

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011404.D
 Acq On : 20 Jul 2019 05:17
 Operator : SY/VA
 Sample : K3835-29
 Misc : 4.71G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11(0-2)

Quant Time: Jul 20 05:57:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	236877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	336840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	138906	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	160988	54.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.18%	
35) Dibromofluoromethane	7.88	113	126452	52.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.46%	
50) Toluene-d8	10.32	98	498943	51.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.62	95	159397	44.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.72%	

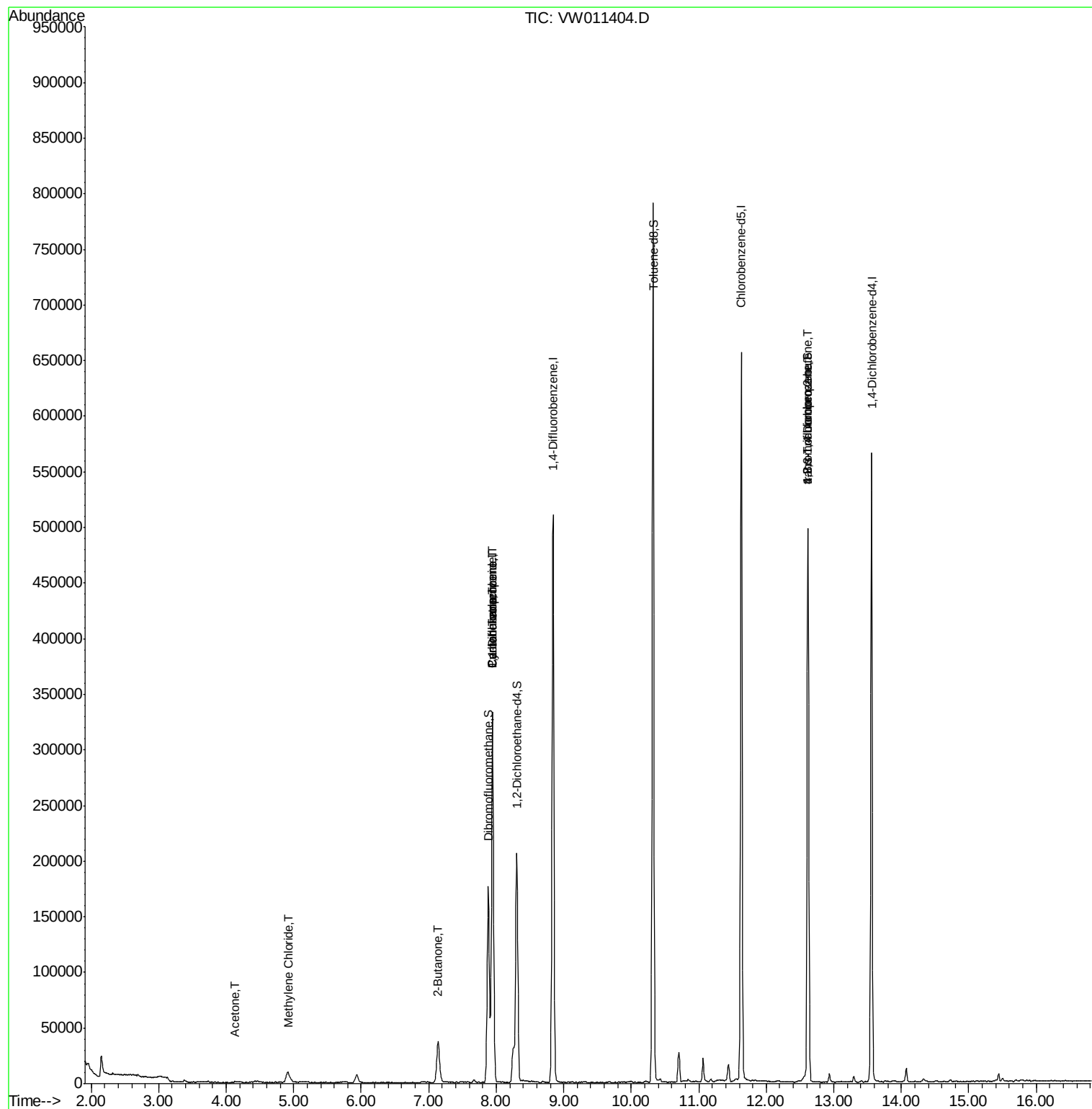
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	1105	1.543	ug/l	96
18) Methyl Acetate	4.68	43	81	Below Cal	#	57
20) Methylene Chloride	4.91	84	7024	2.486	ug/l #	81
25) 2-Butanone	7.15	43	2754	2.450	ug/l #	74
31) Cyclohexane	7.95	56	5972	1.036	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20545	4.795	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23807	6.554	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	84937	52.912	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84937	119.678	ug/l #	6

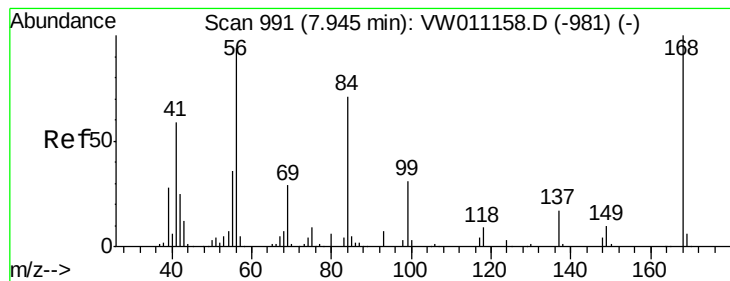
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-11(0-2)

Quant Time: Jul 20 05:57:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 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: VW011404.D

Acq: 20 Jul 2019 05:17

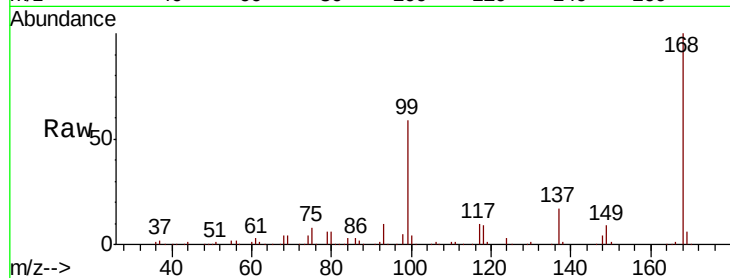
Instrument :
MSVOA_W
ClientSampled :
SB-11(0-2)

