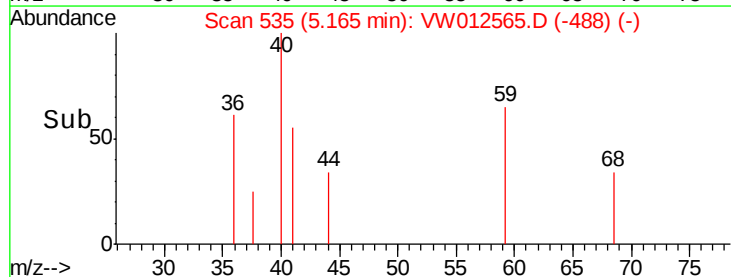
150

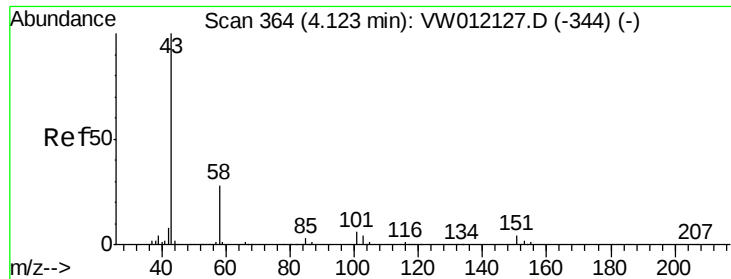
100

50

0

Time--> 5.15 5.16 5.17

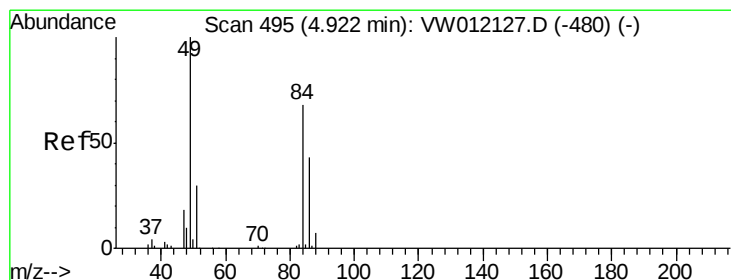
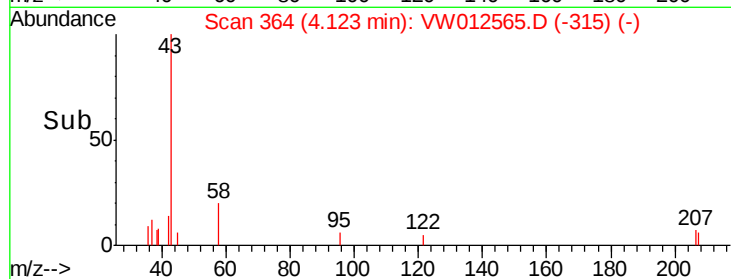
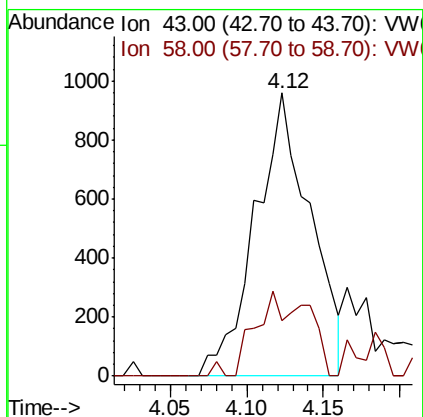
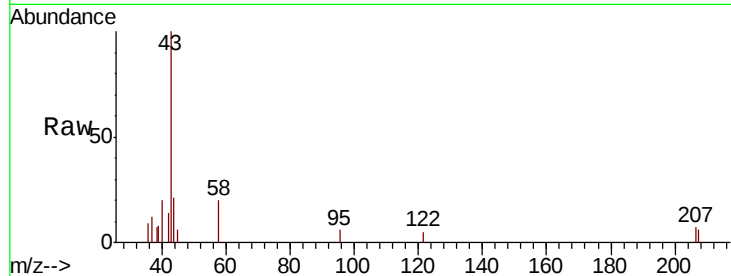




#16
Acetone
Concen: 15.939 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW012565.D
Acq: 04 Sep 2019 00:32

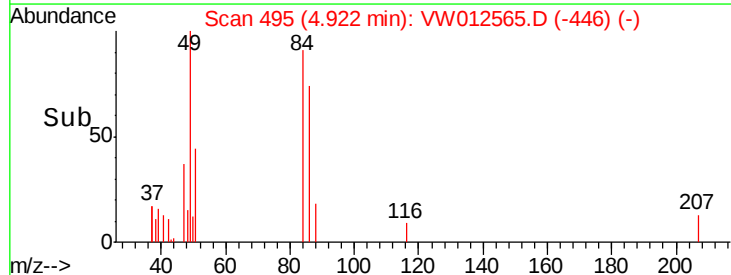
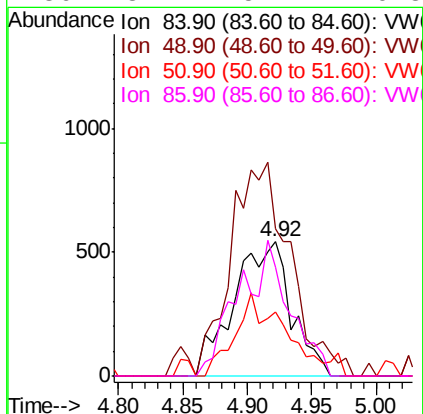
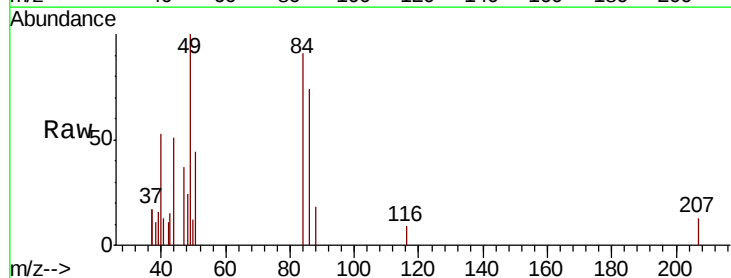
Instrument :
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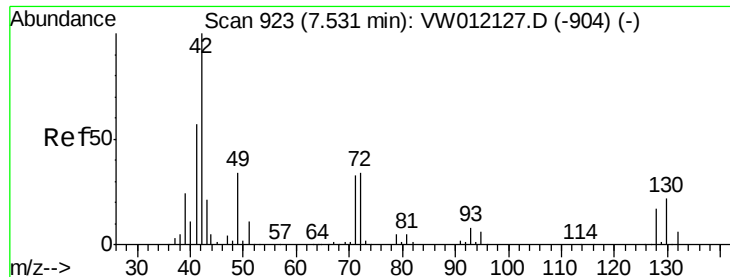
Tgt Ion: 43 Resp: 2398
Ion Ratio Lower Upper
43 100
58 19.7 22.4 33.6#



