

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
 Data File : VW012567.D
 Acq On : 04 Sep 2019 01:23
 Operator : SY/VA
 Sample : K4544-16
 Misc : 5.52G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C2-(2.25)

Quant Time: Sep 04 06:52:35 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	268024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	438923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	343949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	103303	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	179675	56.39	ug/l	0.00
Spiked Amount			Recovery	=	112.78%	
35) Dibromofluoromethane	7.88	113	136306	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
50) Toluene-d8	10.32	98	535701	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.62	95	143244	38.25	ug/l	0.00
Spiked Amount			Recovery	=	76.50%	

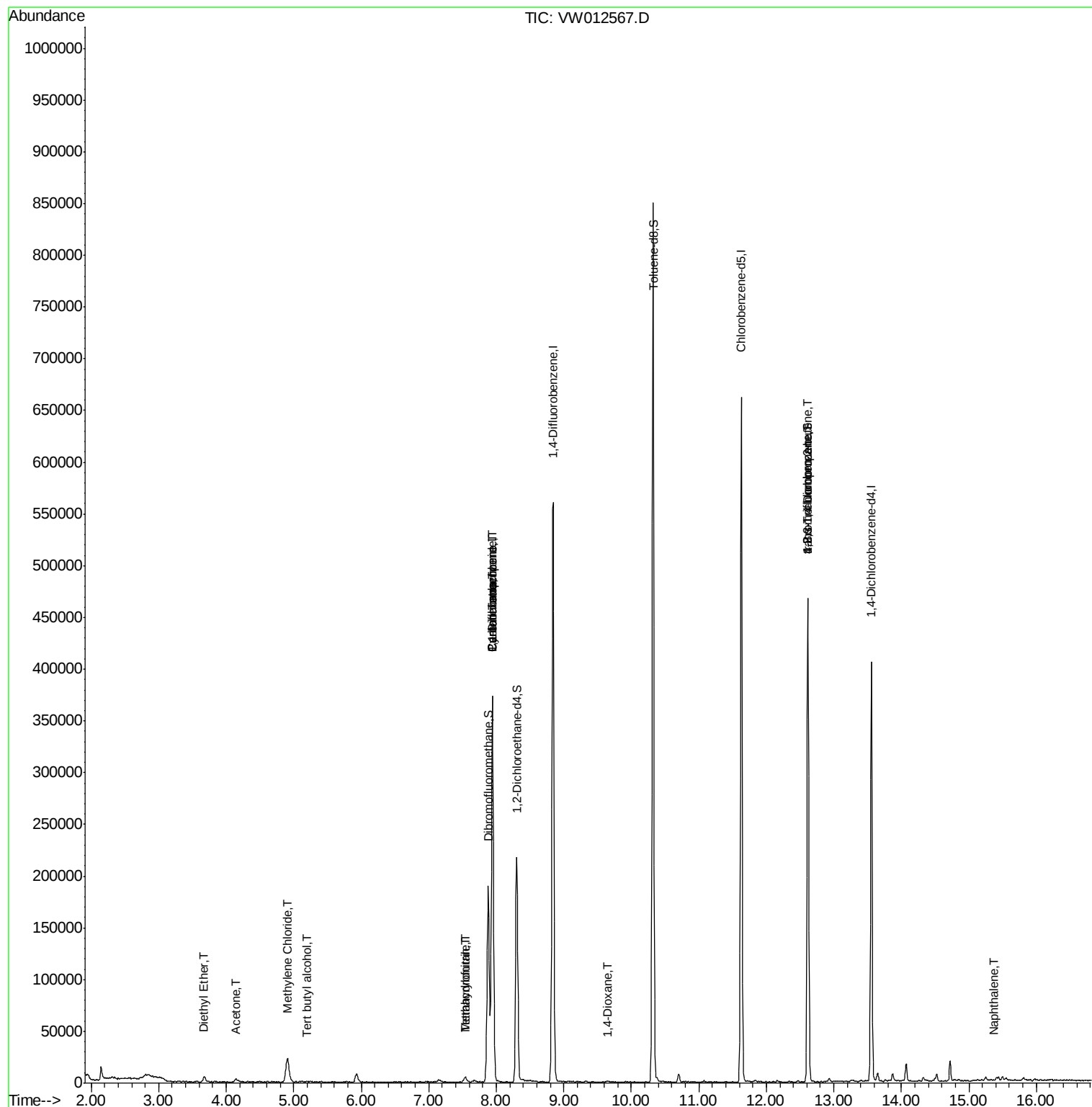
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2530	1.696	ug/l	84
11) Tert butyl alcohol	5.18	59	211	1.100	ug/l #	68
16) Acetone	4.14	43	6055	7.434	ug/l	99
20) Methylene Chloride	4.91	84	16915	5.494	ug/l	97
29) Tetrahydrofuran	7.54	42	4724	7.114	ug/l	98
31) Cyclohexane	7.95	56	6775	1.181	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	23002	5.071	ug/l #	53
38) Carbon Tetrachloride	7.94	117	27308	6.956	ug/l #	17
41) Methacrylonitrile	7.53	41	3144	2.152	ug/l #	56
49) 1,4-Dioxane	9.66	88	24	1.057	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	79044	78.565	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79044	172.257	ug/l #	6
95) Naphthalene	15.37	128	425	4.421	ug/l #	79

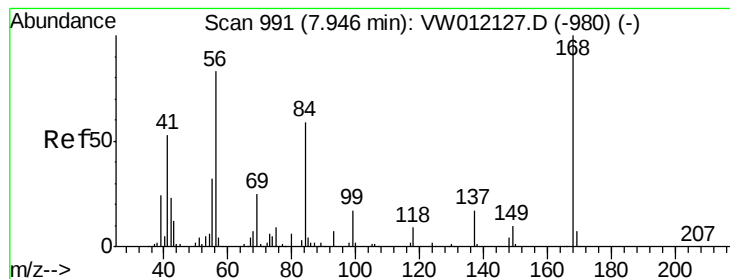
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW012567.D

Acq: 04 Sep 2019 01:23

Instrument :

MSVOA_W

ClientSampled :

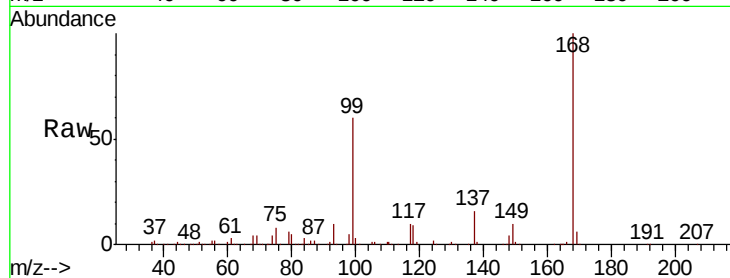
T16-17-C2-(2.25)

Tgt Ion:168 Resp: 268024

Ion Ratio Lower Upper

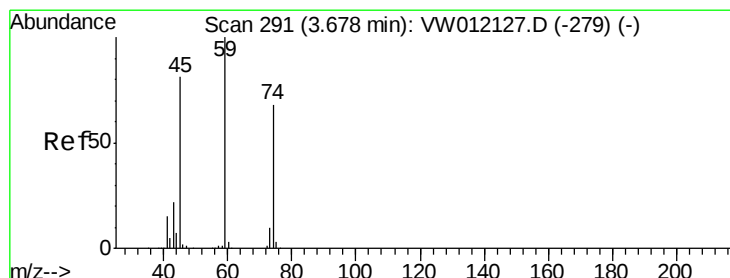
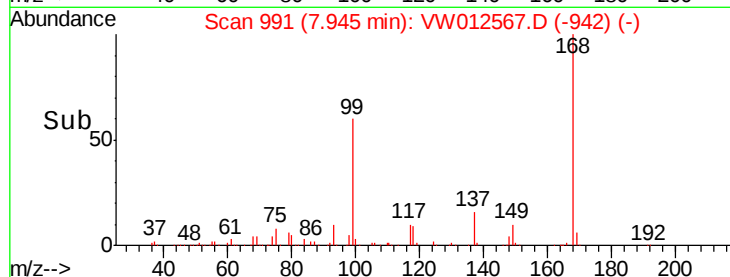
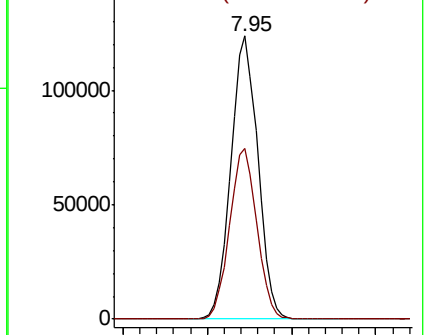
168 100

