

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012335.D
 Acq On : 30 Aug 2019 06:16
 Operator : SY/VA
 Sample : K4554-04
 Misc : 6.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-14-(13-15)

Quant Time: Aug 30 06:56:50 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	186930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	304769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	253240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99793	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	113026	50.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.72%	
35) Dibromofluoromethane	7.88	113	93417	51.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.70%	
50) Toluene-d8	10.32	98	372945	50.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.62	95	115595	44.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.92%	

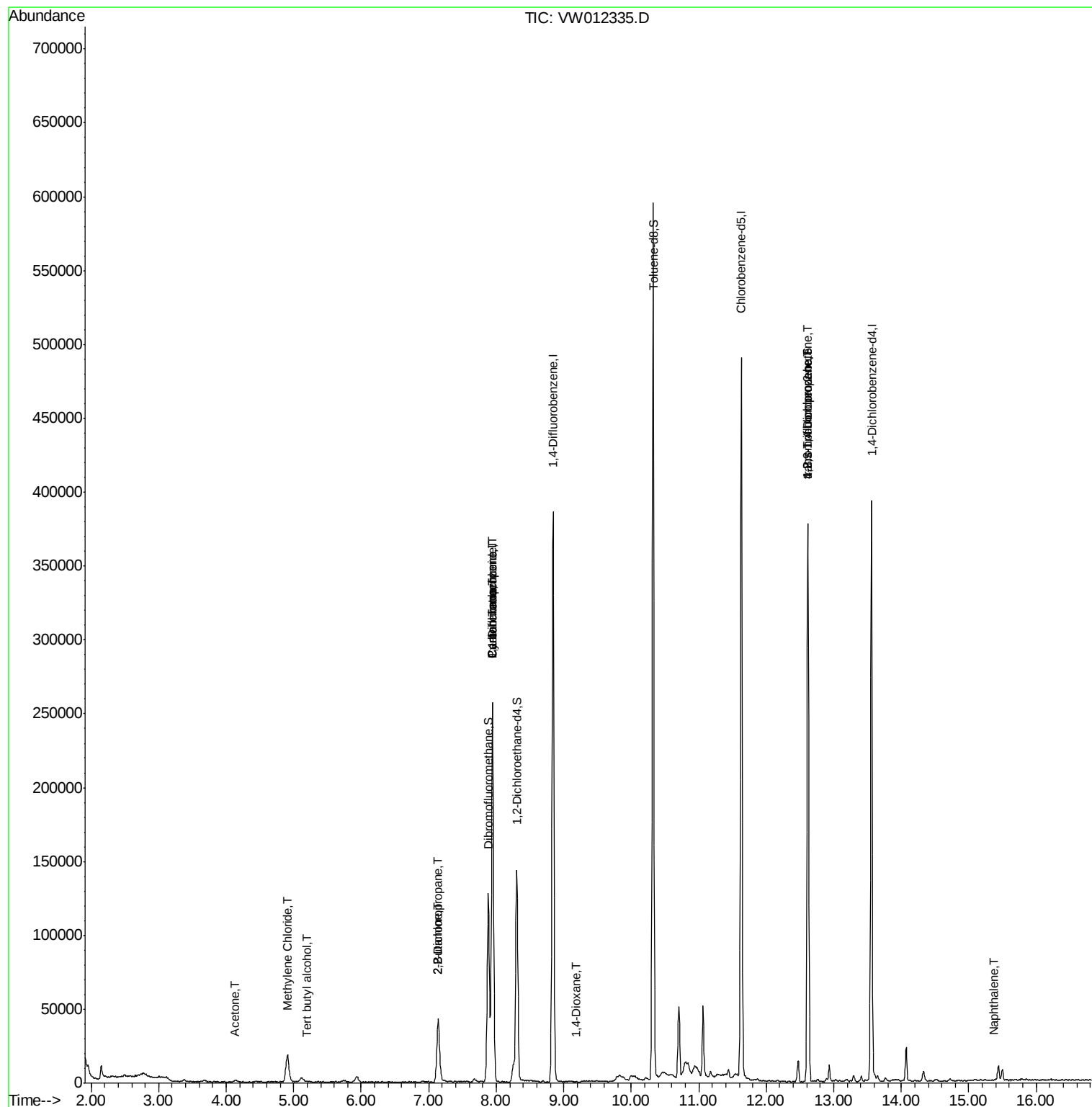
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	274	2.049	ug/l #	71
16) Acetone	4.14	43	2125	3.741	ug/l	94
20) Methylene Chloride	4.92	84	12538	5.839	ug/l	94
25) 2-Butanone	7.14	43	2681	3.473	ug/l	91
26) 2,2-Dichloropropane	7.13	77	2821	1.232	ug/l #	54
31) Cyclohexane	7.94	56	4822	1.205	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	16194	5.142	ug/l #	51
38) Carbon Tetrachloride	7.95	117	18553	6.806	ug/l #	16
49) 1,4-Dioxane	9.18	88	19	1.205	ug/l #	3
76) 1,2,3-Trichloropropane	12.62	75	62562	64.370	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62562	141.134	ug/l #	6
95) Naphthalene	15.36	128	199	4.369	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
Data File : VW012335.D
Acq On : 30 Aug 2019 06:16
Operator : SY/VA
Sample : K4554-04
Misc : 6.05G/5ML/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-14-(13-15)

Quant Time: Aug 30 06:56:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
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: VW012335.D

Acq: 30 Aug 2019 06:16

Instrument :

MSVOA_W

ClientSampleId :

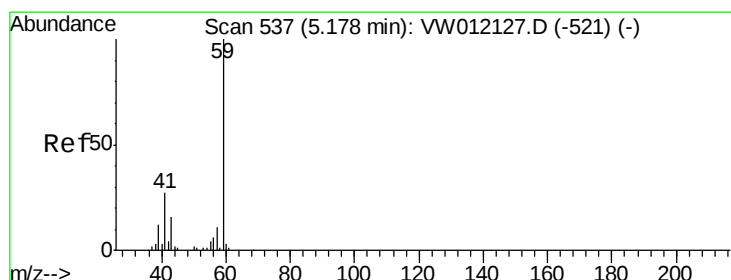
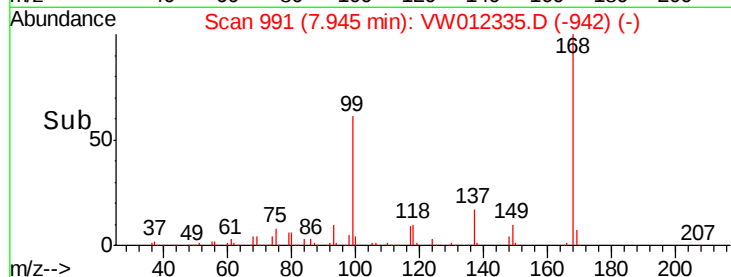
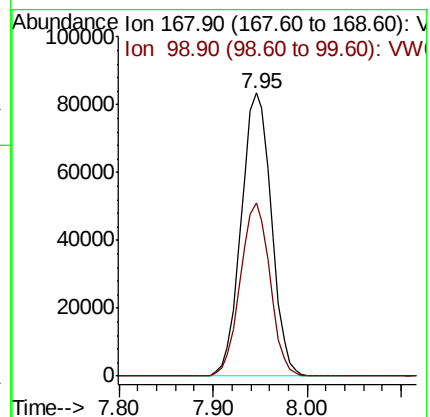
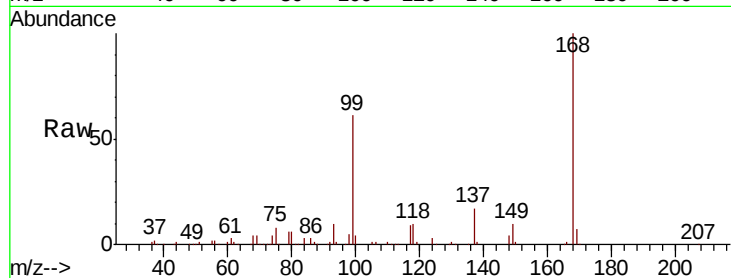
SB-14-(13-15)