#20
Methylene Chloride
Concen: 2.968 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012565.D
Acq: 04 Sep 2019 00:32

Tgt Ion: 84 Resp: 1688
Ion Ratio Lower Upper
84 100
49 100.9 117.8 176.8#
51 36.4 35.6 53.4
86 81.1 51.2 76.8#





#29

Tetrahydrofuran

Concen: 5.022 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012565.D

Acq: 04 Sep 2019 00:32

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B3-(2.25)RE

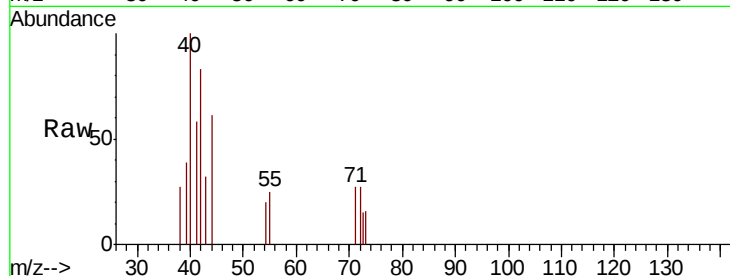
Tgt Ion: 42 Resp: 616

Ion Ratio Lower Upper

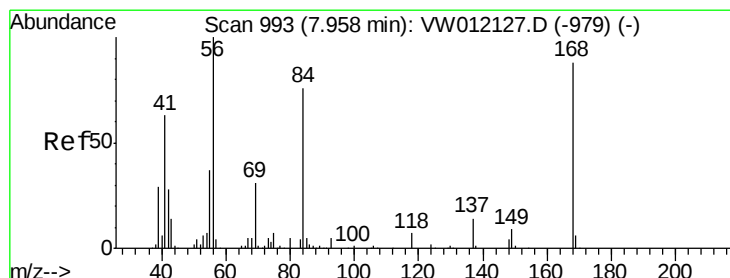
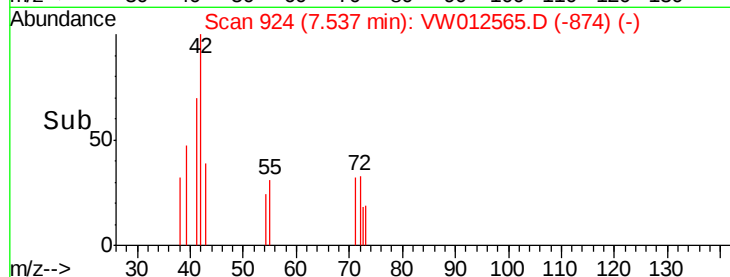
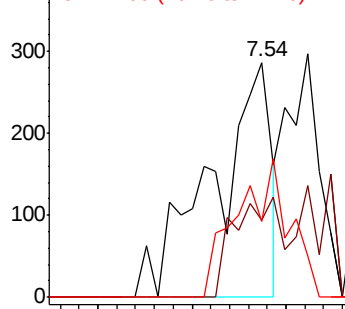
42 100

72 33.8 27.3 40.9

71 29.2 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: 1.600 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012565.D

Acq: 04 Sep 2019 00:32

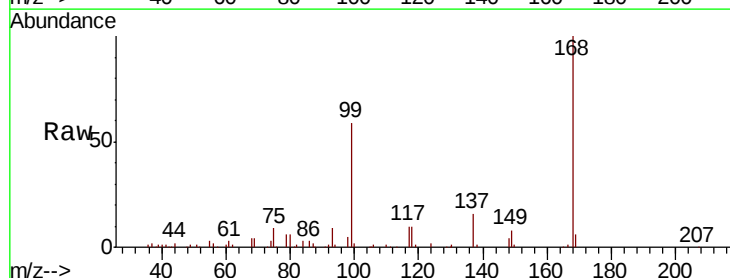
Tgt Ion: 56 Resp: 1696

Ion Ratio Lower Upper

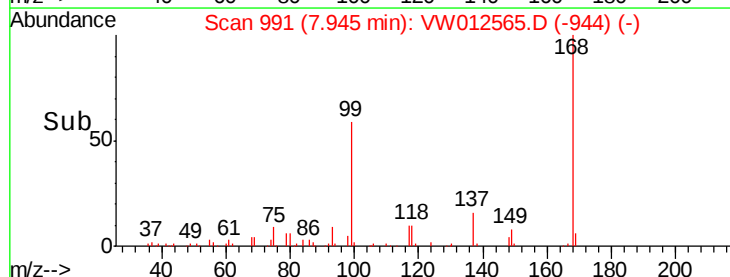
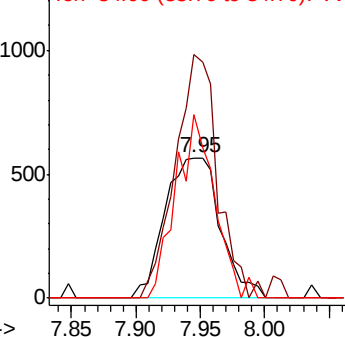
56 100

