

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080319\
 Data File : VW011646.D
 Acq On : 03 Aug 2019 03:52
 Operator : SY/VA
 Sample : K4131-12
 Misc : 5.15G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-E1-(0-1)

Quant Time: Aug 04 00:09:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	263526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	445198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	381625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	141815	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	171148	56.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.12%	
35) Dibromofluoromethane	7.88	113	136339	54.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.18%	
50) Toluene-d8	10.32	98	556376	54.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.82%	
62) 4-Bromofluorobenzene	12.62	95	179317	49.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.36%	

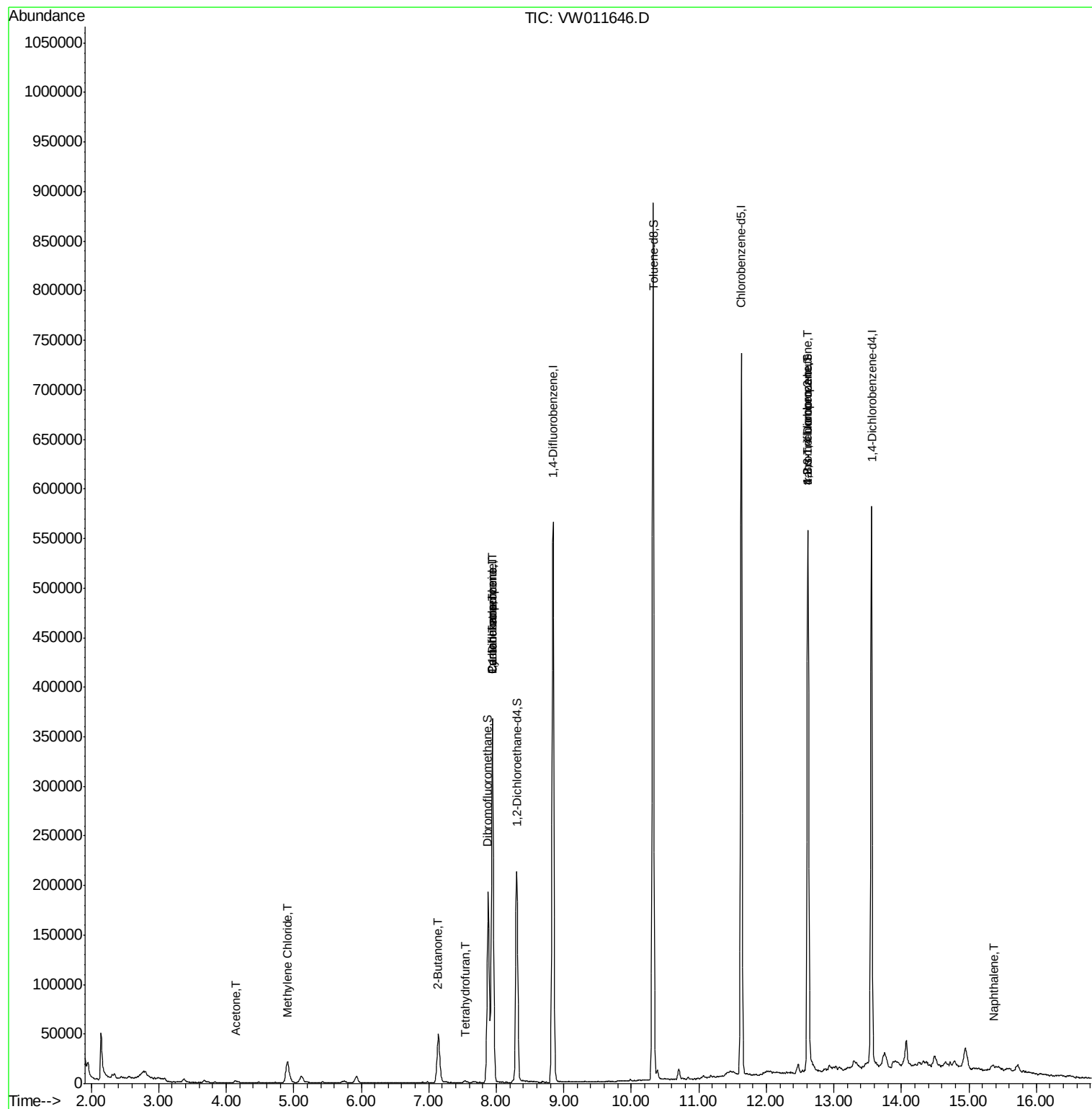
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	868	Below Cal	#	78
16) Acetone	4.14	43	3655	3.797	ug/l	93
20) Methylene Chloride	4.90	84	14747	4.442	ug/l	95
25) 2-Butanone	7.14	43	3385	2.687	ug/l #	84
29) Tetrahydrofuran	7.54	42	1622	2.253	ug/l #	86
31) Cyclohexane	7.95	56	6570	1.161	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	23250	5.022	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25797	6.510	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	95756	63.813	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	95756	147.067	ug/l #	6
95) Naphthalene	15.37	128	598	2.168	ug/l #	92

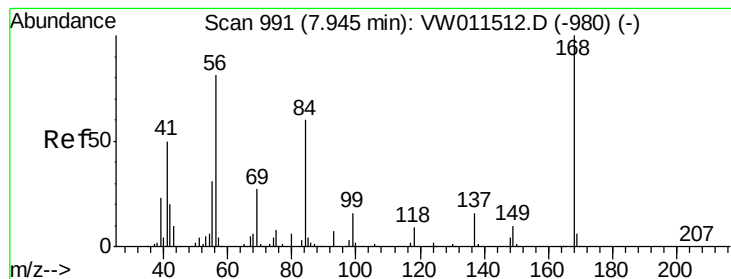
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011646.D

Acq: 03 Aug 2019 03:52

Instrument :

MSVOA_W

ClientSampleId :

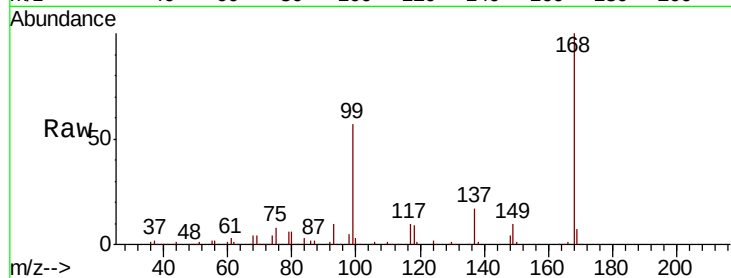
1S-E1-(0-1)