Tgt Ion:168 Resp: 186930

Ion Ratio Lower Upper

168 100

99 61.0 49.2 73.8



#11

Tert butyl alcohol

Concen: 2.049 ug/l

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW012335.D

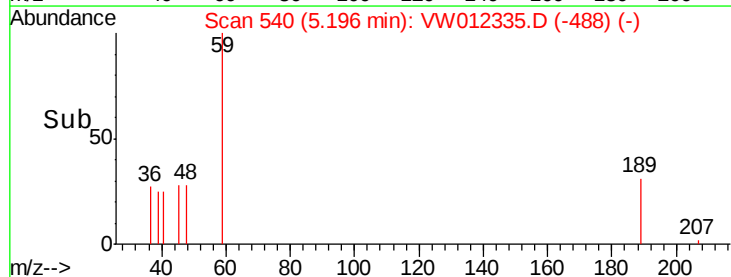
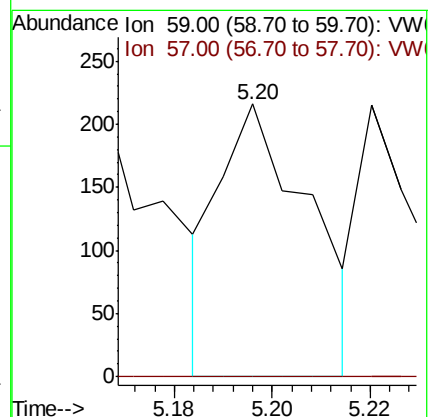
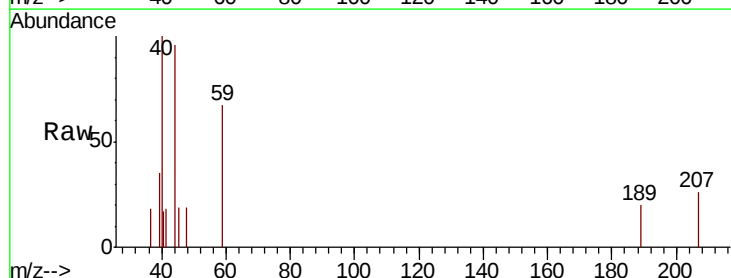
Acq: 30 Aug 2019 06:16

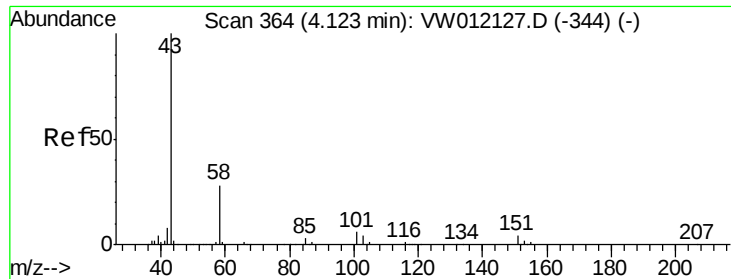
Tgt Ion: 59 Resp: 274

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#

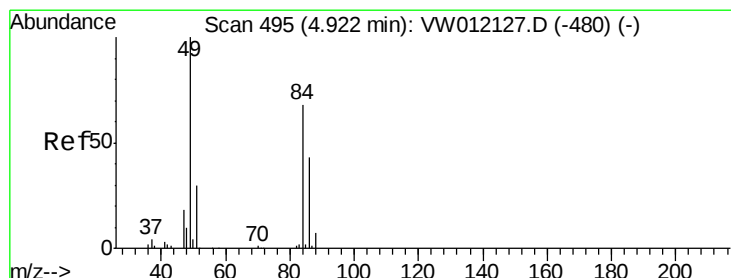
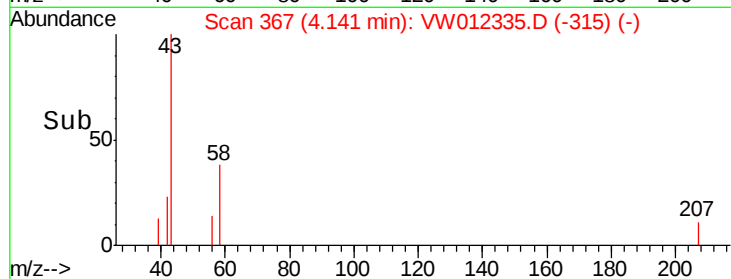
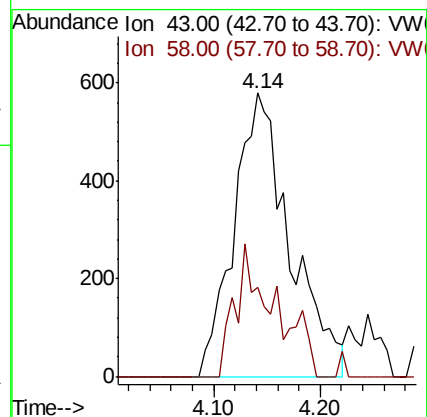
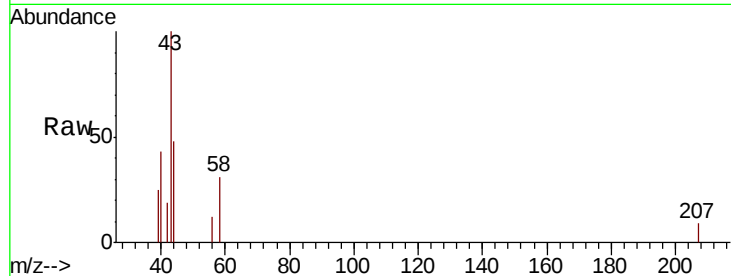




#16
Acetone
Concen: 3.741 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012335.D
Acq: 30 Aug 2019 06:16