Tot Ion:168 Resp: 236877

Ion Ratio Lower Upper

168 100

99 59.1 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

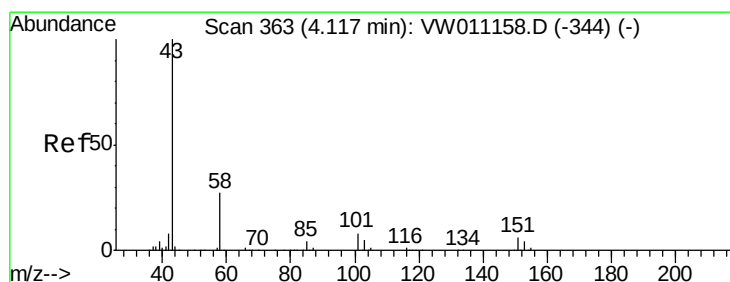
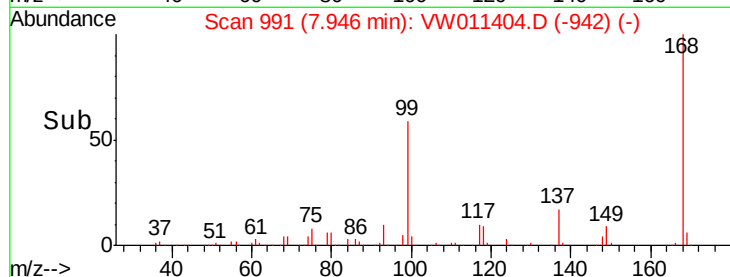
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 1.543 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011404.D

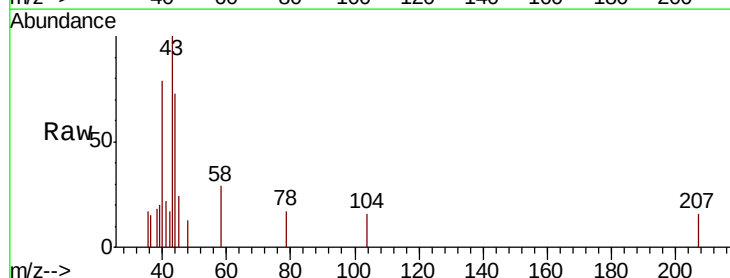
Acq: 20 Jul 2019 05:17

Tgt Ion: 43 Resp: 1105

Ion Ratio Lower Upper

43 100

58 29.3 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

500

400

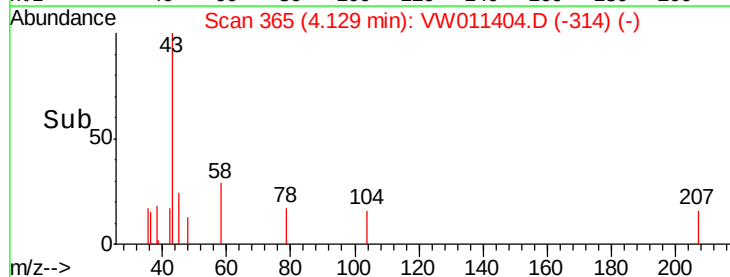
300

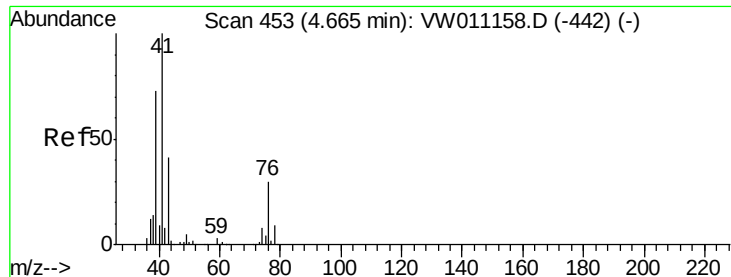
200

100

0

Time--> 4.05 4.10 4.15

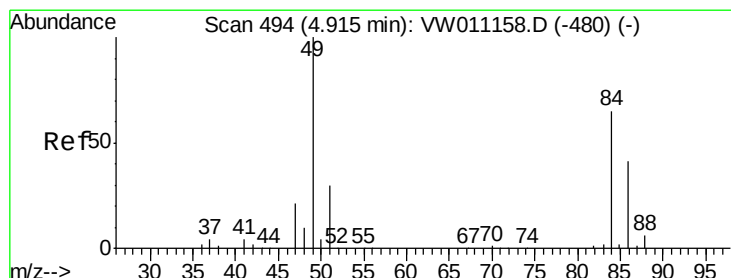
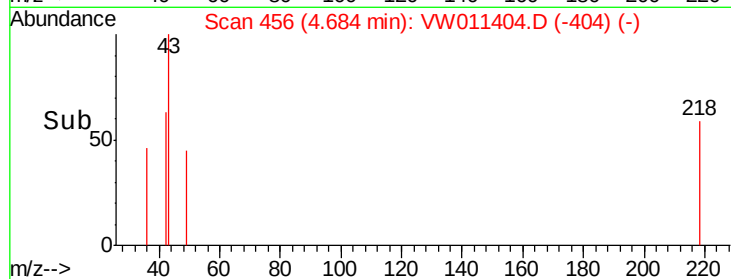
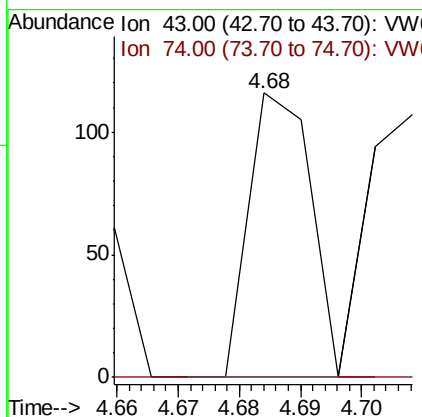
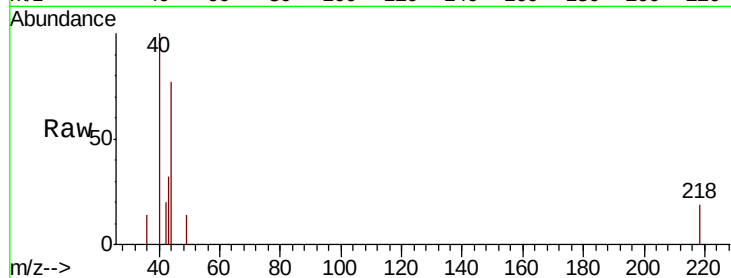