Tgt Ion:168 Resp: 263526

Ion Ratio Lower Upper

168 100

99 57.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

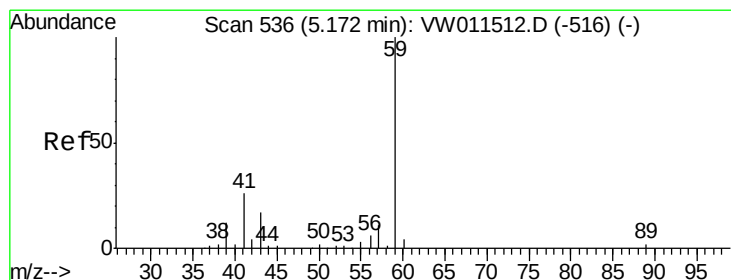
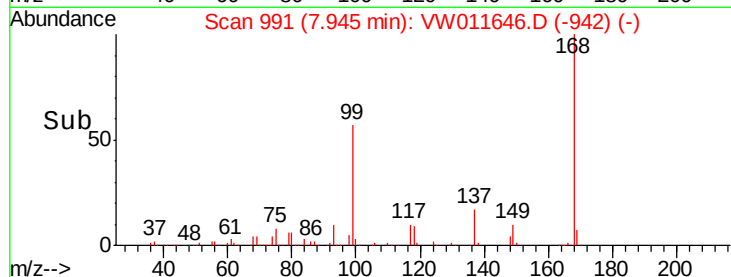
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. 0.04 min

Lab File: VW011646.D

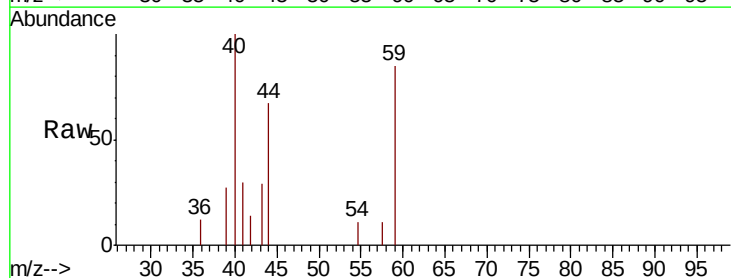
Acq: 03 Aug 2019 03:52

Tgt Ion: 59 Resp: 868

Ion Ratio Lower Upper

59 100

57 2.2 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

600

500

400

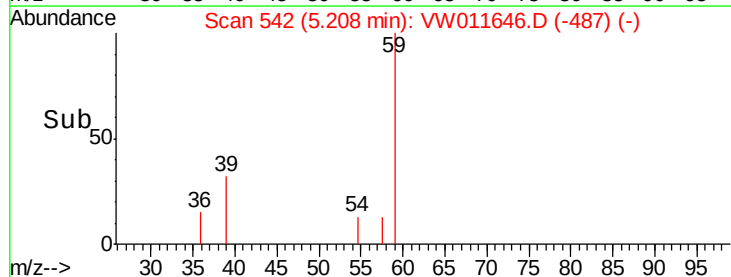
300

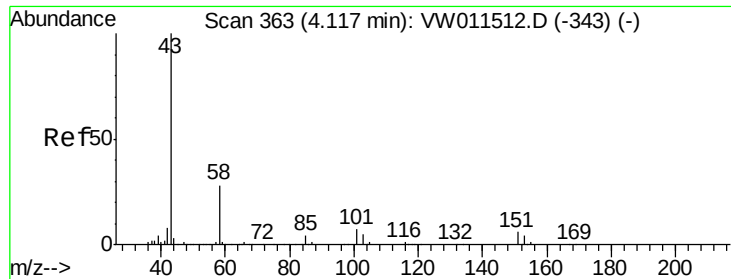
200

100

0

Time--> 5.20 5.21 5.22 5.23 5.24 5.25 5.26 5.27 5.28 5.29 5.30

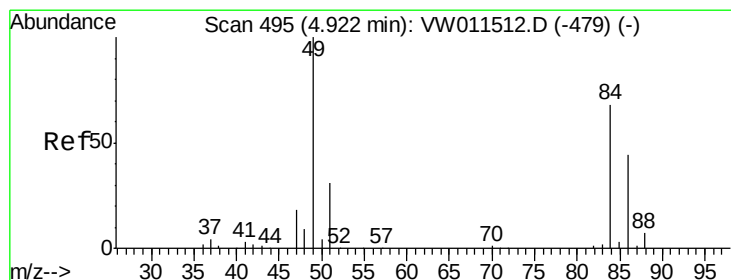
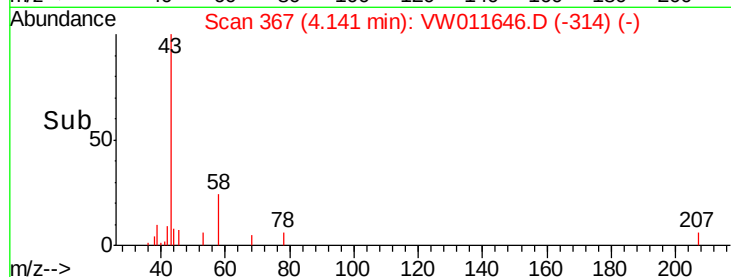
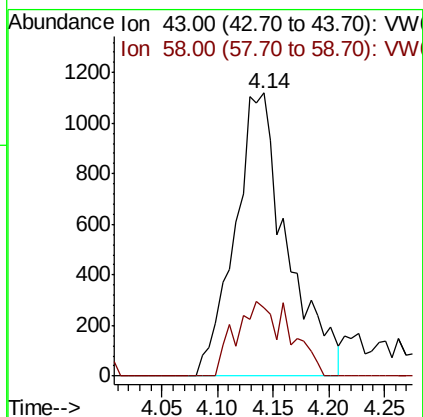
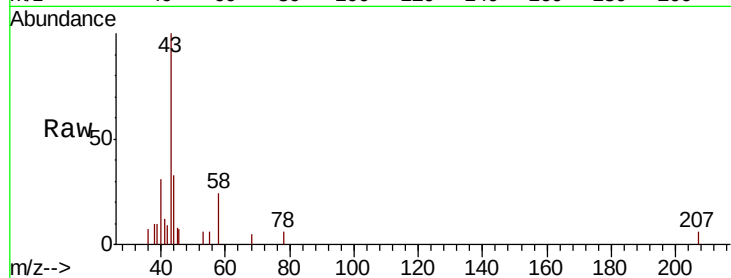




#16
Acetone
Concen: 3.797 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW011646.D
Acq: 03 Aug 2019 03:52

