

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072519\
 Data File : VW011477.D
 Acq On : 24 Jul 2019 16:13
 Operator : SY/VA
 Sample : K3983-01
 Misc : 6.60G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 04:07:31 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	255255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	341292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121473	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	160997	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	7.88	113	128568	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.32	98	511551	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.62	95	154194	41.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.26%	

Target Compounds

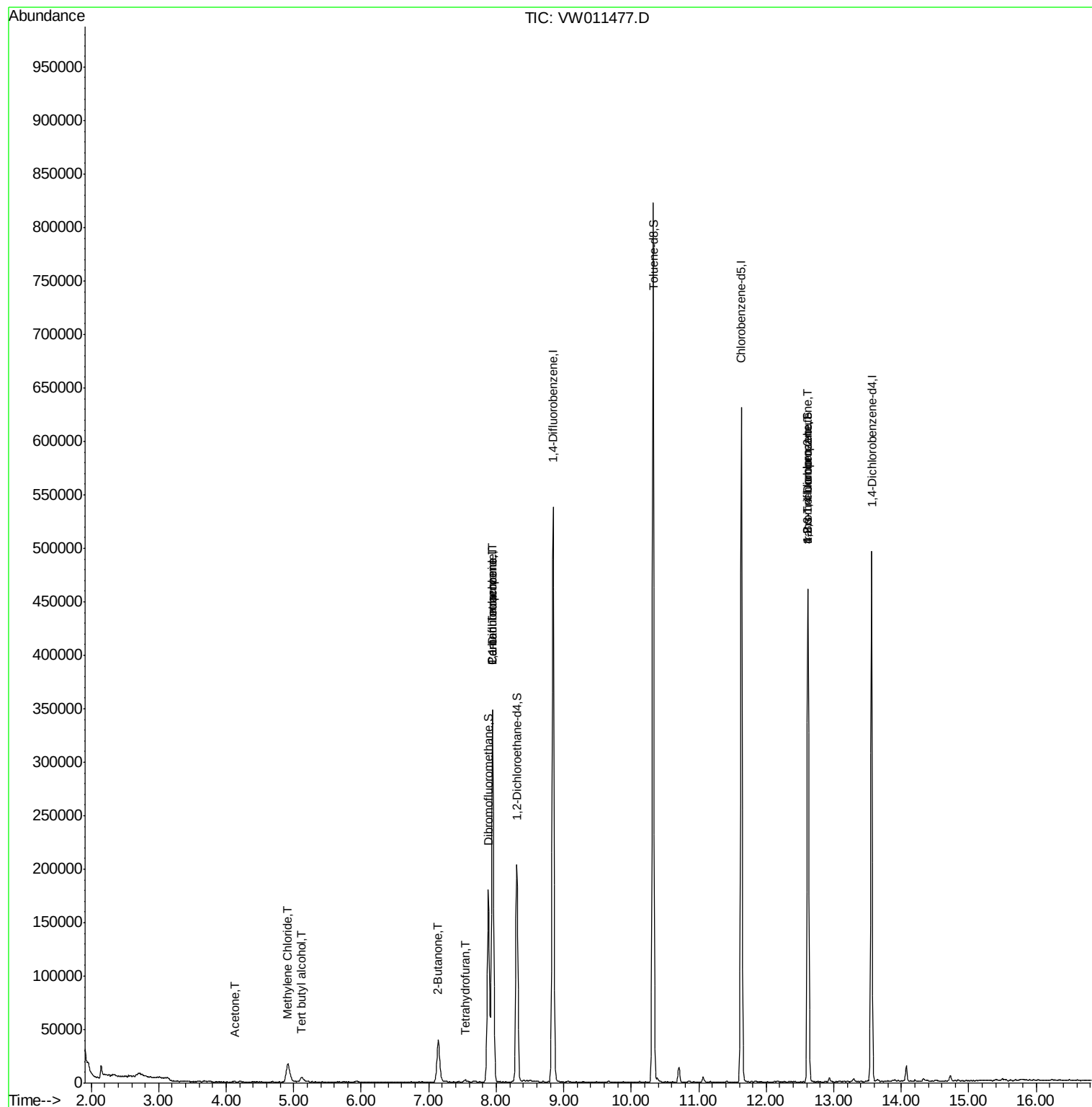
					Qvalue	
11) Tert butyl alcohol	5.12	59	4570	19.245	ug/l #	70
16) Acetone	4.14	43	1228	1.591	ug/l	94
18) Methyl Acetate	4.68	43	534	Below Cal	#	57
20) Methylene Chloride	4.91	84	13875	4.558	ug/l #	86
25) 2-Butanone	7.14	43	2501	2.065	ug/l #	82
29) Tetrahydrofuran	7.54	42	1649	2.076	ug/l #	82
36) 1,1-Dichloropropene	7.95	75	21859	4.836	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24934	6.507	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	79841	56.876	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79841	128.642	ug/l #	6

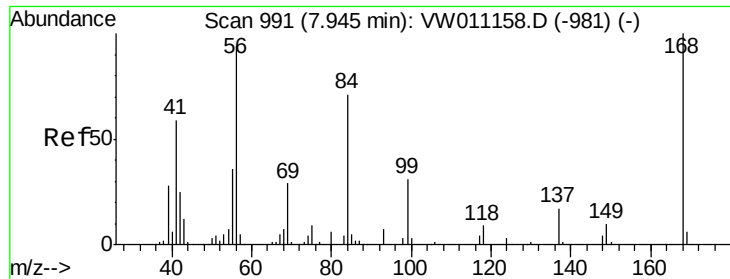
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011477.D