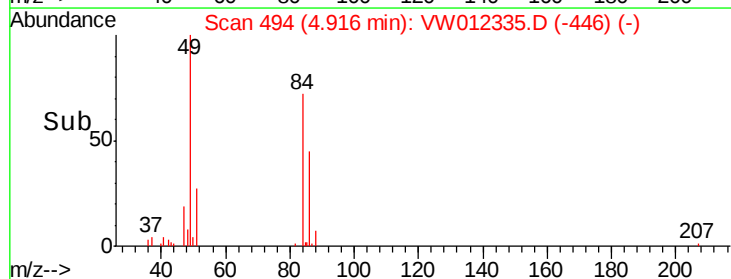
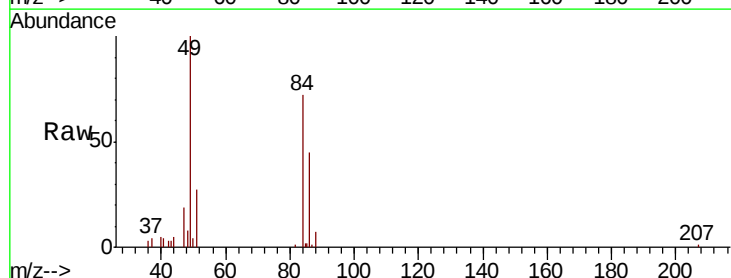
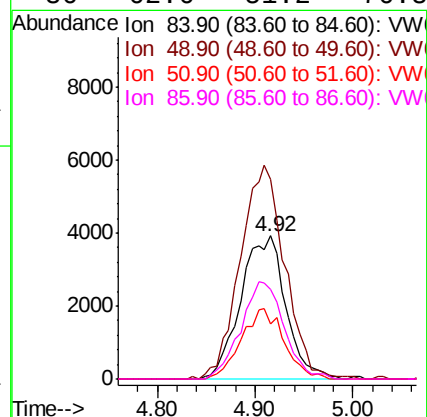
Instrument :
MSVOA_W
ClientSampleId :
SB-14-(13-15)

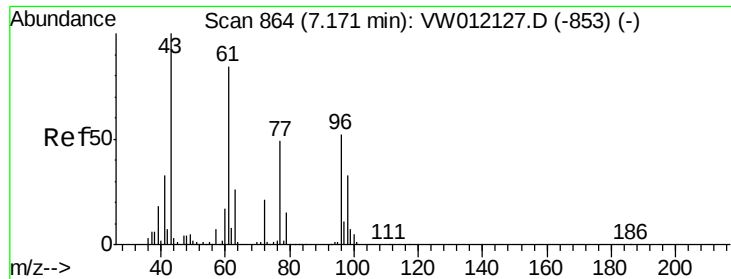
Tgt Ion: 43 Resp: 2125
Ion Ratio Lower Upper
43 100
58 31.3 22.4 33.6



#20
Methylene Chloride
Concen: 5.839 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012335.D
Acq: 30 Aug 2019 06:16

Tgt Ion: 84 Resp: 12538
Ion Ratio Lower Upper
84 100
49 138.1 117.8 176.8
51 38.1 35.6 53.4
86 62.6 51.2 76.8





#25

2-Butanone

Concen: 3.473 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW012335.D

Acq: 30 Aug 2019 06:16

Instrument :

MSVOA_W

ClientSampleId :

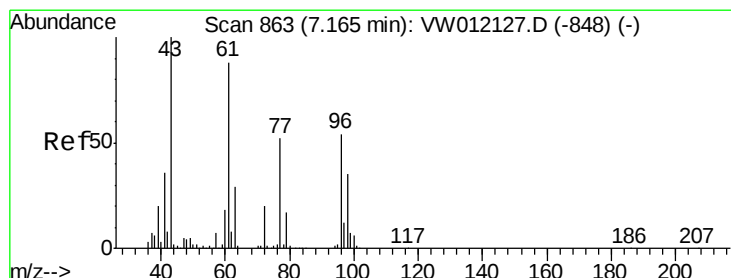
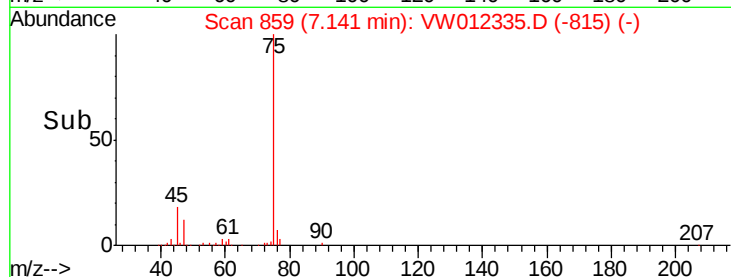
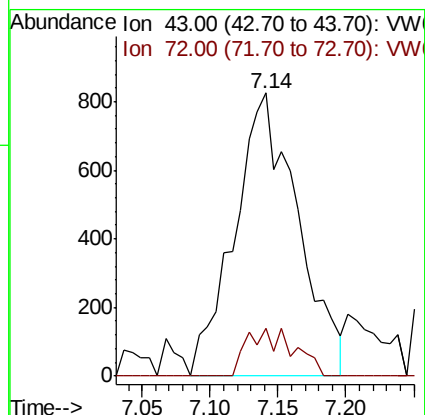
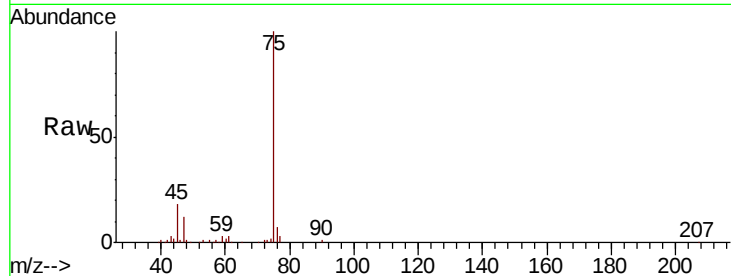
SB-14-(13-15)

Tgt Ion: 43 Resp: 2681

Ion Ratio Lower Upper

43 100

72 16.7 16.6 24.8



#26

2,2-Dichloropropane

Concen: 1.232 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW012335.D

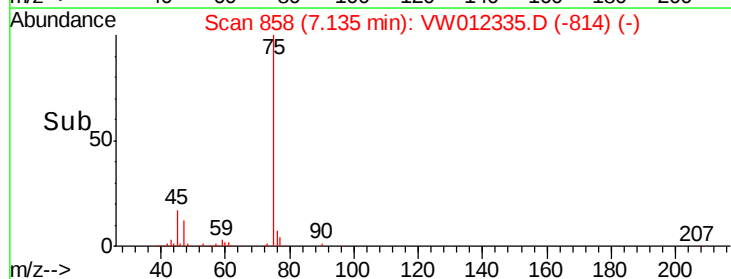
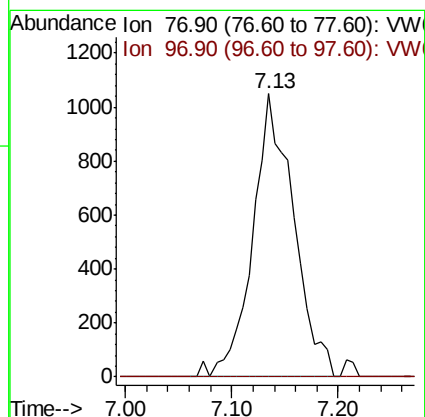
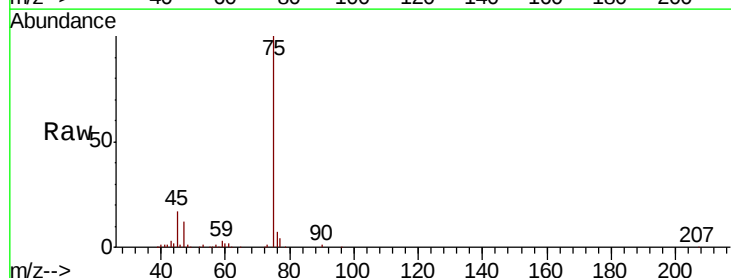
Acq: 30 Aug 2019 06:16