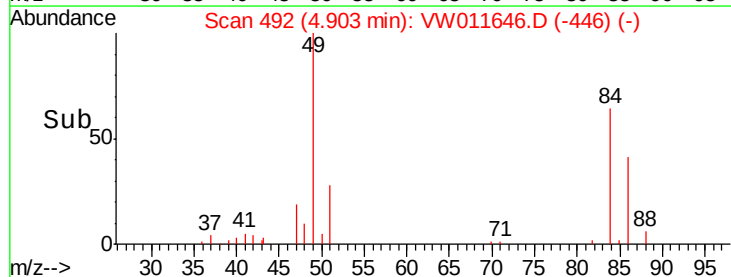
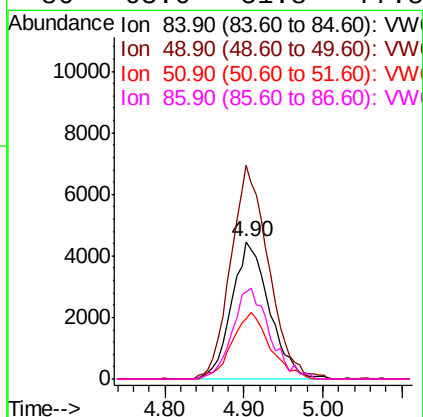
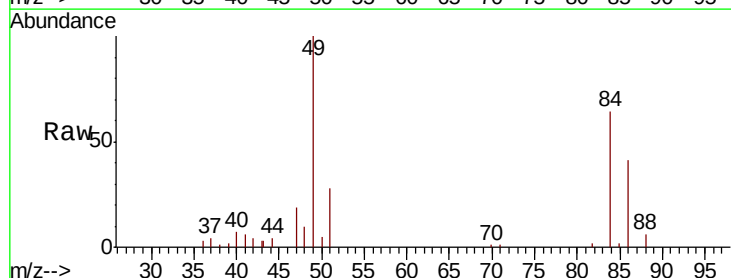
Instrument :
MSVOA_W
ClientSampleId :
1S-E1-(0-1)

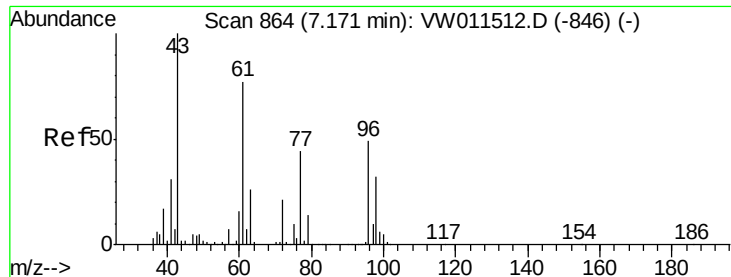
Tgt Ion: 43 Resp: 3655
Ion Ratio Lower Upper
43 100
58 24.2 22.3 33.5



#20
Methylene Chloride
Concen: 4.442 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW011646.D
Acq: 03 Aug 2019 03:52

Tgt Ion: 84 Resp: 14747
Ion Ratio Lower Upper
84 100
49 155.6 117.8 176.6
51 43.6 37.0 55.4
86 63.6 51.8 77.8





#25

2-Butanone

Concen: 2.687 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011646.D

Acq: 03 Aug 2019 03:52

Instrument :

MSVOA_W

ClientSampled :

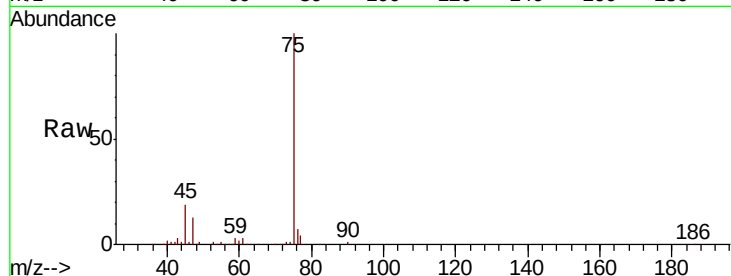
1S-E1-(0-1)

Tgt Ion: 43 Resp: 3385

Ion Ratio Lower Upper

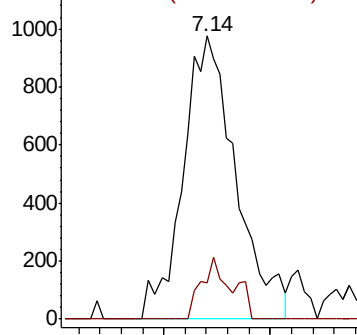
43 100

72 13.0 16.6 24.8#

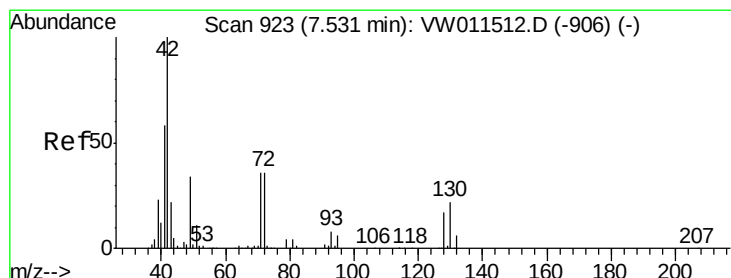
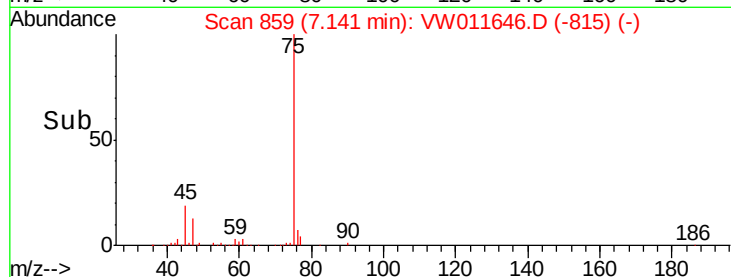


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#29

Tetrahydrofuran

Concen: 2.253 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011646.D

Acq: 03 Aug 2019 03:52

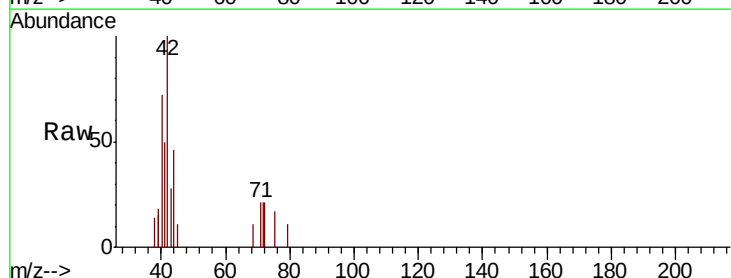
Tgt Ion: 42 Resp: 1622

Ion Ratio Lower Upper

42 100

72 31.8 27.1 40.7

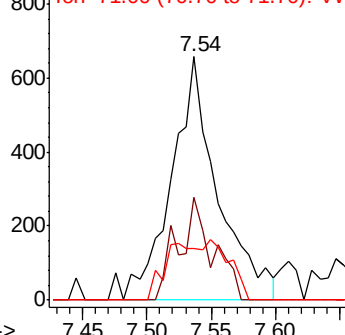
71 19.2 26.2 39.4#



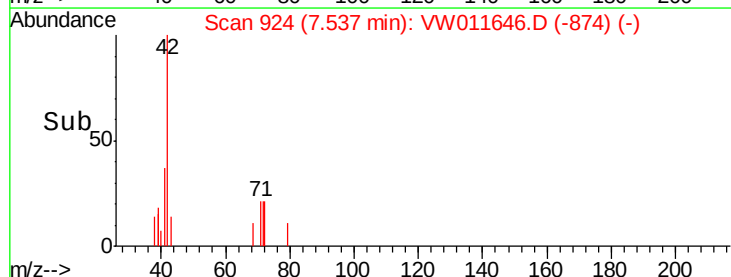
Abundance Ion 42.00 (41.70 to 42.70): VW