99 60.1 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: 1.696 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW012567.D

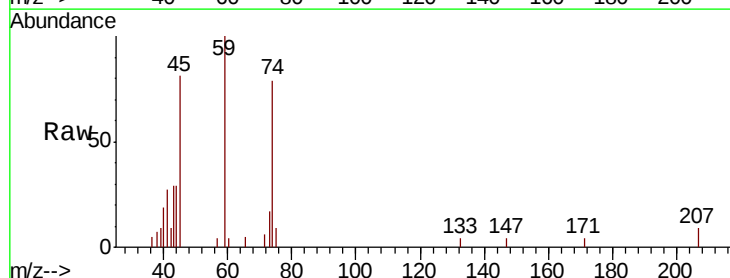
Acq: 04 Sep 2019 01:23

Tgt Ion: 74 Resp: 2530

Ion Ratio Lower Upper

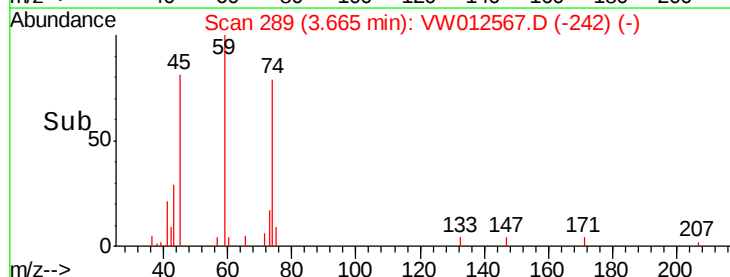
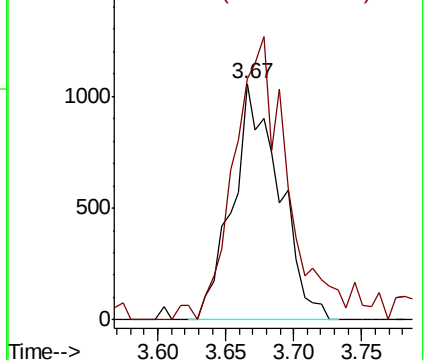
74 100

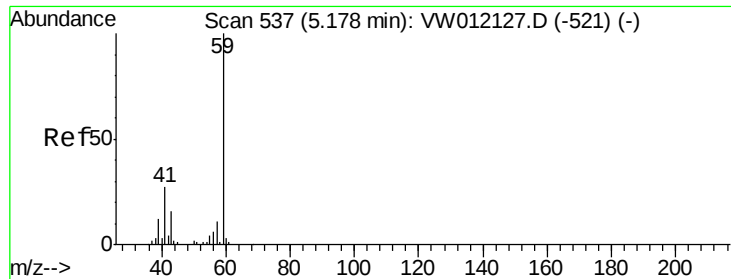
45 136.1 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

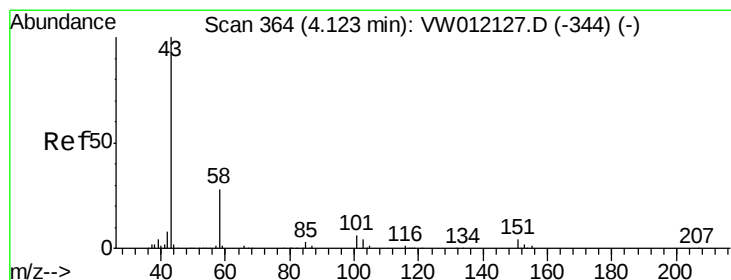
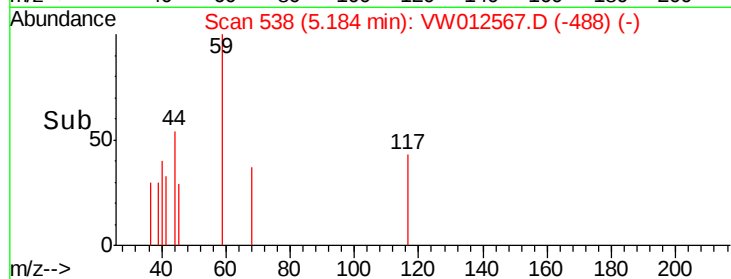
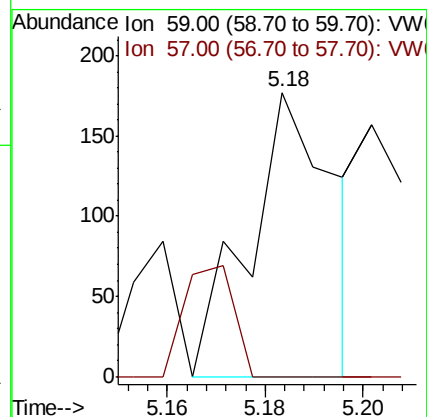
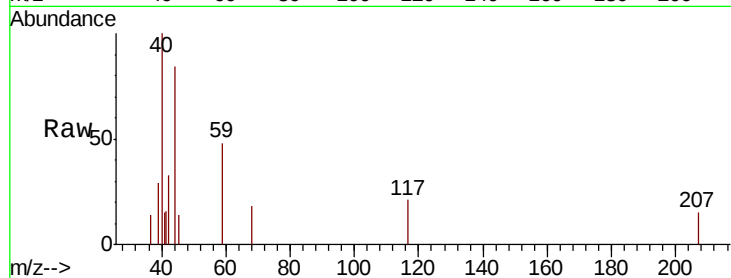




#11
Tert butyl alcohol
Concen: 1.100 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012567.D
Acq: 04 Sep 2019 01:23

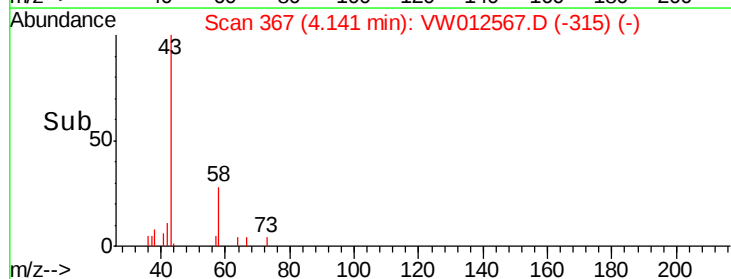
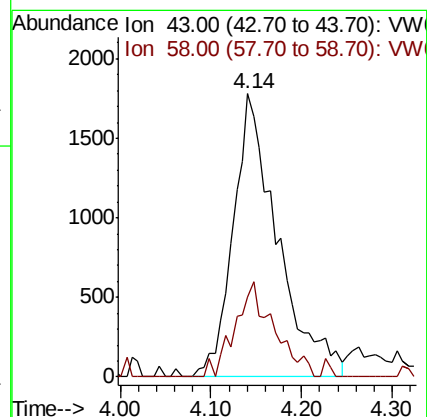
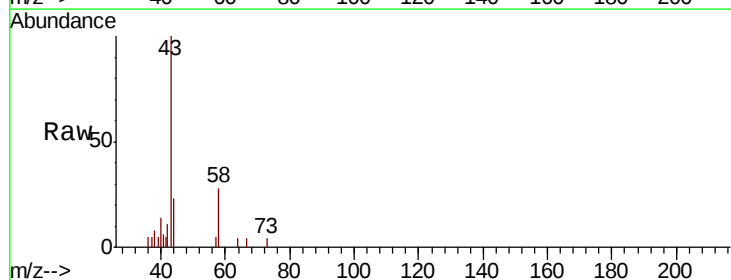
Instrument :
MSVOA_W
ClientSampleId :
T16-17-C2-(2.25)

