

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
 Data File : VW012569.D
 Acq On : 04 Sep 2019 02:15
 Operator : SY/VA
 Sample : K4544-18
 Misc : 2.88G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C4-(2.25)

Quant Time: Sep 04 06:52:58 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	248394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	411408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	108898	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	166801	56.49	ug/l	0.00
Spiked Amount			Recovery	=	112.98%	
35) Dibromofluoromethane	7.88	113	127434	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
50) Toluene-d8	10.32	98	492367	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.62	95	141224	40.24	ug/l	0.00
Spiked Amount			Recovery	=	80.48%	

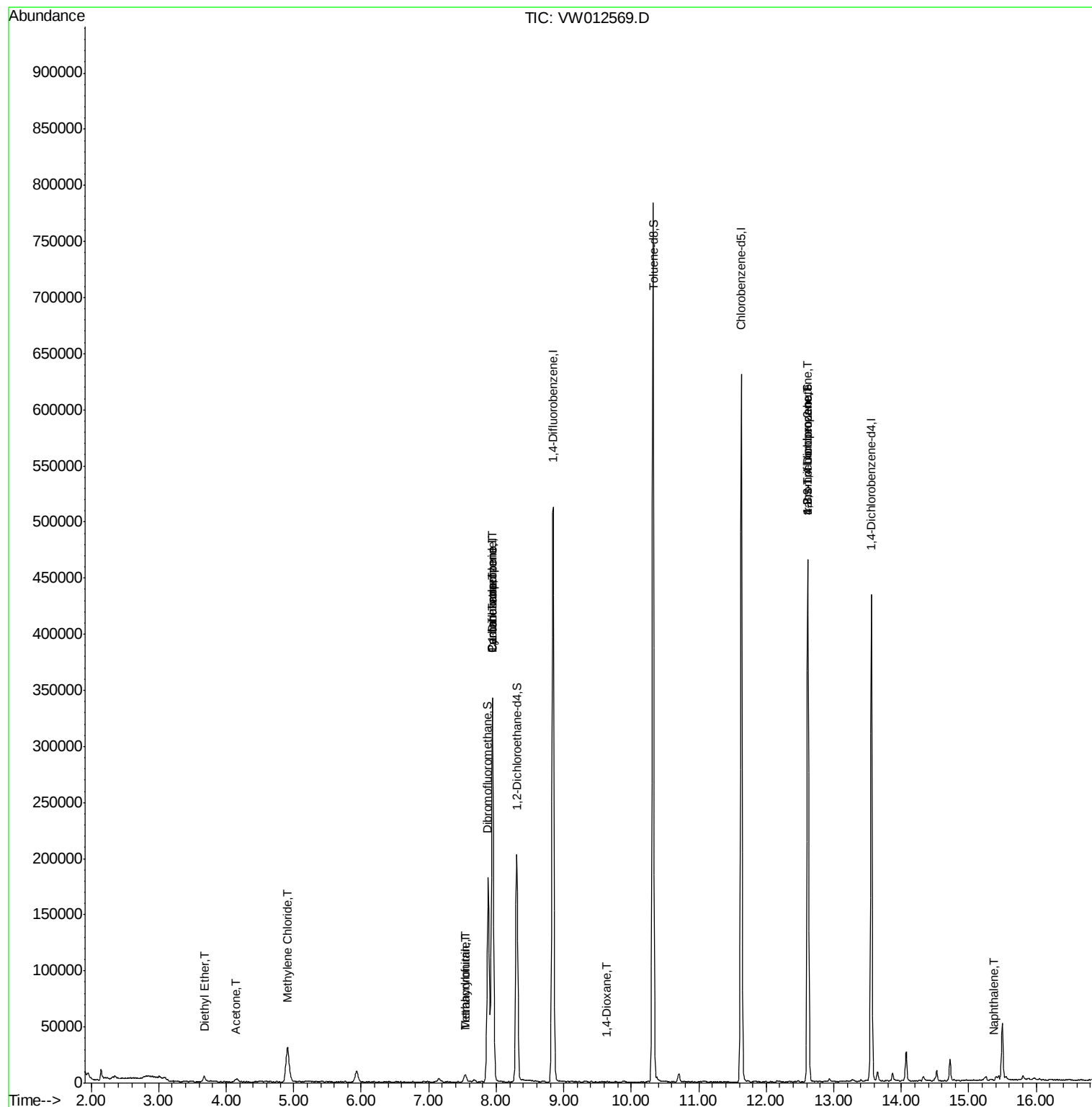
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2327	1.683	ug/l	80
16) Acetone	4.14	43	6071	8.043	ug/l	94
20) Methylene Chloride	4.92	84	23112	8.100	ug/l	91
29) Tetrahydrofuran	7.54	42	6195	10.067	ug/l	99
31) Cyclohexane	7.95	56	6640	1.248	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	21119	4.968	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25359	6.892	ug/l #	17
41) Methacrylonitrile	7.53	41	4090	2.987	ug/l #	58
49) 1,4-Dioxane	9.63	88	24	1.128	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	77176	72.767	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77176	159.545	ug/l #	6
95) Naphthalene	15.37	128	386	4.407	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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ClientSampleId :

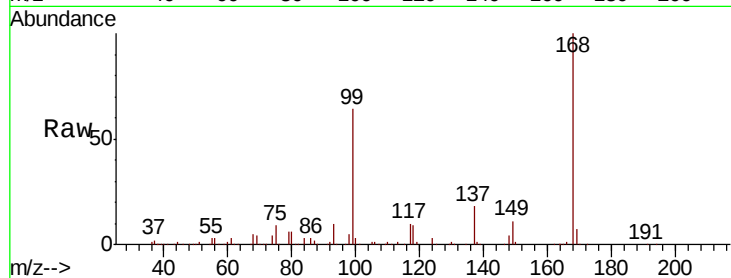
T16-17-C4-(2.25)

Tgt Ion:168 Resp: 248394

Ion Ratio Lower Upper

168 100

99 63.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

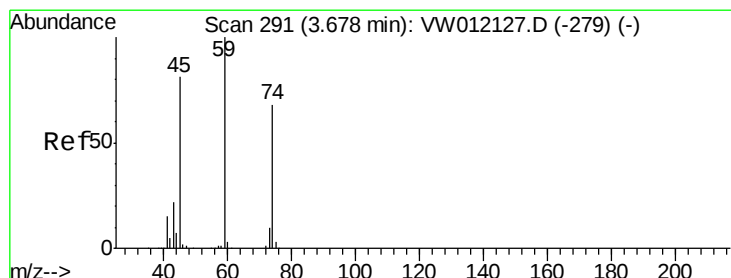
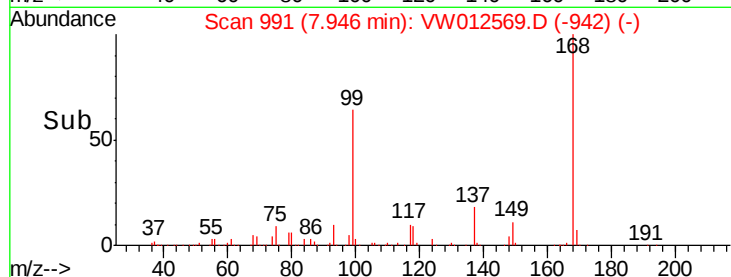
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.683 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012569.D