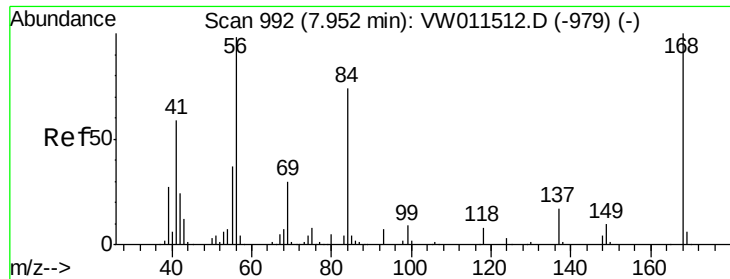
Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



Time-->

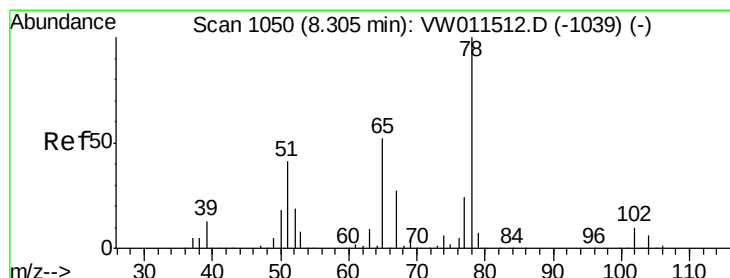
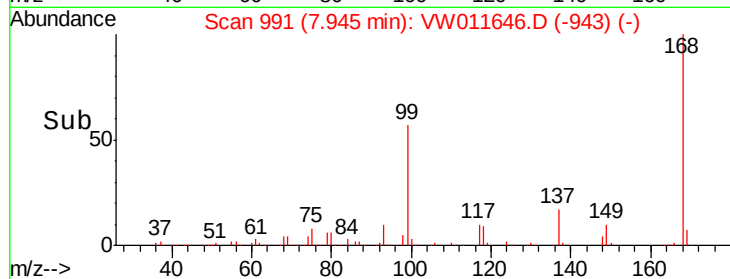
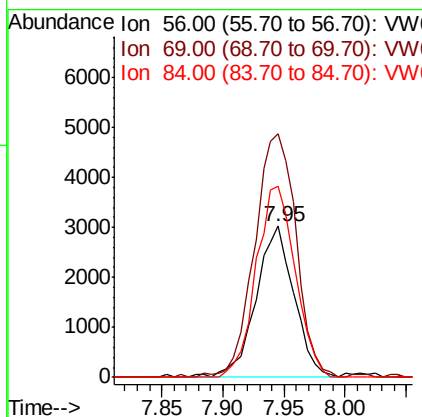
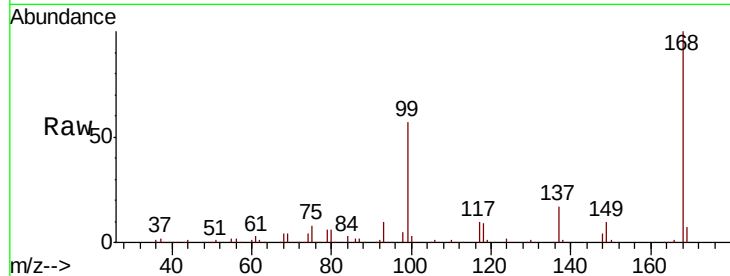




#31
Cyclohexane
Concen: 1.161 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011646.D
Acq: 03 Aug 2019 03:52

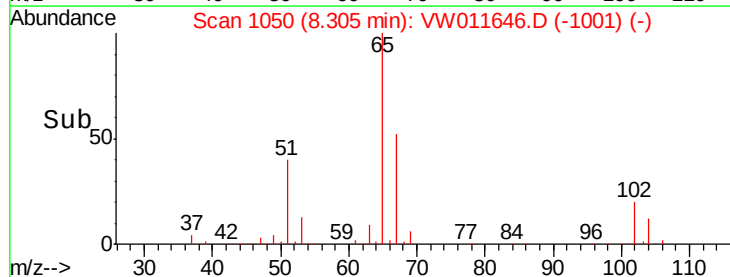
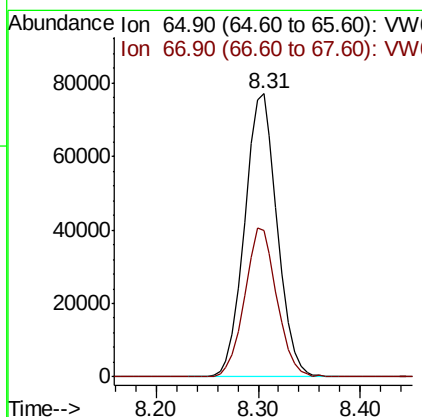
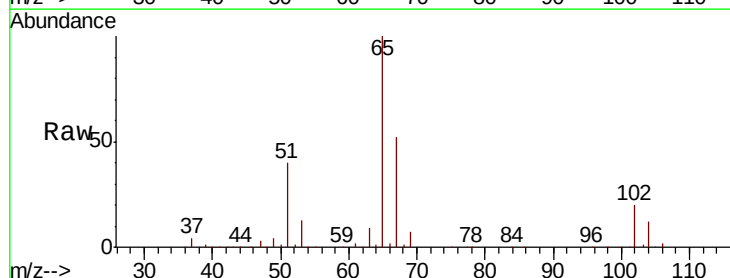
Instrument :
MSVOA_W
ClientSampled :
1S-E1-(0-1)

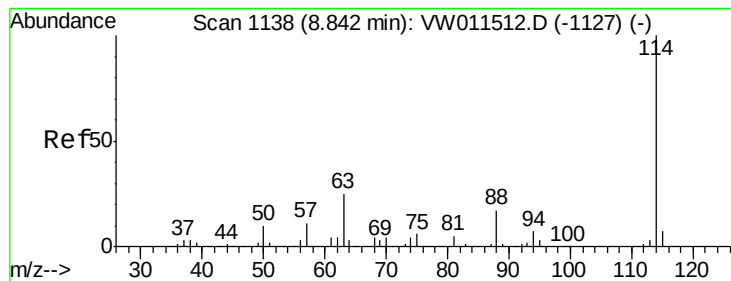
Tgt Ion: 56 Resp: 6570
Ion Ratio Lower Upper
56 100
69 161.2 24.3 36.5#
84 126.5 60.4 90.6#



#33
1,2-Dichloroethane-d4
Concen: 56.559 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW011646.D
Acq: 03 Aug 2019 03:52

Tgt Ion: 65 Resp: 171148
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011646.D

Acq: 03 Aug 2019 03:52

Instrument :

MSVOA_W

ClientSampleId :

1S-E1-(0-1)