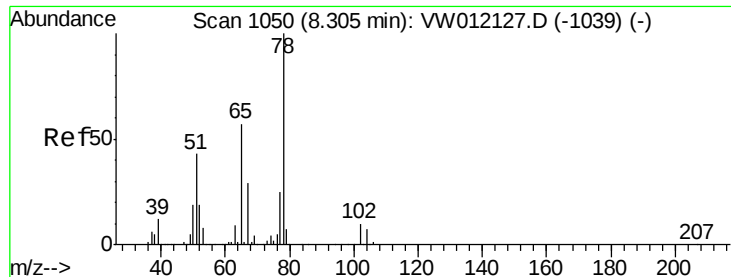
69 173.4 24.9 37.3#

84 131.0 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

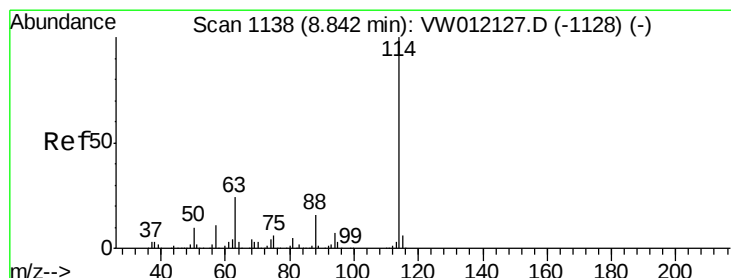
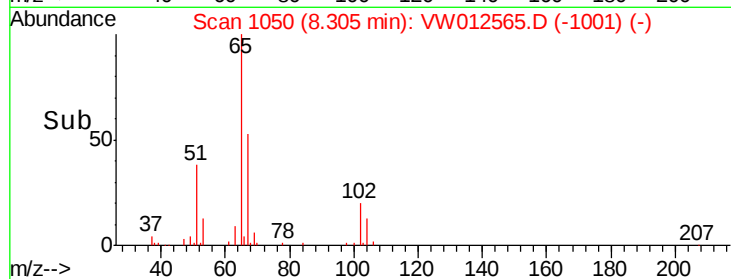
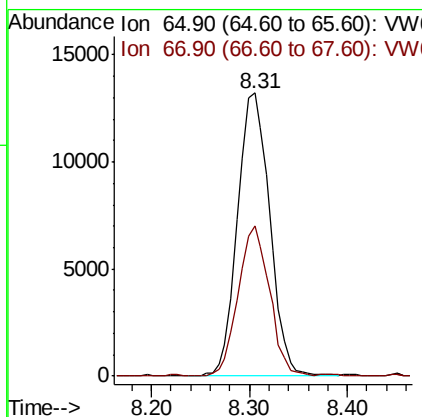
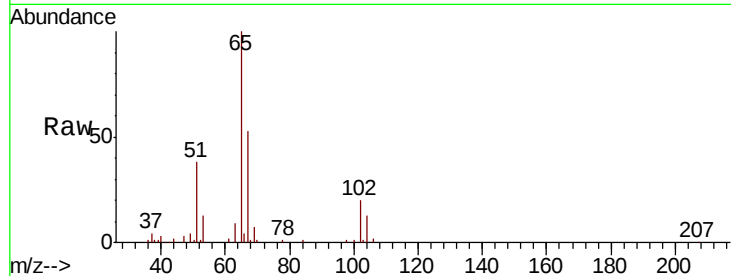




#33
 1,2-Dichloroethane-d4
 Concen: 51.502 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012565.D
 Acq: 04 Sep 2019 00:32

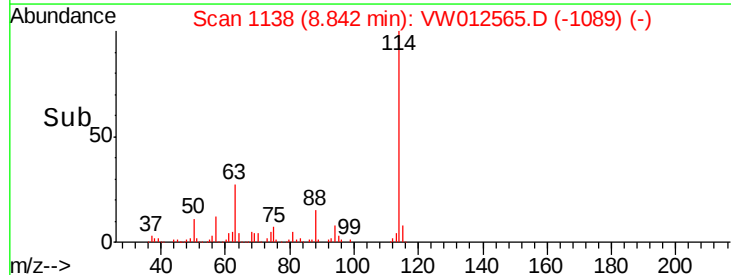
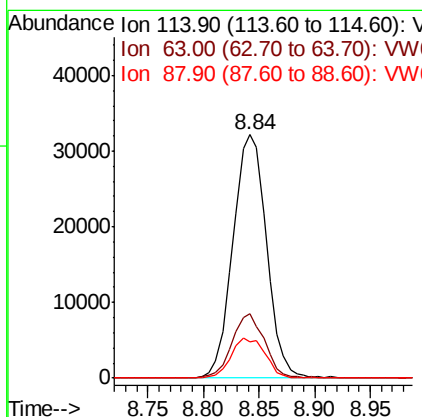
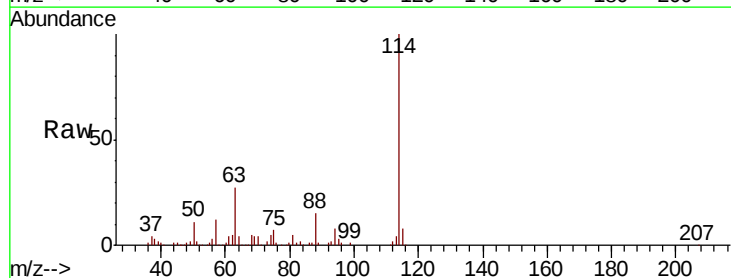
Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-B3-(2.25)RE

Tgt Ion: 65 Resp: 30312
 Ion Ratio Lower Upper
 65 100
 67 51.5 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: VW012565.D
 Acq: 04 Sep 2019 00:32

Tgt Ion: 114 Resp: 67139
 Ion Ratio Lower Upper
 114 100
 63 26.7 0.0 48.6
 88 15.0 0.0 32.2