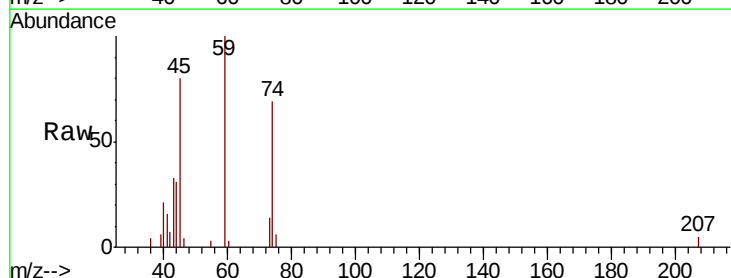
Acq: 04 Sep 2019 02:15

Tgt Ion: 74 Resp: 2327

Ion Ratio Lower Upper

74 100

45 140.3 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

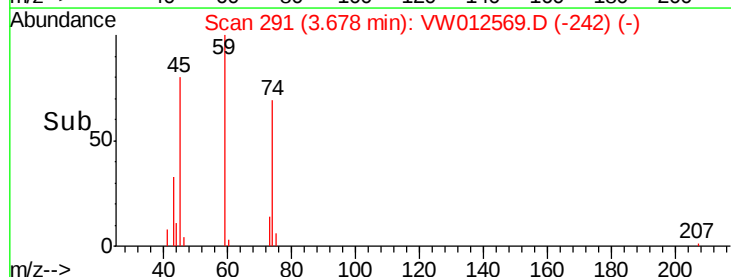
3.68

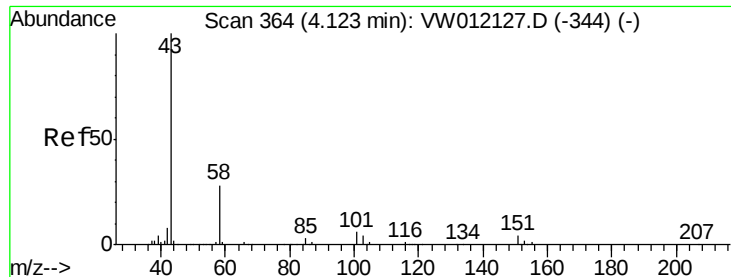
1000

500

0

Time--> 3.60 3.65 3.70 3.75

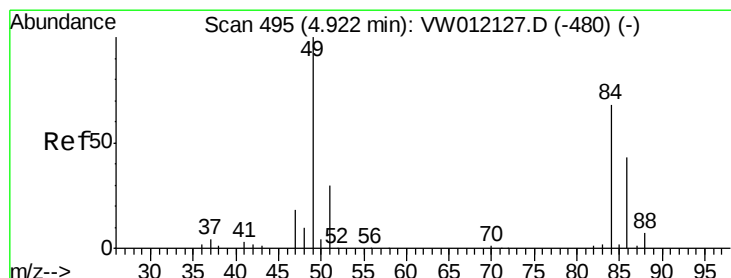
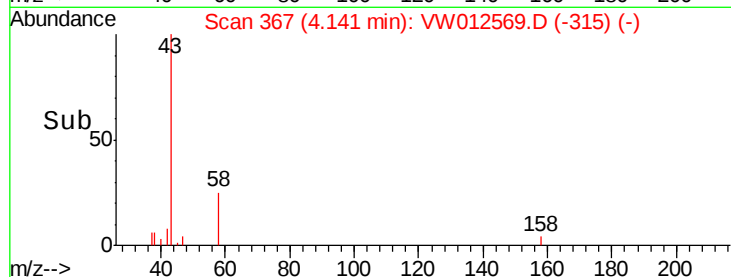
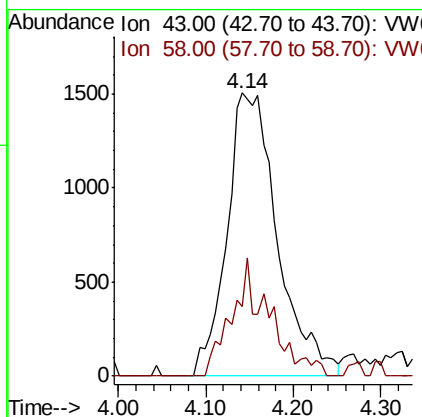
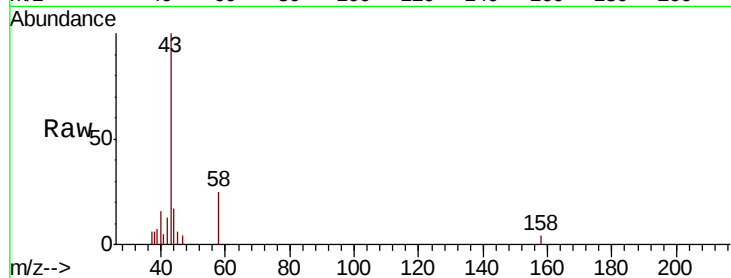




#16
Acetone
Concen: 8.043 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012569.D
Acq: 04 Sep 2019 02:15

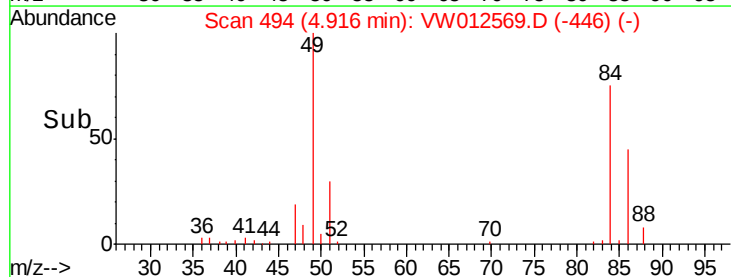
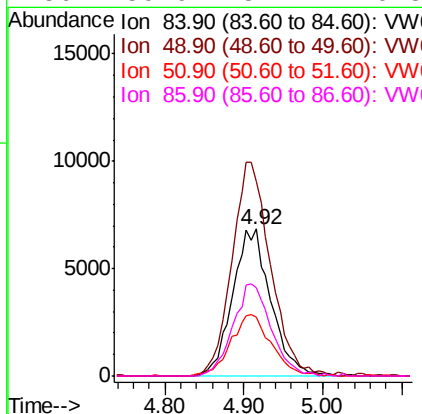
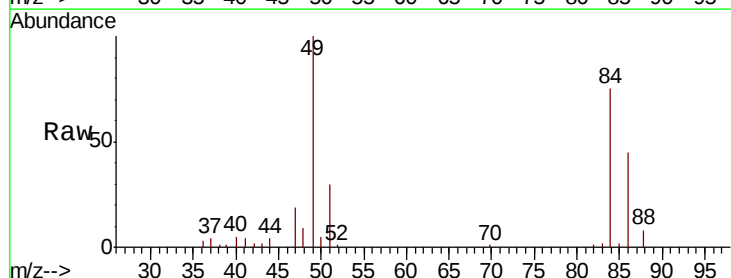
Instrument :
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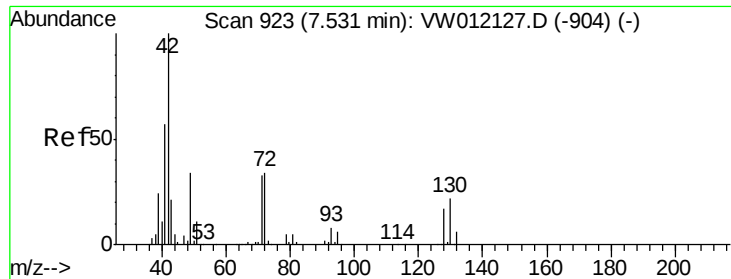
Tgt Ion: 43 Resp: 6071
Ion Ratio Lower Upper
43 100
58 24.7 22.4 33.6