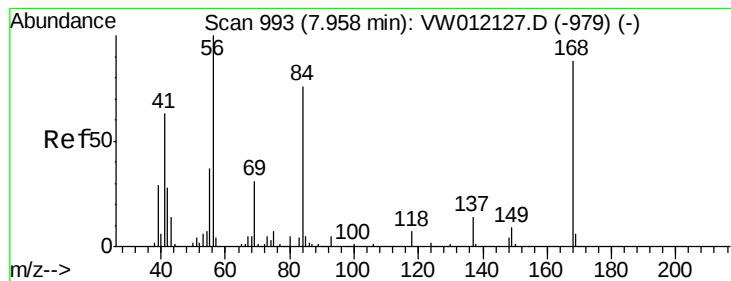
Tgt Ion: 77 Resp: 2821

Ion Ratio Lower Upper

77 100

97 0.0 11.1 33.1#





#31

Cyclohexane

Concen: 1.205 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012335.D

Acq: 30 Aug 2019 06:16

Instrument :

MSVOA_W

ClientSampleId :

SB-14-(13-15)

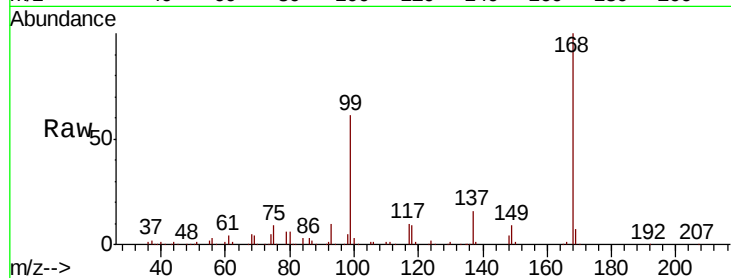
Tgt Ion: 56 Resp: 4822

Ion Ratio Lower Upper

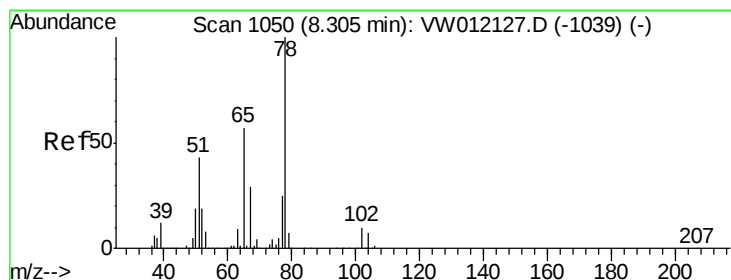
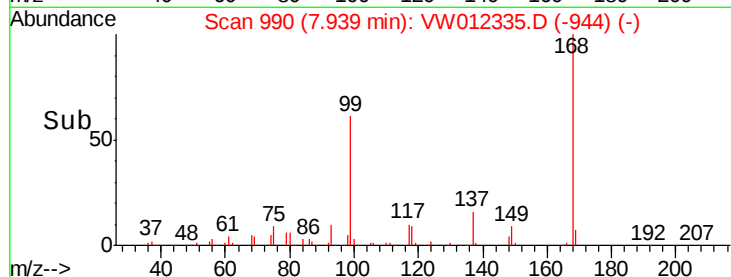
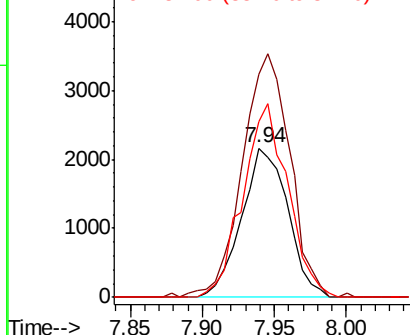
56 100

69 149.1 24.9 37.3#

84 117.7 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: 50.864 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012335.D

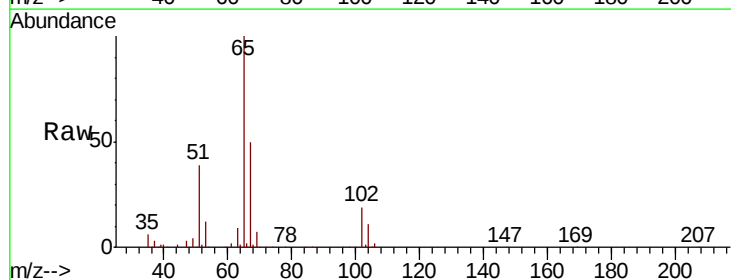
Acq: 30 Aug 2019 06:16

Tgt Ion: 65 Resp: 113026

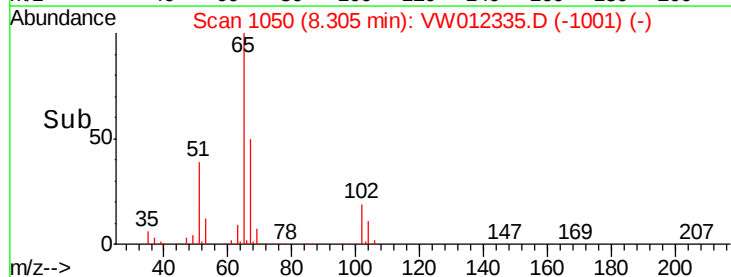
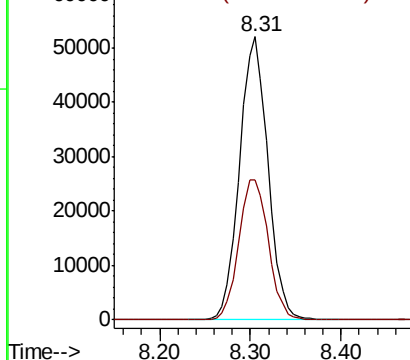
Ion Ratio Lower Upper