Acq: 24 Jul 2019 16:13

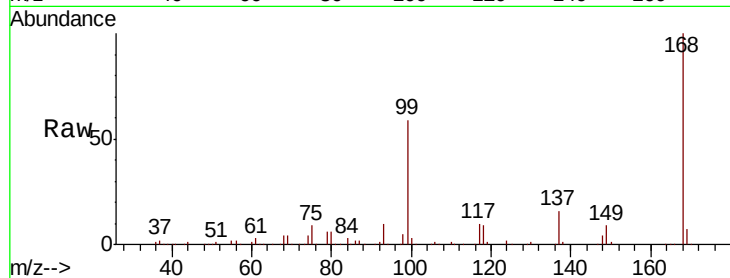
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 255255

Ion Ratio Lower Upper

168 100

99 59.0 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

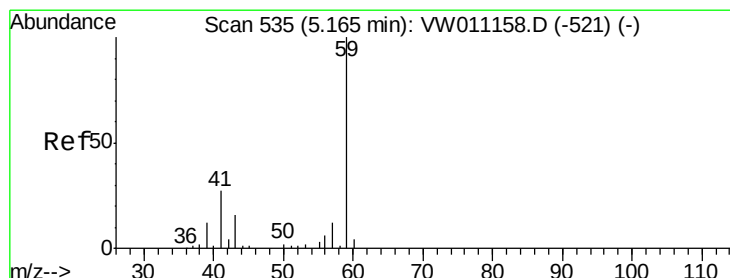
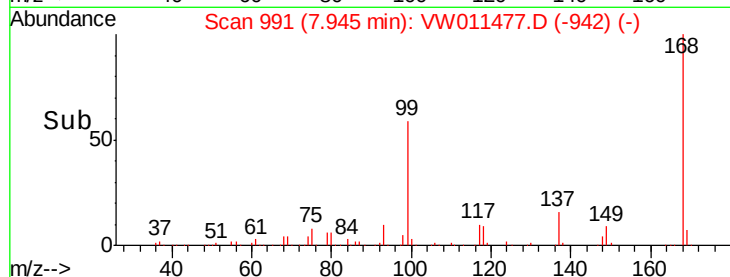
100000

50000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 19.245 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011477.D

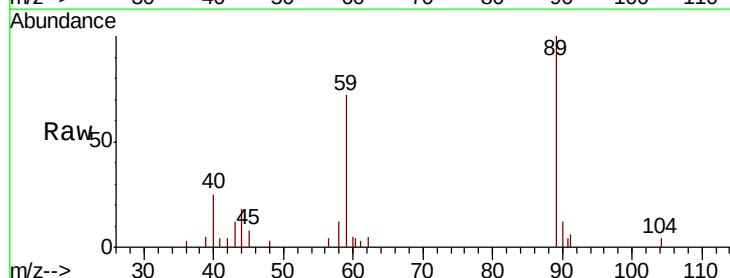
Acq: 24 Jul 2019 16:13

Tgt Ion: 59 Resp: 4570

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

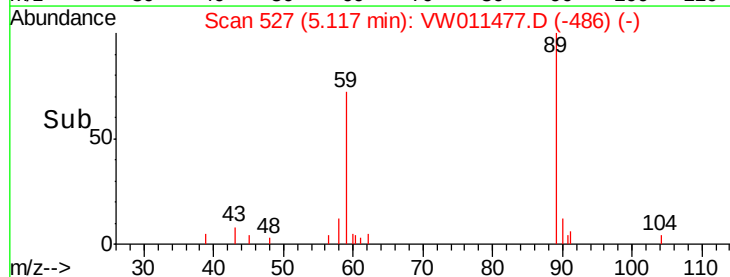
1000

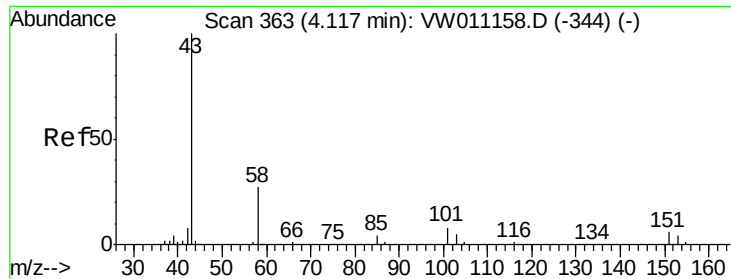
500

0

Time-->

5.00 5.10 5.20





#16

Acetone

Concen: 1.591 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011477.D

Acq: 24 Jul 2019 16:13

Instrument :