#20
Methylene Chloride
Concen: 8.100 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012569.D
Acq: 04 Sep 2019 02:15

Tgt Ion: 84 Resp: 23112
Ion Ratio Lower Upper
84 100
49 132.7 117.8 176.8
51 40.3 35.6 53.4
86 59.9 51.2 76.8

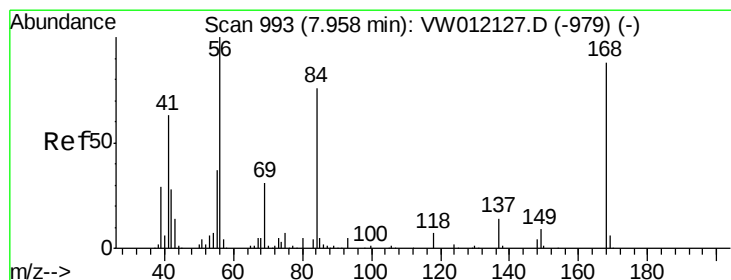
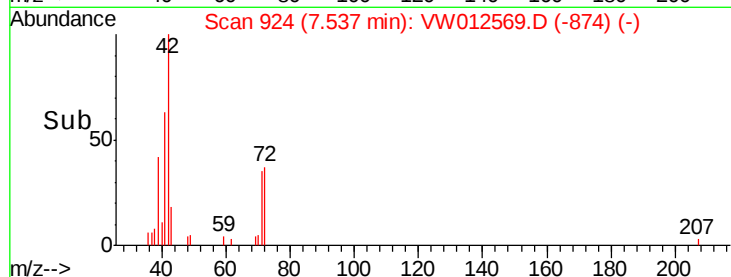
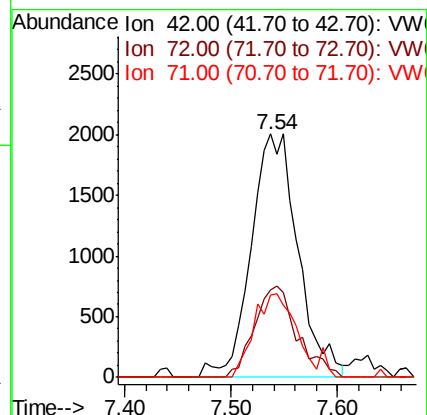
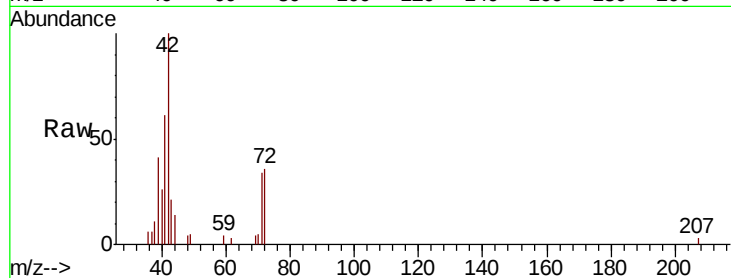




#29
Tetrahydrofuran
Concen: 10.067 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012569.D
Acq: 04 Sep 2019 02:15

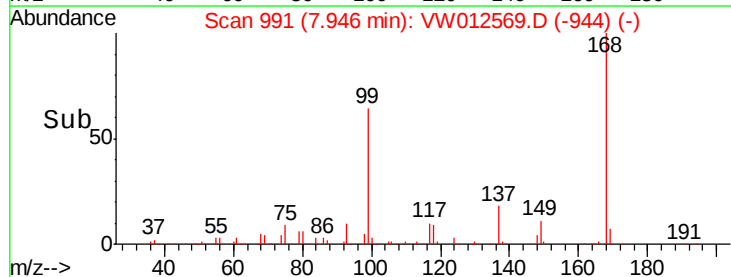
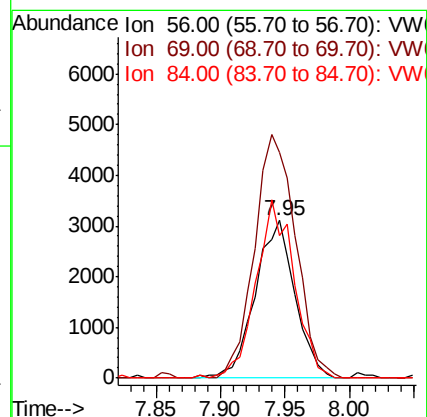
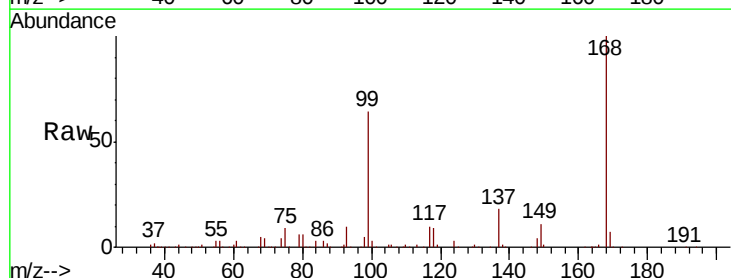
Instrument :
MSVOA_W
ClientSampleId :
T16-17-C4-(2.25)

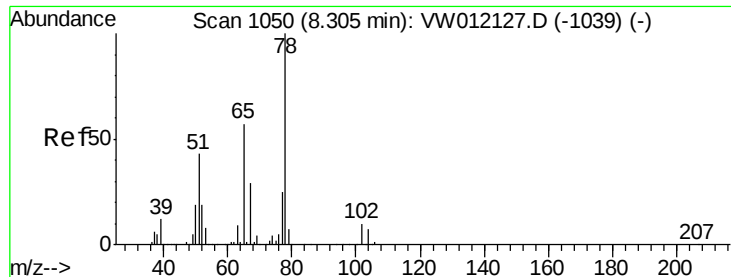
Tgt Ion: 42 Resp: 6195
Ion Ratio Lower Upper
42 100
72 34.0 27.3 40.9
71 30.5 25.5 38.3



#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012569.D
Acq: 04 Sep 2019 02:15

Tgt Ion: 56 Resp: 6640
Ion Ratio Lower Upper
56 100
69 143.4 24.9 37.3#
84 90.8 60.6 90.8