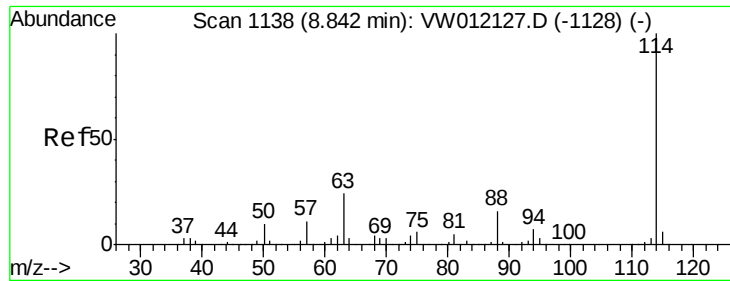
65 100

67 51.7 0.0 102.6



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

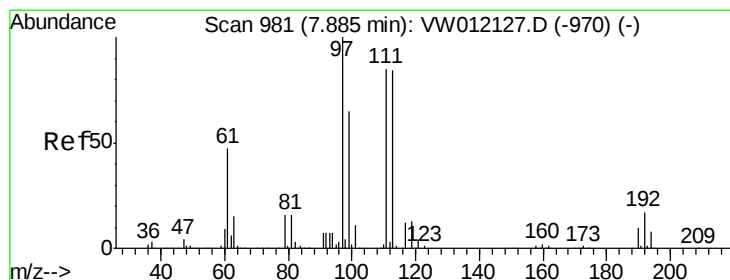
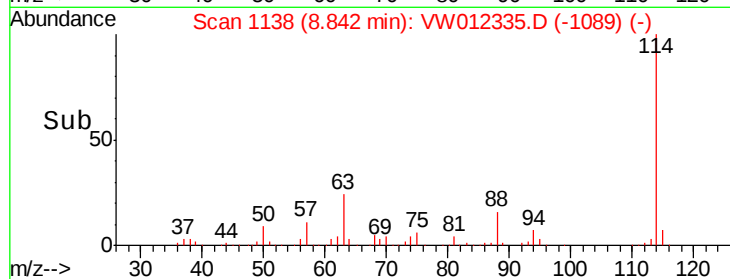
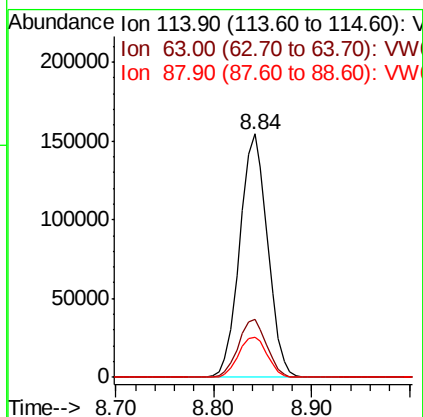
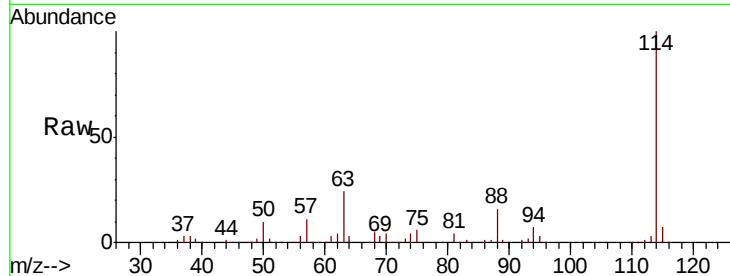




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012335.D
 Acq: 30 Aug 2019 06:16

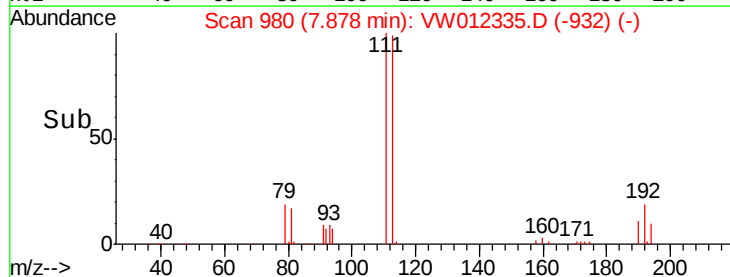
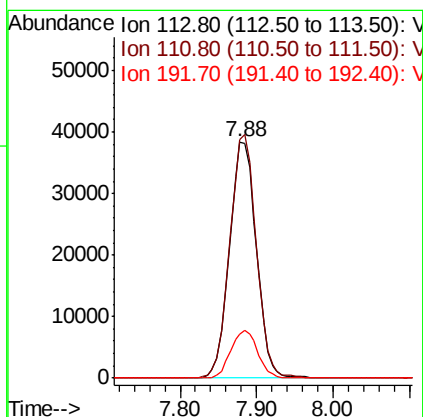
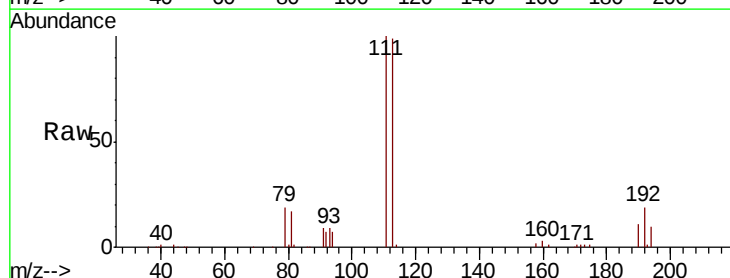
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-14-(13-15)

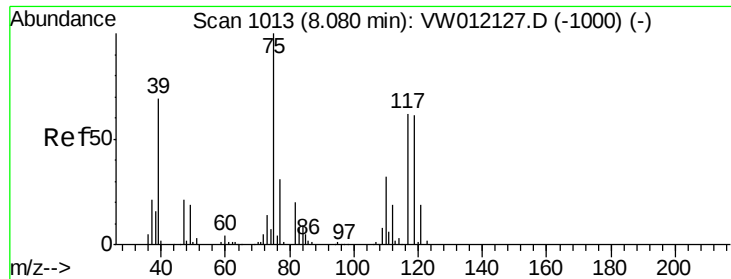
Tgt Ion:114 Resp: 304769
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 48.6
 88 16.4 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 51.351 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012335.D
 Acq: 30 Aug 2019 06:16

Tgt Ion:113 Resp: 93417
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.7 124.1
 192 20.2 16.2 24.2

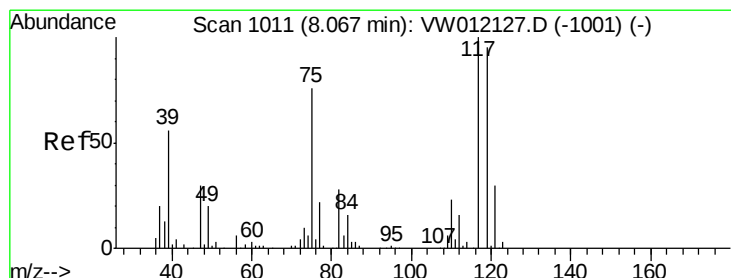
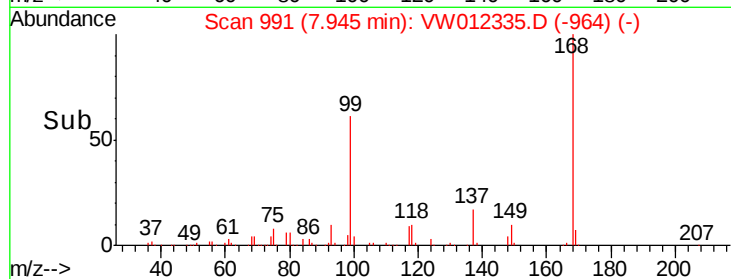
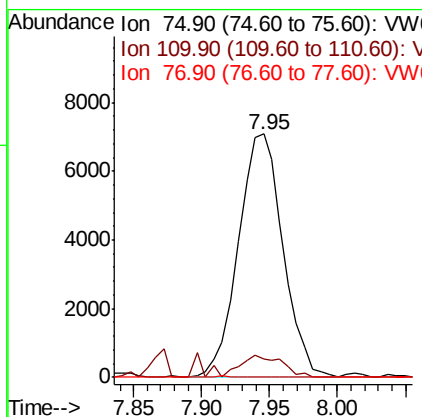
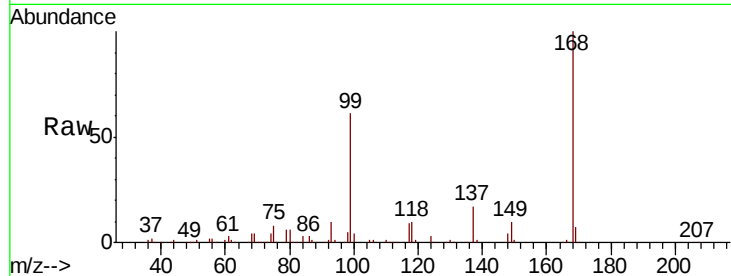




#36
 1,1-Dichloropropene
 Concen: 5.142 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012335.D
 Acq: 30 Aug 2019 06:16

