

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012337.D
 Acq On : 30 Aug 2019 07:08
 Operator : SY/VA
 Sample : K4554-06
 Misc : 4.49G/5ML/MSVOA_W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-12-(13-15)

Quant Time: Aug 30 07:33:48 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	248285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	405382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	330579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	134744	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	144100	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
35) Dibromofluoromethane	7.88	113	118993	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	10.32	98	495660	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.62	95	155601	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	

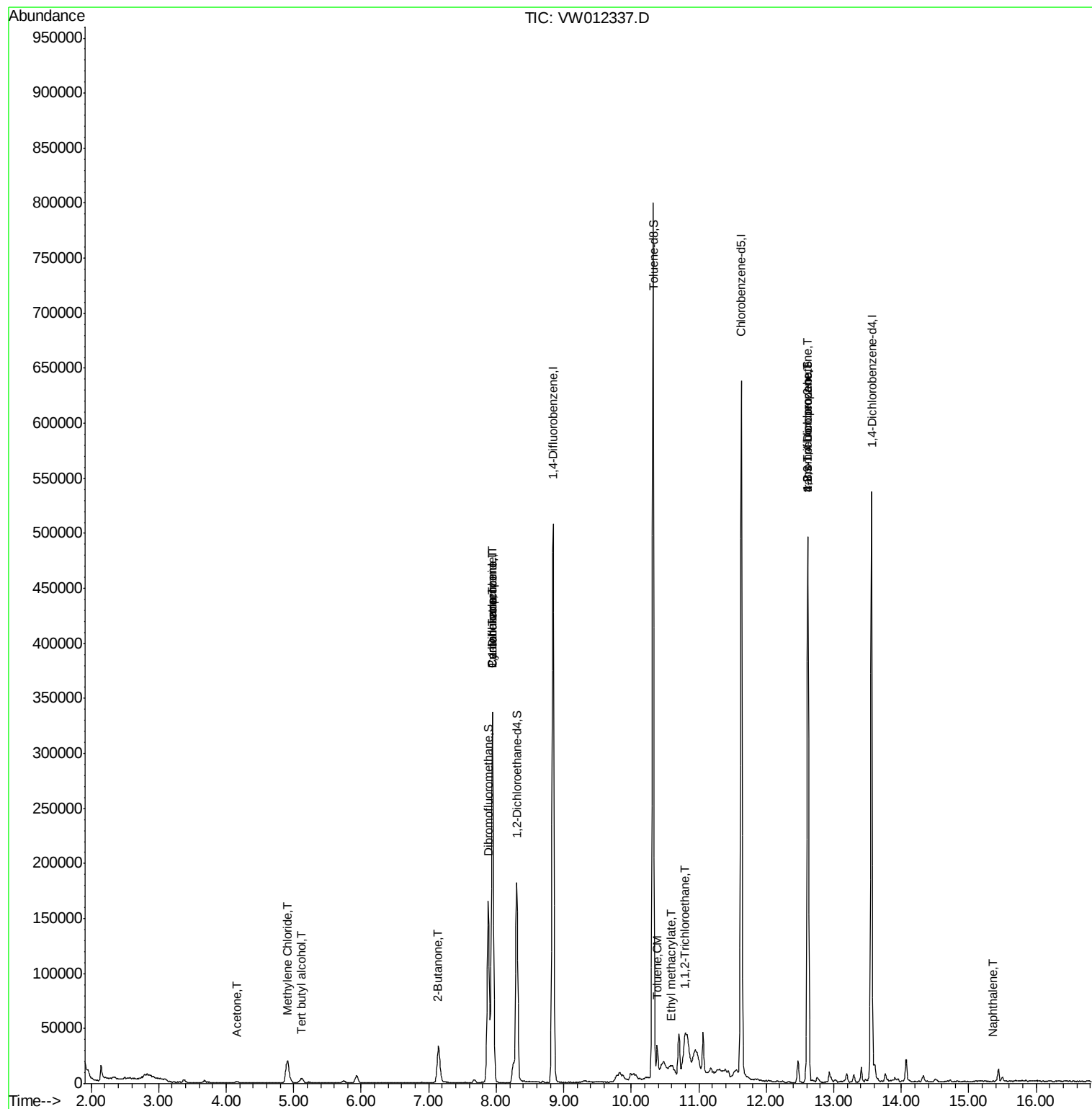
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	3791	21.343	ug/l #	75
16) Acetone	4.15	43	2177	2.885	ug/l #	89
20) Methylene Chloride	4.91	84	15080	5.287	ug/l	96
25) 2-Butanone	7.14	43	2973	2.900	ug/l #	74
31) Cyclohexane	7.94	56	6085	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20892	4.987	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25218	6.955	ug/l #	17
52) Toluene	10.39	92	11412	1.661	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	2807	1.448	ug/l #	14
56) Ethyl methacrylate	10.60	69	13132	4.656	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	83519	63.643	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83519	139.539	ug/l #	6
95) Naphthalene	15.36	128	171	4.352	ug/l #	69

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

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SB-12-(13-15)

Quant Time: Aug 30 07:33:48 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: VW012337.D

Acq: 30 Aug 2019 07:08

Instrument :

MSVOA_W

ClientSampleId :

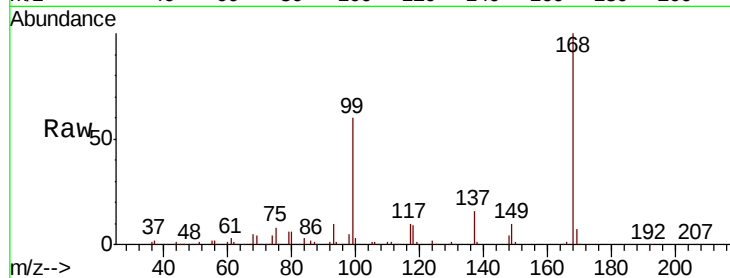
SB-12-(13-15)

Tgt Ion:168 Resp: 248285

Ion Ratio Lower Upper

168 100

99 60.5 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

120000

100000

80000

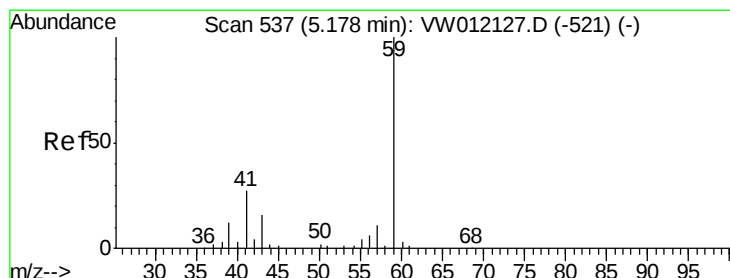
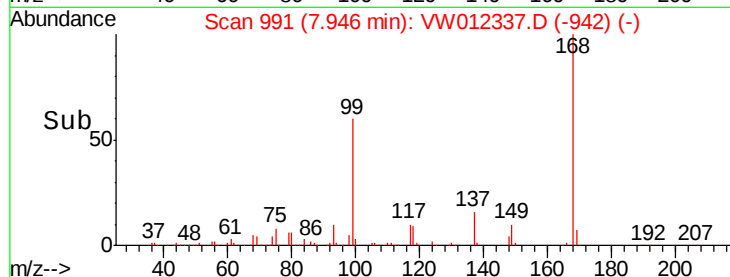
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 21.343 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