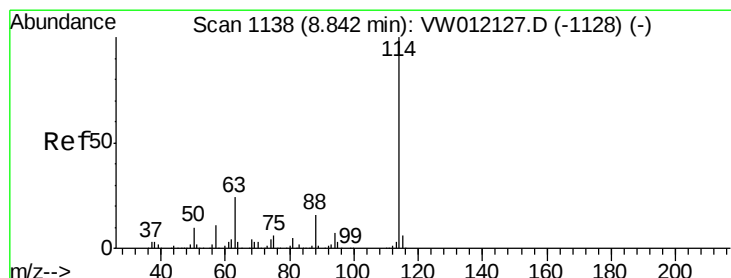
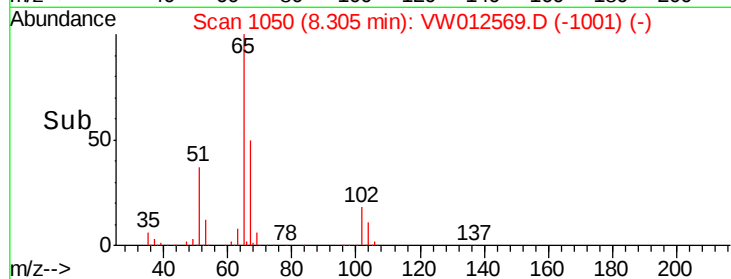
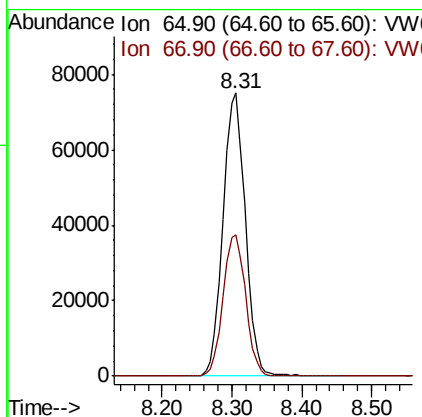
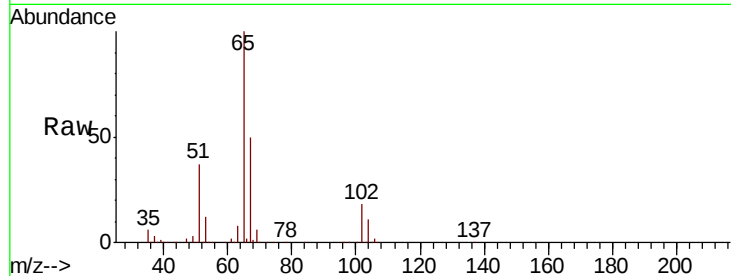




#33
 1,2-Dichloroethane-d4
 Concen: 56.489 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012569.D
 Acq: 04 Sep 2019 02:15

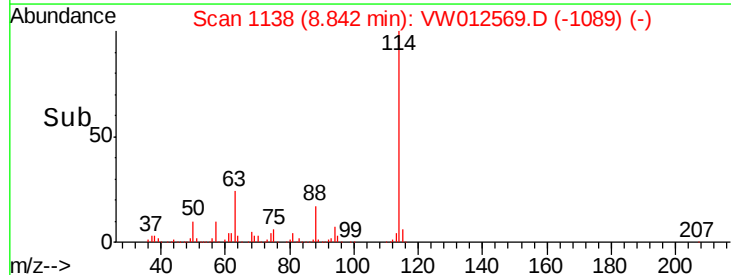
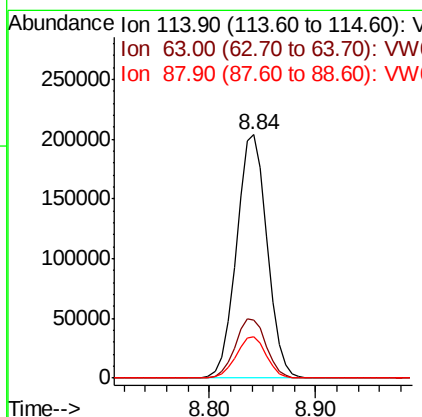
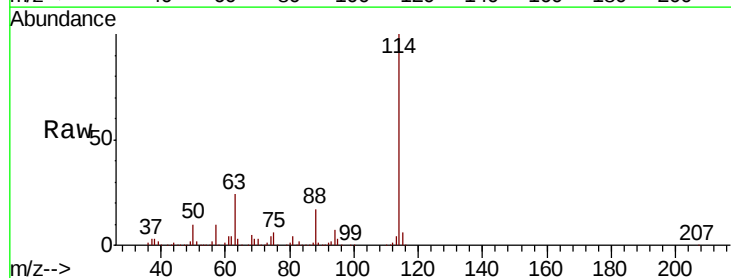
Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C4-(2.25)

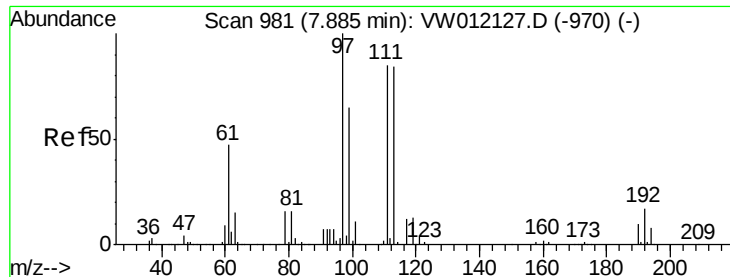
Tgt Ion: 65 Resp: 166801
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012569.D
 Acq: 04 Sep 2019 02:15

Tgt Ion: 114 Resp: 411408
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 48.6
 88 16.9 0.0 32.2

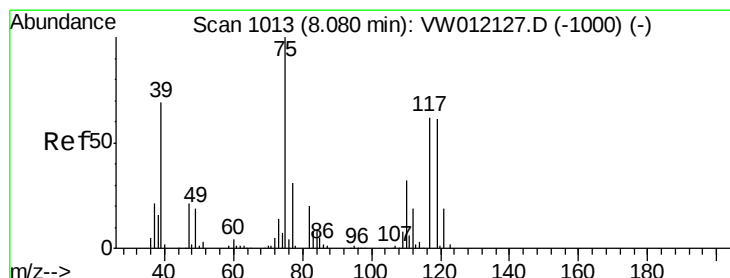
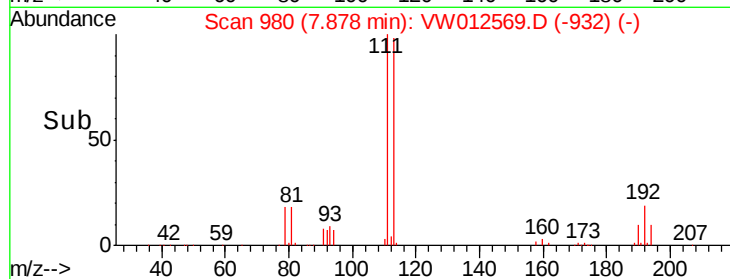
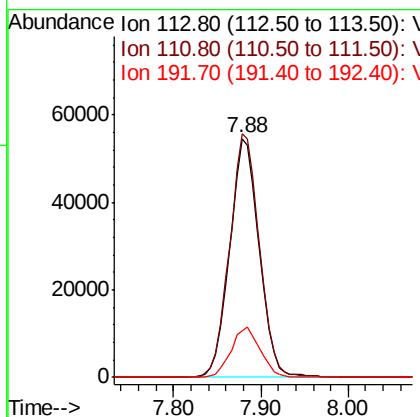
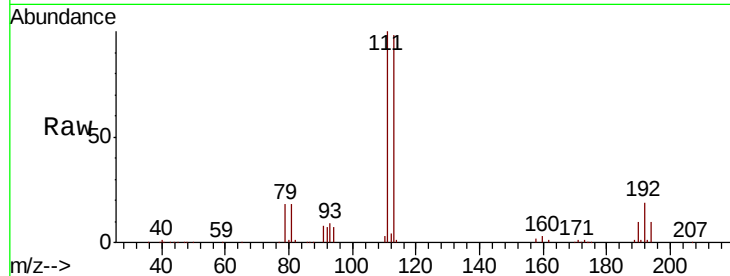