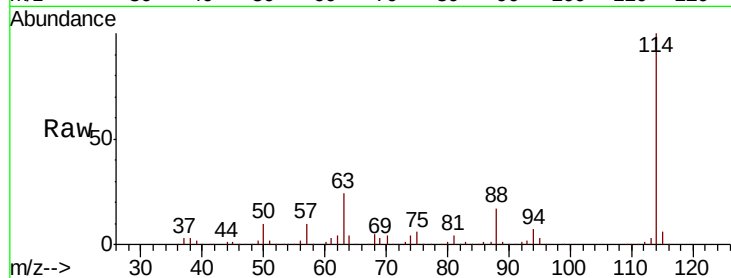
Tgt Ion:114 Resp: 445198

Ion Ratio Lower Upper

114 100

63 24.0 0.0 49.2

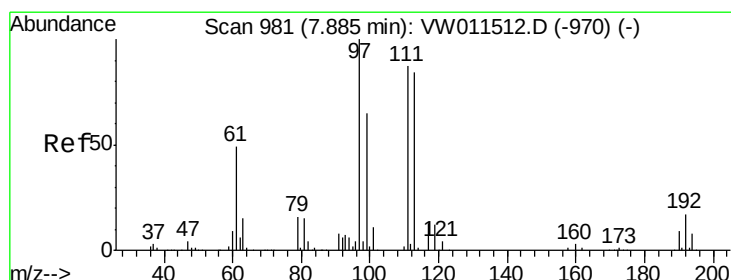
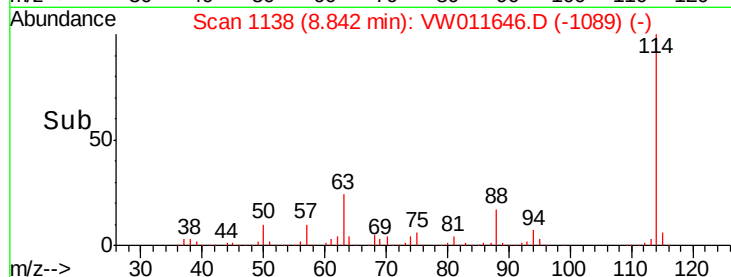
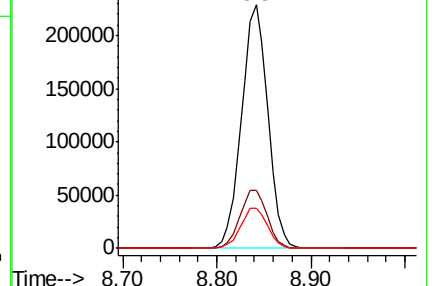
88 16.7 0.0 33.8



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: 54.587 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011646.D

Acq: 03 Aug 2019 03:52

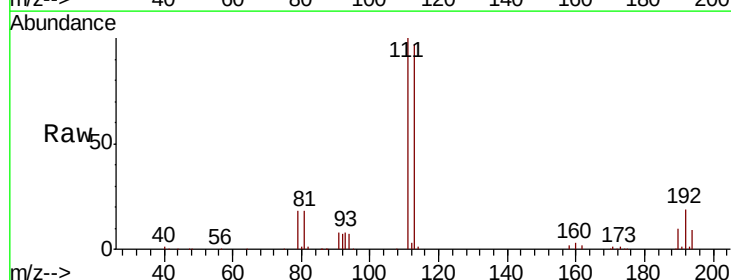
Tgt Ion:113 Resp: 136339

Ion Ratio Lower Upper

113 100

111 102.5 82.7 124.1

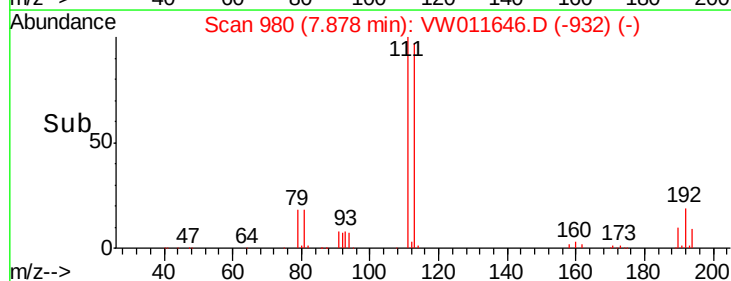
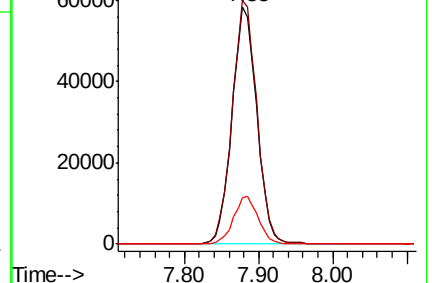
192 20.0 16.1 24.1

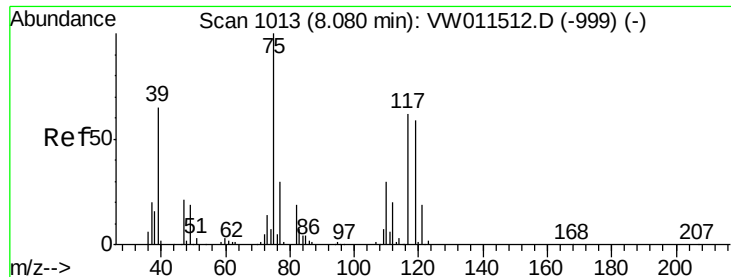


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

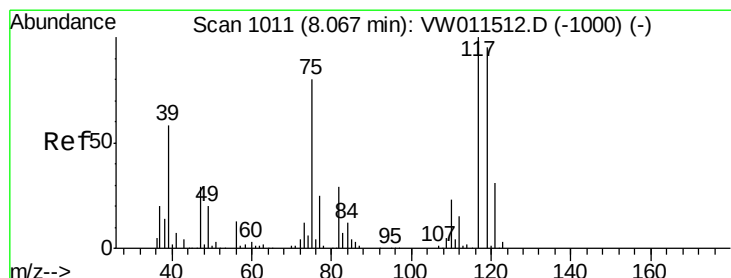
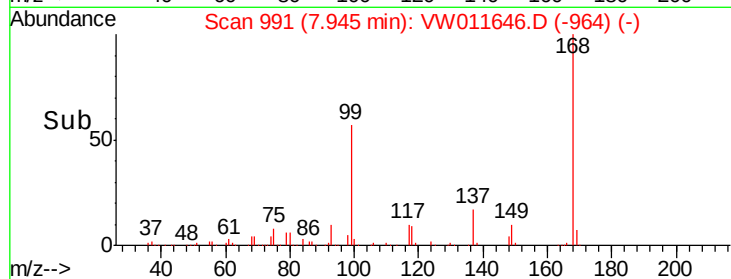
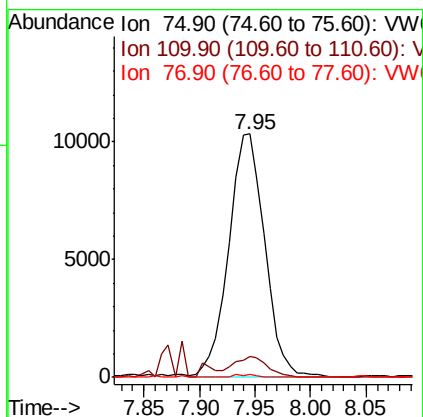
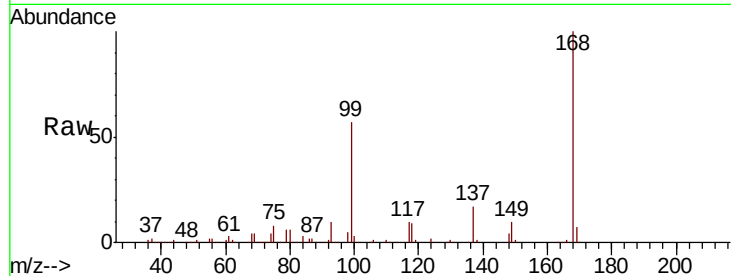