Lab File: VW012337.D

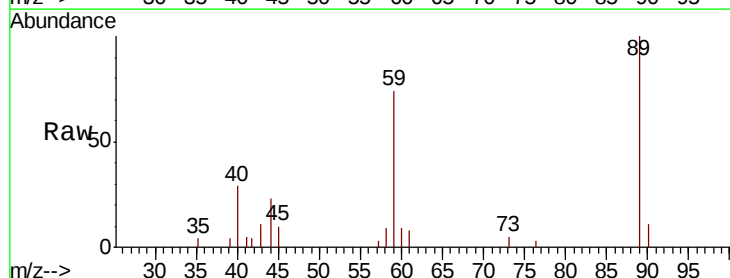
Acq: 30 Aug 2019 07:08

Tgt Ion: 59 Resp: 3791

Ion Ratio Lower Upper

59 100

57 1.6 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

1200

1000

800

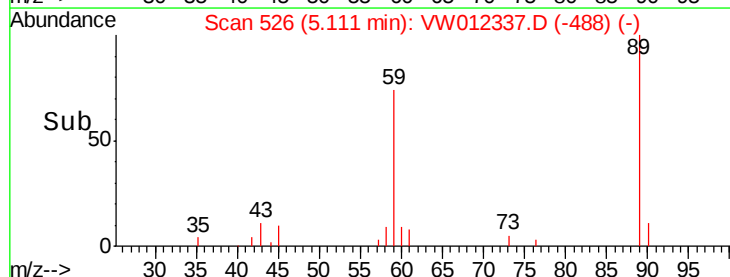
600

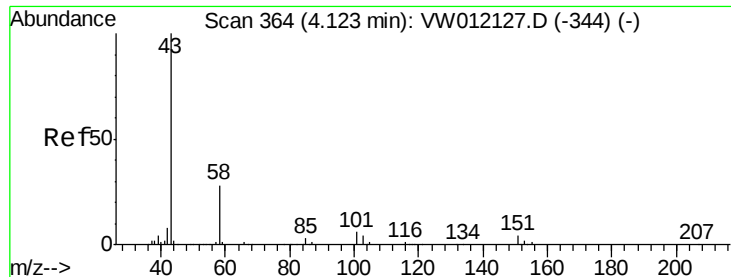
400

200

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 2.885 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.03 min

Lab File: VW012337.D

Acq: 30 Aug 2019 07:08

Instrument :

MSVOA_W

ClientSampleId :

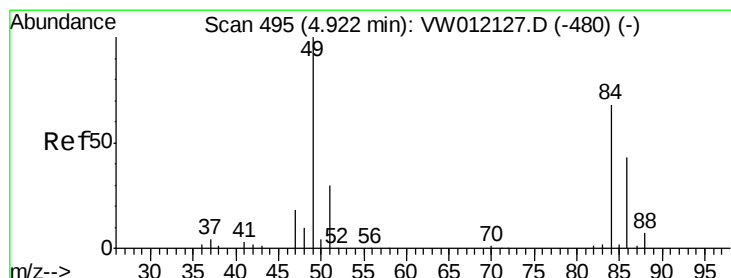
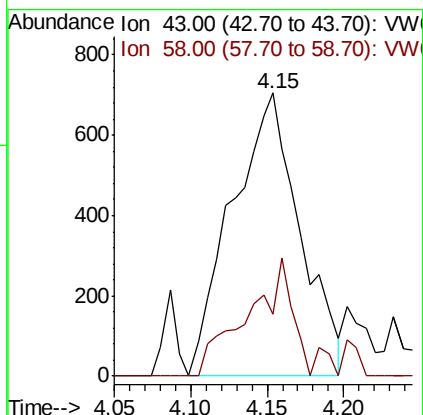
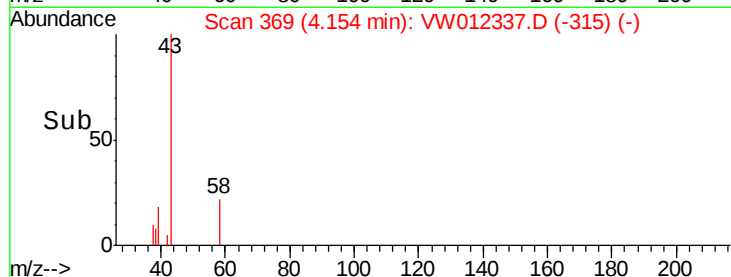
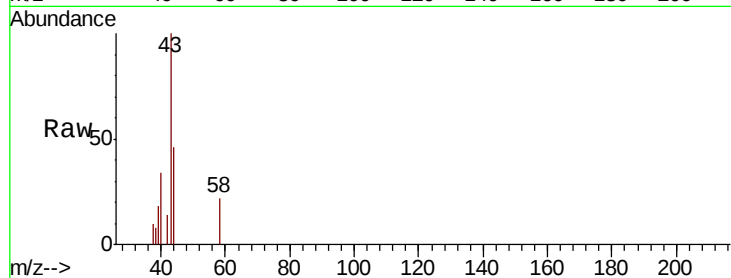
SB-12-(13-15)

Tgt Ion: 43 Resp: 2177

Ion Ratio Lower Upper

43 100

58 22.0 22.4 33.6#



#20

Methylene Chloride

Concen: 5.287 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012337.D

Acq: 30 Aug 2019 07:08

Tgt Ion: 84 Resp: 15080

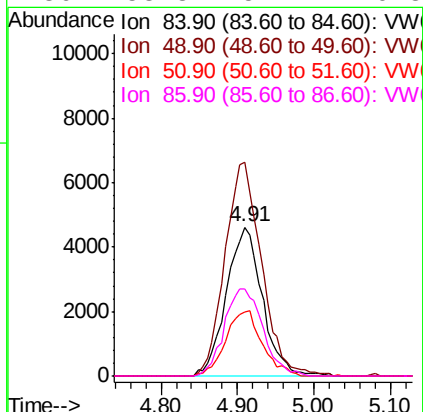
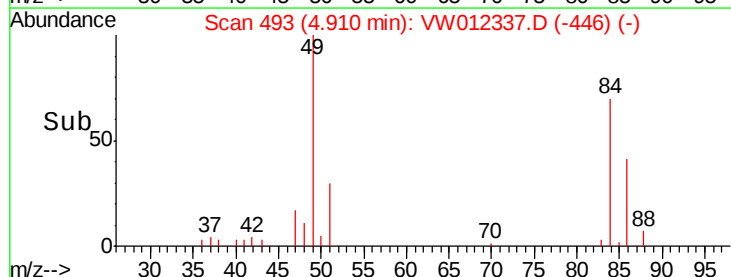
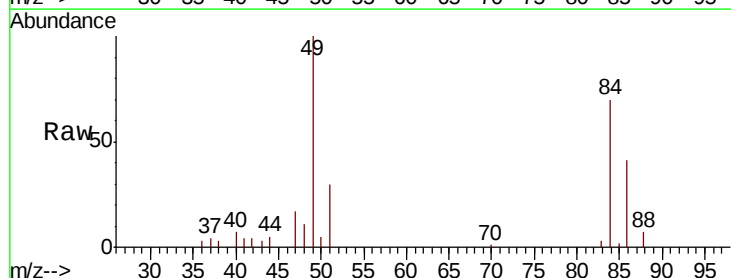
Ion Ratio Lower Upper

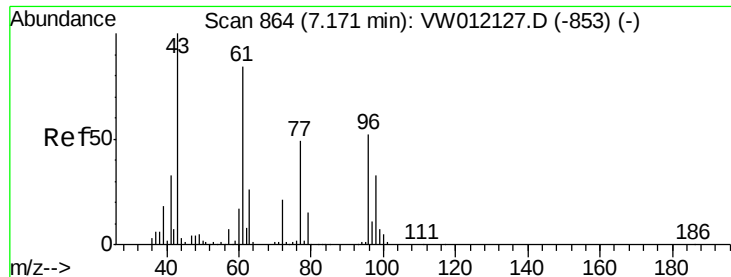
84 100

49 143.5 117.8 176.8

51 43.2 35.6 53.4

86 58.8 51.2 76.8





#25

2-Butanone

Concen: 2.900 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW012337.D

Acq: 30 Aug 2019 07:08

Instrument :