#35
 Dibromofluoromethane
 Concen: 51.893 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012569.D
 Acq: 04 Sep 2019 02:15

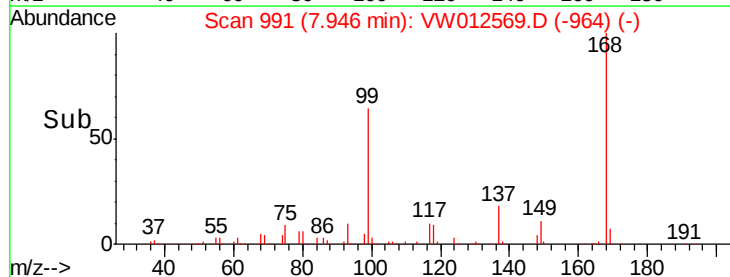
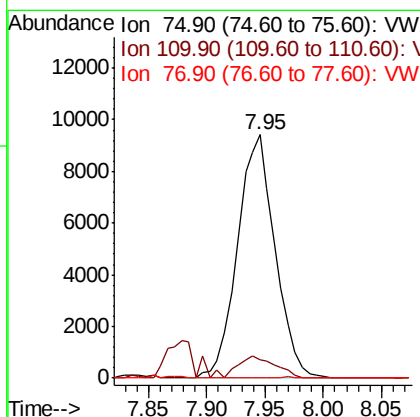
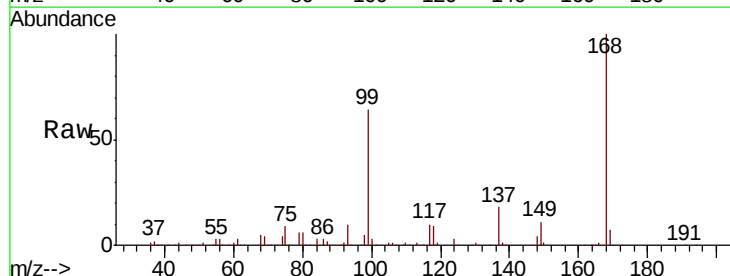
Instrument :
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 ClientSampleId :
 T16-17-C4-(2.25)

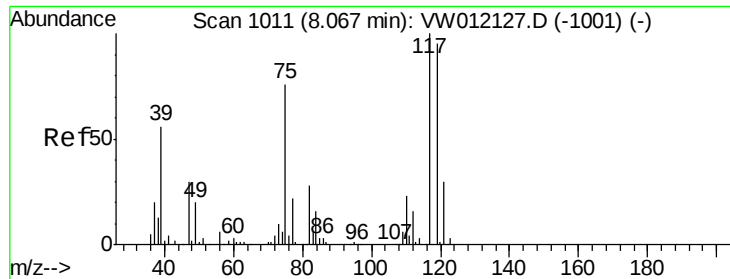
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.7	124.1
192	20.8	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.968 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012569.D
 Acq: 04 Sep 2019 02:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.6	46.8#
77	0.0	24.6	36.8#

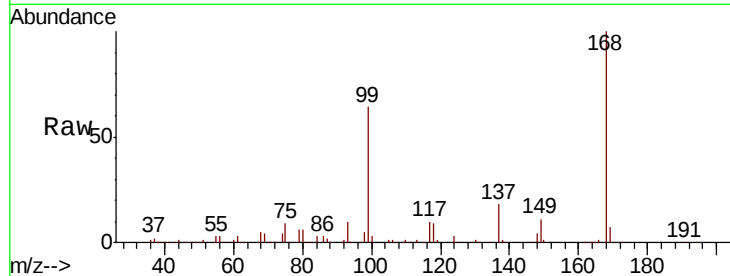




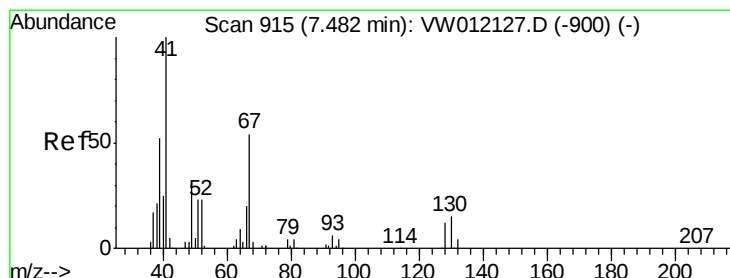
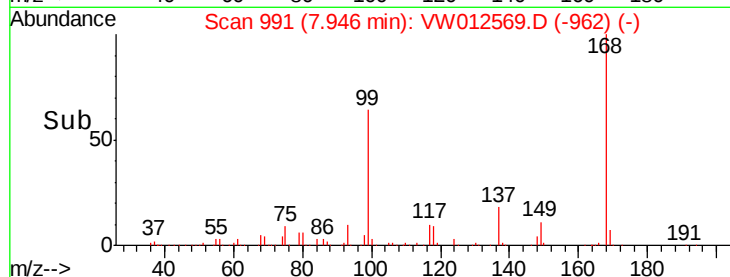
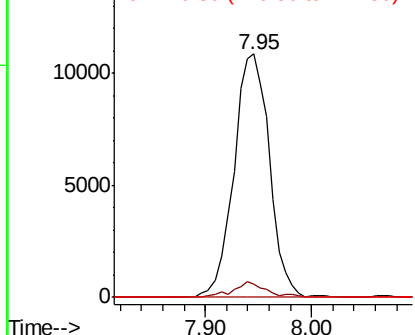
#38
Carbon Tetrachloride
Concen: 6.892 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012569.D
Acq: 04 Sep 2019 02:15

Instrument :
MSVOA_W
ClientSampleId :
T16-17-C4-(2.25)

Tgt Ion:117 Resp: 25359
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 23.8 35.8#