MSVOA_W

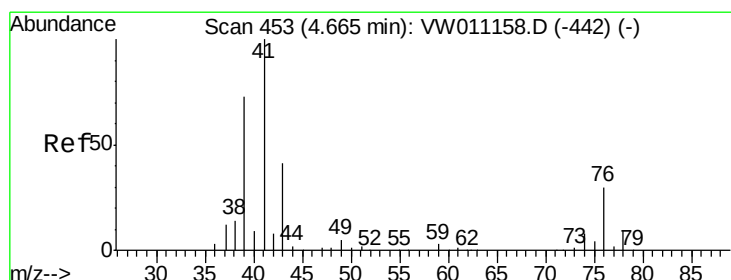
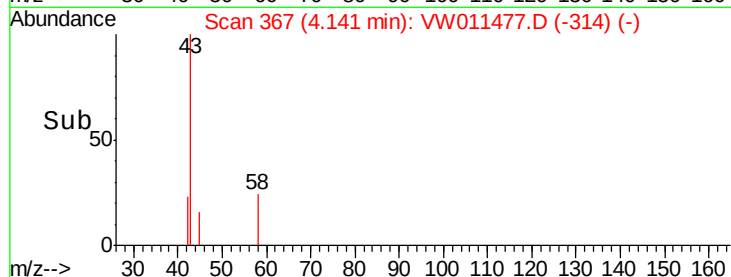
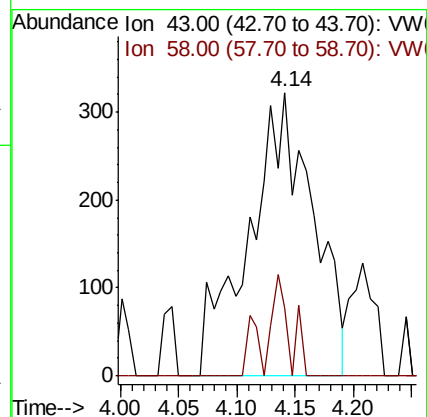
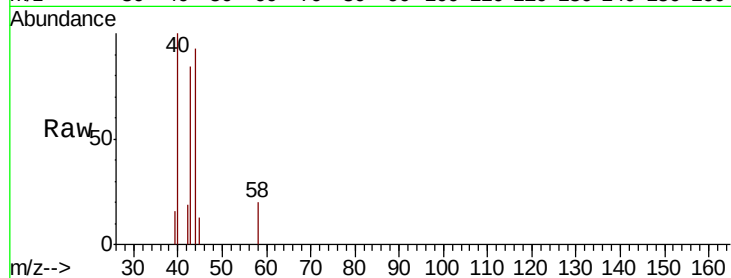
ClientSampleId :

Tot Ion: 43 Resp: 1228

Ion Ratio Lower Upper

43 100

58 23.9 21.8 32.6



#18

Methyl Acetate

Concen: Below Cal

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW011477.D

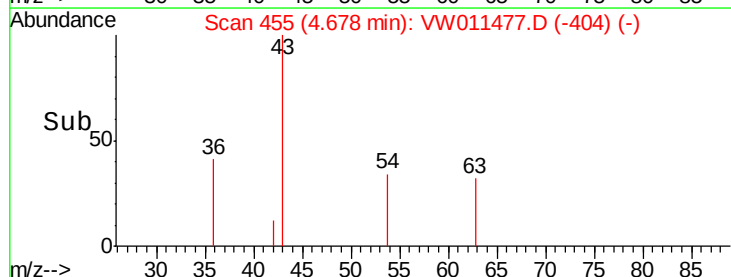
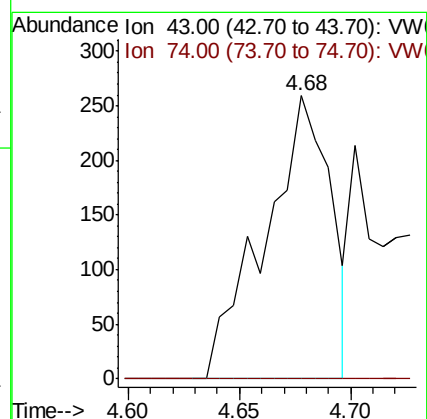
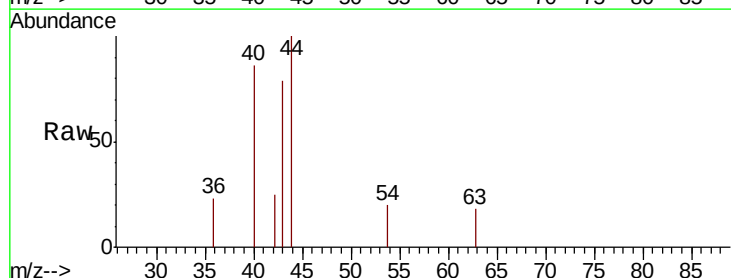
Acq: 24 Jul 2019 16:13

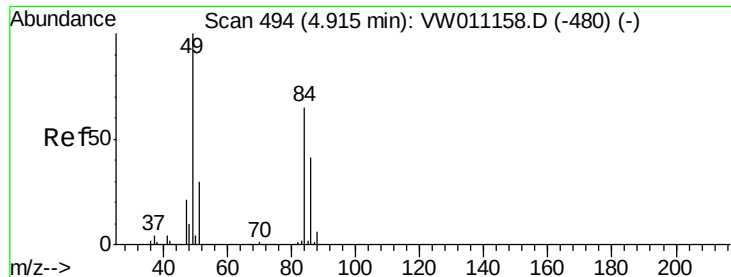
Tgt Ion: 43 Resp: 534

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#

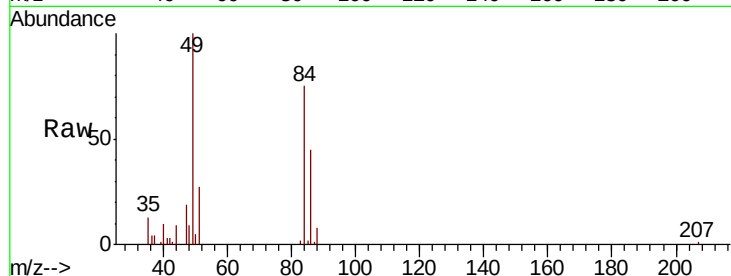




#20
Methylene Chloride
Concen: 4.558 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011477.D
Acq: 24 Jul 2019 16:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	84	Resp	13875
Ion Ratio	Lower	Upper	
84	100		
49	132.2	123.8	185.6
51	36.7	37.4	56.2#
86	59.5	51.1	76.7