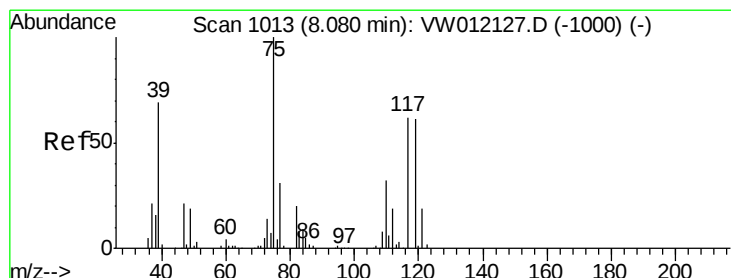
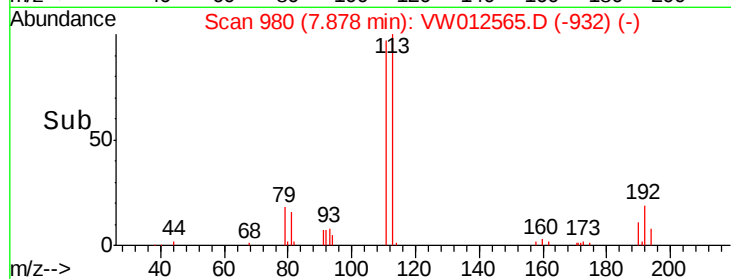
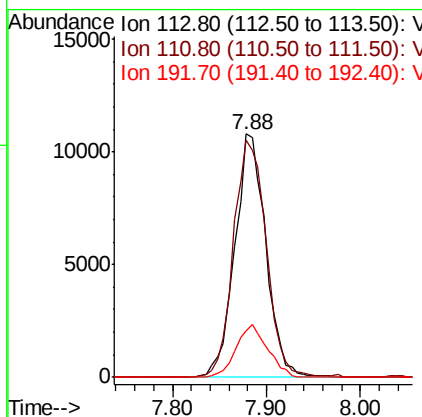
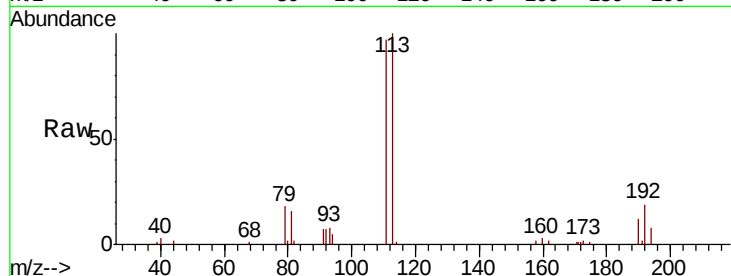




#35
 Dibromofluoromethane
 Concen: 61.876 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012565.D
 Acq: 04 Sep 2019 00:32

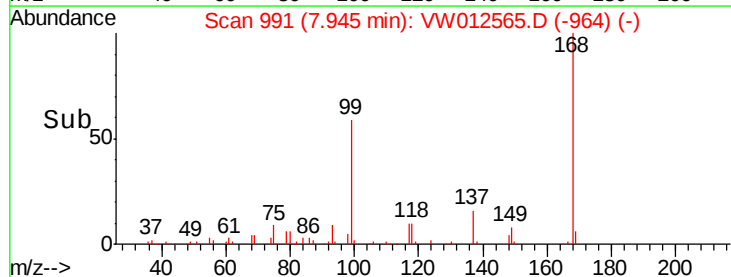
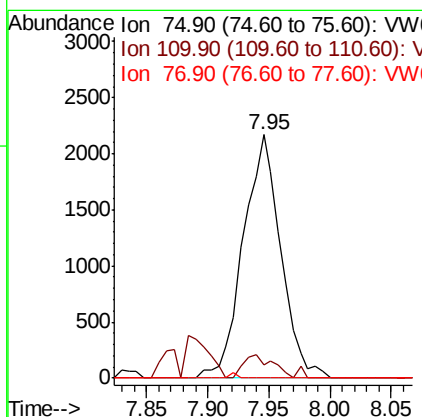
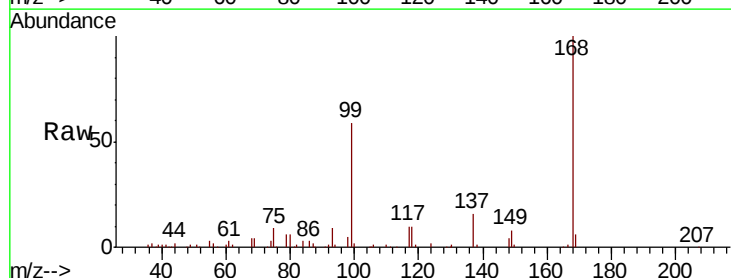
Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-B3-(2.25)RE

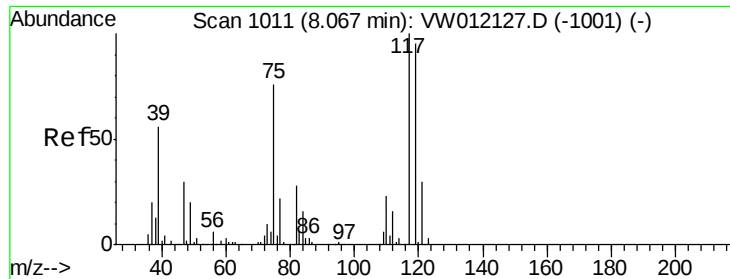
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.7	124.1
192	22.1	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 6.673 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012565.D
 Acq: 04 Sep 2019 00:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	15.6	46.8#
77	0.0	24.6	36.8#

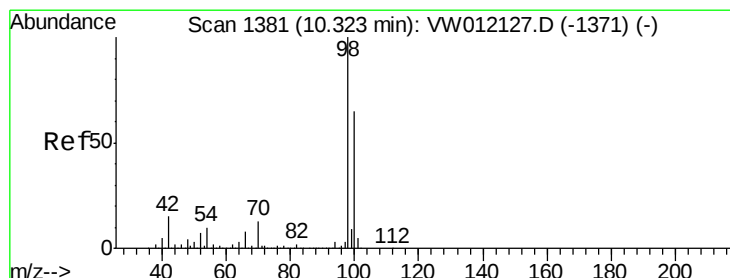
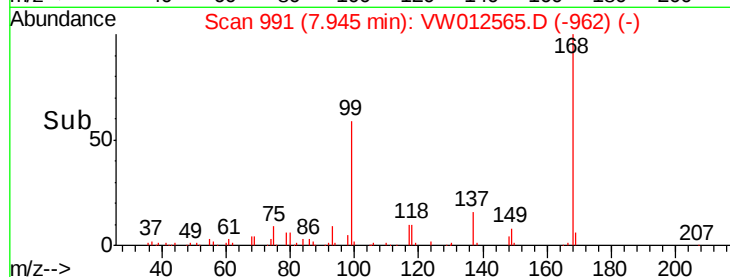
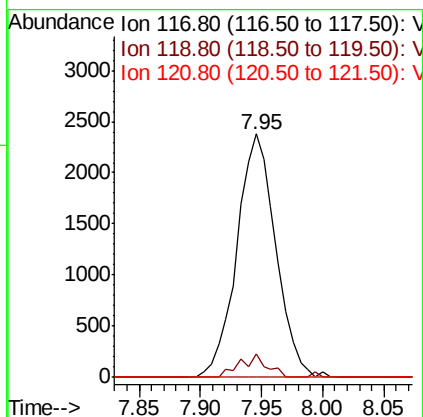
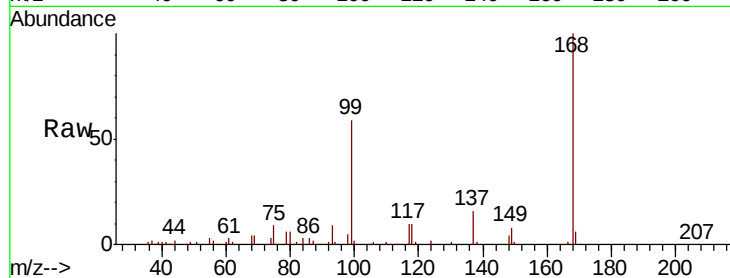