MSVOA_W

ClientSampleId :

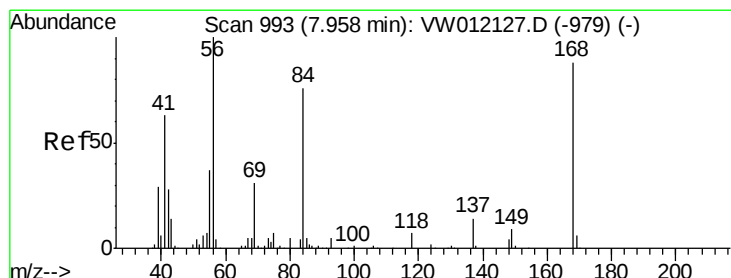
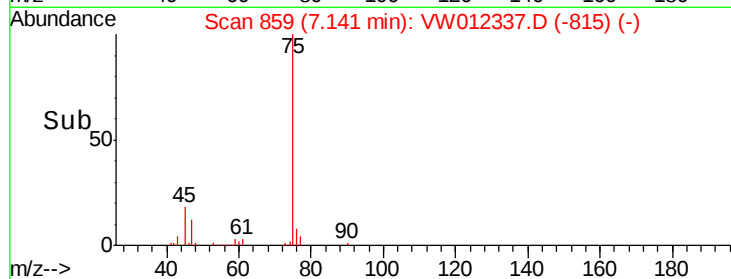
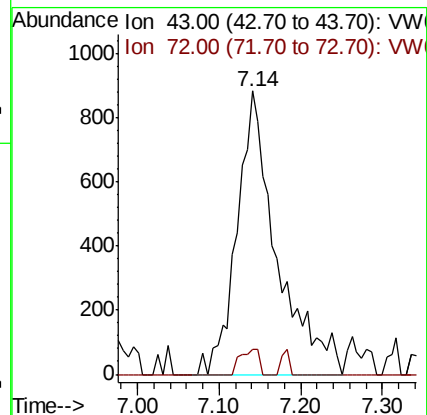
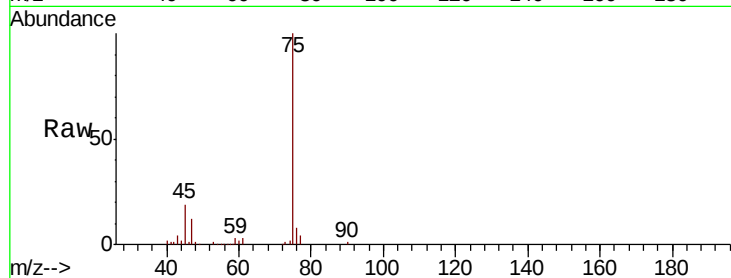
SB-12-(13-15)

Tgt Ion: 43 Resp: 2973

Ion Ratio Lower Upper

43 100

72 8.6 16.6 24.8#



#31

Cyclohexane

Concen: 1.145 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012337.D

Acq: 30 Aug 2019 07:08

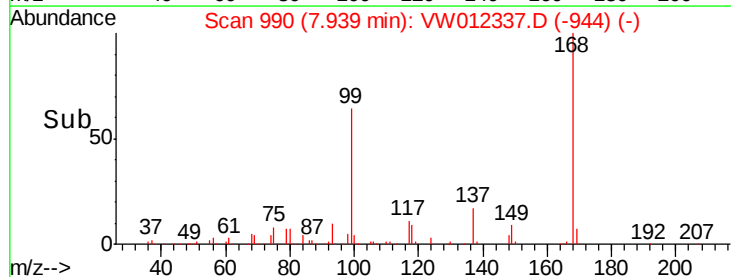
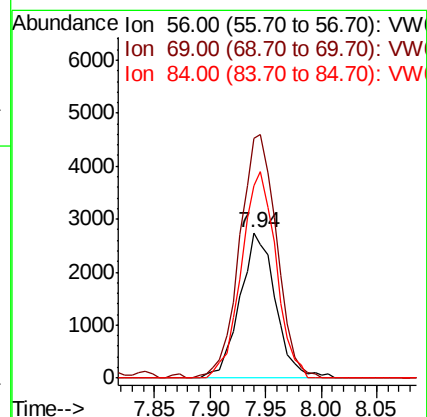
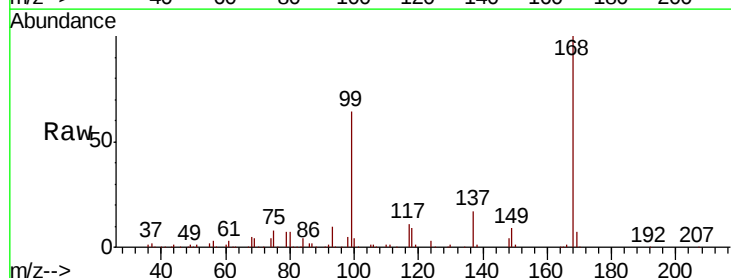
Tgt Ion: 56 Resp: 6085

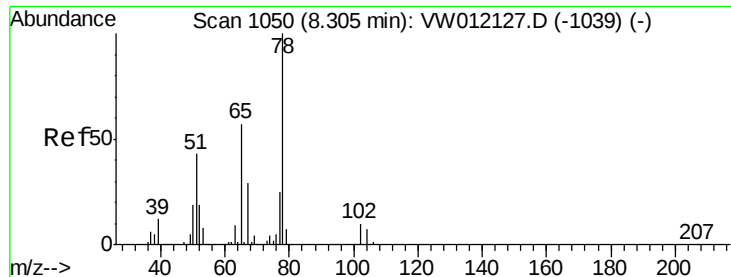
Ion Ratio Lower Upper

56 100

69 164.9 24.9 37.3#

84 132.2 60.6 90.8#

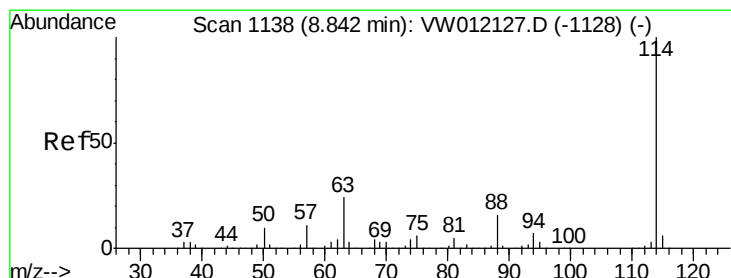
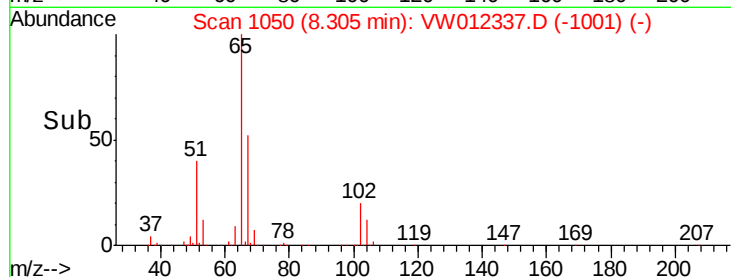
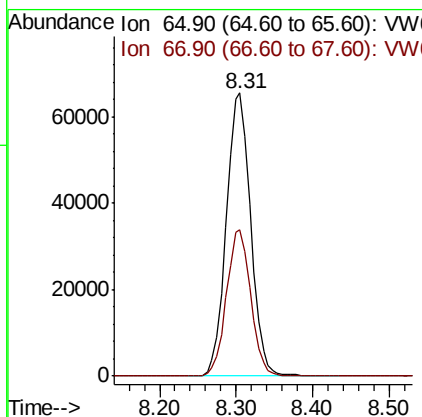
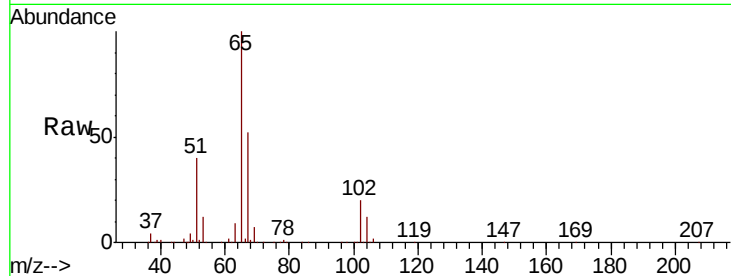