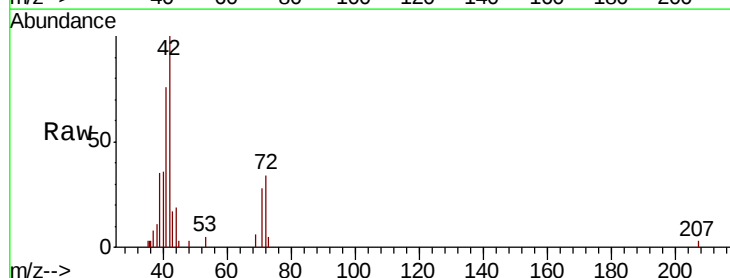


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

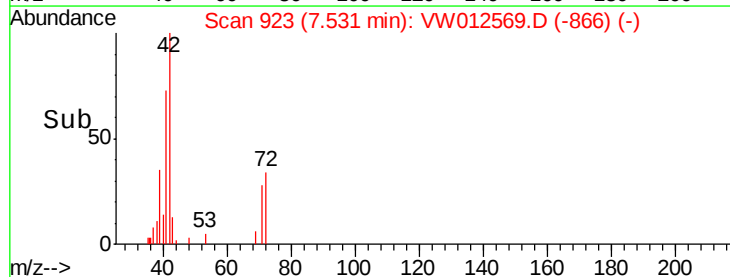
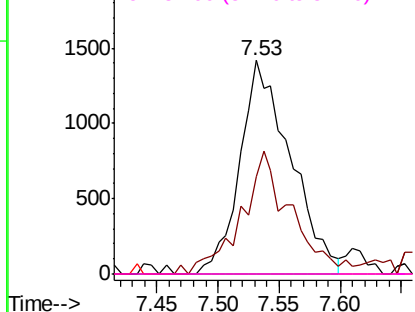


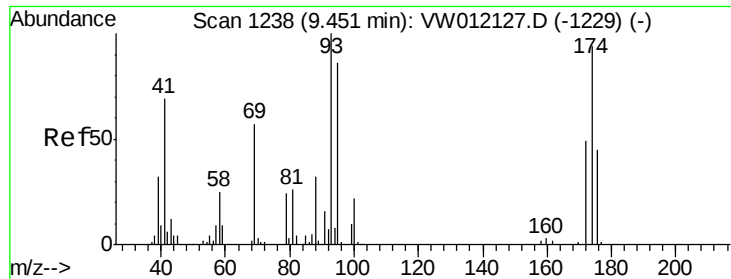
#41
Methacrylonitrile
Concen: 2.987 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012569.D
Acq: 04 Sep 2019 02:15

Tgt Ion: 41 Resp: 4090
Ion Ratio Lower Upper
41 100
39 56.9 45.8 68.8
67 0.0 46.2 69.4#
52 0.0 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

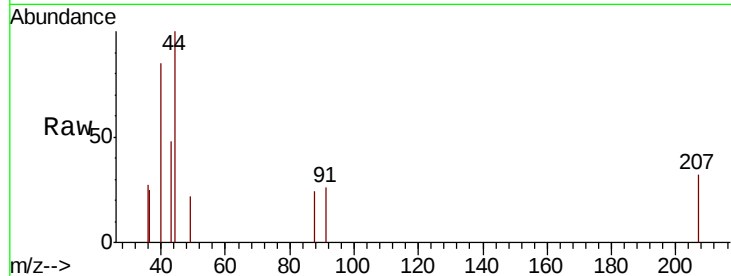




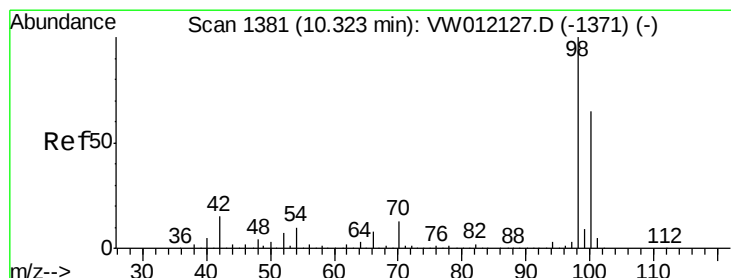
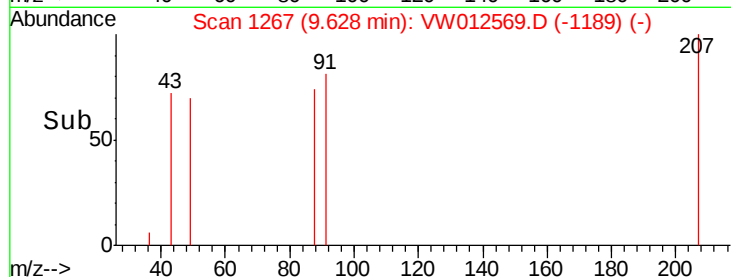
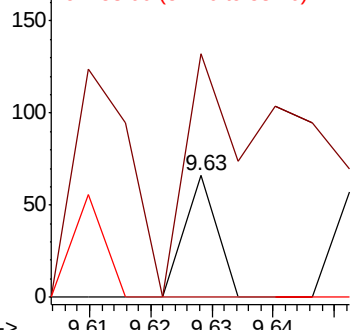
#49
 1,4-Dioxane
 Concen: 1.128 ug/l
 RT: 9.63 min Scan# 1267
 Delta R.T. 0.18 min
 Lab File: VW012569.D
 Acq: 04 Sep 2019 02:15

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C4-(2.25)

Tgt Ion: 88 Resp: 24
 Ion Ratio Lower Upper
 88 100
 43 725.0 32.9 49.3#
 58 0.0 71.0 106.4#

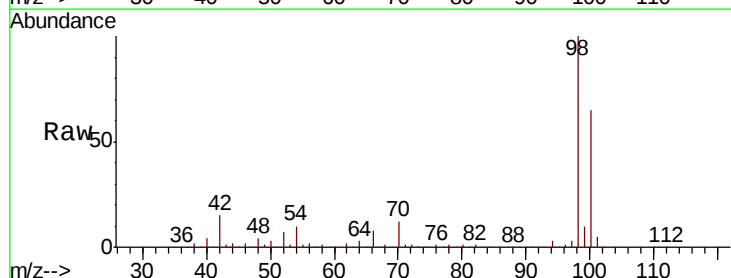


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

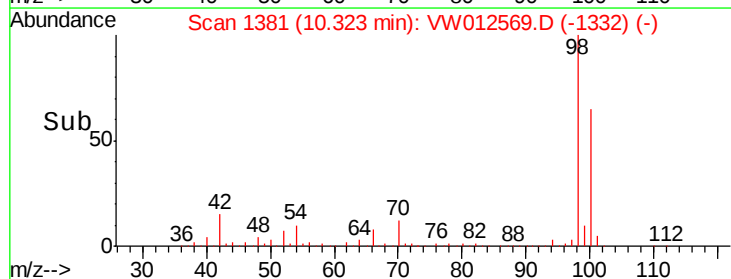
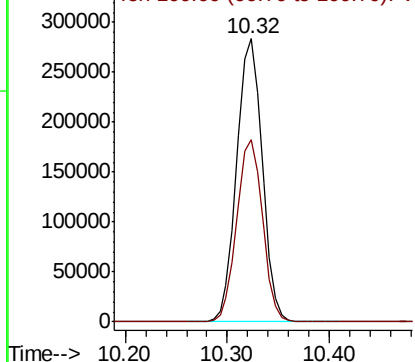


#50
 Toluene-d8
 Concen: 49.448 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012569.D
 Acq: 04 Sep 2019 02:15