#18
Methvl Acetate
Concen: Below Cal
RT: 4.68 min Scan# 456
Delta R.T. 0.02 min
Lab File: VW011404.D
Acq: 20 Jul 2019 05:17

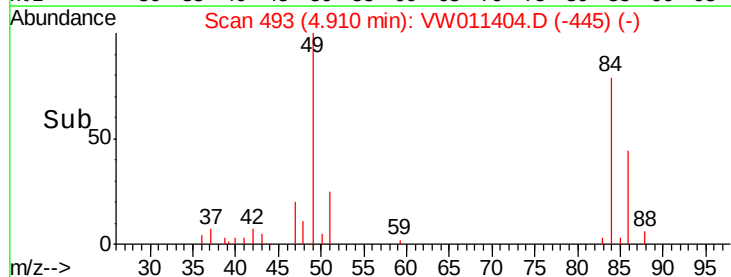
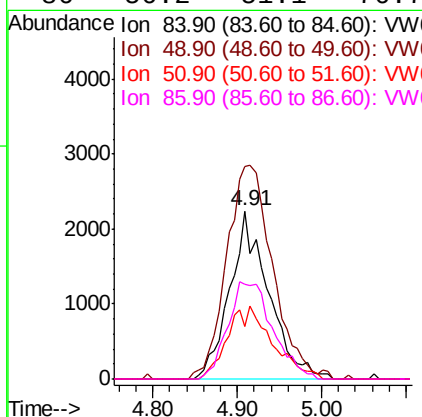
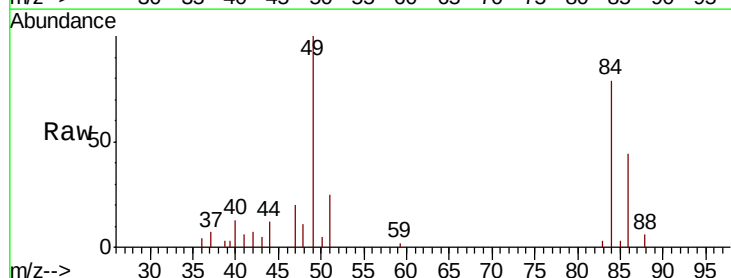
Instrument :
MSVOA_W
ClientSampleId :
SB-11(0-2)

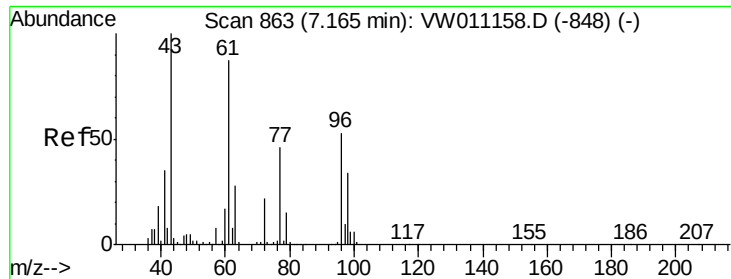
Tot Ion: 43 Resp: 81
Ion Ratio Lower Upper
43 100
74 0.0 15.7 23.5#



#20
Methylene Chloride
Concen: 2.486 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011404.D
Acq: 20 Jul 2019 05:17

Tgt Ion: 84 Resp: 7024
Ion Ratio Lower Upper
84 100
49 126.6 123.8 185.6
51 31.4 37.4 56.2#
86 56.2 51.1 76.7

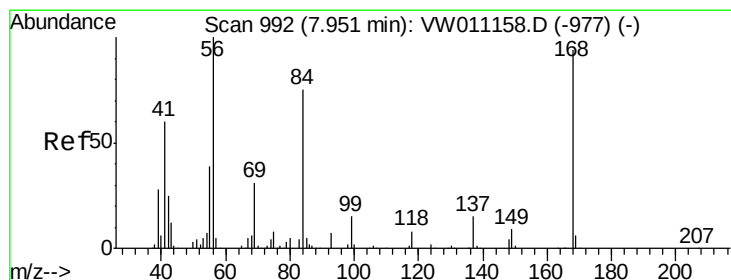
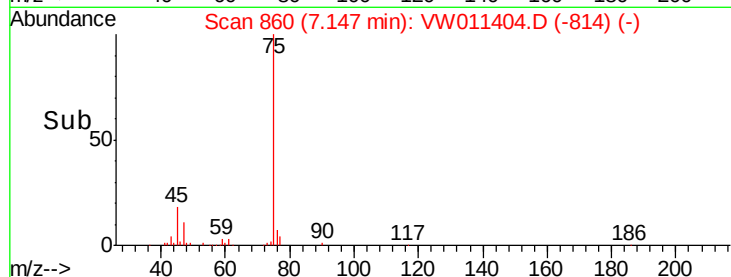
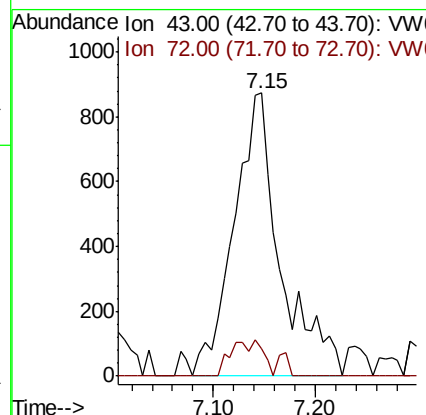
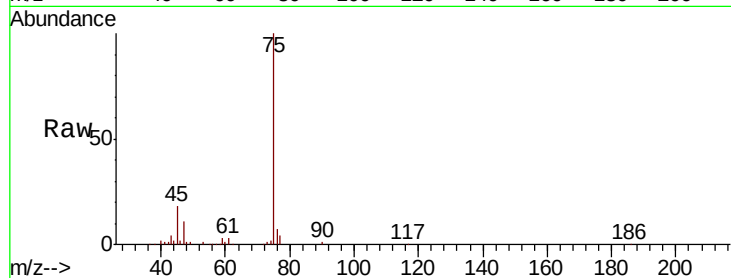




#25
2-Butanone
Concen: 2.450 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW011404.D
Acq: 20 Jul 2019 05:17