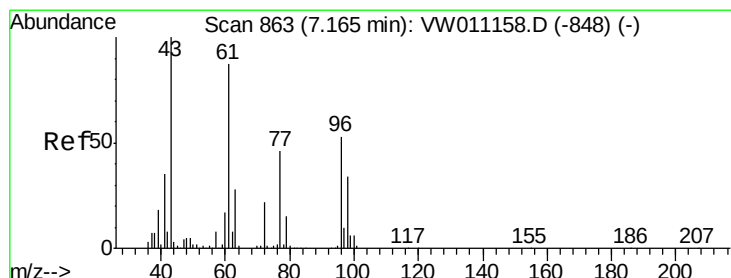
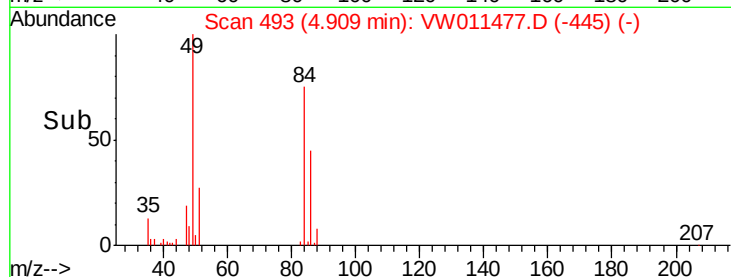
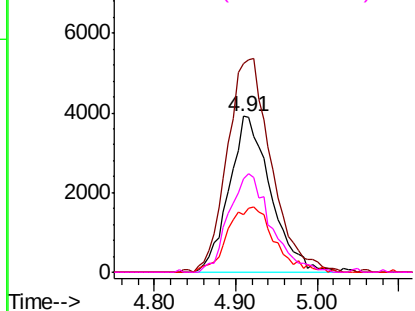
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

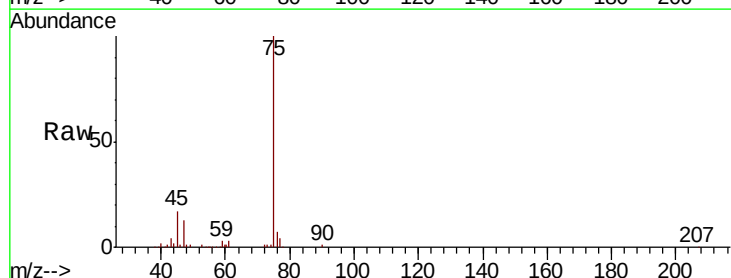
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 2.065 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011477.D
Acq: 24 Jul 2019 16:13

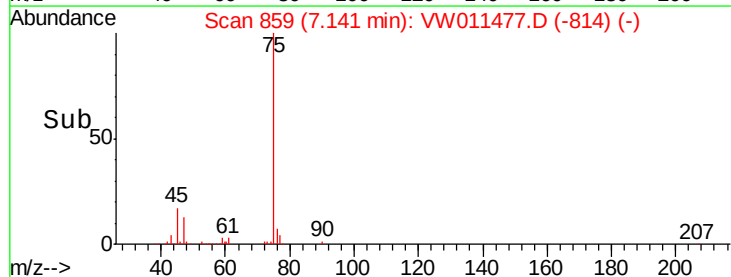
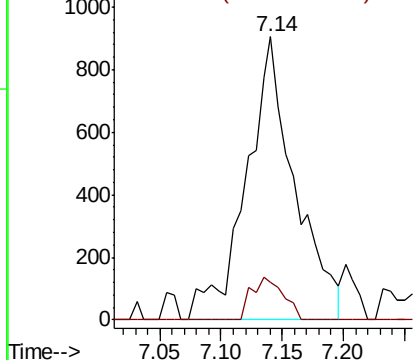
Tgt Ion	43	Resp	2501
Ion Ratio	Lower	Upper	
43	100		
72	13.4	17.6	26.4#

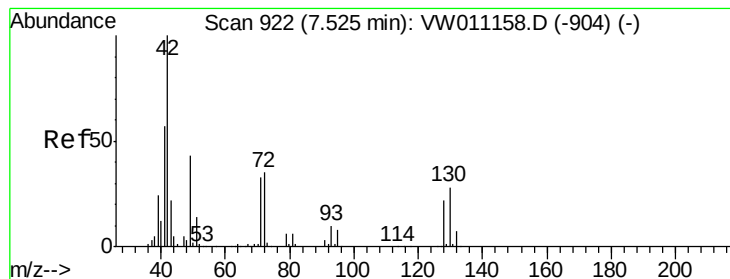


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 2.076 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