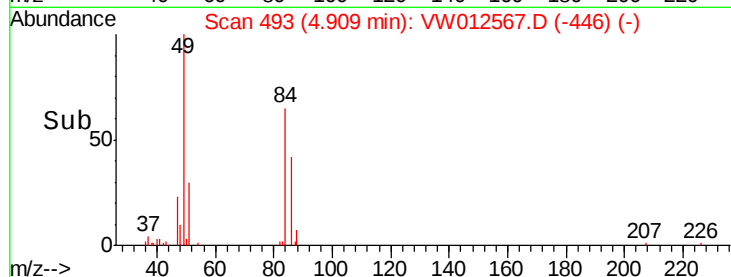
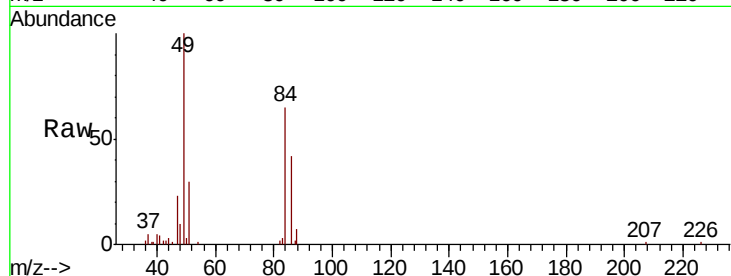
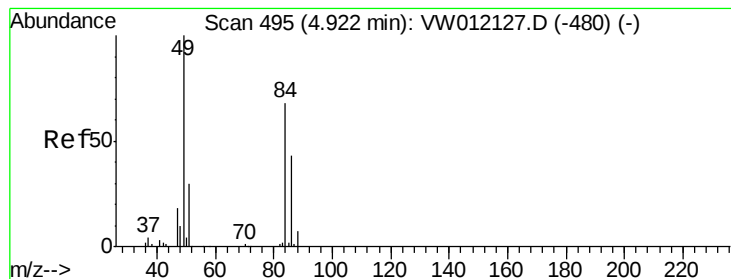
Tgt Ion: 59 Resp: 211
Ion Ratio Lower Upper
59 100
57 23.2 9.0 13.4#



#16
Acetone
Concen: 7.434 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012567.D
Acq: 04 Sep 2019 01:23

Tgt Ion: 43 Resp: 6055
Ion Ratio Lower Upper
43 100
58 28.3 22.4 33.6





#20

Methylene Chloride

Concen: 5.494 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012567.D

Acq: 04 Sep 2019 01:23

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C2-(2.25)

Tgt Ion: 84 Resp: 16915

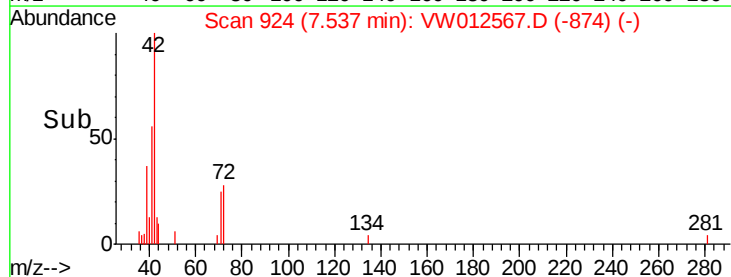
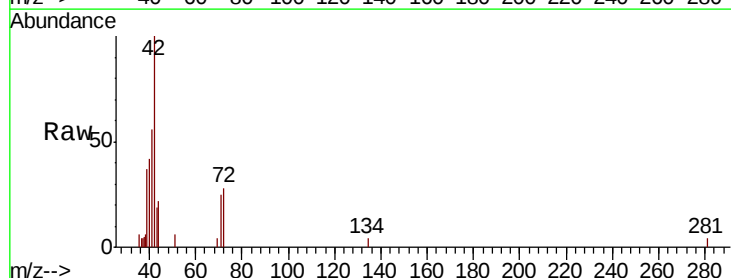
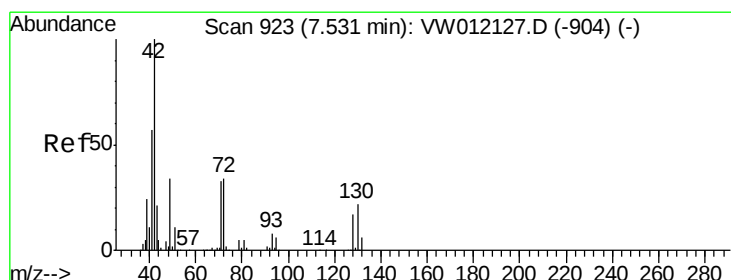
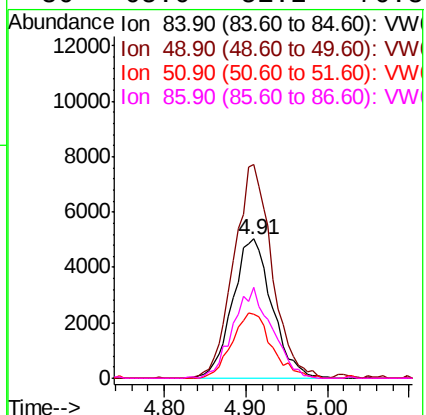
Ion Ratio Lower Upper

84 100

49 153.4 117.8 176.8

51 45.7 35.6 53.4

86 65.0 51.2 76.8



#29

Tetrahydrofuran

Concen: 7.114 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012567.D

Acq: 04 Sep 2019 01:23

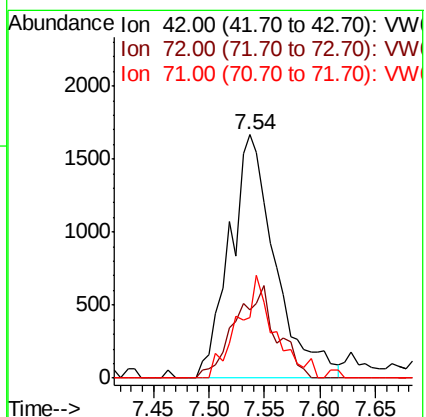
Tgt Ion: 42 Resp: 4724

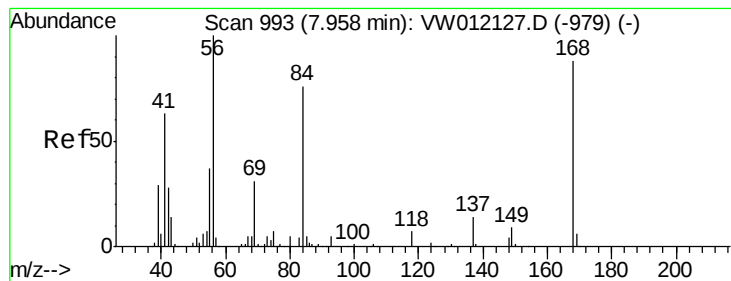
Ion Ratio Lower Upper

42 100

72 34.8 27.3 40.9

71 33.3 25.5 38.3





#31

Cyclohexane

Concen: 1.181 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012567.D

Acq: 04 Sep 2019 01:23

Instrument :

MSVOA_W

ClientSampled :

T16-17-C2-(2.25)