#36
 1,1-Dichloropropene
 Concen: 5.022 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011646.D
 Acq: 03 Aug 2019 03:52

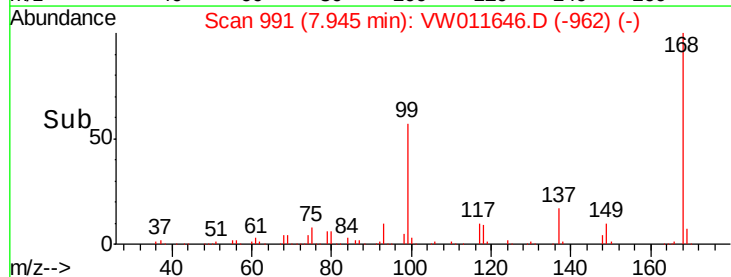
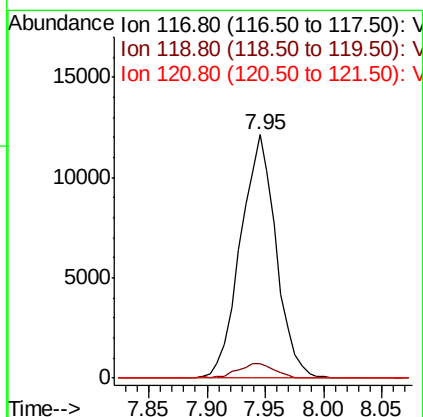
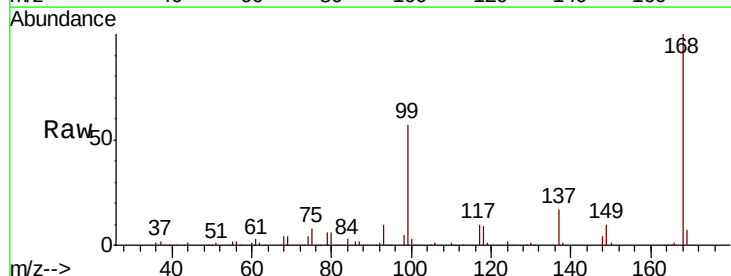
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-E1-(0-1)

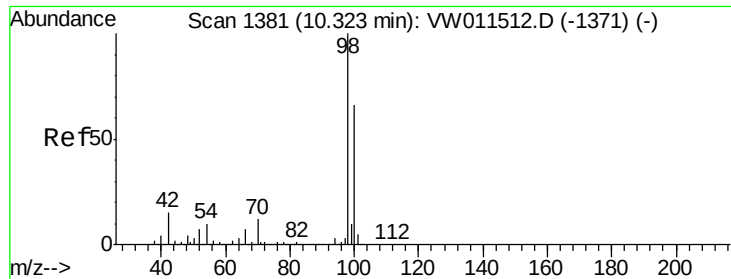
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	15.6	46.8#
77	0.6	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.510 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011646.D
 Acq: 03 Aug 2019 03:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	75.8	113.6#
121	0.0	24.7	37.1#

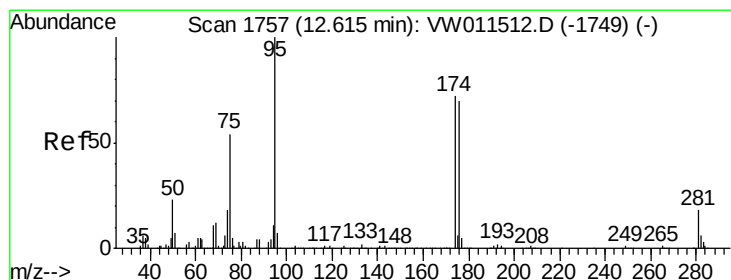
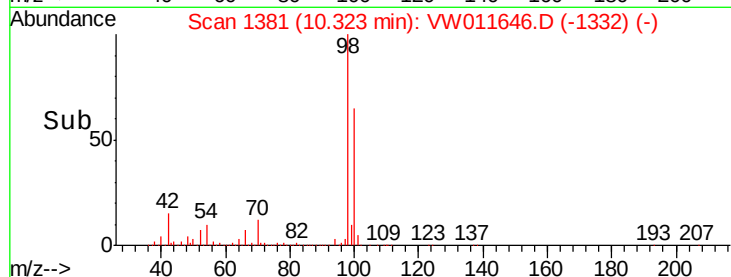
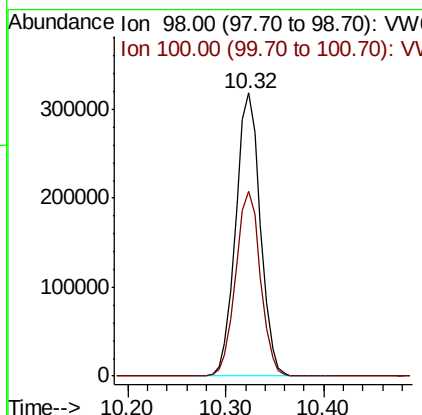
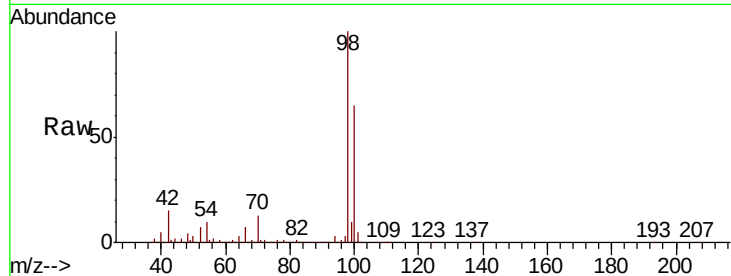




#50
Toluene-d8
Concen: 54.408 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011646.D
Acq: 03 Aug 2019 03:52