Tgt Ion: 98 Resp: 492367
 Ion Ratio Lower Upper
 98 100
 100 64.9 52.4 78.6



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

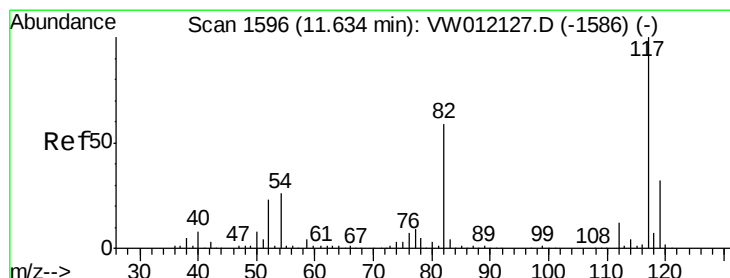
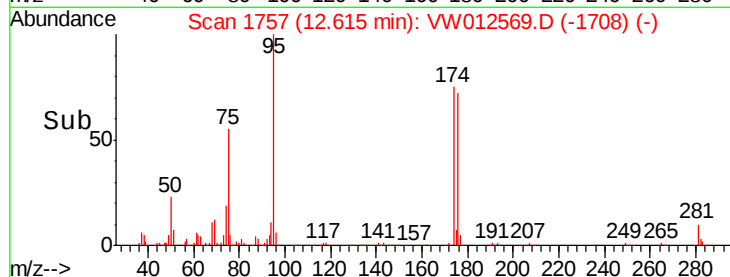
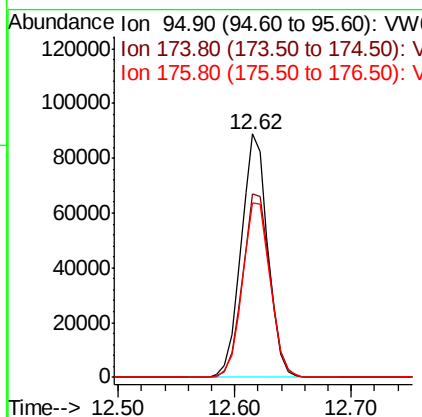
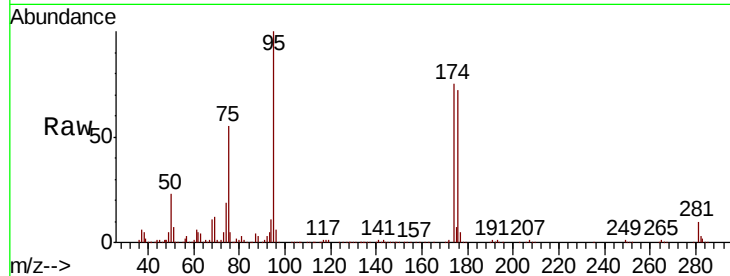




#62
4-Bromofluorobenzene
Concen: 40.236 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012569.D
Acq: 04 Sep 2019 02:15

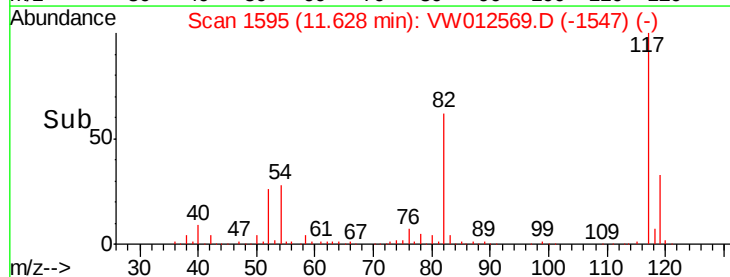
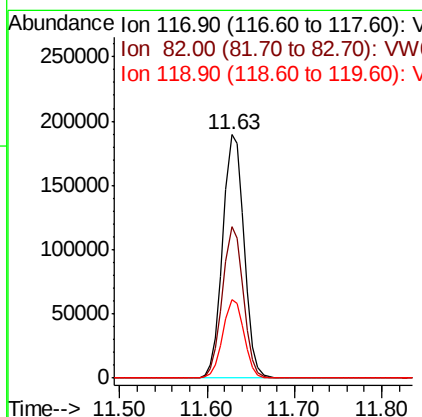
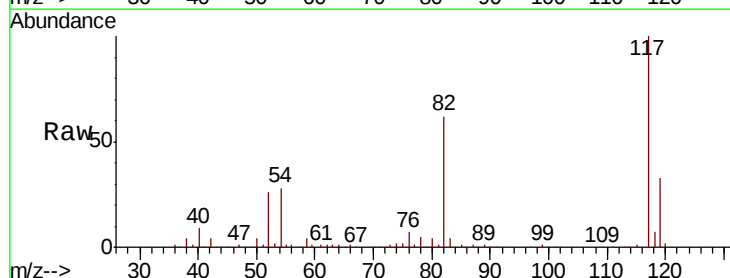
Instrument :
MSVOA_W
ClientSampleId :
T16-17-C4-(2.25)

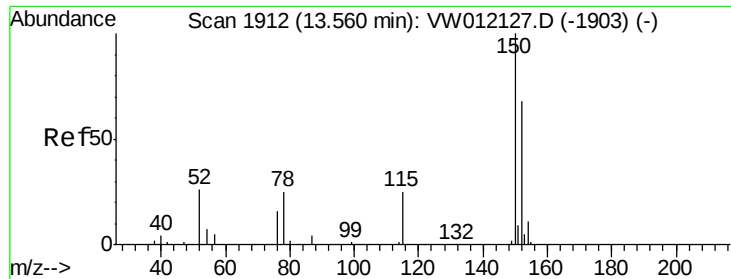
Tgt Ion: 95 Resp: 141224
Ion Ratio Lower Upper
95 100
174 78.6 0.0 150.8
176 75.2 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012569.D
Acq: 04 Sep 2019 02:15

Tgt Ion: 117 Resp: 320199
Ion Ratio Lower Upper
117 100
82 62.2 47.4 71.2
119 32.5 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: VW012569.D

Acq: 04 Sep 2019 02:15

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C4-(2.25)

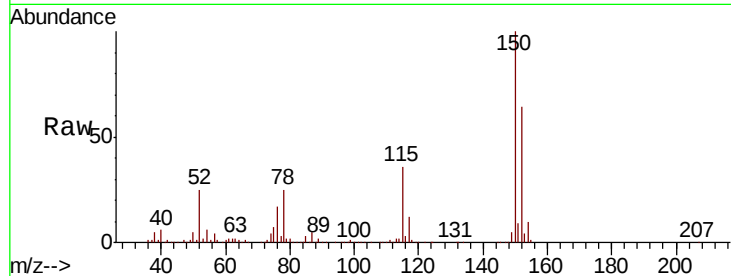
Tgt Ion:152 Resp: 108898

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.3

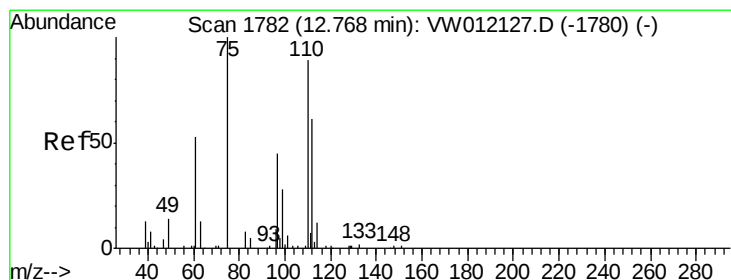
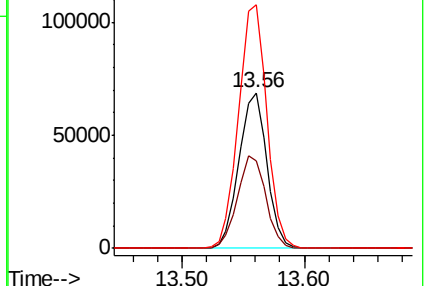
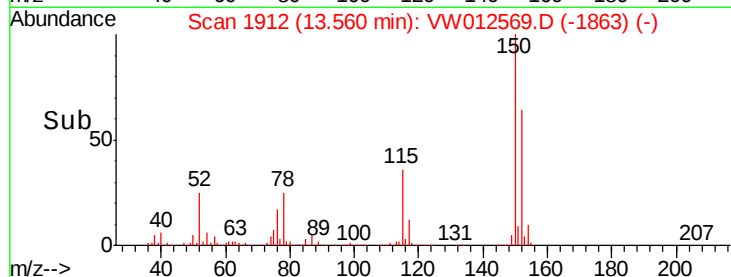
150 158.7 0.0 345.8