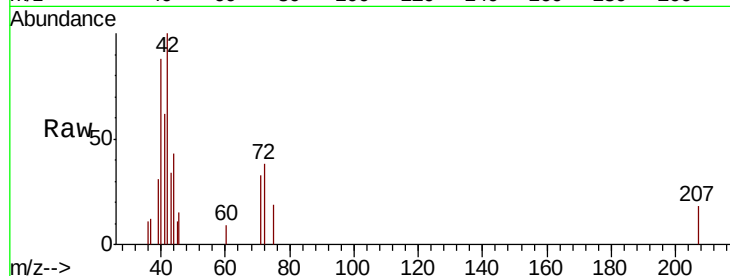
Lab File: VW011477.D

Acq: 24 Jul 2019 16:13

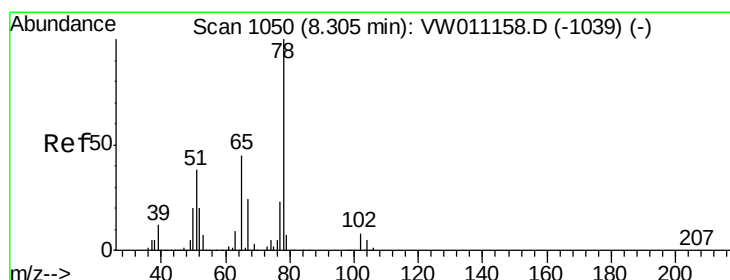
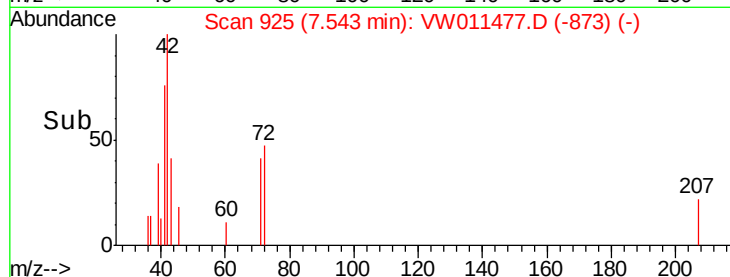
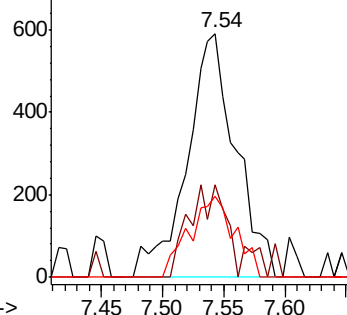
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 1649

Ion	Ratio	Lower	Upper
42	100		
72	16.3	27.4	41.2#
71	30.7	25.9	38.9



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



#33

1,2-Dichloroethane-d4

Concen: 50.196 ug/l

RT: 8.31 min Scan# 1050

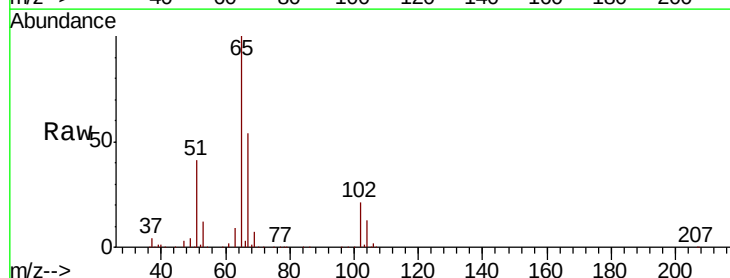
Delta R.T. 0.00 min

Lab File: VW011477.D

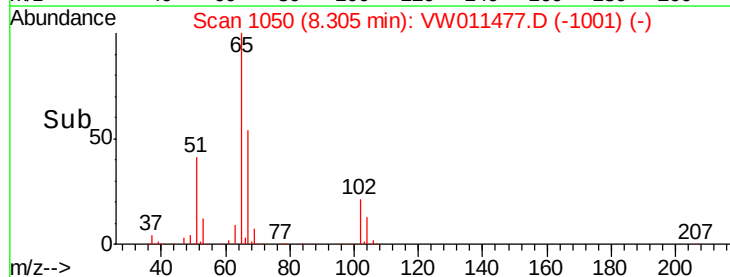
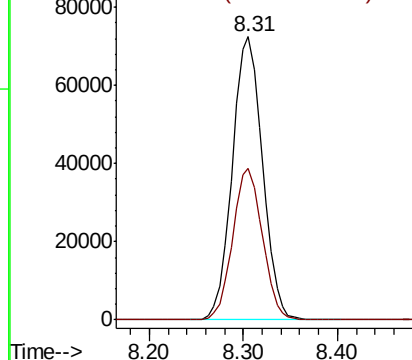
Acq: 24 Jul 2019 16:13