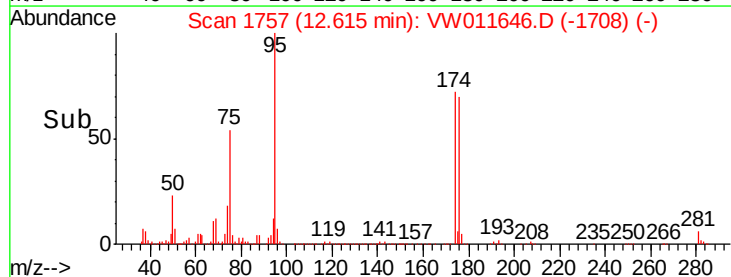
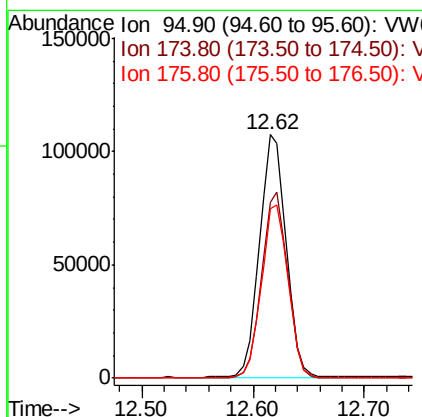
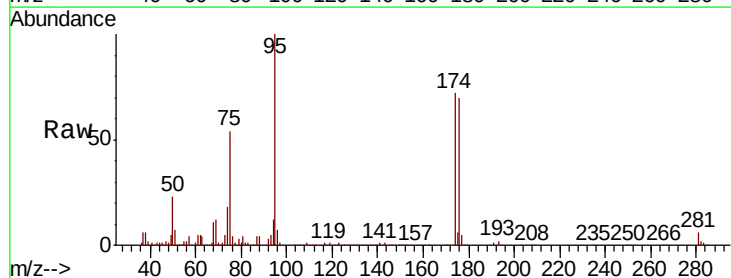
Instrument :
MSVOA_W
ClientSampleId :
1S-E1-(0-1)

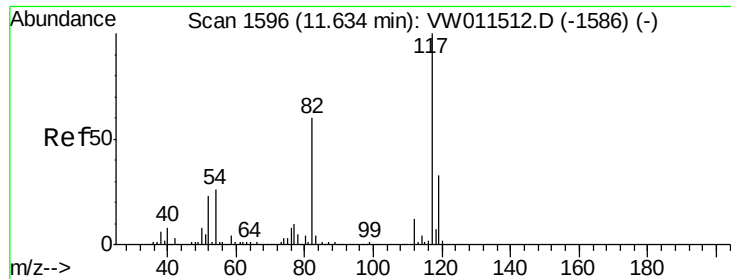
Tgt Ion: 98 Resp: 556376
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 49.185 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011646.D
Acq: 03 Aug 2019 03:52

Tgt Ion: 95 Resp: 179317
Ion Ratio Lower Upper
95 100
174 75.0 0.0 150.2
176 71.7 0.0 144.4

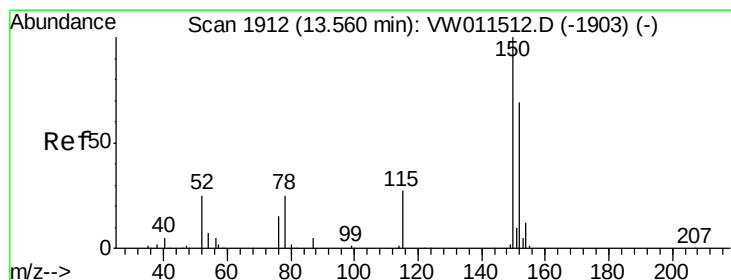
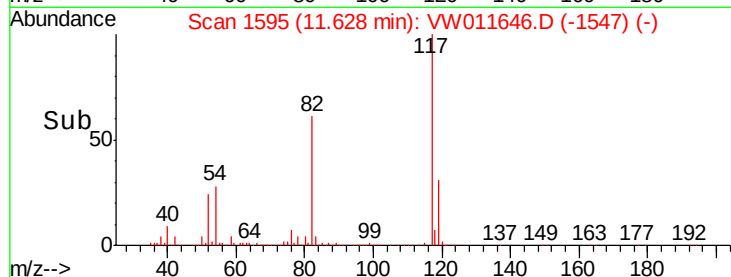
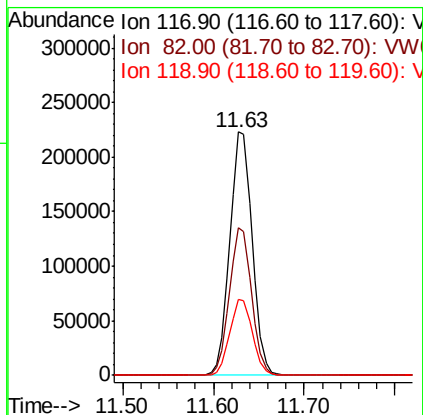
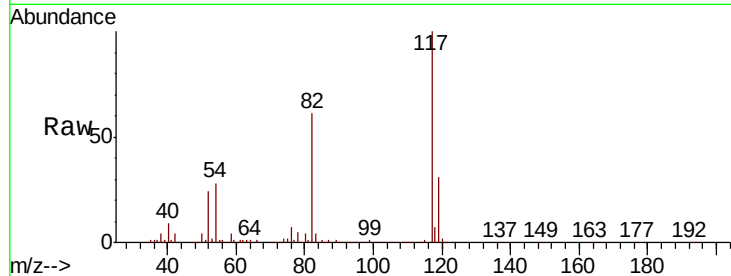




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011646.D
Acq: 03 Aug 2019 03:52

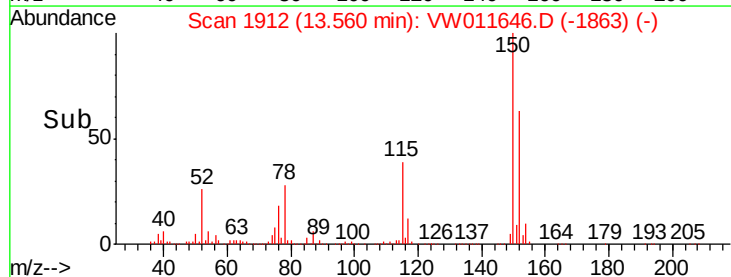
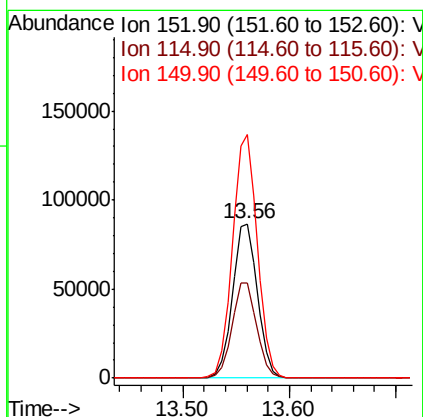
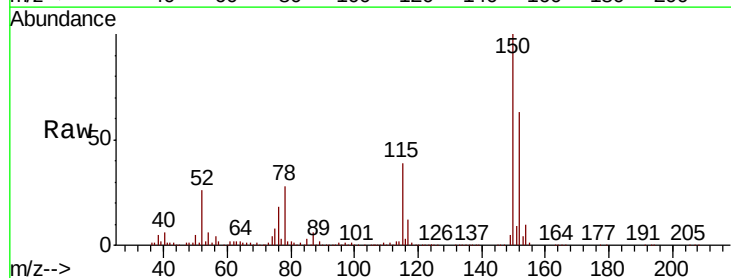
Instrument :
MSVOA_W
ClientSampleId :
1S-E1-(0-1)