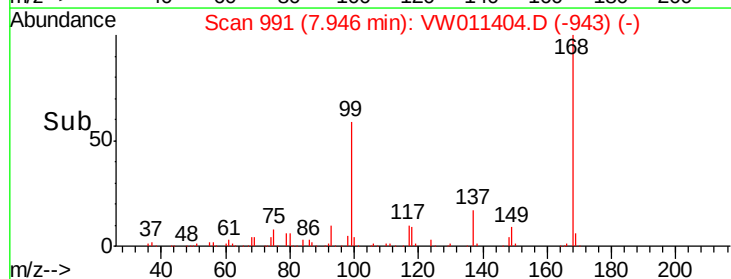
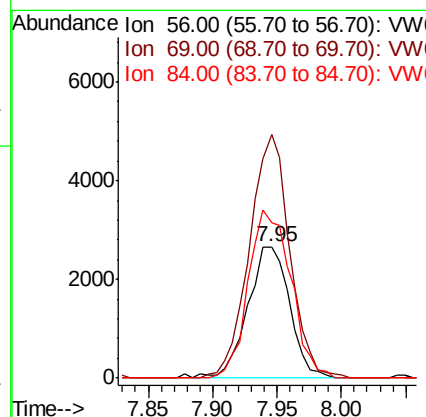
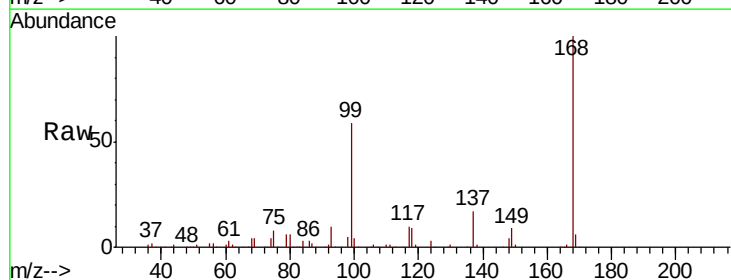
Instrument :
MSVOA_W
ClientSampleId :
SB-11(0-2)

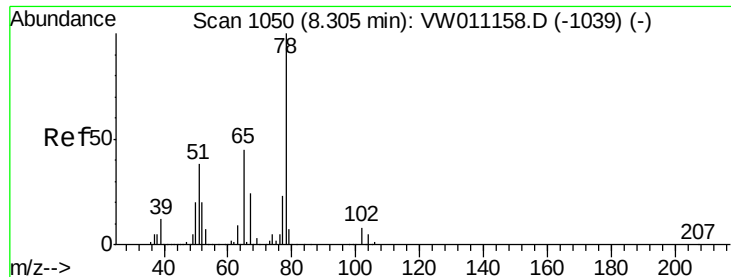
Tot Ion: 43 Resp: 2754
Ion Ratio Lower Upper
43 100
72 9.6 17.6 26.4#



#31
Cyclohexane
Concen: 1.036 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011404.D
Acq: 20 Jul 2019 05:17

Tgt Ion: 56 Resp: 5972
Ion Ratio Lower Upper
56 100
69 185.5 24.6 36.8#
84 118.1 60.1 90.1#

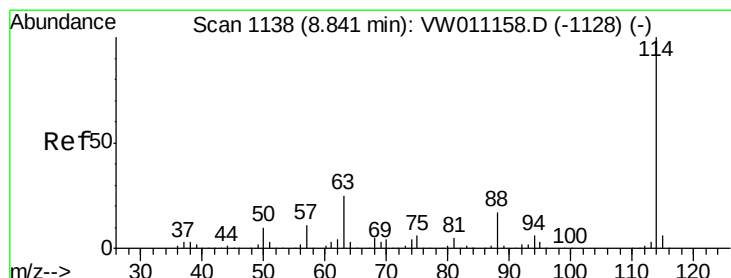
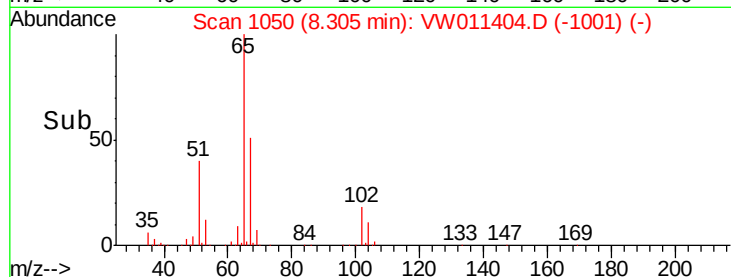
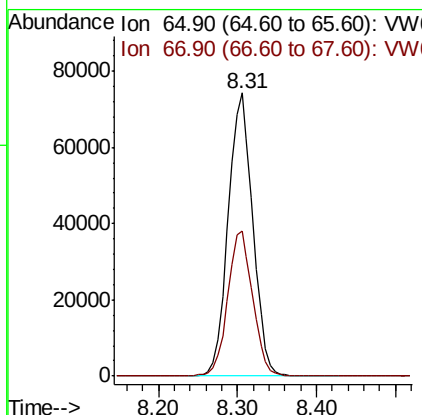
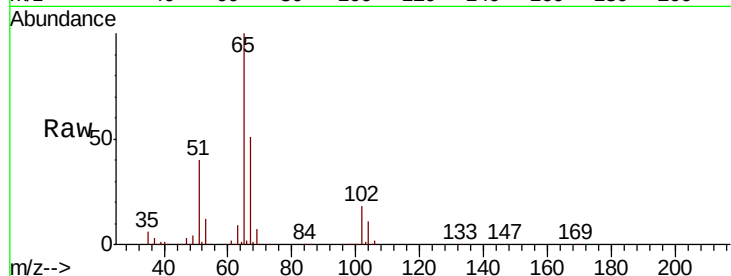




#33
 1,2-Dichloroethane-d4
 Concen: 54.087 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011404.D
 Acq: 20 Jul 2019 05:17