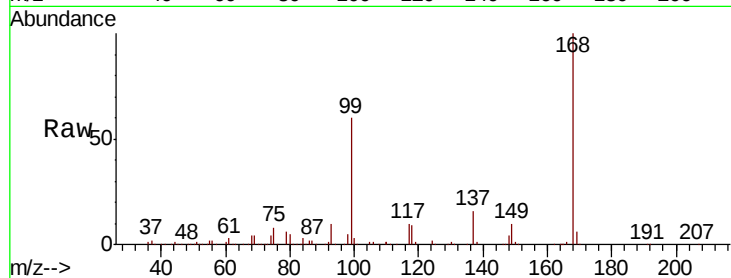
Tgt Ion: 56 Resp: 6775

Ion Ratio Lower Upper

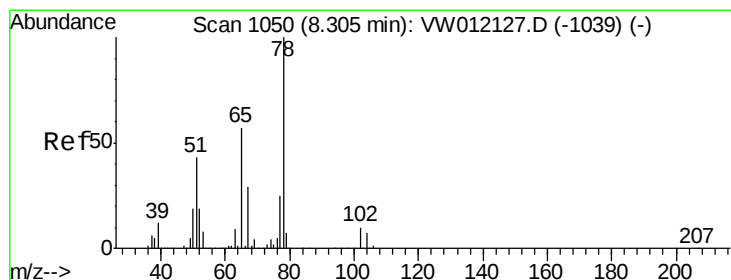
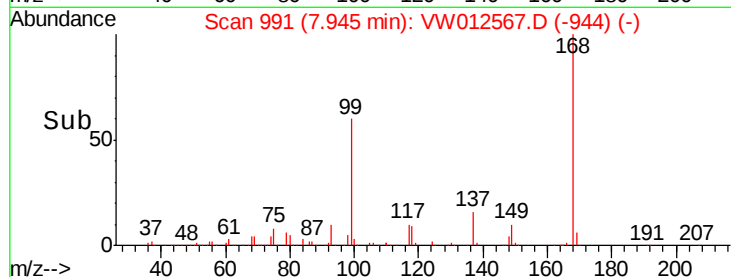
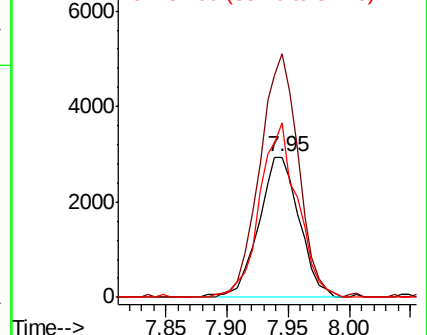
56 100

69 173.8 24.9 37.3#

84 124.7 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: 56.392 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012567.D

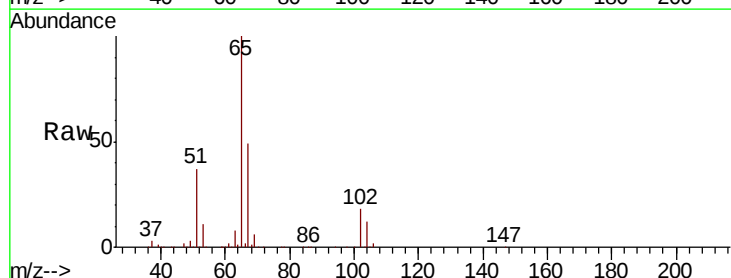
Acq: 04 Sep 2019 01:23

Tgt Ion: 65 Resp: 179675

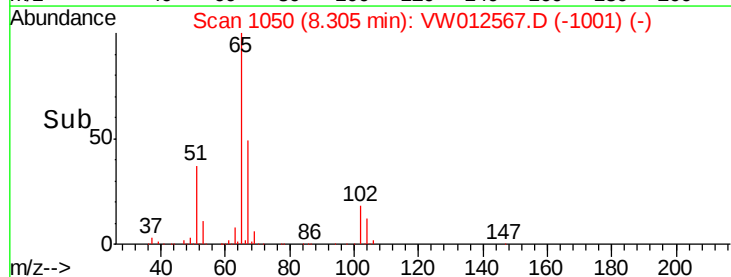
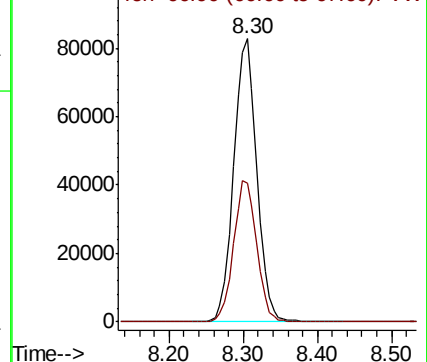
Ion Ratio Lower Upper

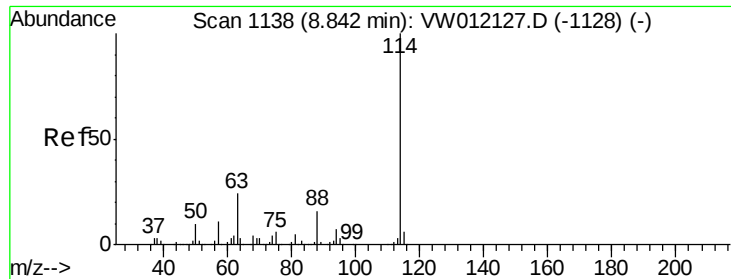
65 100

67 50.3 0.0 102.6



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

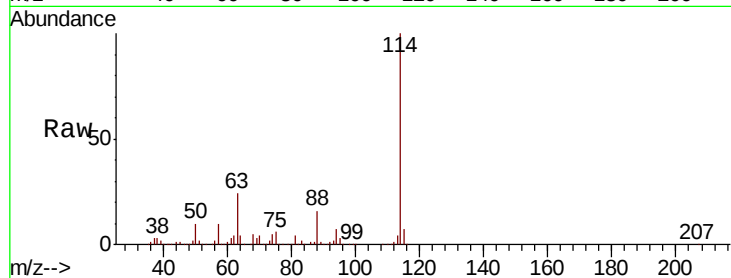




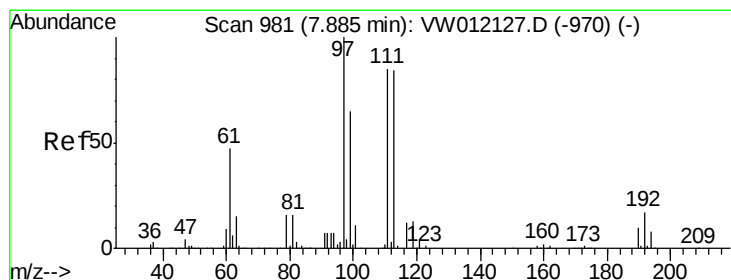
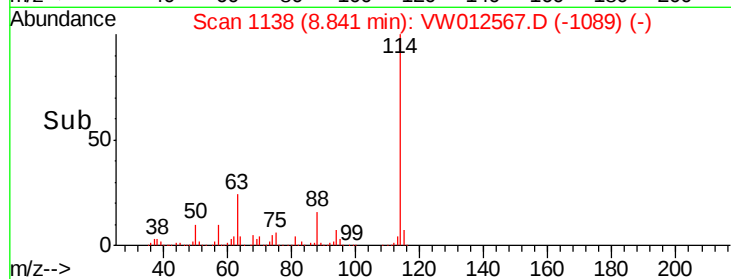
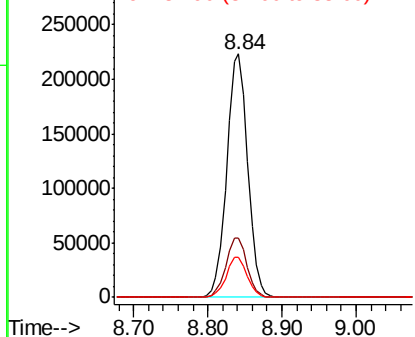
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012567.D
 Acq: 04 Sep 2019 01:23

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C2-(2.25)

Tgt Ion:	114	Resp:	438923
Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	48.6
88	16.4	0.0	32.2