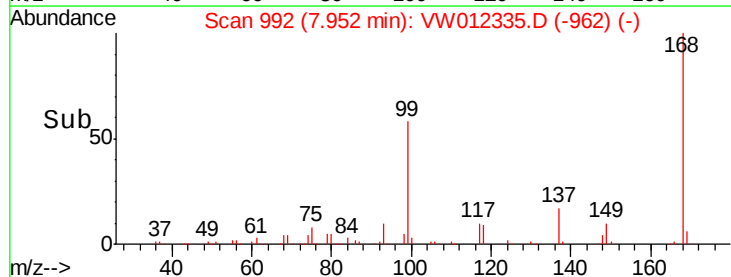
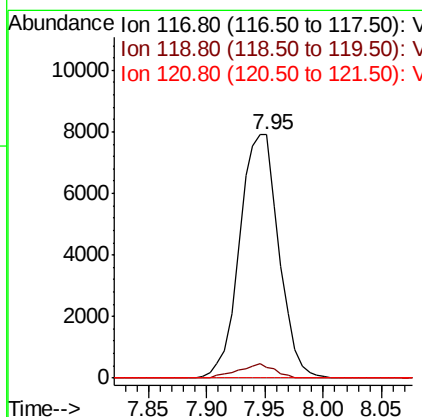
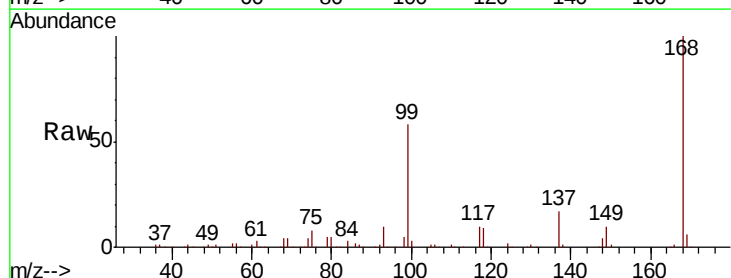
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-14-(13-15)

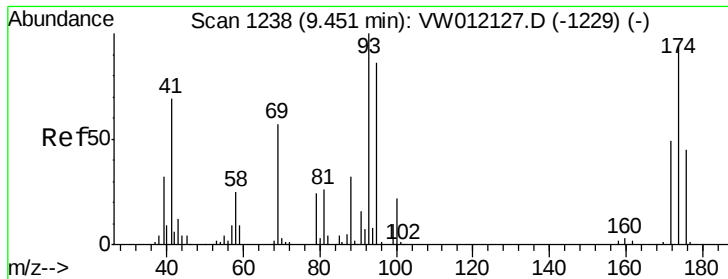
Tgt Ion: 75 Resp: 16194
 Ion Ratio Lower Upper
 75 100
 110 8.5 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.806 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW012335.D
 Acq: 30 Aug 2019 06:16

Tgt Ion: 117 Resp: 18553
 Ion Ratio Lower Upper
 117 100
 119 4.4 76.2 114.2#
 121 0.0 23.8 35.8#

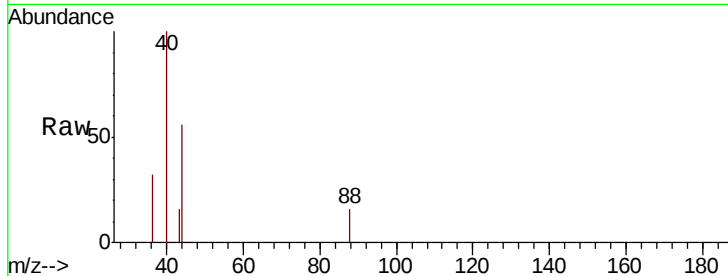




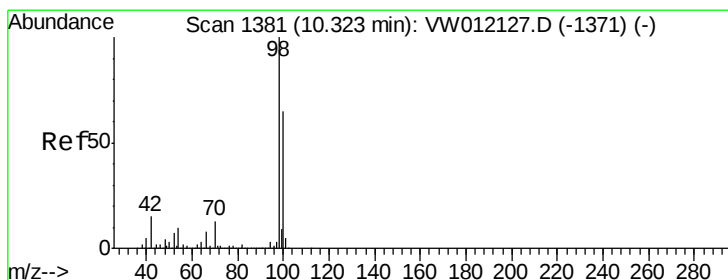
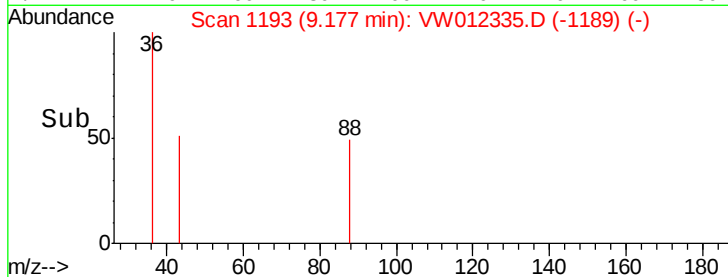
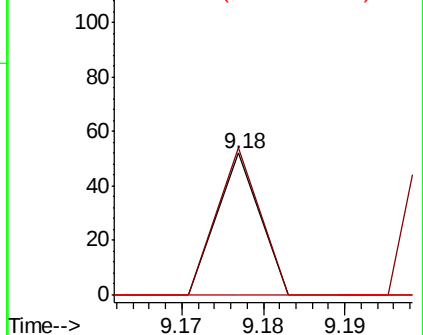
#49
 1,4-Dioxane
 Concen: 1.205 ug/l
 RT: 9.18 min Scan# 1193
 Delta R.T. -0.27 min
 Lab File: VW012335.D
 Acq: 30 Aug 2019 06:16

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-14-(13-15)

Tgt Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 105.3 32.9 49.3#
 58 0.0 71.0 106.4#

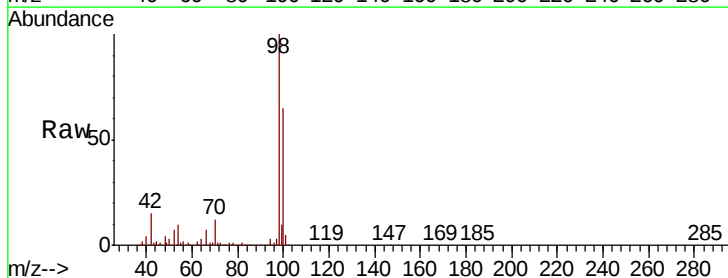


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

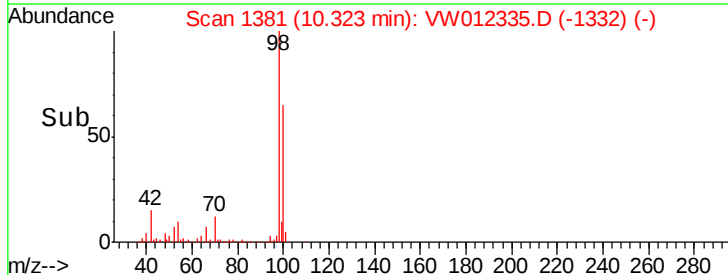
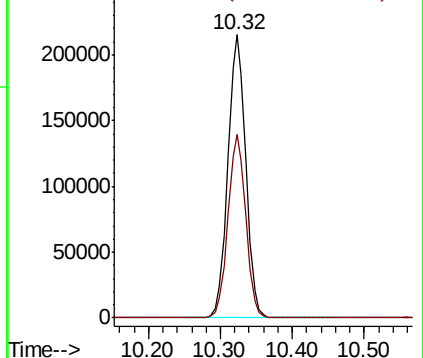