#38
Carbon Tetrachloride
Concen: 8.744 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012565.D
Acq: 04 Sep 2019 00:32

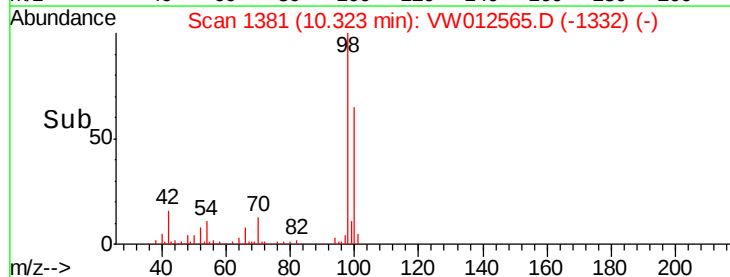
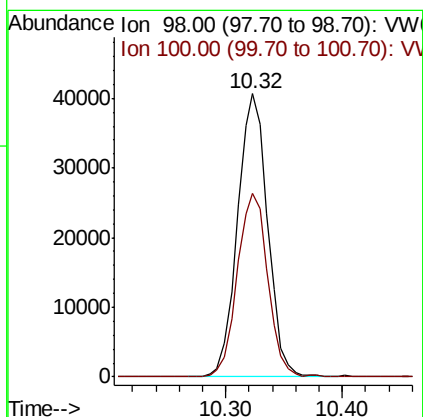
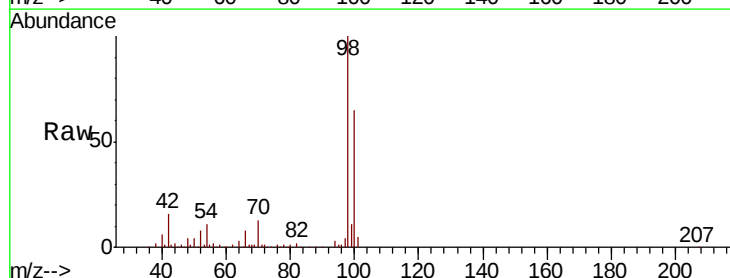
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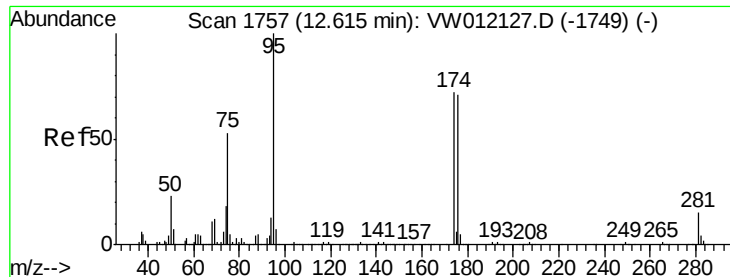
Tgt Ion:117 Resp: 5251
Ion Ratio Lower Upper
117 100
119 9.6 76.2 114.2#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 44.979 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012565.D
Acq: 04 Sep 2019 00:32

Tgt Ion: 98 Resp: 73089
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

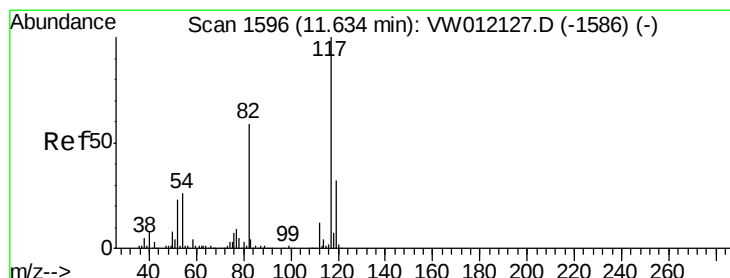
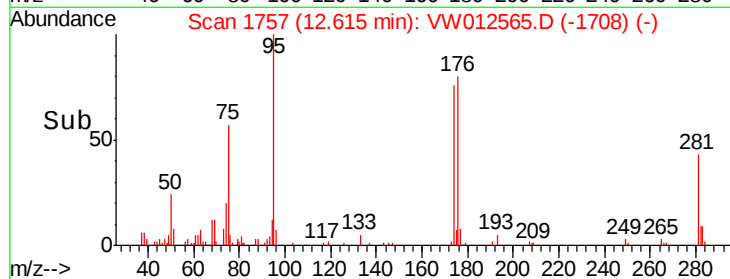
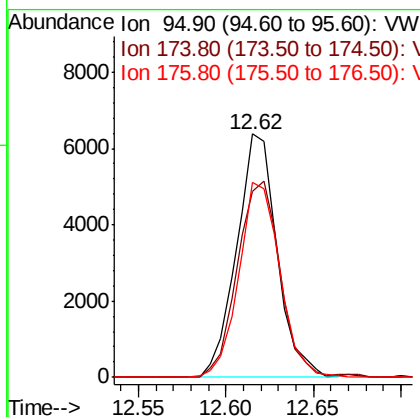
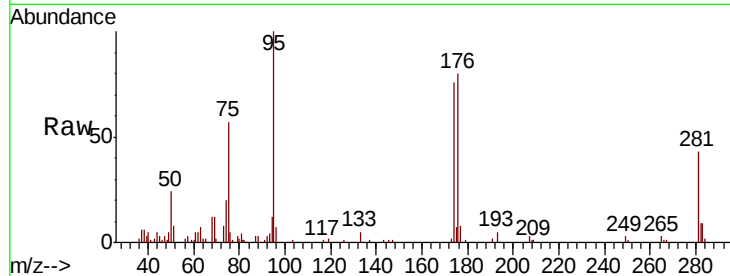