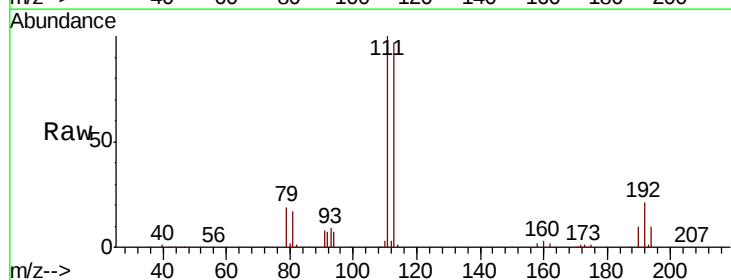


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

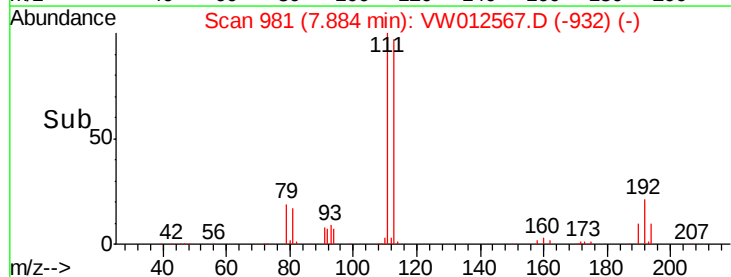
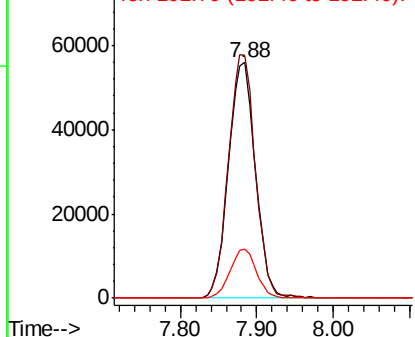


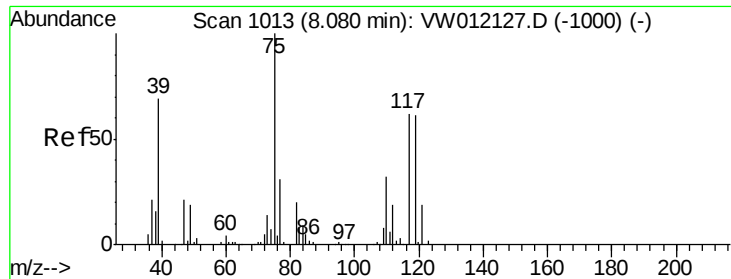
#35
 Dibromofluoromethane
 Concen: 52.026 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012567.D
 Acq: 04 Sep 2019 01:23

Tgt Ion:	113	Resp:	136306
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.7	124.1
192	20.3	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

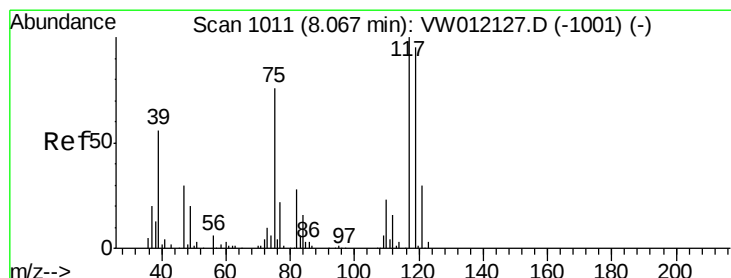
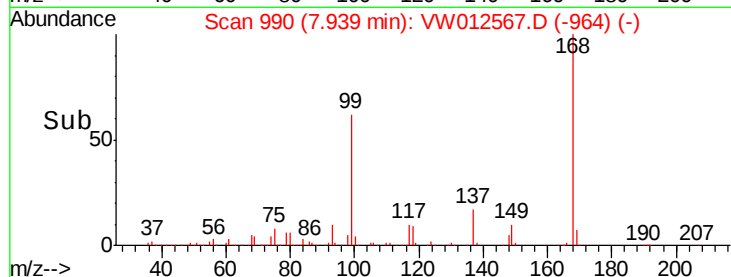
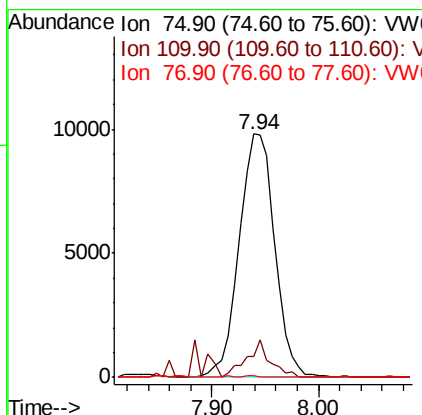
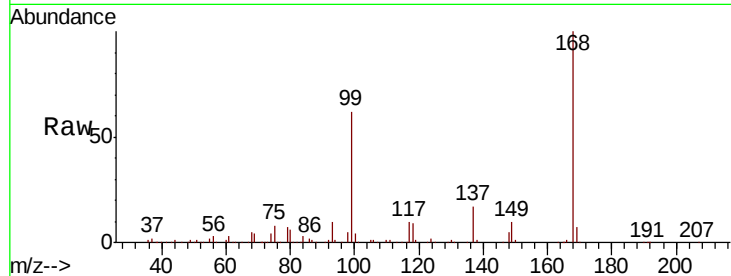




#36
 1,1-Dichloropropene
 Concen: 5.071 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012567.D
 Acq: 04 Sep 2019 01:23

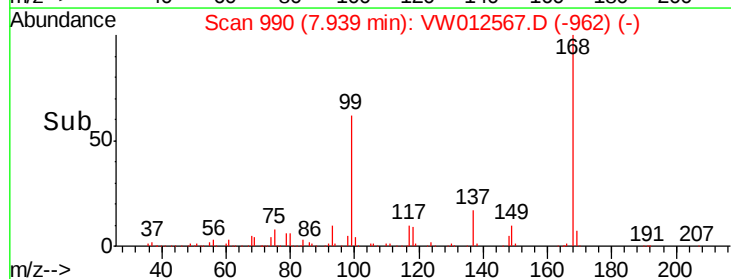
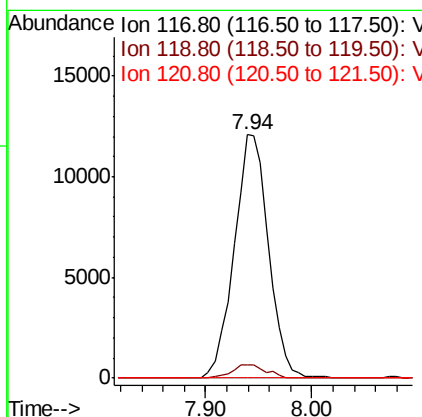
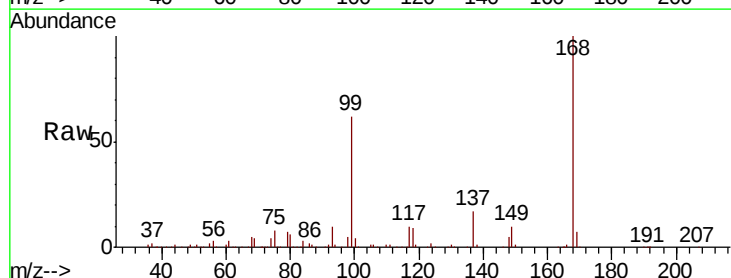
Instrument :
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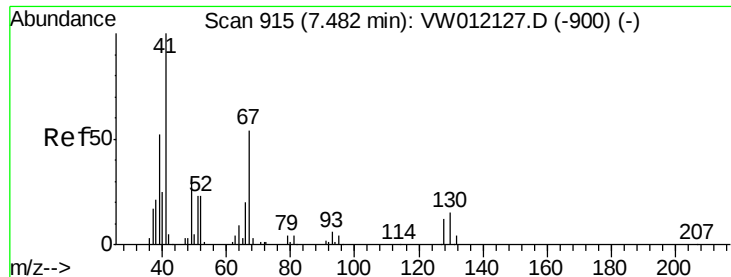
Tgt Ion: 75 Resp: 23002
 Ion Ratio Lower Upper
 75 100
 110 10.1 15.6 46.8#
 77 0.2 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.956 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012567.D
 Acq: 04 Sep 2019 01:23

Tgt Ion: 117 Resp: 27308
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.2 114.2#
 121 0.0 23.8 35.8#