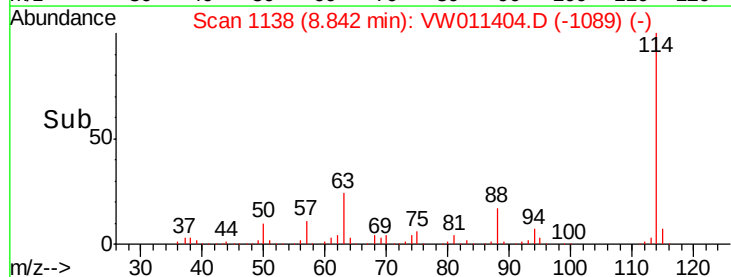
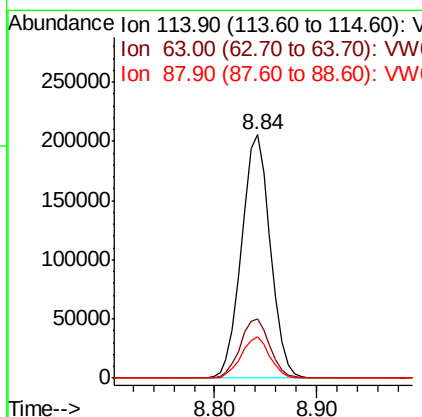
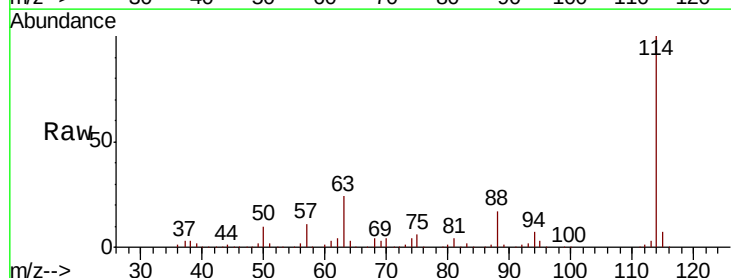
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11(0-2)

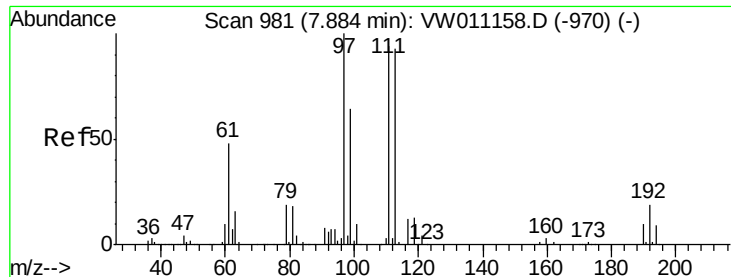
Tot Ion: 65 Resp: 160988
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011404.D
 Acq: 20 Jul 2019 05:17

Tgt Ion: 114 Resp: 402374
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 50.8
 88 16.8 0.0 34.2

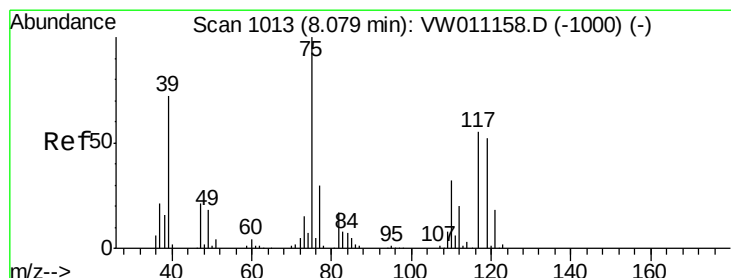
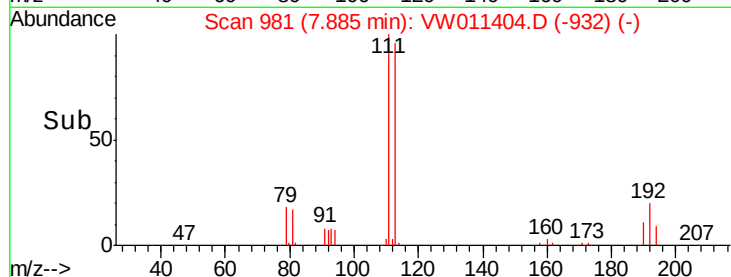
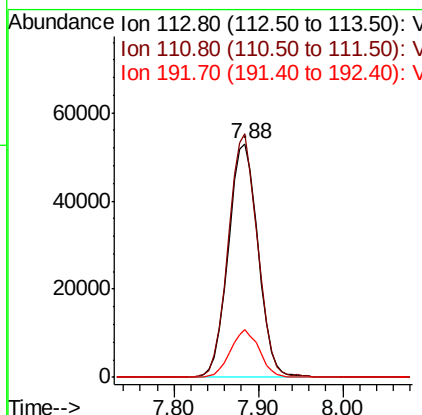
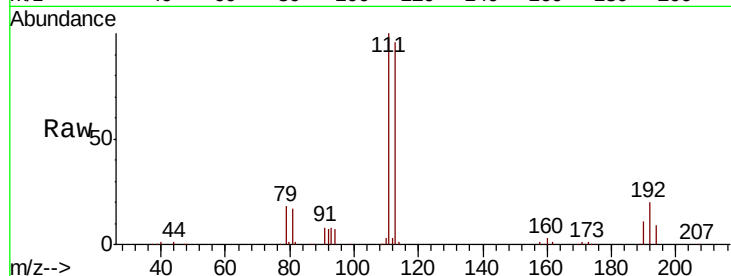




#35
 Dibromofluoromethane
 Concen: 52.725 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011404.D
 Acq: 20 Jul 2019 05:17

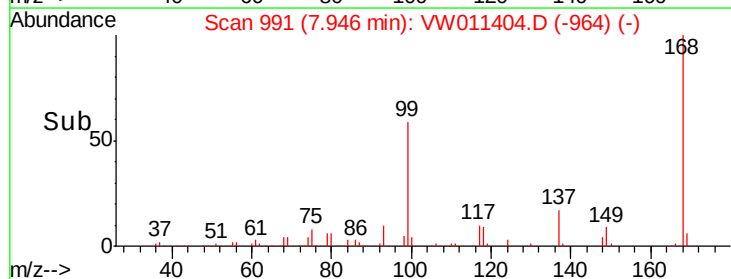
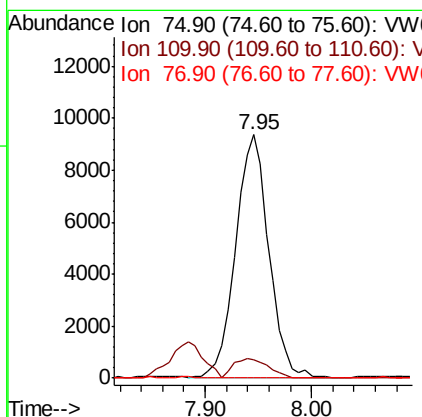
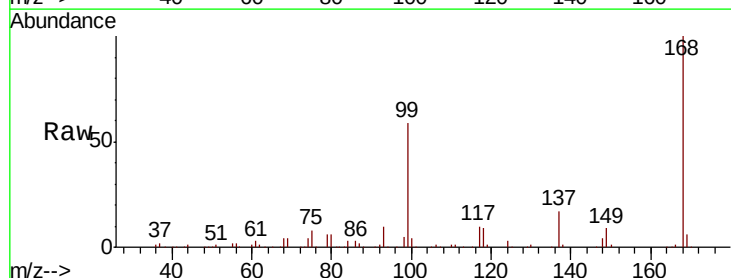
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11(0-2)