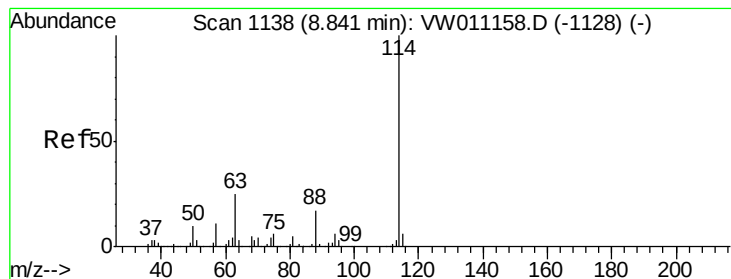
Tgt Ion: 65 Resp: 160997

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.4



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: VW011477.D

Acq: 24 Jul 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

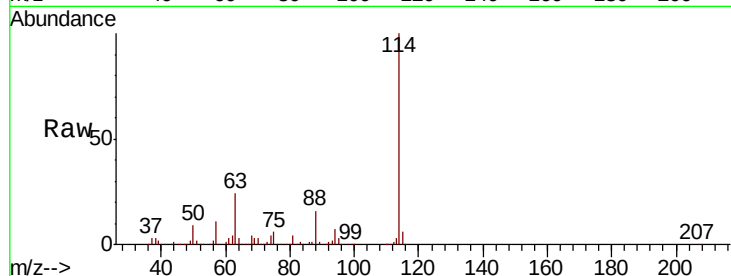
Tot Ion:114 Resp: 424498

Ion Ratio Lower Upper

114 100

63 23.9 0.0 50.8

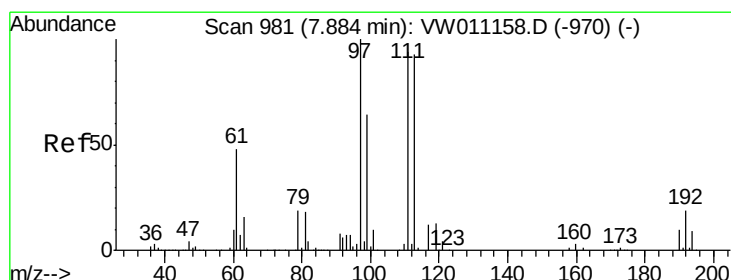
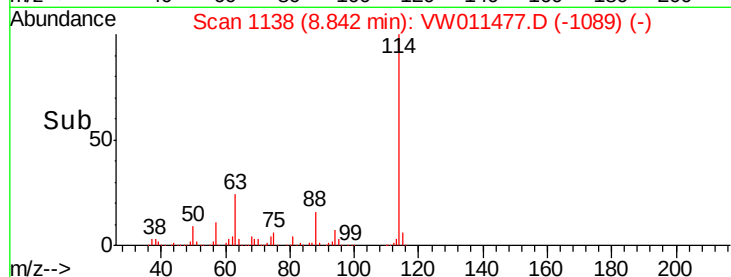
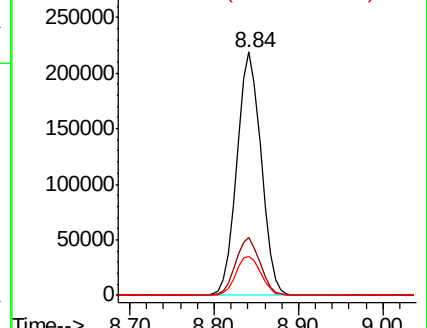
88 15.9 0.0 34.2



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: 50.813 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011477.D

Acq: 24 Jul 2019 16:13

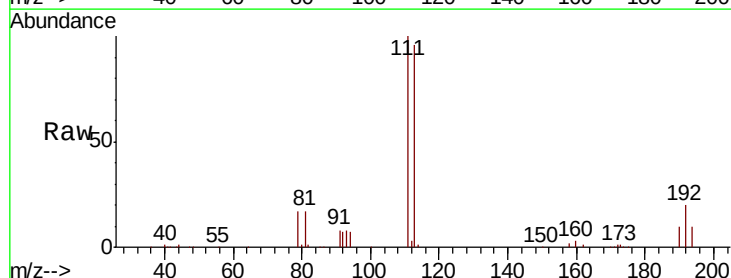
Tgt Ion:113 Resp: 128568

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

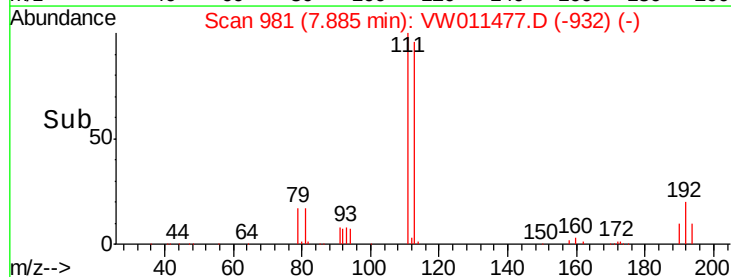
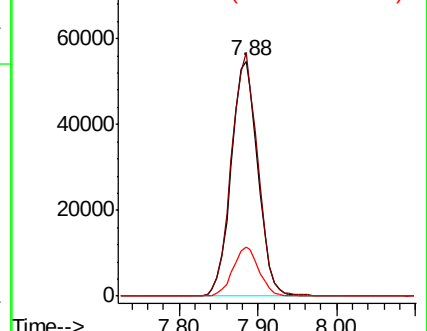
192 20.2 15.8 23.8

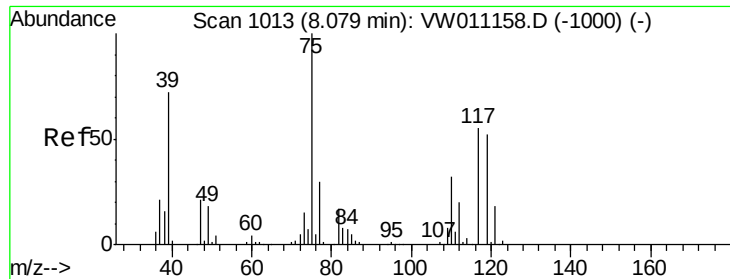


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

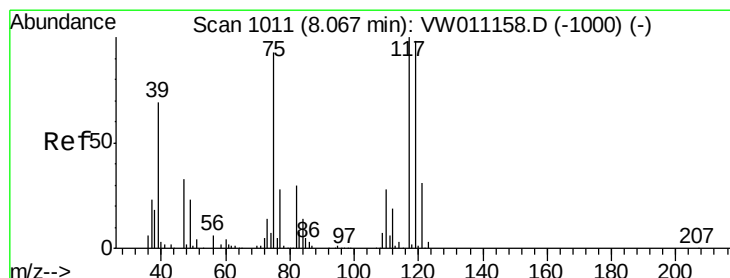
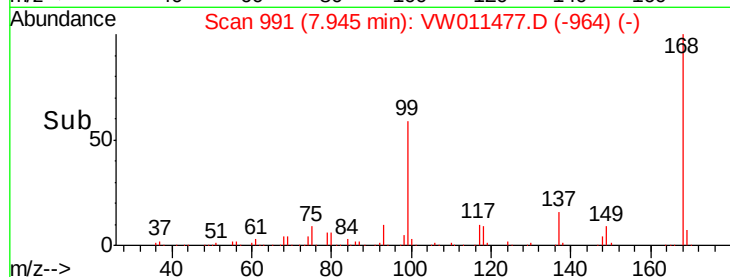
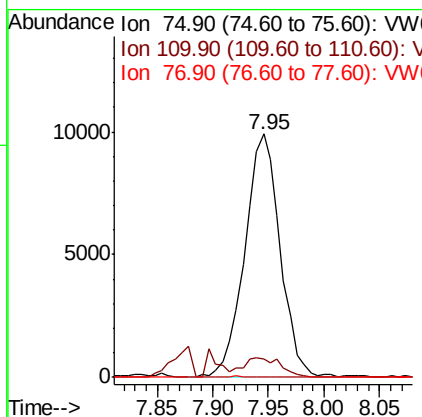
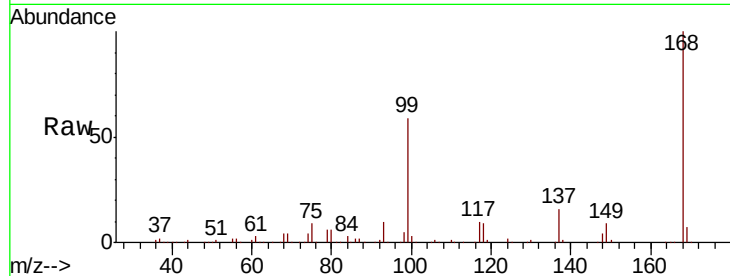