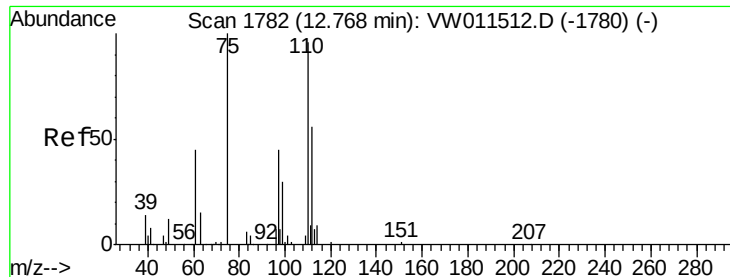
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.8	47.9	71.9
119	31.2	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011646.D
Acq: 03 Aug 2019 03:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.5	91.5
150	157.2	0.0	352.6

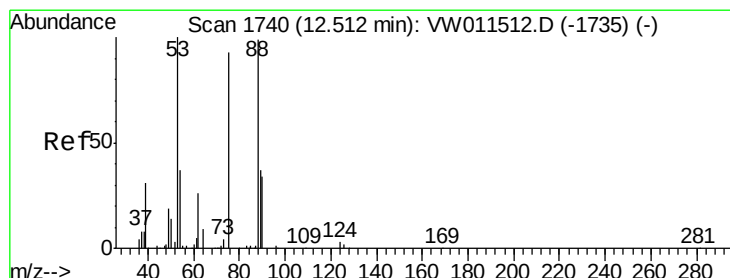
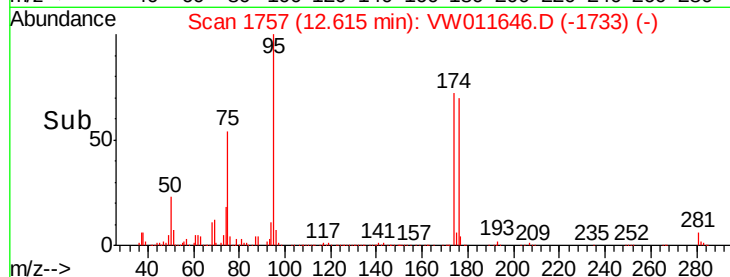
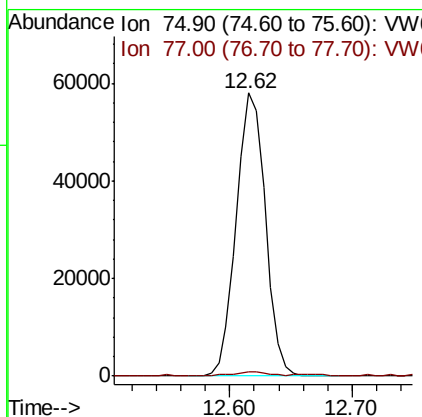
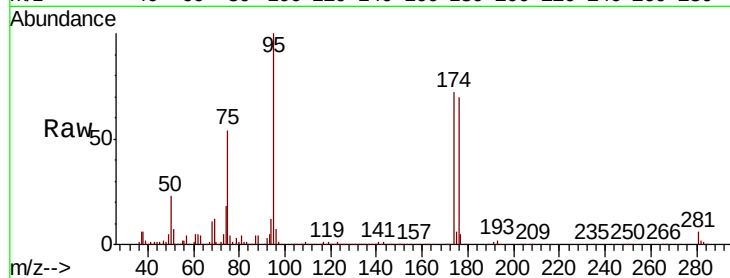




#76
 1,2,3-Trichloropropane
 Concen: 63.813 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011646.D
 Acq: 03 Aug 2019 03:52

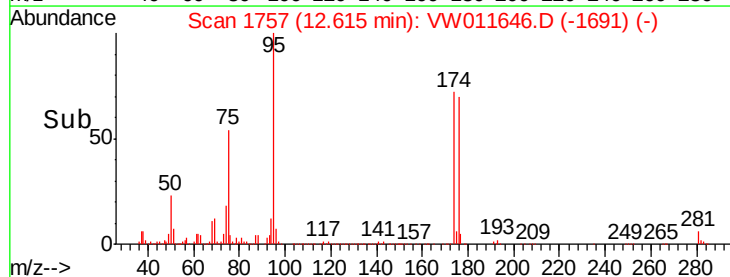
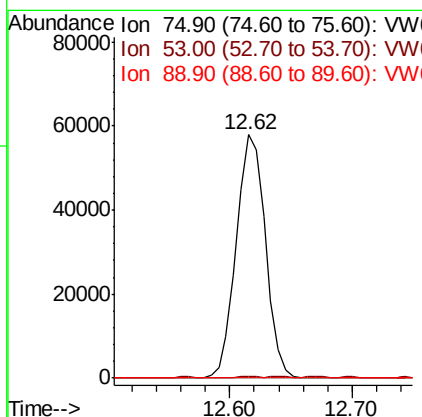
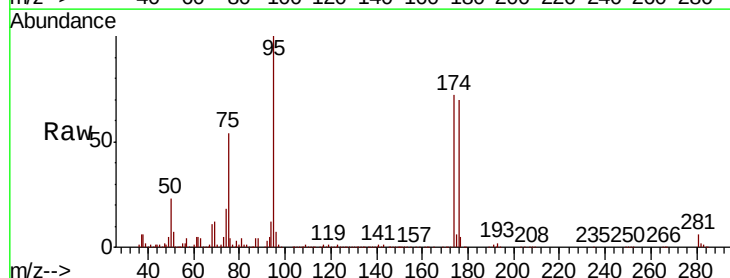
Instrument :
 MSVOA_W
 ClientSampled :
 1S-E1-(0-1)

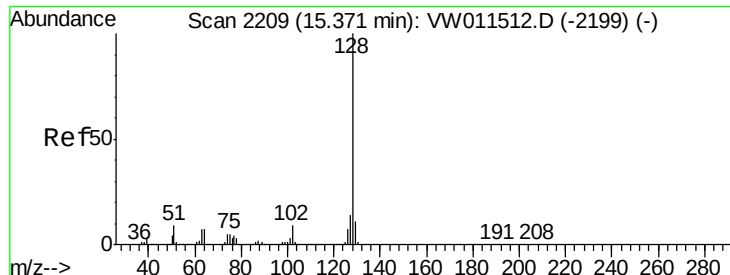
Tgt Ion: 75 Resp: 95756
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.067 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011646.D
 Acq: 03 Aug 2019 03:52

Tgt Ion: 75 Resp: 95756
 Ion Ratio Lower Upper
 75 100
 53 0.3 88.0 132.0#
 89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.168 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011646.D
Acq: 03 Aug 2019 03:52

Instrument :
MSVOA_W
ClientSampleId :
1S-E1-(0-1)

Tgt Ion:128 Resp: 598
Ion Ratio Lower Upper
128 100
127 10.7 10.6 16.0
129 7.2 8.6 13.0#