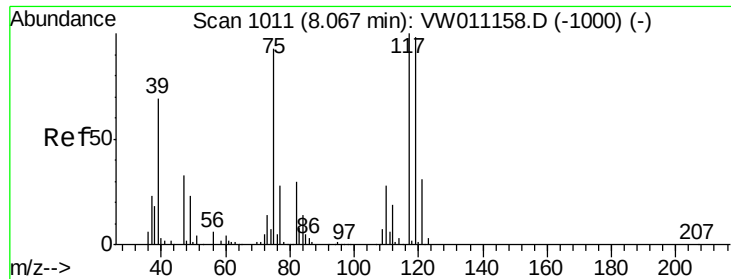
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	19.8	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.795 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011404.D
 Acq: 20 Jul 2019 05:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	15.9	47.6#
77	0.0	24.6	36.8#

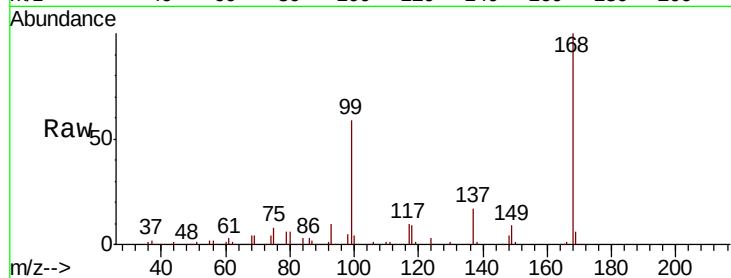




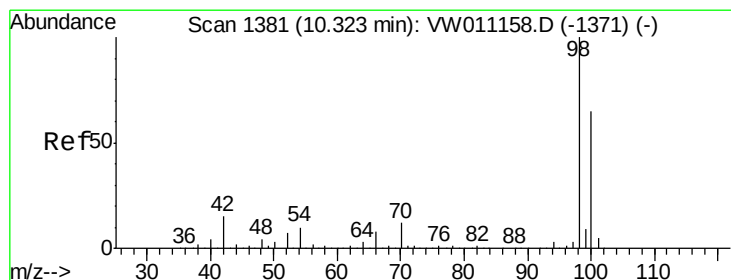
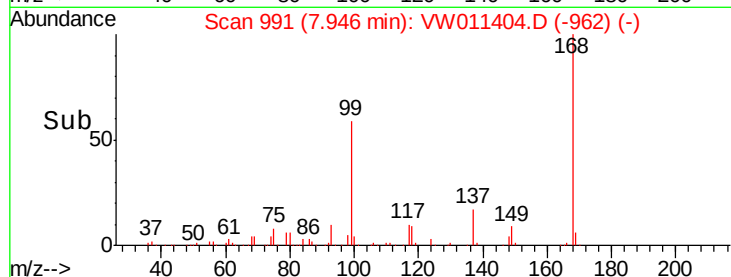
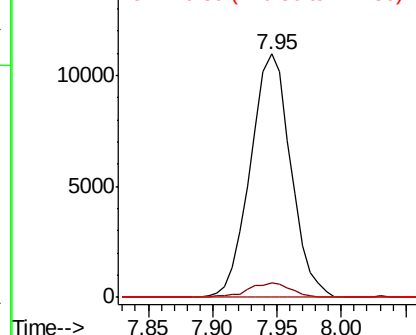
#38
Carbon Tetrachloride
Concen: 6.554 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011404.D
Acq: 20 Jul 2019 05:17

Instrument :
MSVOA_W
ClientSampled :
SB-11(0-2)

Tot Ion:117 Resp: 23807
Ion Ratio Lower Upper
117 100
119 5.9 78.1 117.1#
121 0.0 25.1 37.7#

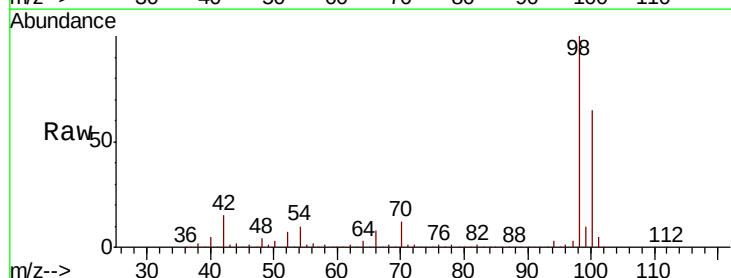


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

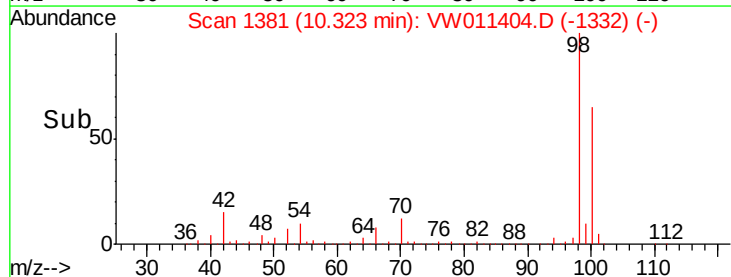
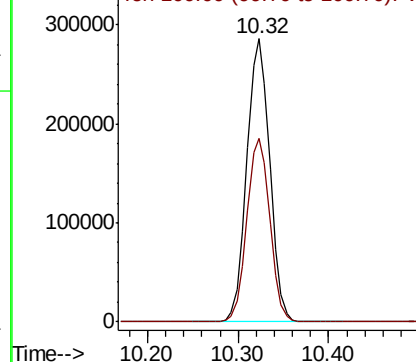