#50
 Toluene-d8
 Concen: 50.560 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012335.D
 Acq: 30 Aug 2019 06:16

Tgt Ion: 98 Resp: 372945
 Ion Ratio Lower Upper
 98 100
 100 64.5 52.4 78.6



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

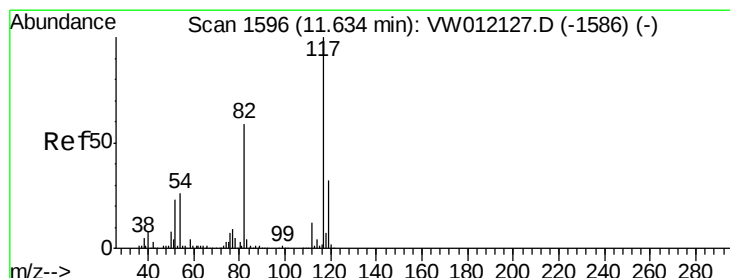
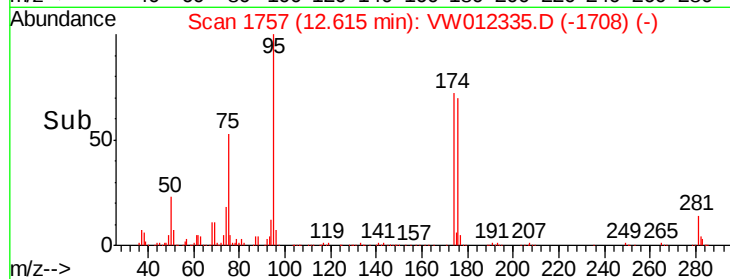
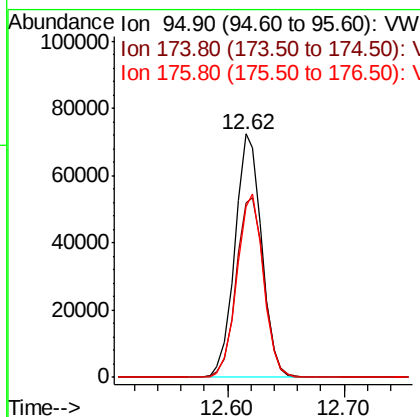
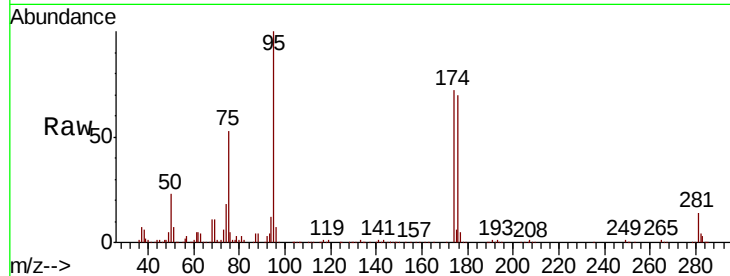




#62
4-Bromofluorobenzene
Concen: 44.458 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012335.D
Acq: 30 Aug 2019 06:16

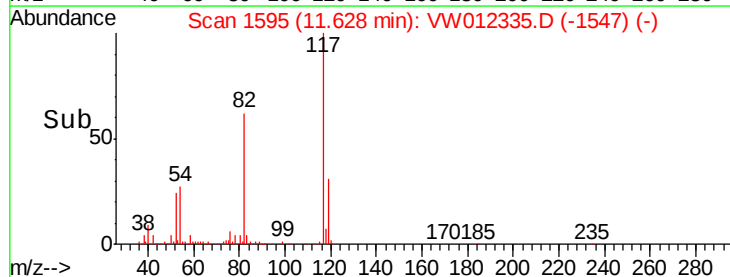
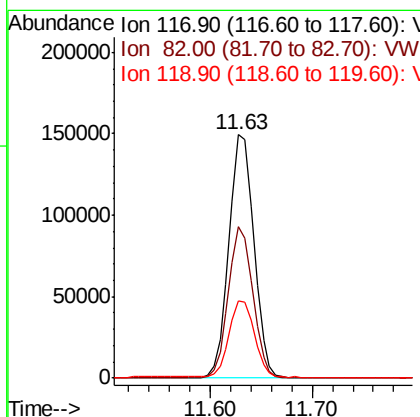
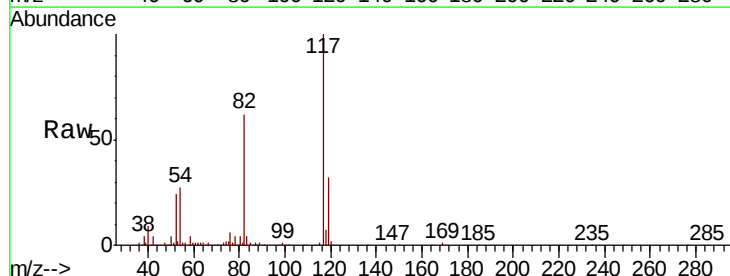
Instrument :
MSVOA_W
ClientSampleId :
SB-14-(13-15)

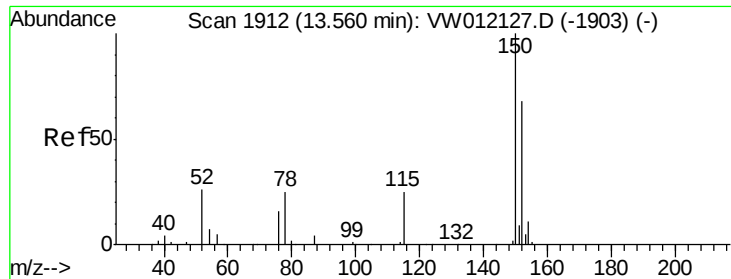
Tgt Ion	Resp	Lower	Upper
95	115595		
174	76.8	0.0	150.8
176	74.8	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012335.D
Acq: 30 Aug 2019 06:16

Tgt Ion	Resp	Lower	Upper
117	253240		
82	62.1	47.4	71.2
119	31.6	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: VW012335.D

Acq: 30 Aug 2019 06:16

Instrument :

MSVOA_W

ClientSampleId :

SB-14-(13-15)