#62
4-Bromofluorobenzene
Concen: 17.973 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012565.D
Acq: 04 Sep 2019 00:32

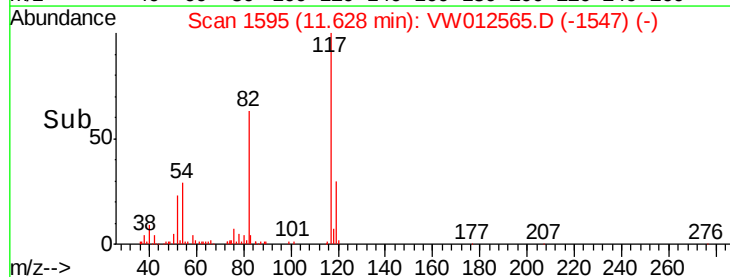
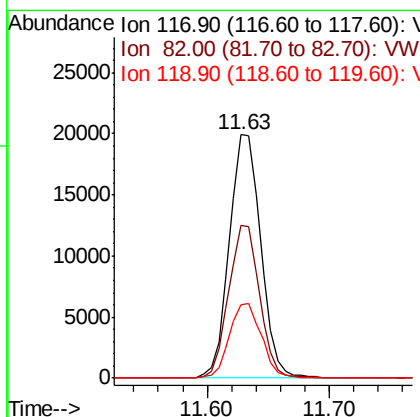
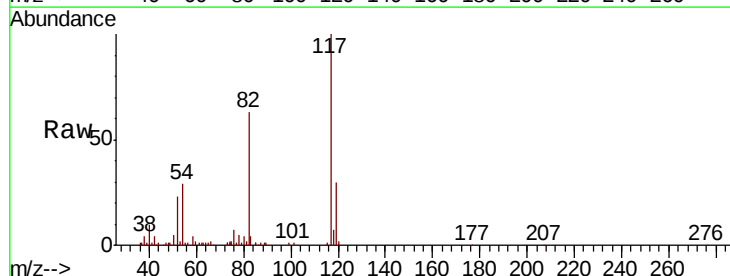
Instrument :
MSVOA_W
ClientSampleId :
T16-17-B3-(2.25)RE

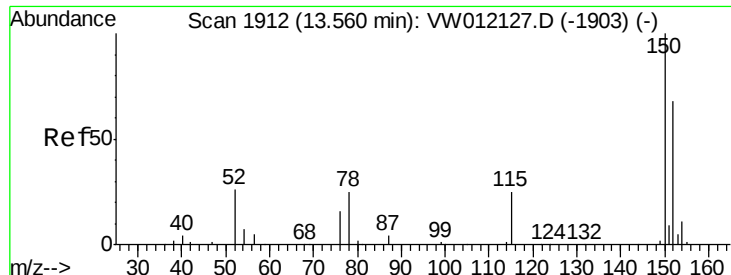
Tgt Ion	Resp	Ion Ratio	Lower	Upper
95	10295	100		
174	85.8		0.0	150.8
176	81.3		0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012565.D
Acq: 04 Sep 2019 00:32

Tgt Ion	Resp	Ion Ratio	Lower	Upper
117	35372	100		
82	63.0		47.4	71.2
119	30.0		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: VW012565.D

Acq: 04 Sep 2019 00:32

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B3-(2.25)RE

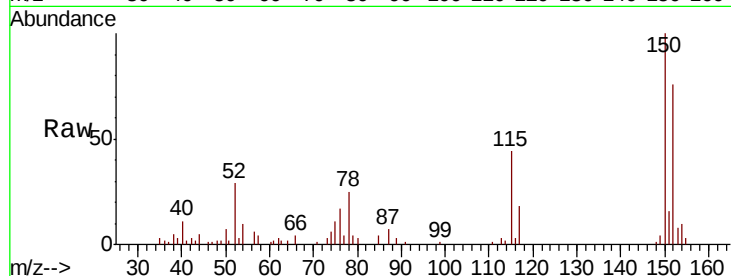
Tgt Ion:152 Resp: 6480

Ion Ratio Lower Upper

152 100

115 60.1 30.1 90.3

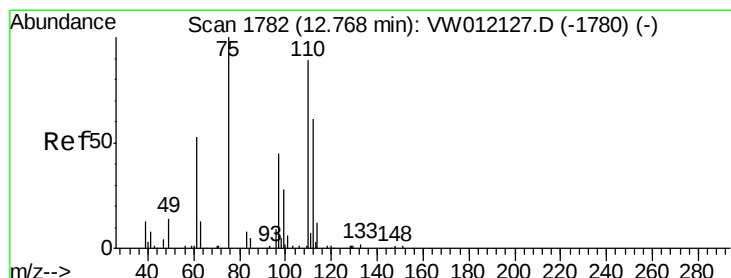
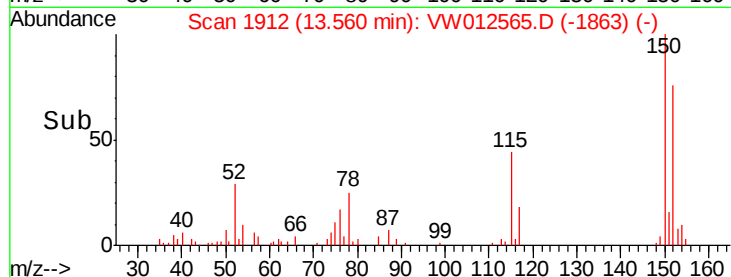
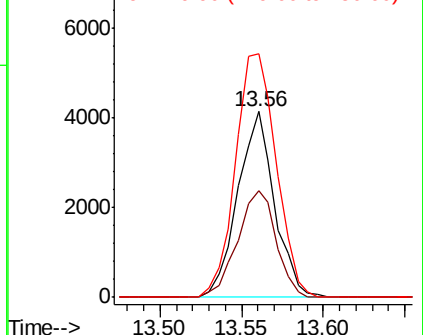
150 145.4 0.0 345.8