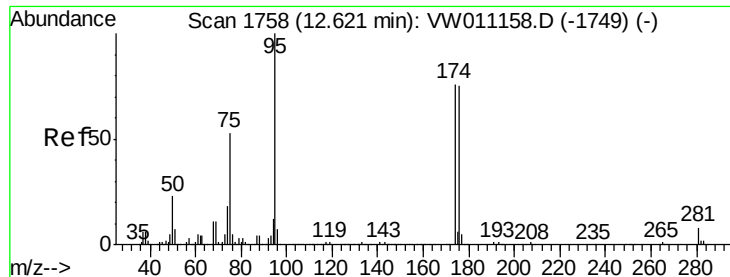
#50
Toluene-d8
Concen: 51.467 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011404.D
Acq: 20 Jul 2019 05:17

Tgt Ion: 98 Resp: 498943
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6



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

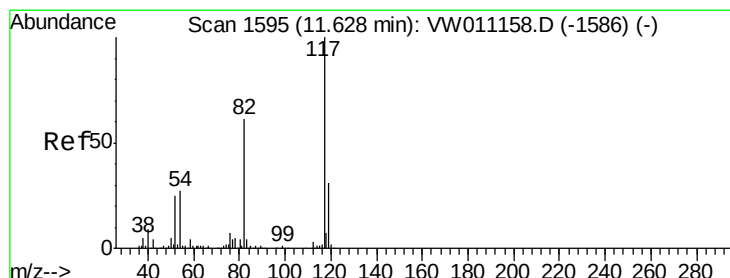
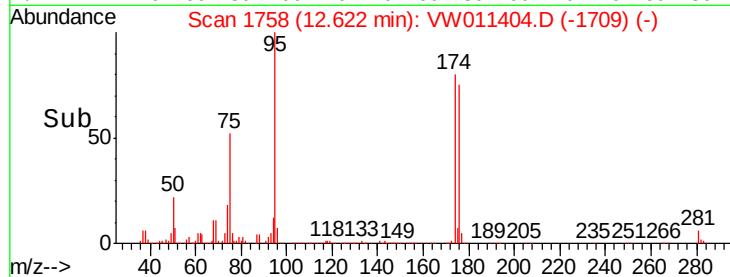
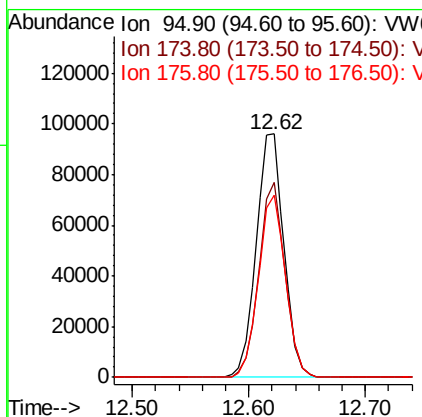
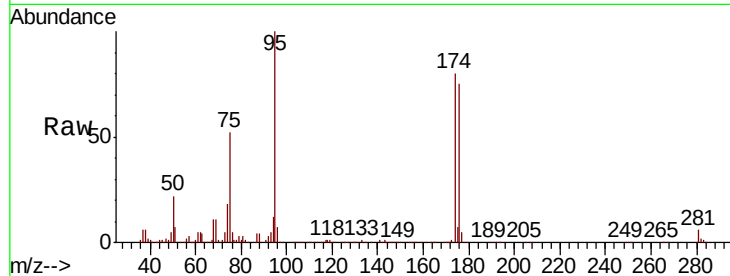




#62
4-Bromofluorobenzene
Concen: 44.858 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW011404.D
Acq: 20 Jul 2019 05:17

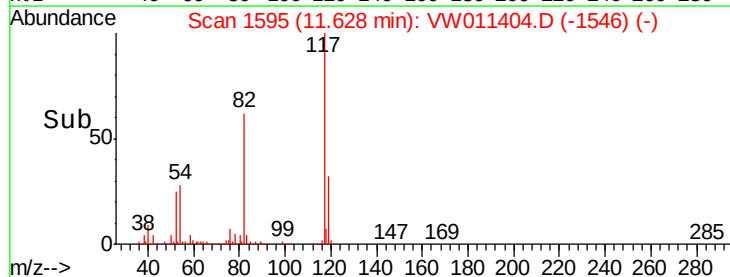
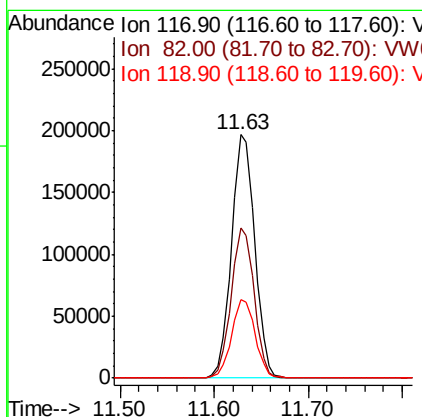
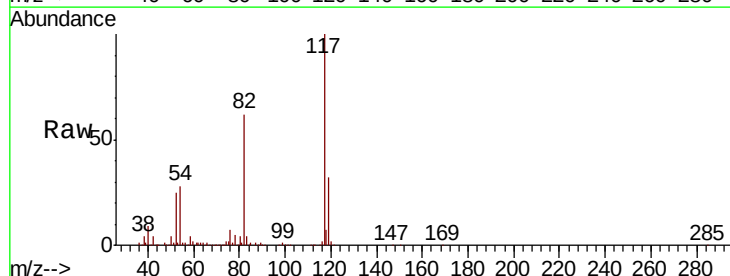
Instrument :
MSVOA_W
ClientSampleId :
SB-11(0-2)

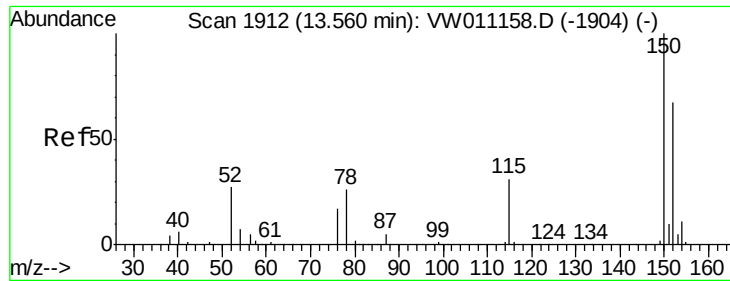
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	147.6
176	73.2	0.0	144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011404.D
Acq: 20 Jul 2019 05:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.7	48.9	73.3
119	32.1	25.0	37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011404.D

Acq: 20 Jul 2019 05:17

Instrument :

MSVOA_W

ClientSampleId :

SB-11(0-2)