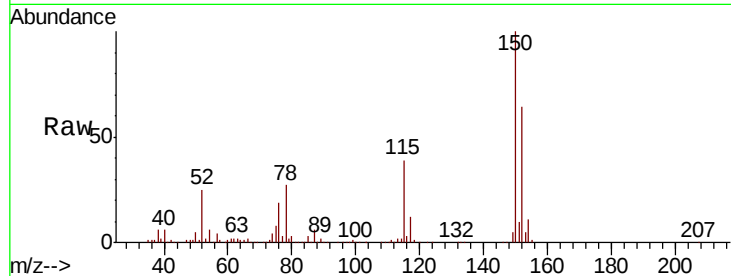
Tgt Ion:152 Resp: 99793

Ion Ratio Lower Upper

152 100

115 60.5 30.1 90.3

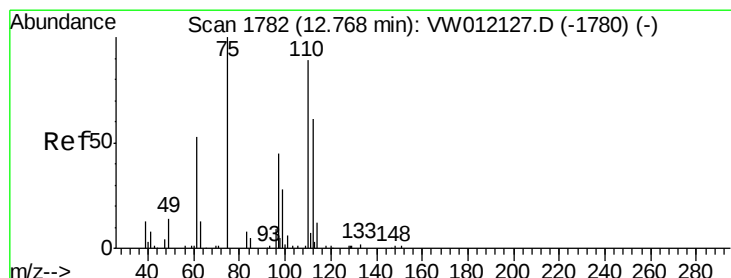
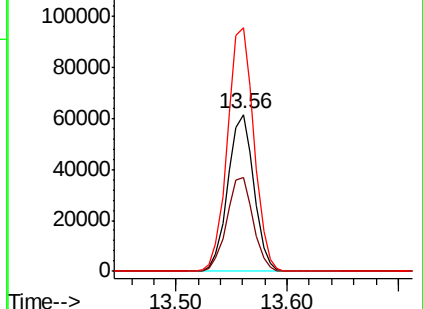
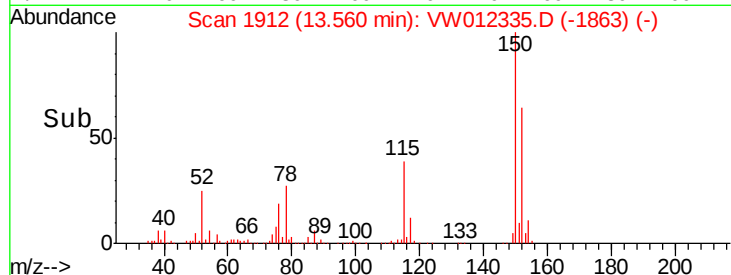
150 157.1 0.0 345.8



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: 64.370 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012335.D

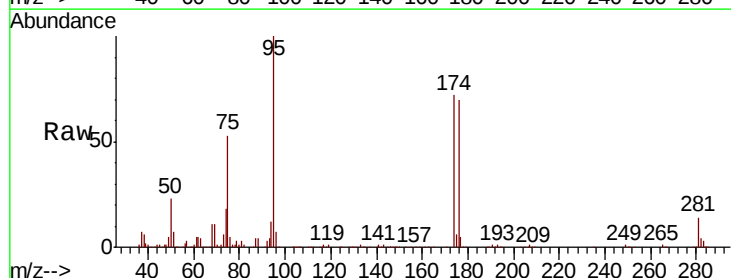
Acq: 30 Aug 2019 06:16

Tgt Ion: 75 Resp: 62562

Ion Ratio Lower Upper

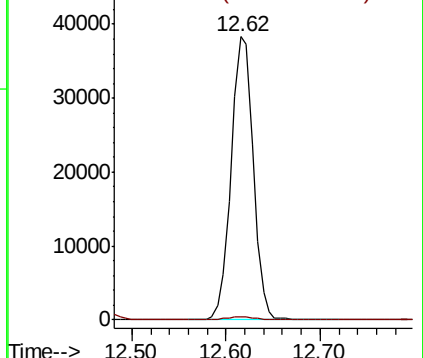
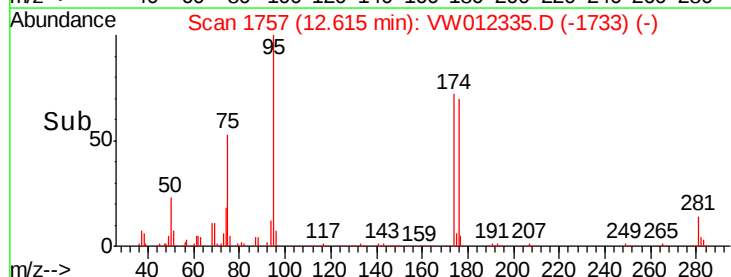
75 100

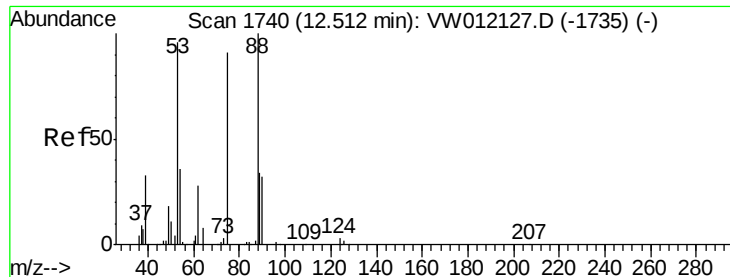
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

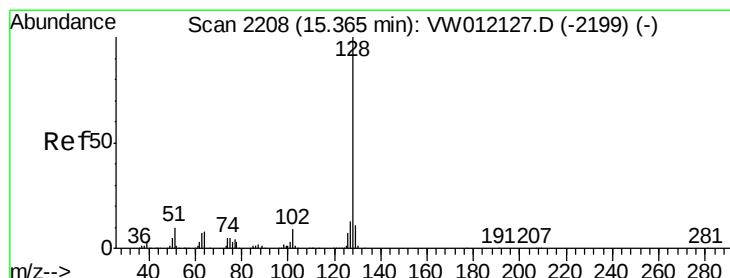
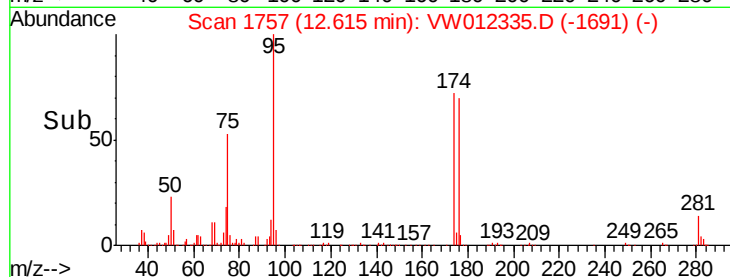
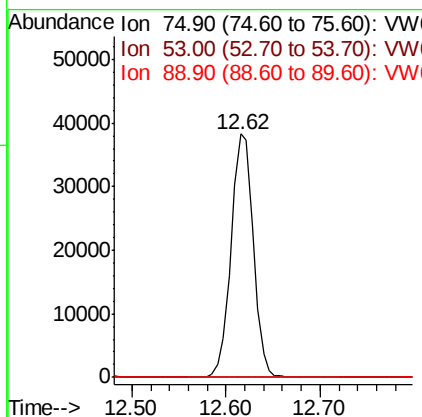
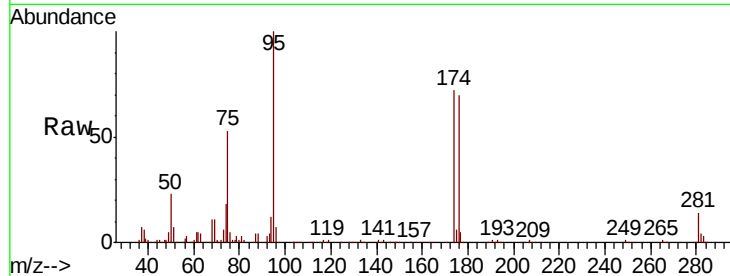




#81
trans-1,4-Dichloro-2-butene
Concen: 141.134 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012335.D
Acq: 30 Aug 2019 06:16

Instrument :
MSVOA_W
ClientSampleId :
SB-14-(13-15)

Tgt Ion: 75 Resp: 62562
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.2 34.5 51.7#



#95
Naphthalene
Concen: 4.369 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012335.D
Acq: 30 Aug 2019 06:16

Tgt Ion: 128 Resp: 199
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