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: 92.885 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012565.D

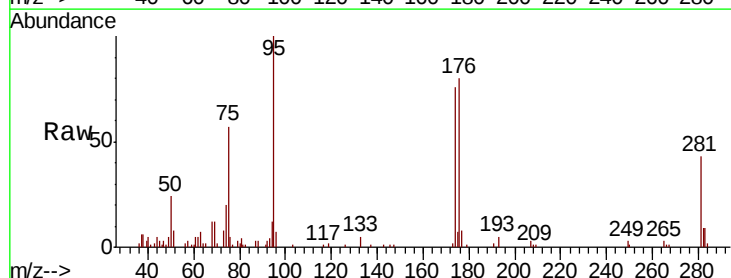
Acq: 04 Sep 2019 00:32

Tgt Ion: 75 Resp: 5862

Ion Ratio Lower Upper

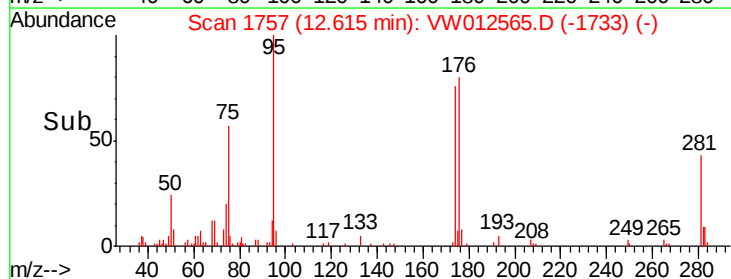
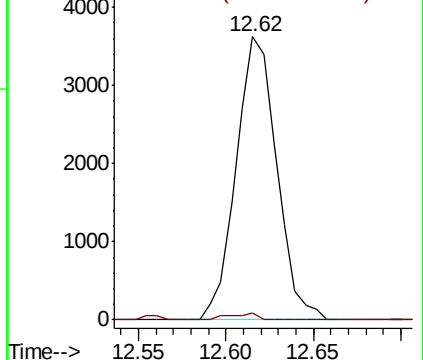
75 100

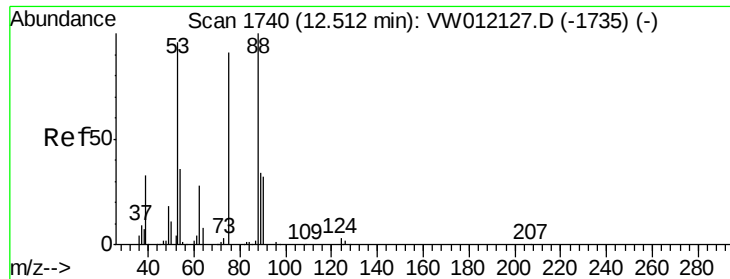
77 1.6 0.0 0.0#



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: 203.653 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012565.D

Acq: 04 Sep 2019 00:32

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B3-(2.25)RE

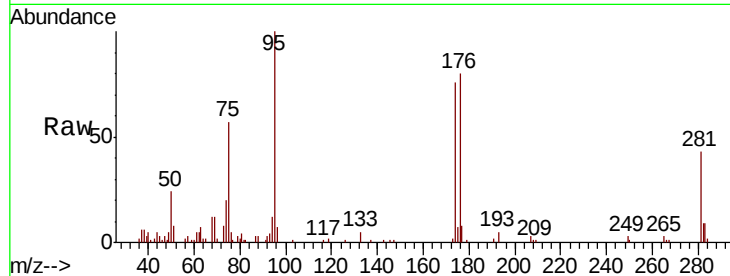
Tgt Ion: 75 Resp: 5862

Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

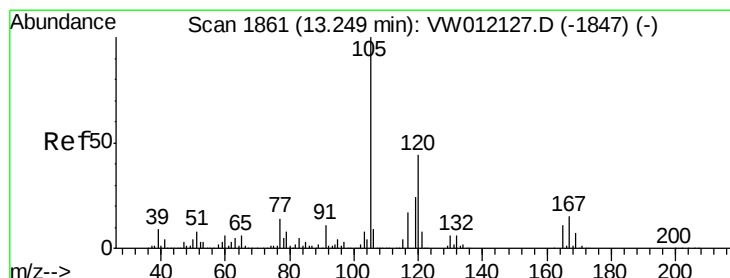
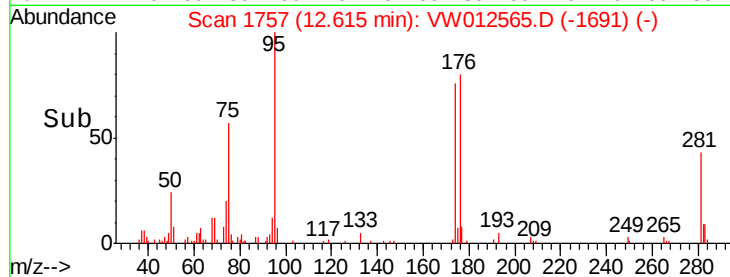
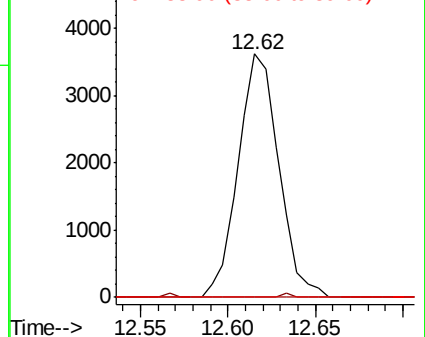
89 0.0 34.5 51.7#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.033 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VW012565.D