#36
 1,1-Dichloropropene
 Concen: 4.836 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011477.D
 Acq: 24 Jul 2019 16:13

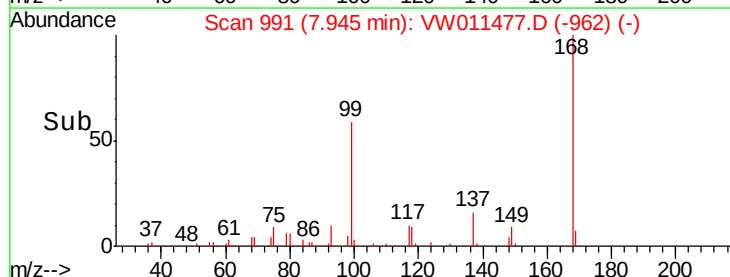
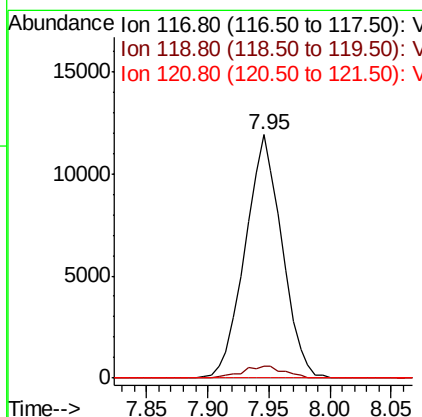
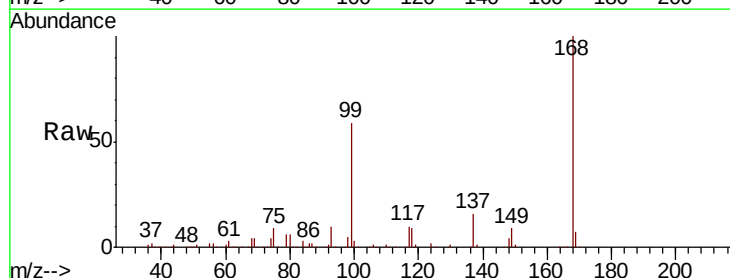
Instrument :
 MSVOA_W
 ClientSampled :

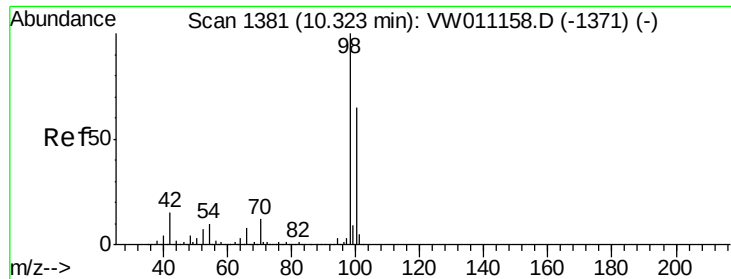
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	15.9	47.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.507 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011477.D
 Acq: 24 Jul 2019 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	78.1	117.1#
121	0.0	25.1	37.7#

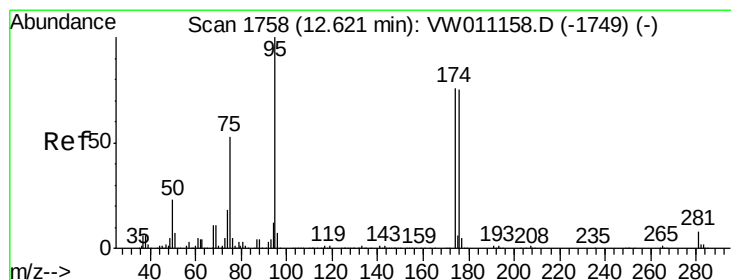
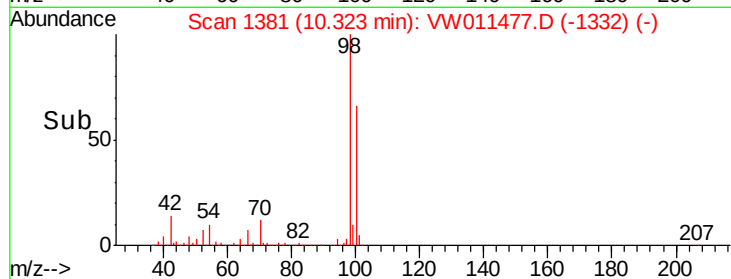
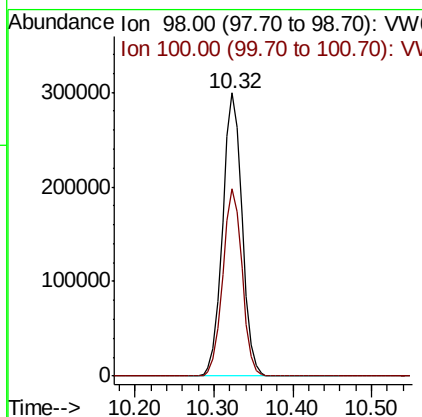
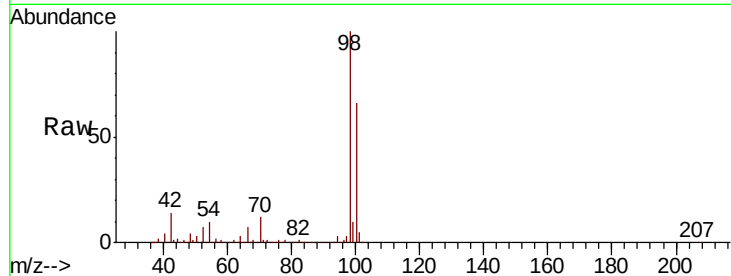