#33
 1,2-Dichloroethane-d4
 Concen: 48.823 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012337.D
 Acq: 30 Aug 2019 07:08

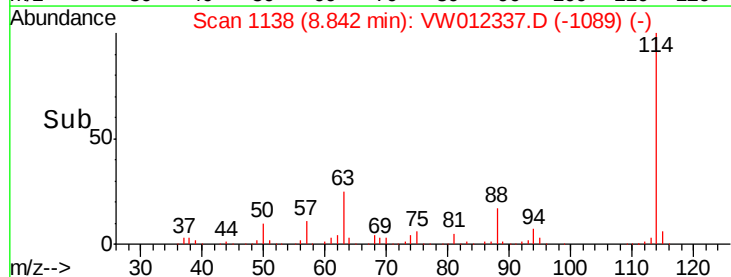
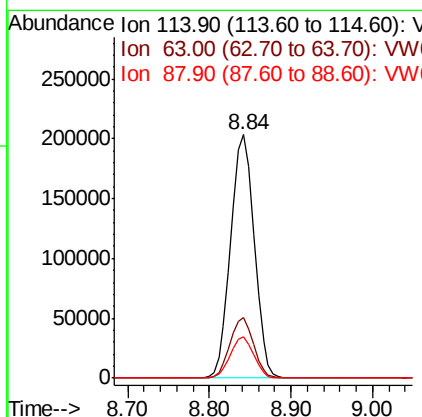
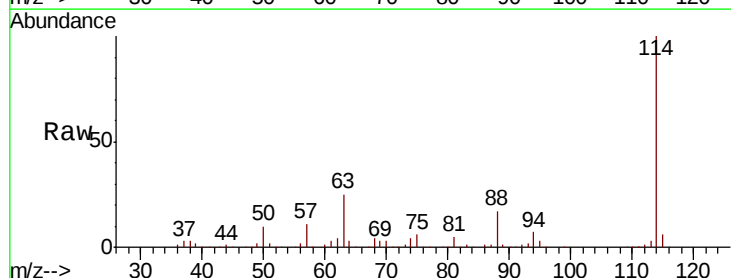
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-12-(13-15)

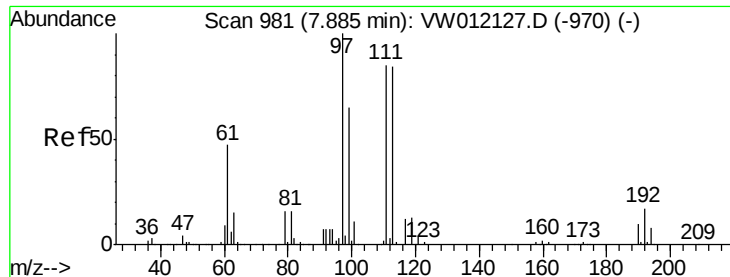
Tgt Ion: 65 Resp: 144100
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012337.D
 Acq: 30 Aug 2019 07:08

Tgt Ion: 114 Resp: 405382
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 48.6
 88 17.2 0.0 32.2

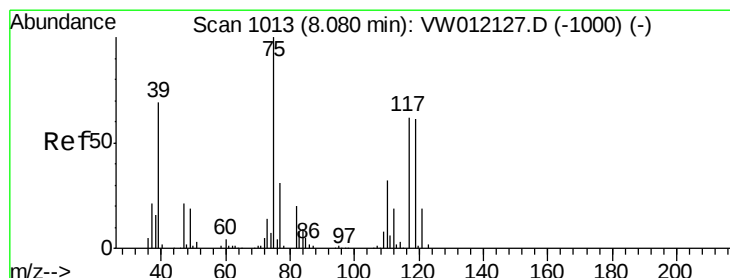
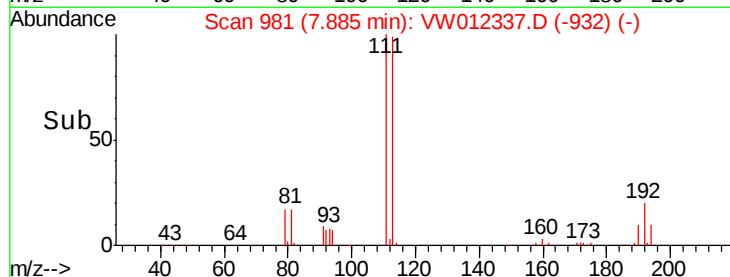
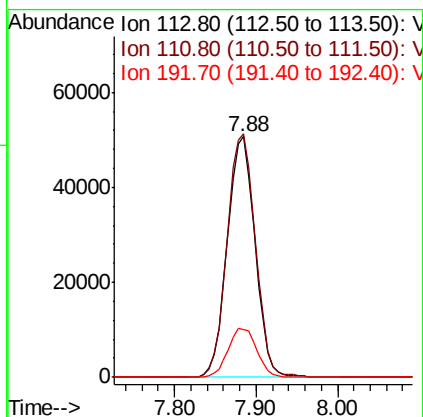
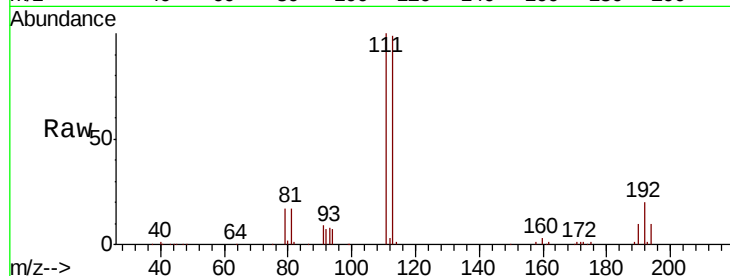




#35
 Dibromofluoromethane
 Concen: 49.176 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012337.D
 Acq: 30 Aug 2019 07:08

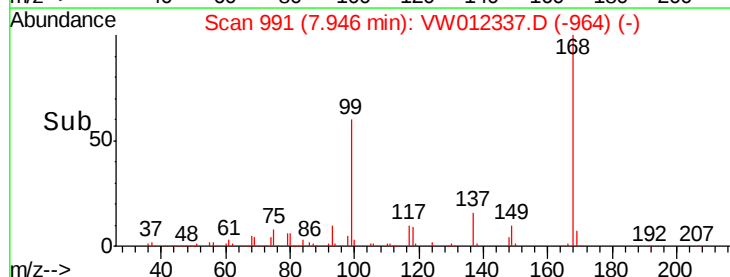
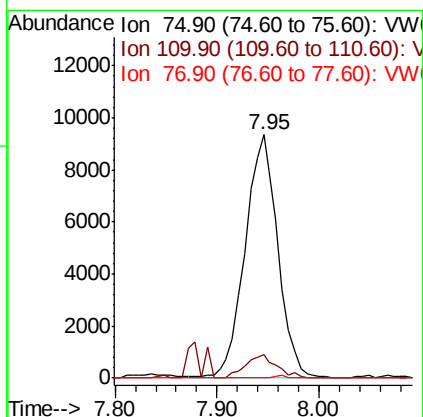
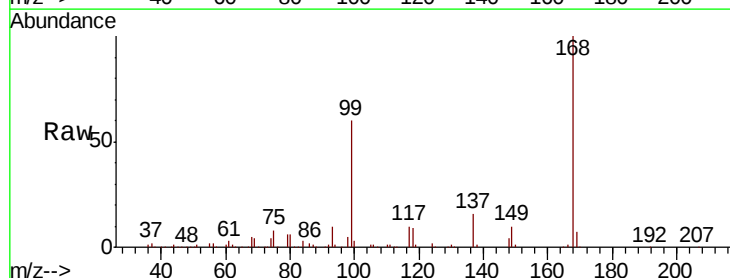
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-12-(13-15)