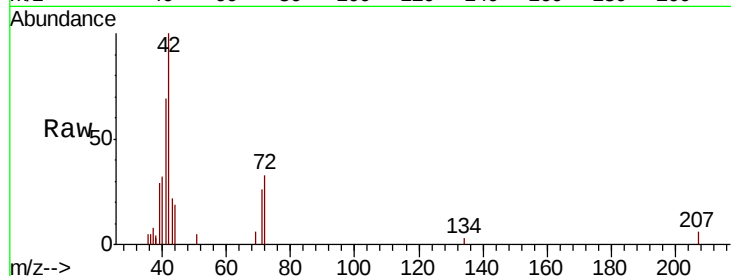




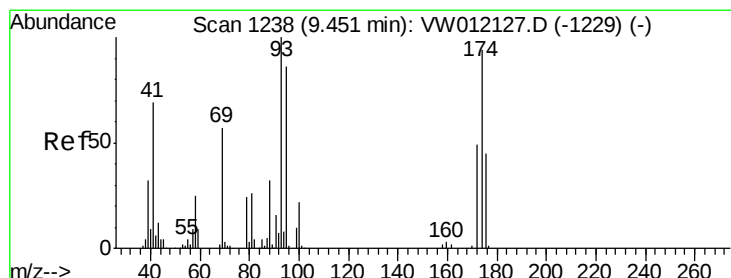
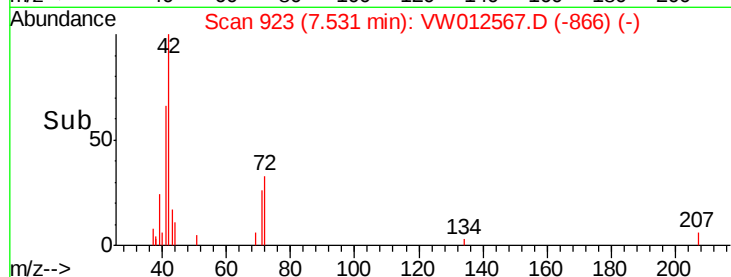
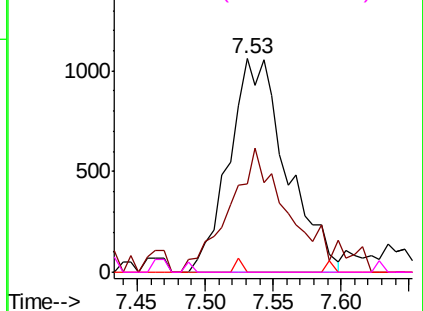
#41
Methacrylonitrile
Concen: 2.152 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012567.D
Acq: 04 Sep 2019 01:23

Instrument :
MSVOA_W
ClientSampleId :
T16-17-C2-(2.25)

Tgt Ion:	41	Resp:	3144
Ion	Ratio	Lower	Upper
41	100		
39	62.8	45.8	68.8
67	0.9	46.2	69.4#
52	0.0	21.0	31.6#

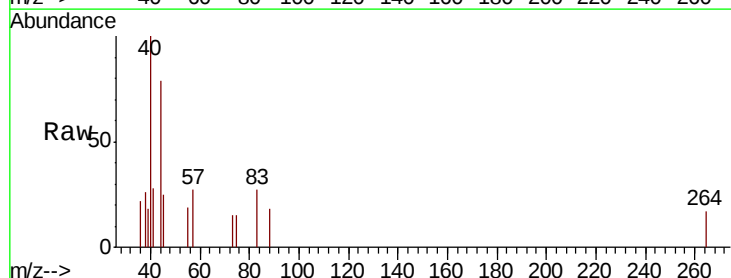


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

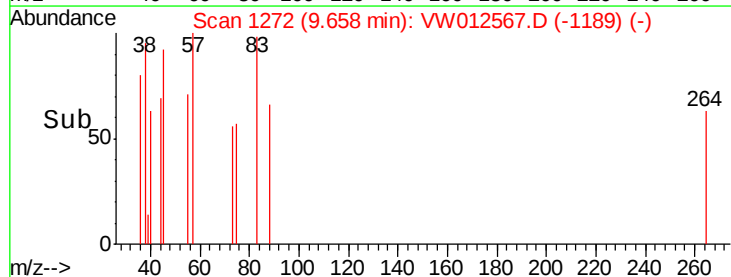
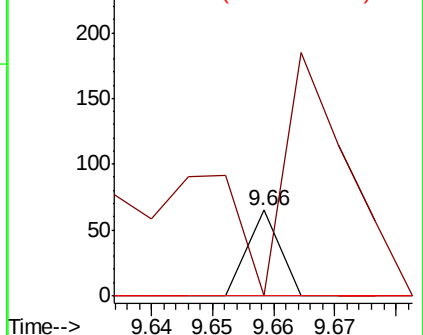


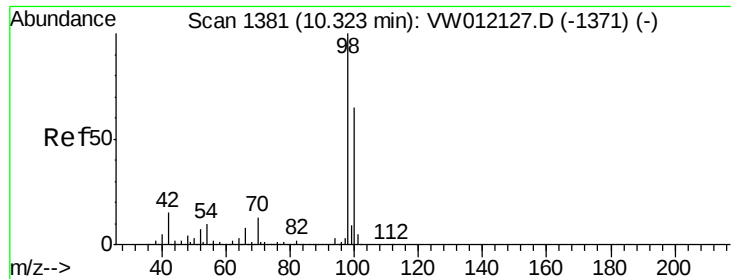
#49
1,4-Dioxane
Concen: 1.057 ug/l
RT: 9.66 min Scan# 1272
Delta R.T. 0.21 min
Lab File: VW012567.D
Acq: 04 Sep 2019 01:23

Tgt Ion:	88	Resp:	24
Ion	Ratio	Lower	Upper
88	100		
43	1025.0	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: 50.428 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012567.D

Acq: 04 Sep 2019 01:23

Instrument :

MSVOA_W

ClientSampleId :

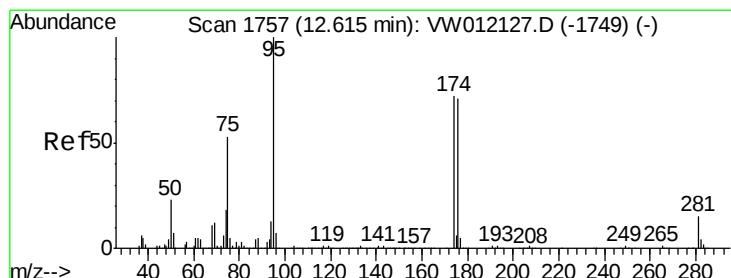
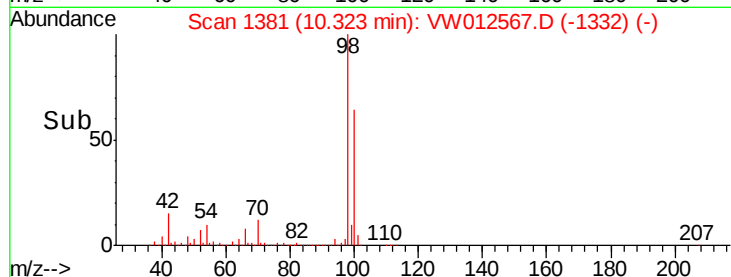
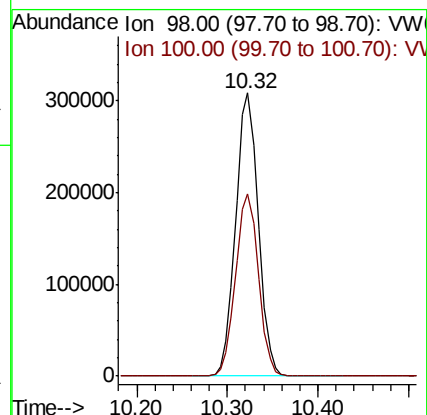
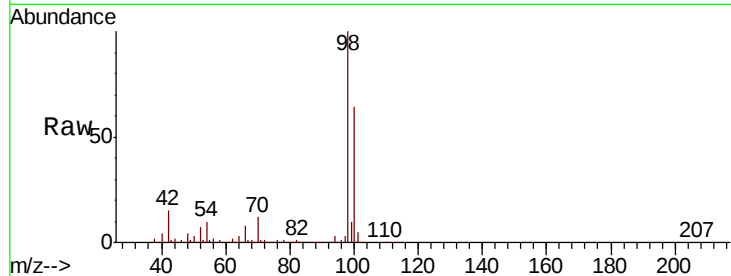
T16-17-C2-(2.25)