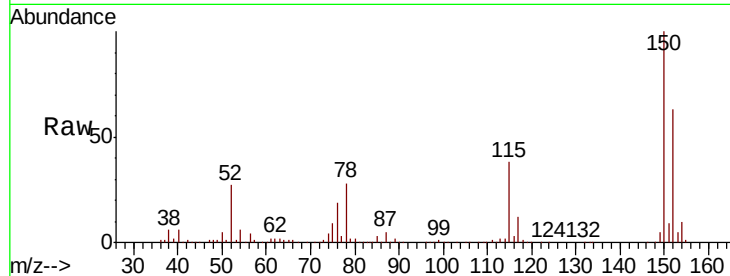
Tot Ion:152 Resp: 138906

Ion Ratio Lower Upper

152 100

115 60.5 30.1 90.3

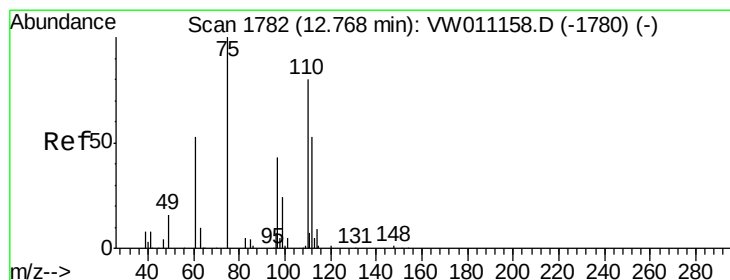
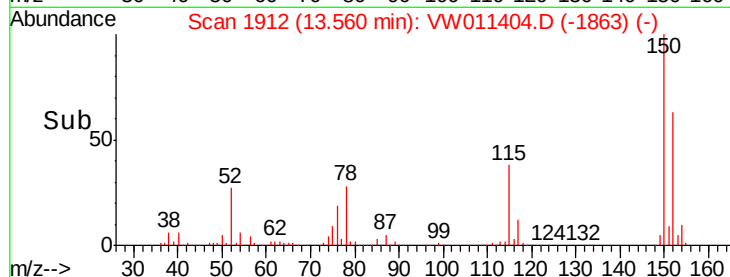
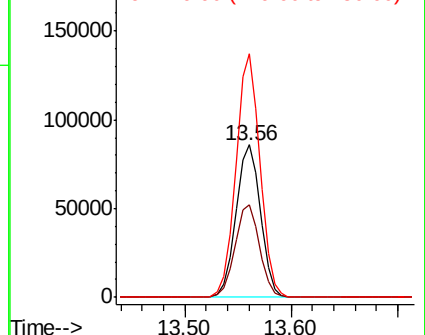
150 156.0 0.0 346.0



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: 52.912 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011404.D

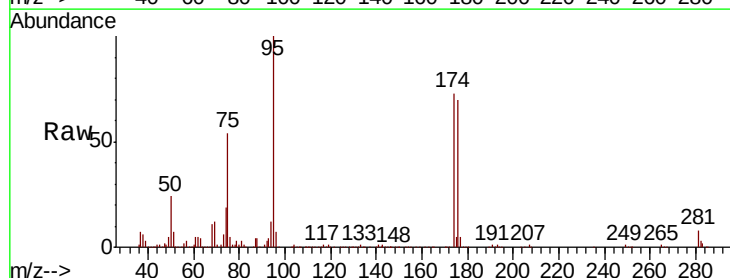
Acq: 20 Jul 2019 05:17

Tgt Ion: 75 Resp: 84937

Ion Ratio Lower Upper

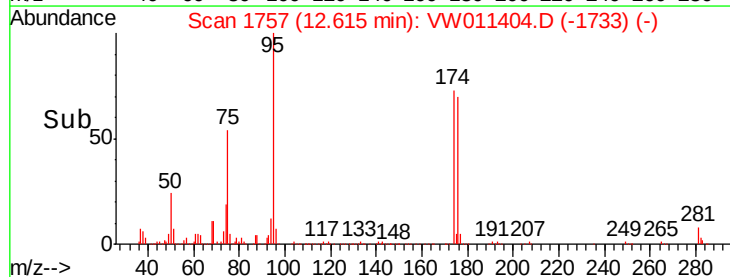
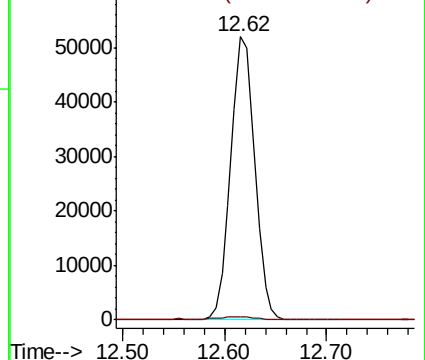
75 100

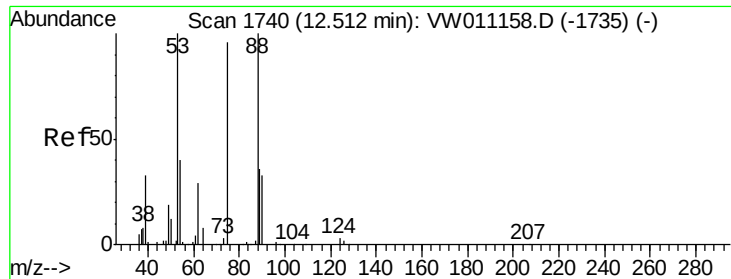
77 1.8 0.0 0.0#



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: 119.678 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011404.D

Acq: 20 Jul 2019 05:17

Instrument :

MSVOA_W

ClientSampleId :

SB-11(0-2)

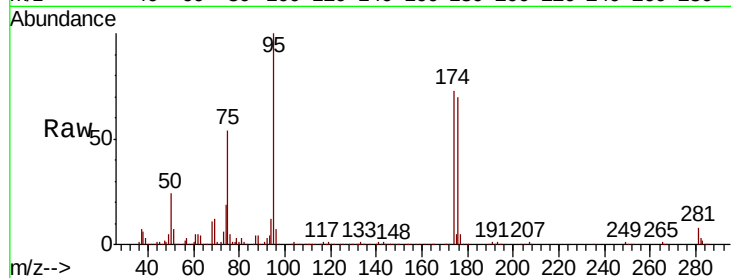
Tot Ion: 75 Resp: 84937

Ion Ratio Lower Upper

75 100

53 0.3 89.8 134.6#

89 0.1 34.3 51.5#



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