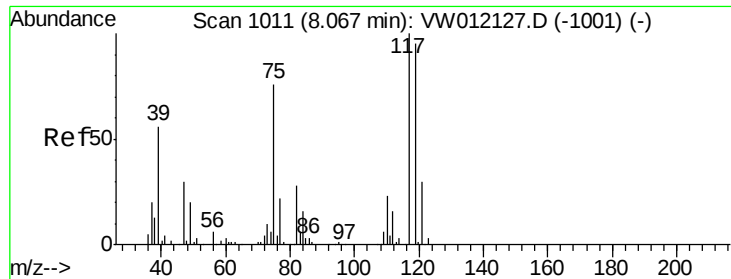
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.7	124.1
192	21.0	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.987 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012337.D
 Acq: 30 Aug 2019 07:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	15.6	46.8#
77	0.3	24.6	36.8#

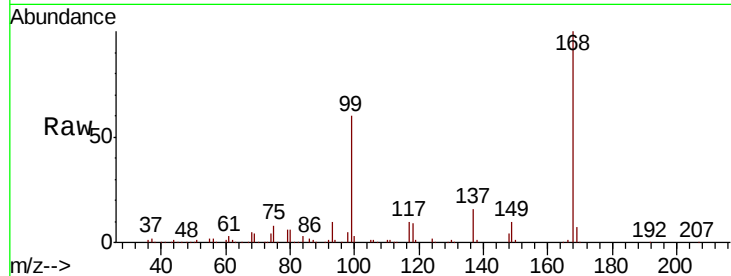




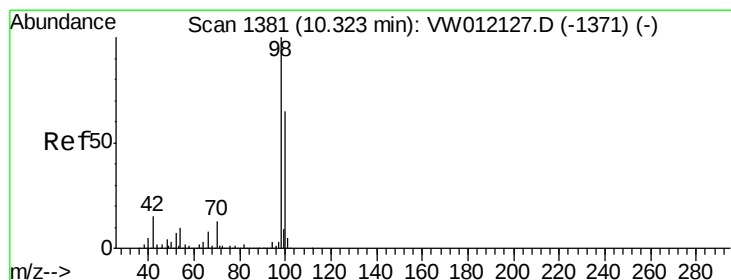
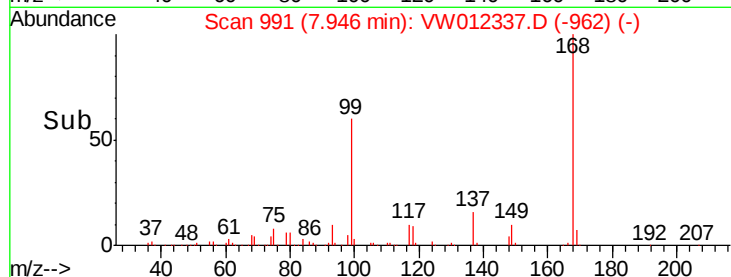
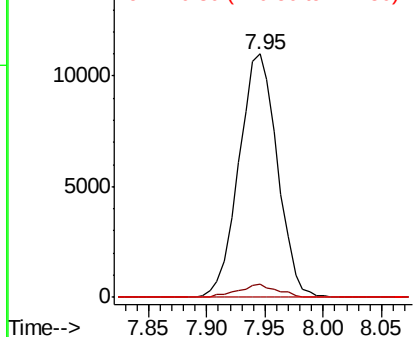
#38
Carbon Tetrachloride
Concen: 6.955 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012337.D
Acq: 30 Aug 2019 07:08

Instrument :
MSVOA_W
ClientSampleId :
SB-12-(13-15)

Tgt Ion:117 Resp: 25218
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.2#
121 0.0 23.8 35.8#

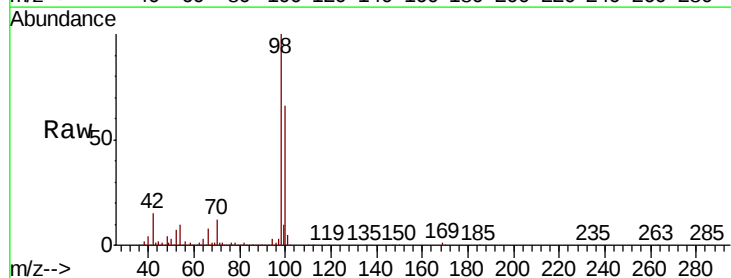


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

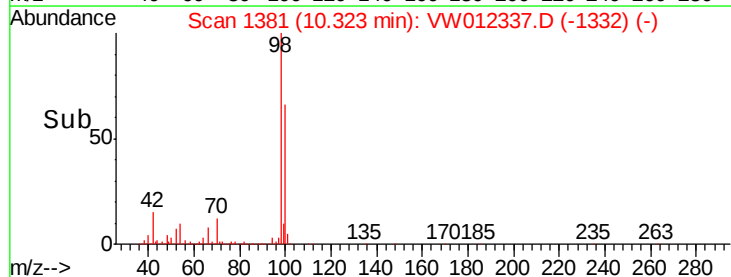
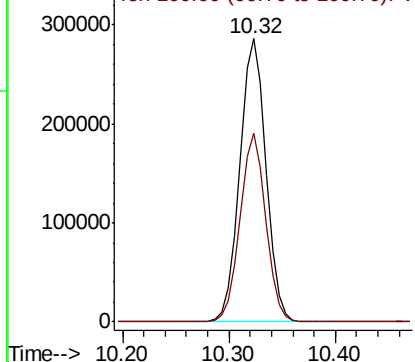


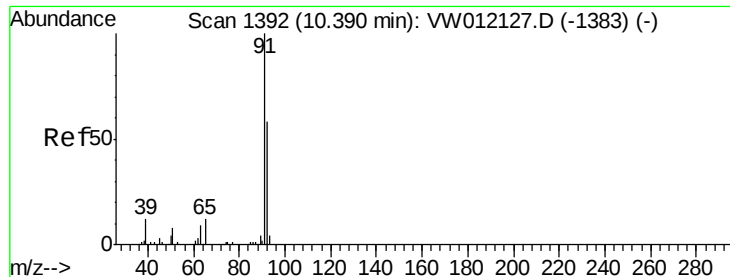
#50
Toluene-d8
Concen: 50.519 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012337.D
Acq: 30 Aug 2019 07:08

Tgt Ion: 98 Resp: 495660
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



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





#52

Toluene

Concen: 1.661 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW012337.D

Acq: 30 Aug 2019 07:08

Instrument :

MSVOA_W

ClientSampleId :