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: 72.767 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012569.D

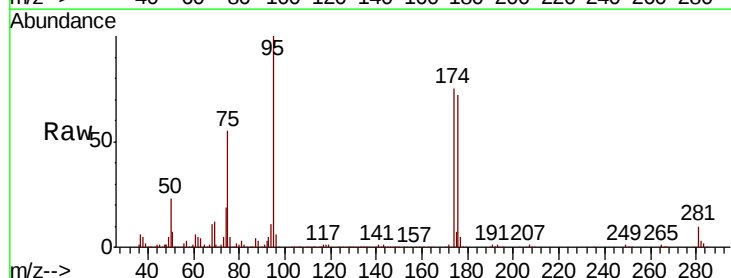
Acq: 04 Sep 2019 02:15

Tgt Ion: 75 Resp: 77176

Ion Ratio Lower Upper

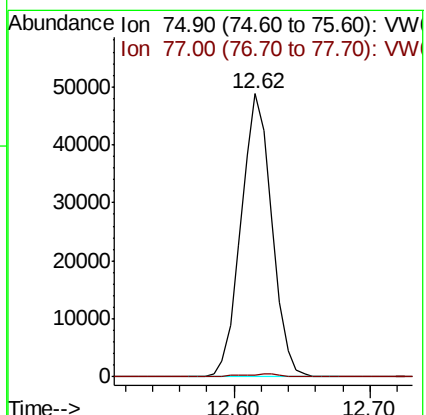
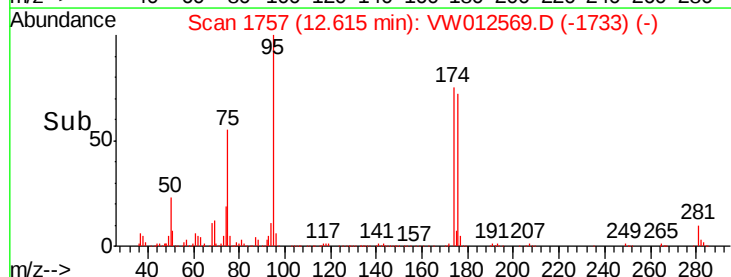
75 100

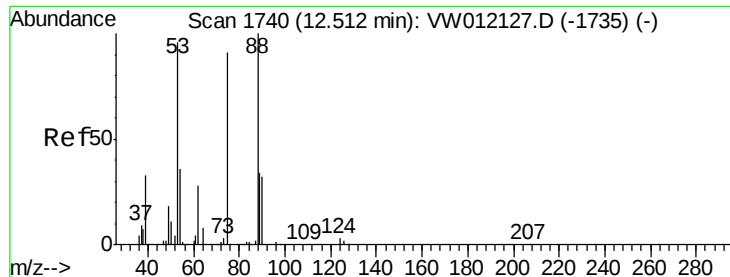
77 1.6 0.0 0.0#



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: 159.545 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012569.D

Acq: 04 Sep 2019 02:15

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C4-(2.25)

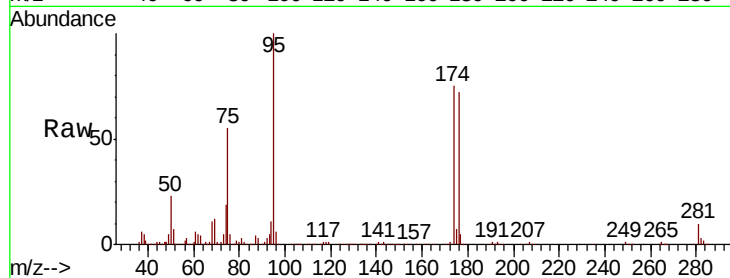
Tgt Ion: 75 Resp: 77176

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

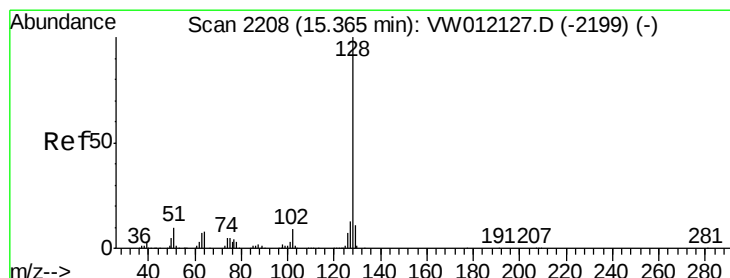
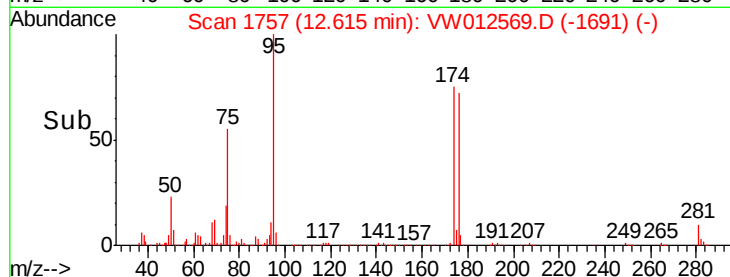
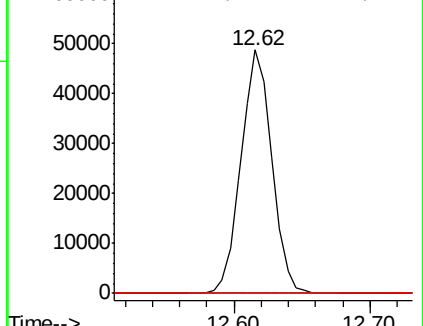
89 0.1 34.5 51.7#



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: 4.407 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012569.D

Acq: 04 Sep 2019 02:15

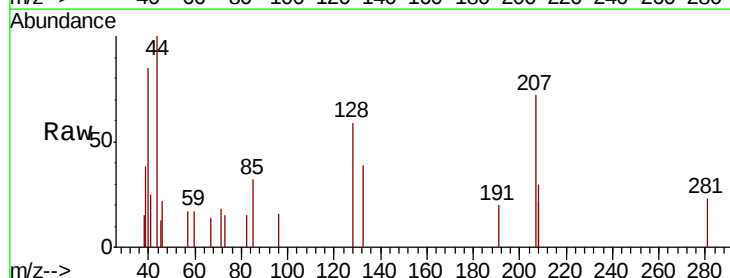
Tgt Ion: 128 Resp: 386

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