Tgt Ion: 98 Resp: 535701

Ion Ratio Lower Upper

98 100

100 64.9 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 38.253 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012567.D

Acq: 04 Sep 2019 01:23

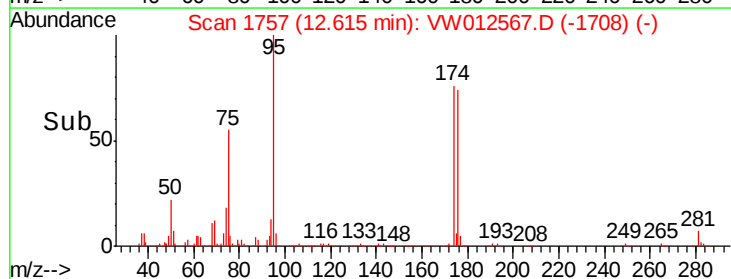
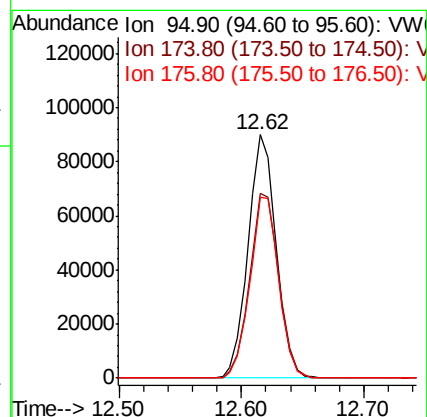
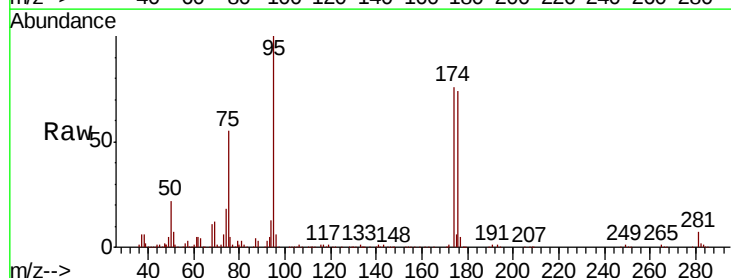
Tgt Ion: 95 Resp: 143244

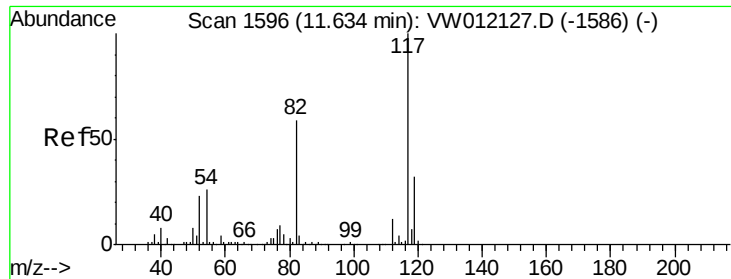
Ion Ratio Lower Upper

95 100

174 79.1 0.0 150.8

176 76.4 0.0 148.6

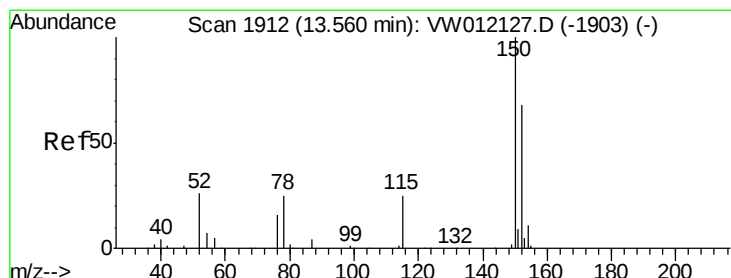
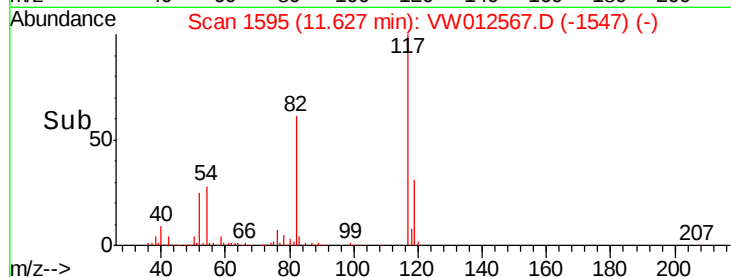
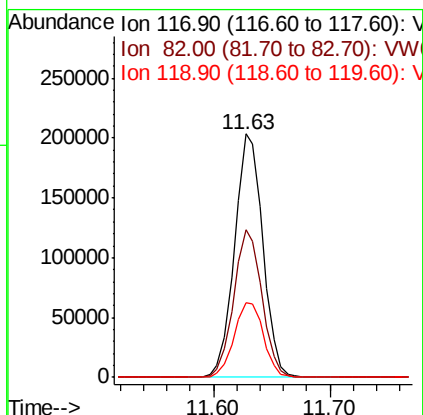
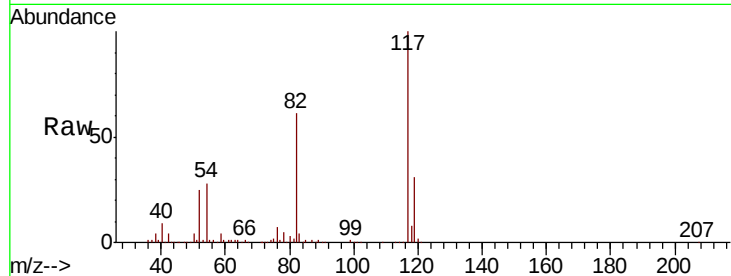




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012567.D
Acq: 04 Sep 2019 01:23

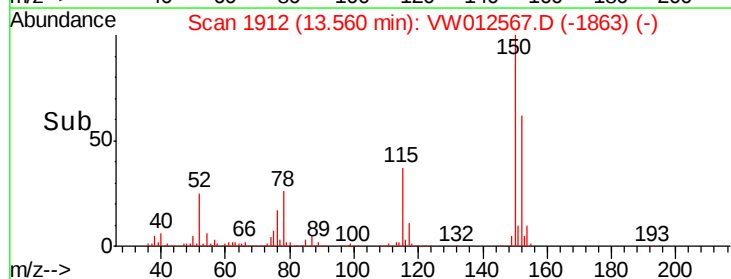
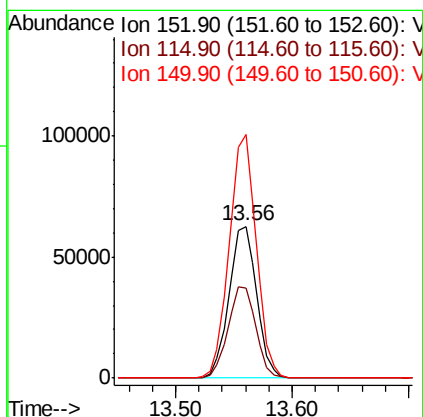
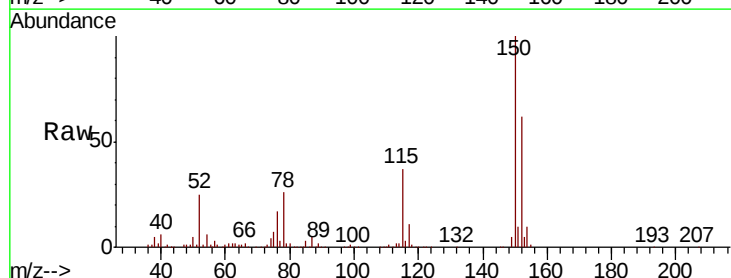
Instrument :
MSVOA_W
ClientSampleId :
T16-17-C2-(2.25)