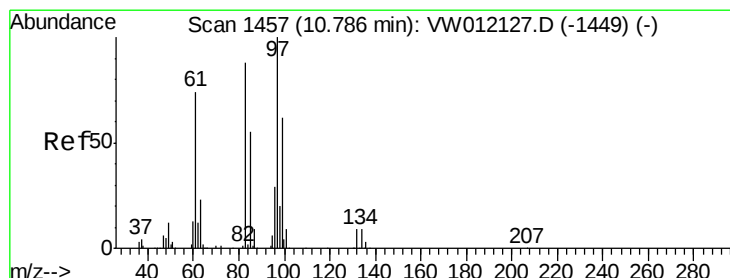
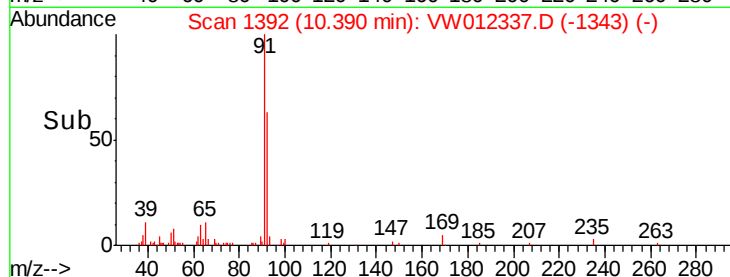
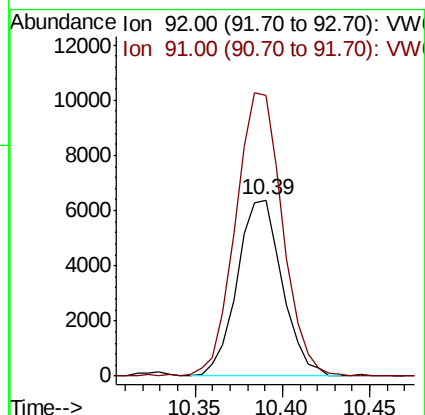
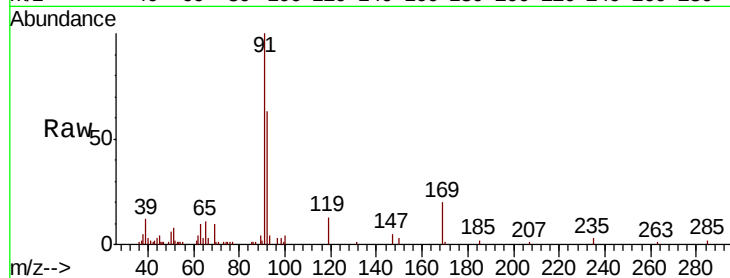
SB-12-(13-15)

Tgt Ion: 92 Resp: 11412

Ion Ratio Lower Upper

92 100

91 168.2 136.6 204.8



#55

1,1,2-Trichloroethane

Concen: 1.448 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW012337.D

Acq: 30 Aug 2019 07:08

Tgt Ion: 97 Resp: 2807

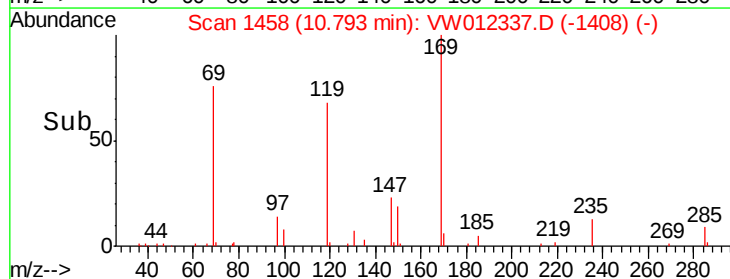
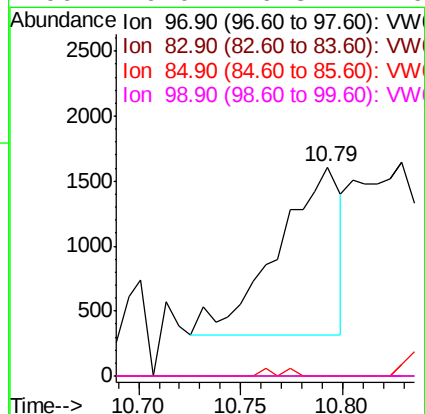
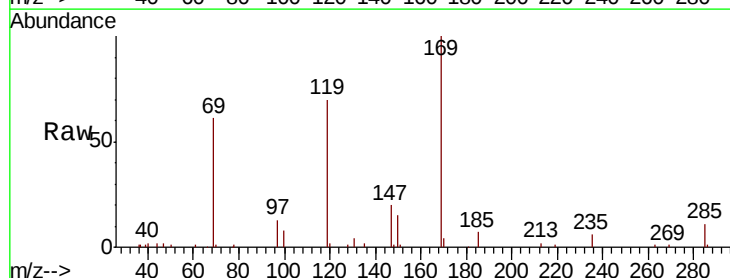
Ion Ratio Lower Upper

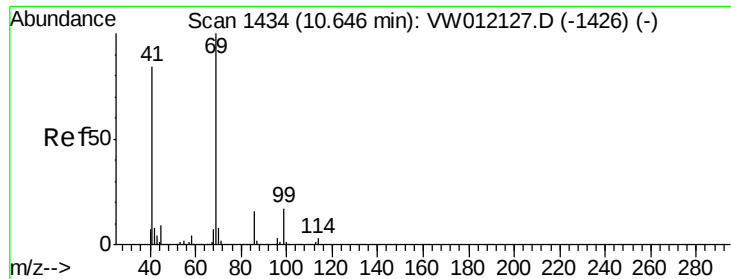
97 100

83 0.0 70.8 106.2#

85 0.0 43.8 65.8#

99 0.0 49.8 74.6#

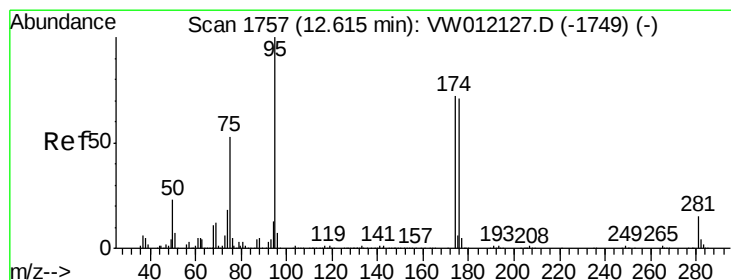
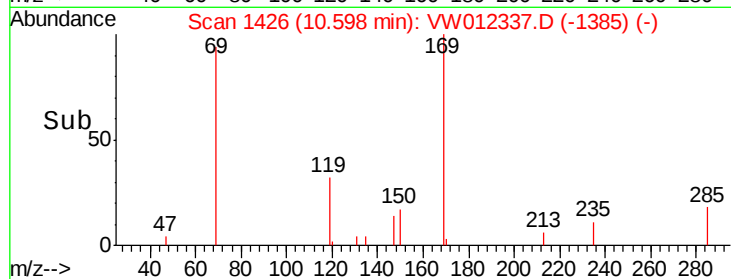
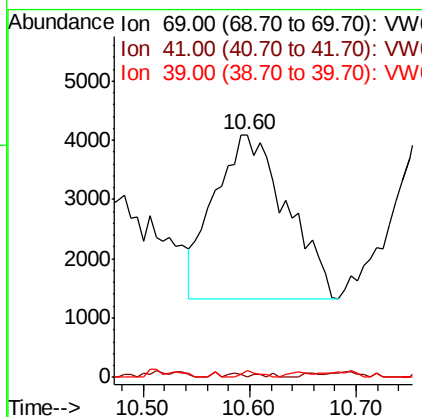
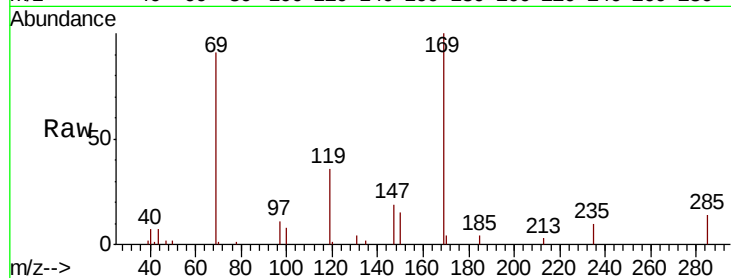




#56
Ethyl methacrylate
Concen: 4.656 ug/l
RT: 10.60 min Scan# 1426
Delta R.T. -0.05 min
Lab File: VW012337.D
Acq: 30 Aug 2019 07:08