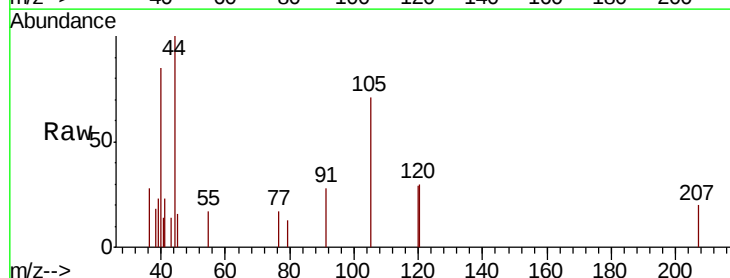
Acq: 04 Sep 2019 00:32

Tgt Ion: 105 Resp: 421

Ion Ratio Lower Upper

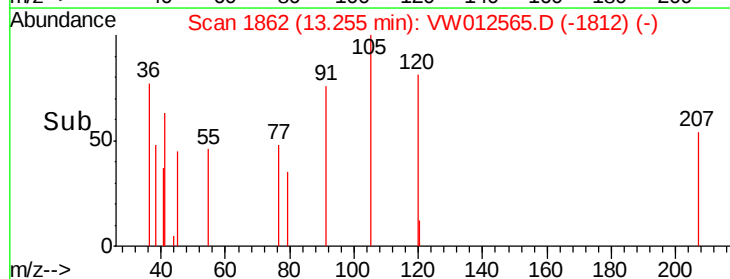
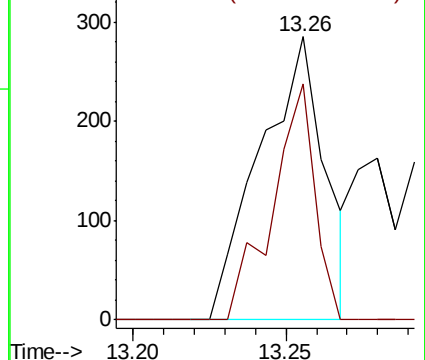
105 100

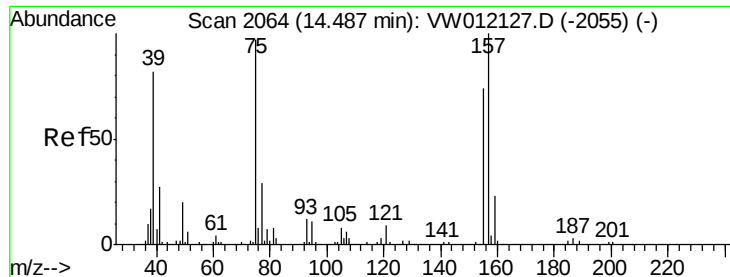
120 54.4 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.266 ug/l

RT: 14.57 min Scan# 2078

Delta R.T. 0.09 min

Lab File: VW012565.D

Acq: 04 Sep 2019 00:32

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B3-(2.25)RE

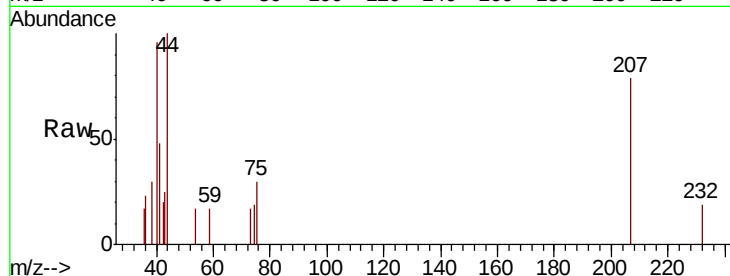
Tgt Ion: 75 Resp: 34

Ion Ratio Lower Upper

75 100

155 0.0 37.5 112.3#

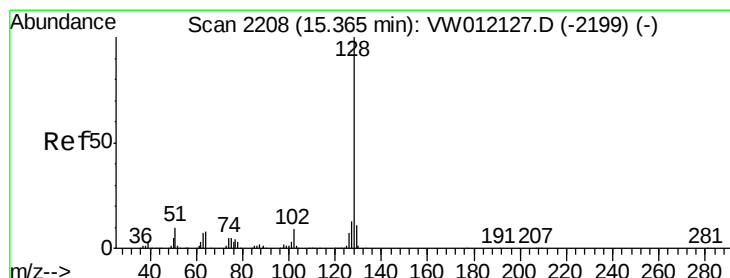
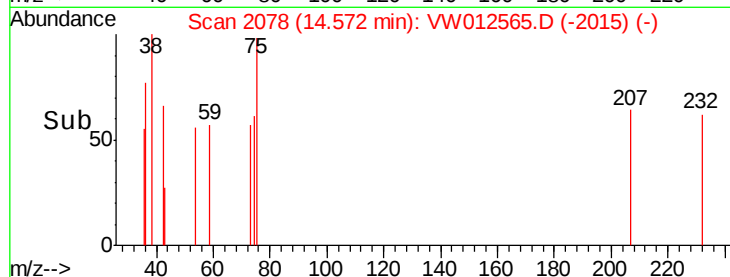
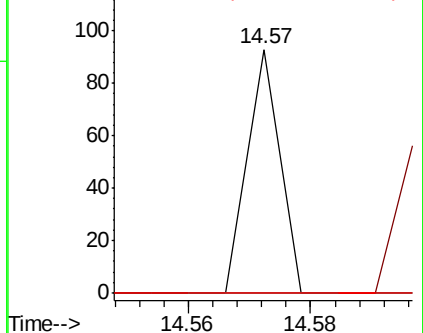
157 0.0 50.5 151.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 5.151 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012565.D

Acq: 04 Sep 2019 00:32

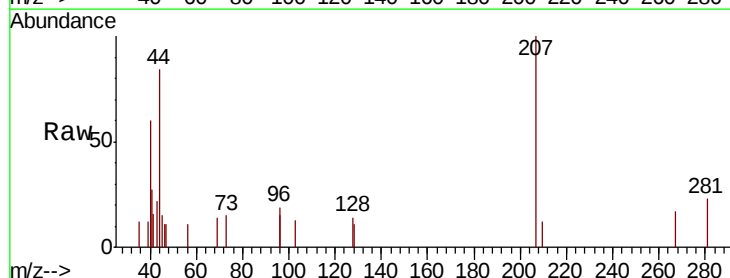
Tgt Ion: 128 Resp: 222

Ion Ratio Lower Upper

128 100

127 9.0 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