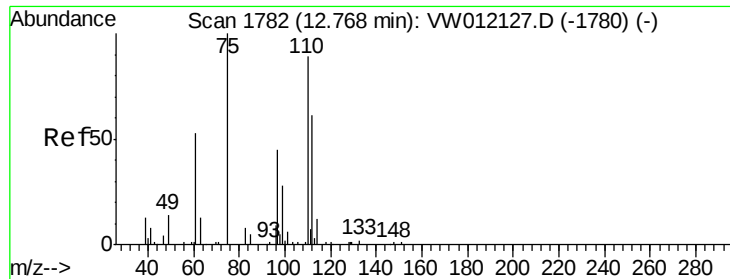
Tgt Ion:117 Resp: 343949
Ion Ratio Lower Upper
117 100
82 60.5 47.4 71.2
119 30.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012567.D
Acq: 04 Sep 2019 01:23

Tgt Ion:152 Resp: 103303
Ion Ratio Lower Upper
152 100
115 60.6 30.1 90.3
150 157.3 0.0 345.8

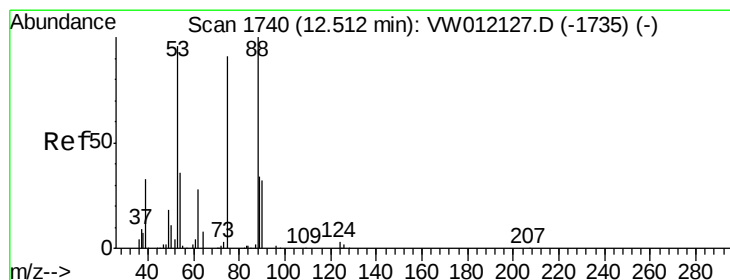
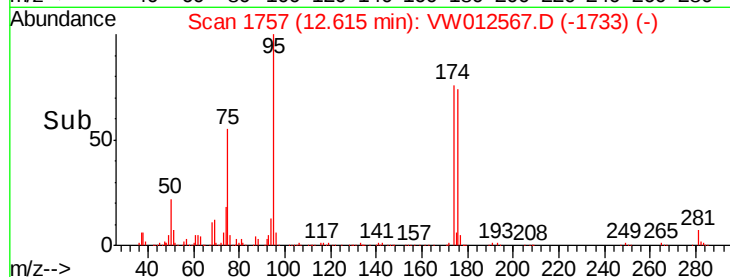
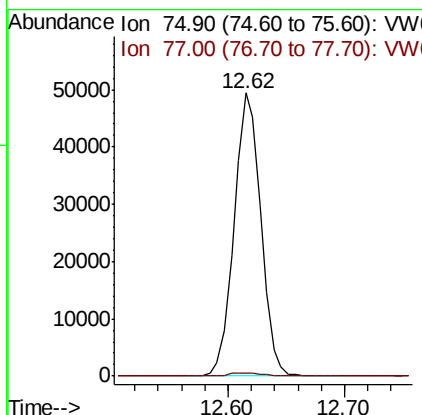
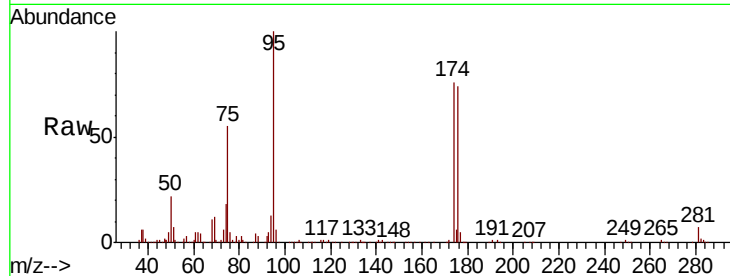




#76
 1,2,3-Trichloropropane
 Concen: 78.565 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012567.D
 Acq: 04 Sep 2019 01:23

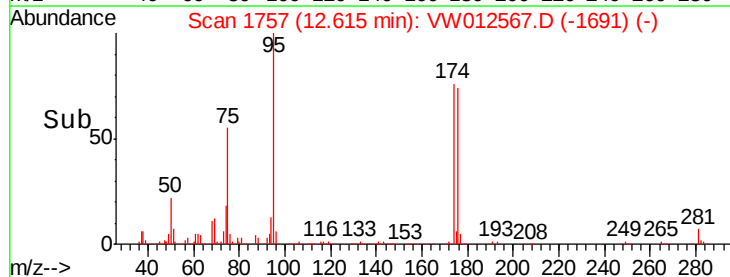
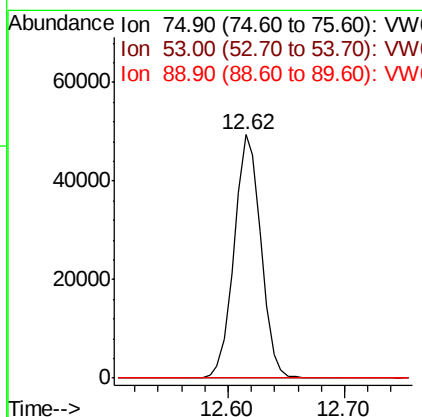
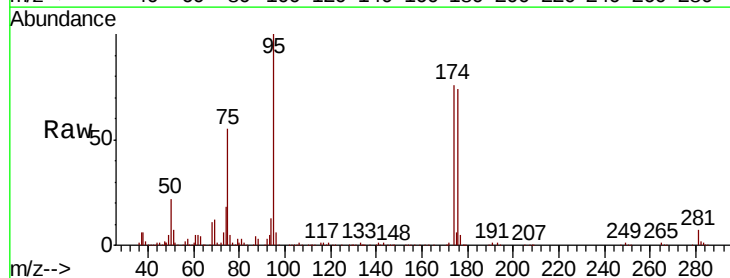
Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C2-(2.25)

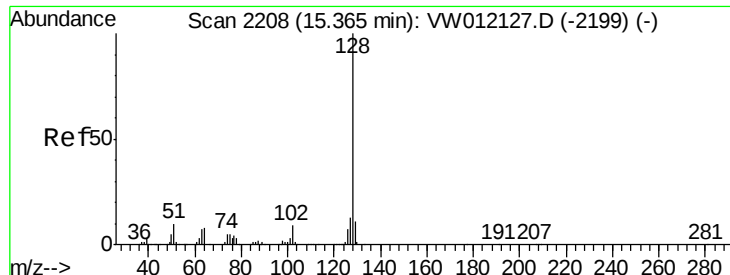
Tgt Ion: 75 Resp: 79044
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 172.257 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012567.D
 Acq: 04 Sep 2019 01:23

Tgt Ion: 75 Resp: 79044
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.421 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012567.D

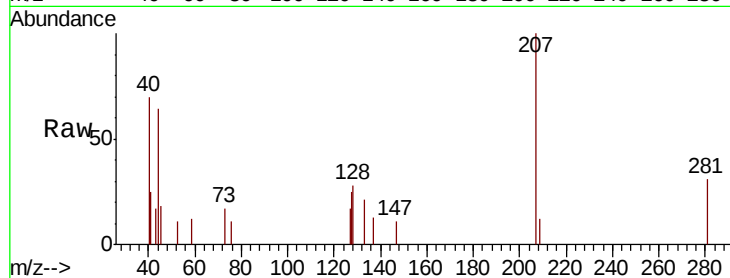
Acq: 04 Sep 2019 01:23

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C2-(2.25)



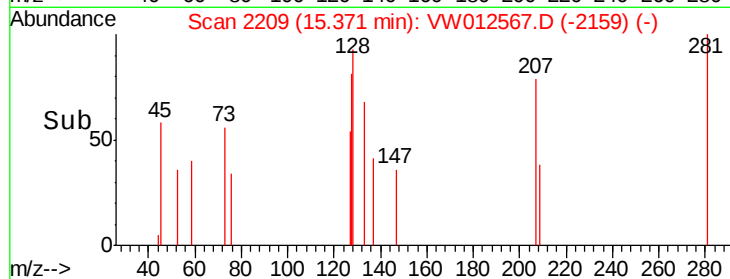
Tgt Ion:128 Resp: 425

Ion Ratio Lower Upper

128 100

127 19.5 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