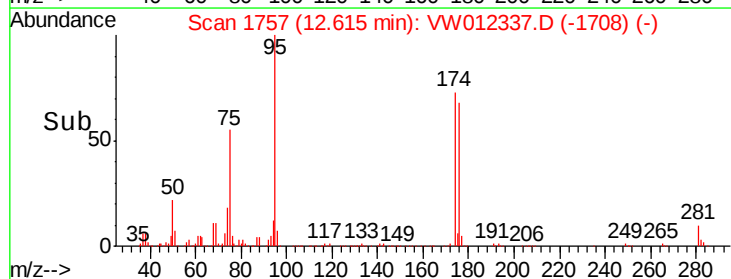
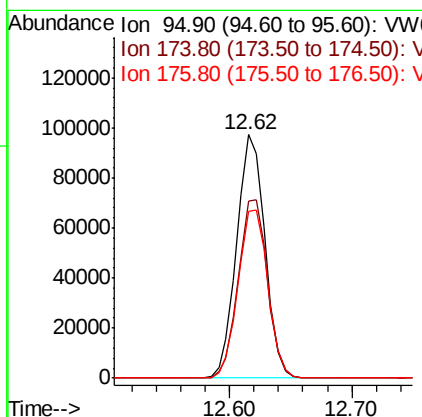
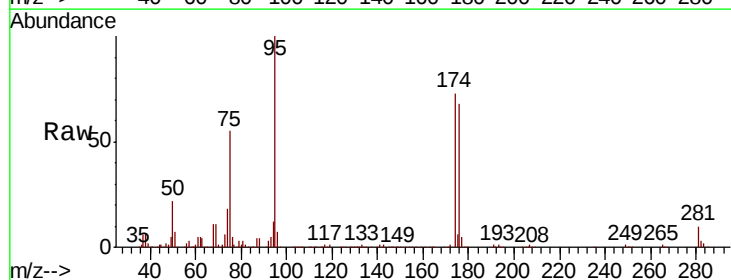
Instrument :
MSVOA_W
ClientSampled :
SB-12-(13-15)

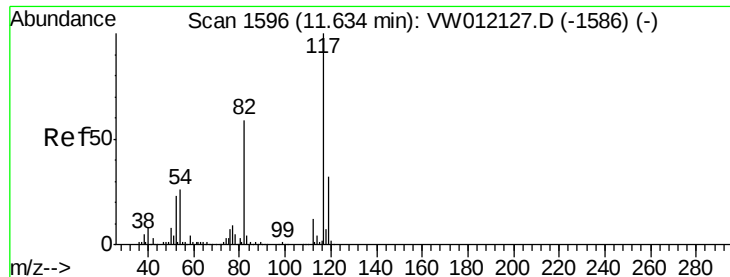
Tgt Ion: 69 Resp: 13132
Ion Ratio Lower Upper
69 100
41 0.3 66.5 99.7#
39 1.0 31.0 46.4#



#62
4-Bromofluorobenzene
Concen: 44.991 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012337.D
Acq: 30 Aug 2019 07:08

Tgt Ion: 95 Resp: 155601
Ion Ratio Lower Upper
95 100
174 75.7 0.0 150.8
176 72.8 0.0 148.6

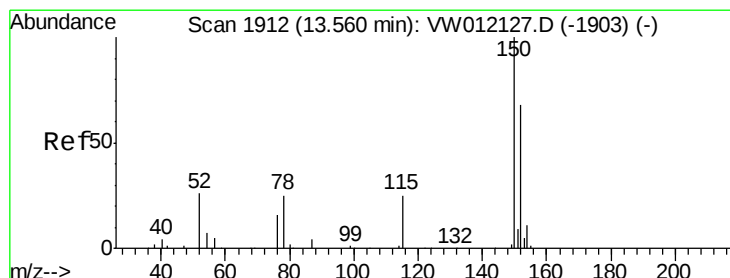
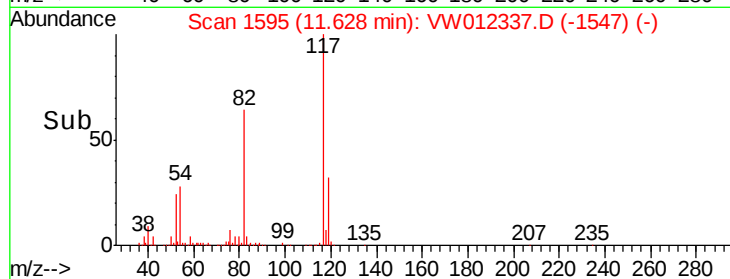
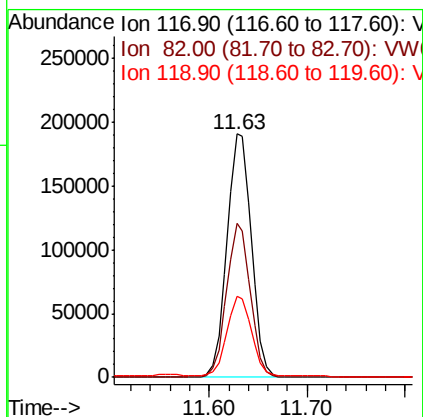
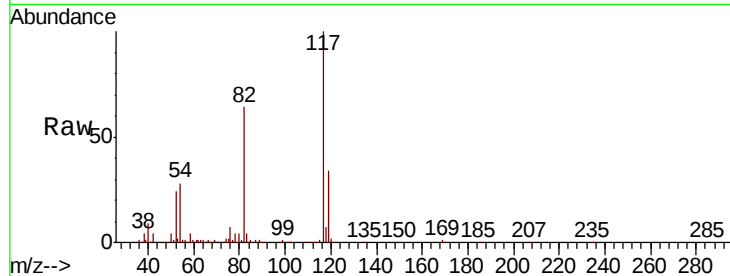




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012337.D
Acq: 30 Aug 2019 07:08

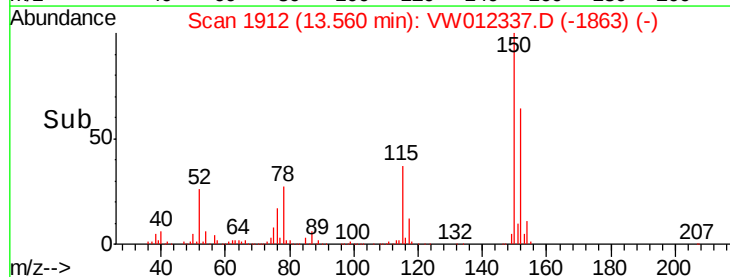
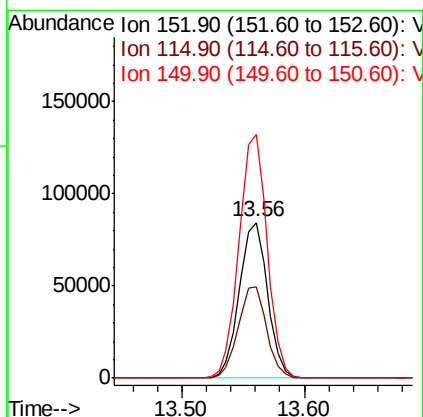
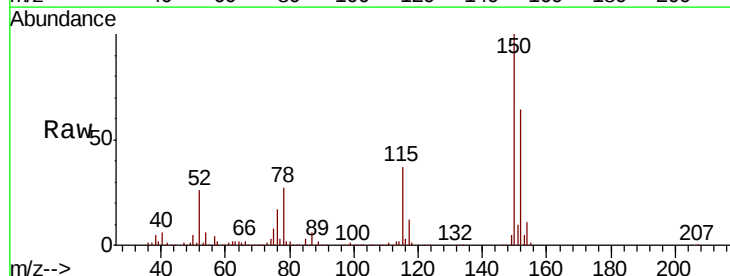
Instrument :
MSVOA_W
ClientSampleId :
SB-12-(13-15)

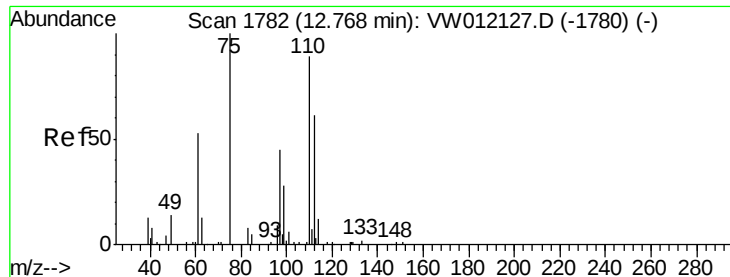
Tgt Ion:117 Resp: 330579
Ion Ratio Lower Upper
117 100
82 63.5 47.4 71.2
119 33.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012337.D
Acq: 30 Aug 2019 07:08

Tgt Ion:152 Resp: 134744
Ion Ratio Lower Upper
152 100
115 59.0 30.1 90.3
150 156.6 0.0 345.8

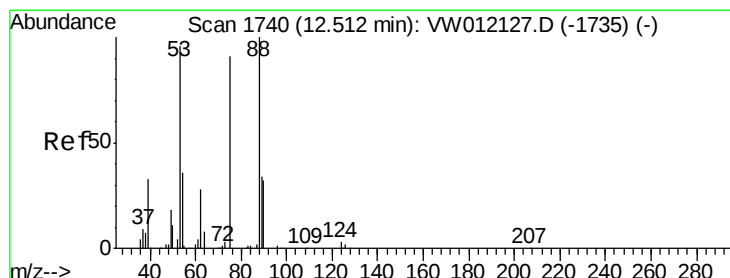
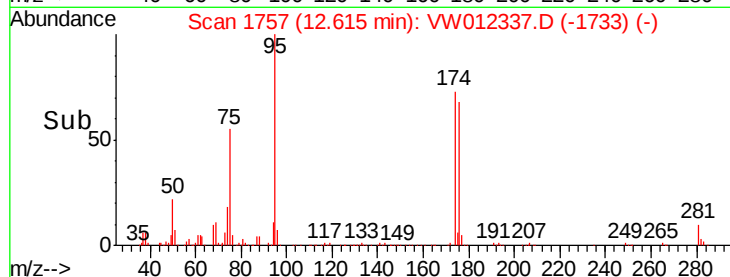
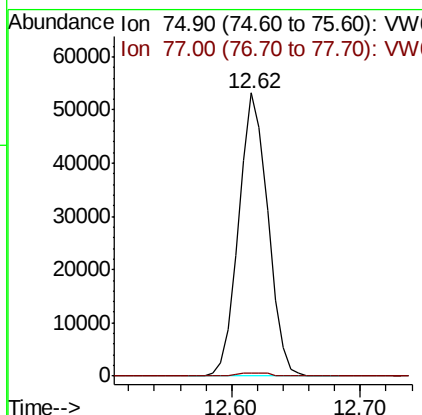
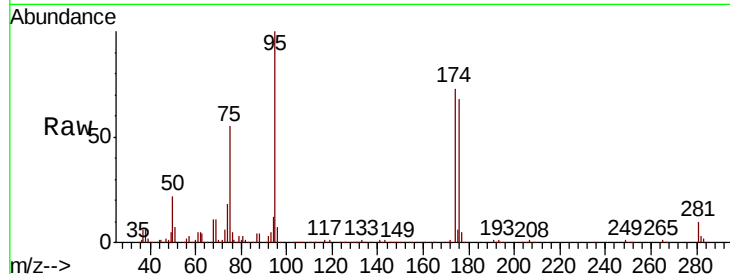




#76
 1,2,3-Trichloropropane
 Concen: 63.643 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012337.D
 Acq: 30 Aug 2019 07:08

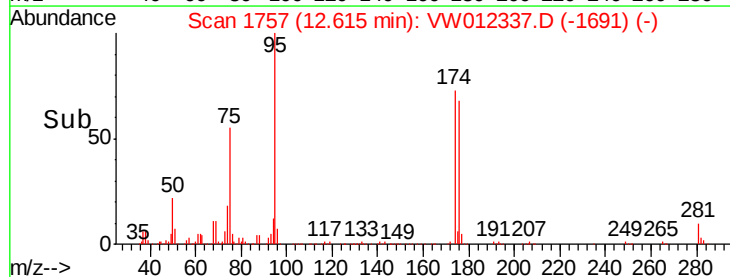
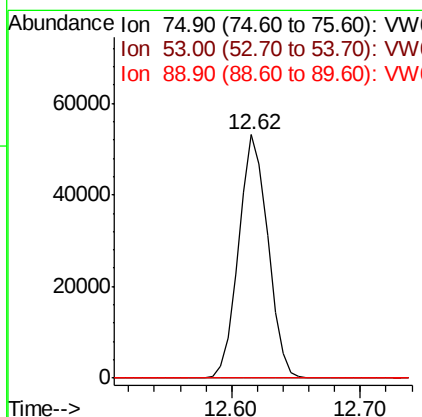
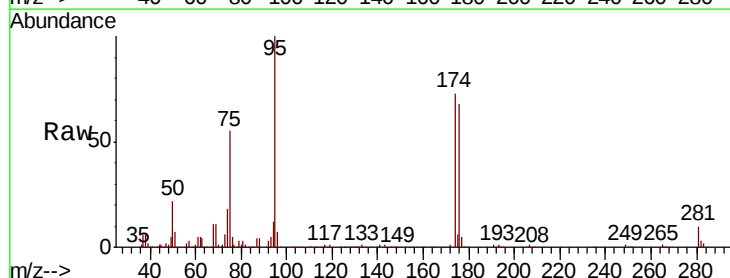
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-12-(13-15)

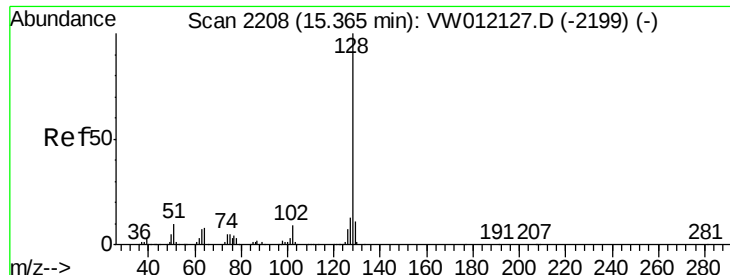
Tgt Ion: 75 Resp: 83519
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.539 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012337.D
 Acq: 30 Aug 2019 07:08

Tgt Ion: 75 Resp: 83519
 Ion Ratio Lower Upper
 75 100
 53 0.0 89.4 134.0#
 89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.352 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012337.D

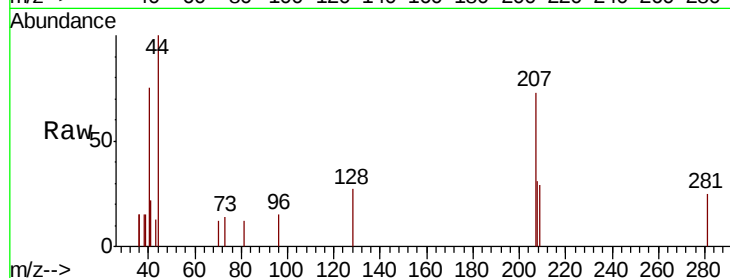
Acq: 30 Aug 2019 07:08

Instrument :

MSVOA_W

ClientSampleId :

SB-12-(13-15)



Tgt Ion:	128	Resp:	171
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#