#50
Toluene-d8
Concen: 50.018 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011477.D
Acq: 24 Jul 2019 16:13

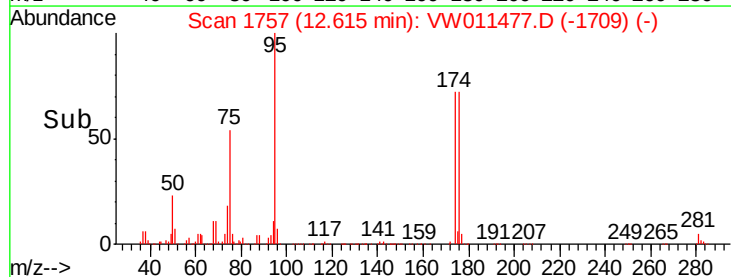
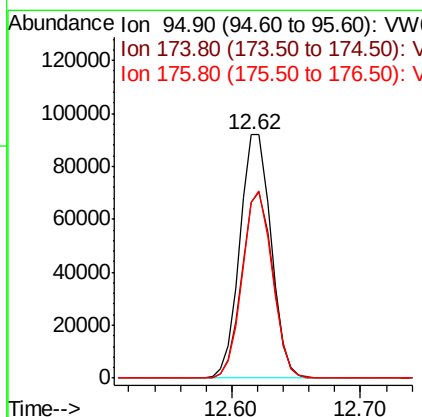
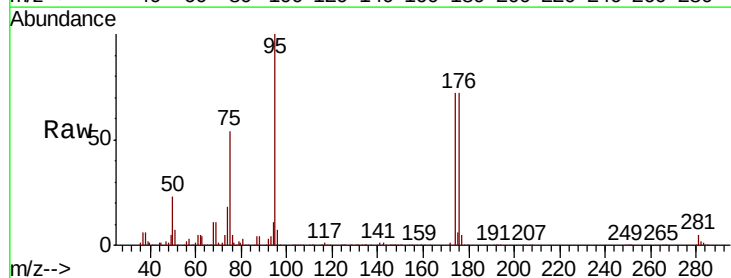
Instrument :
MSVOA_W
ClientSampleId :

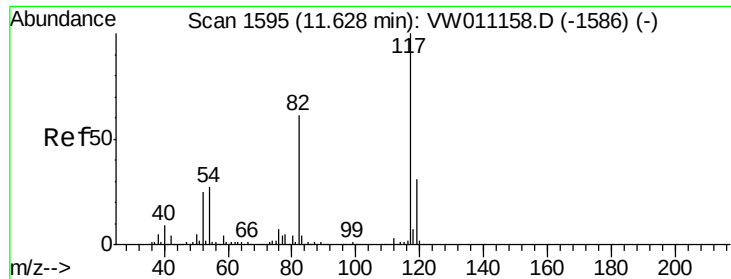
Tot Ion: 98 Resp: 511551
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 41.133 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011477.D
Acq: 24 Jul 2019 16:13

Tgt Ion: 95 Resp: 154194
Ion Ratio Lower Upper
95 100
174 75.4 0.0 147.6
176 73.6 0.0 144.6

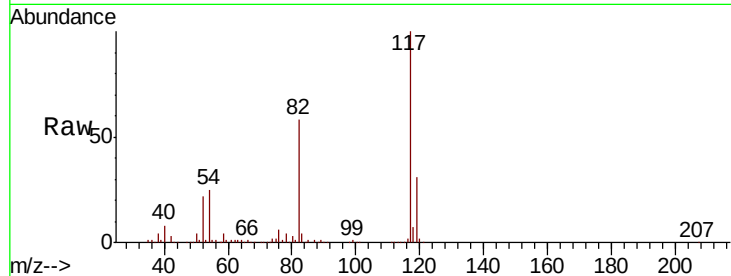




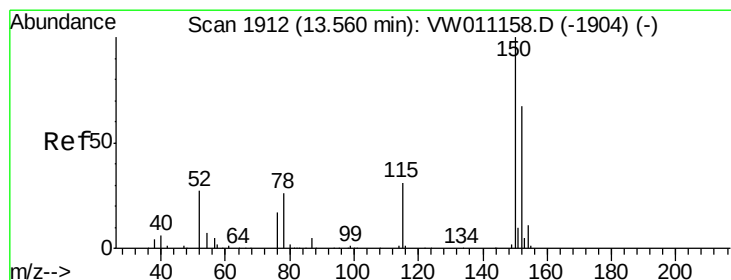
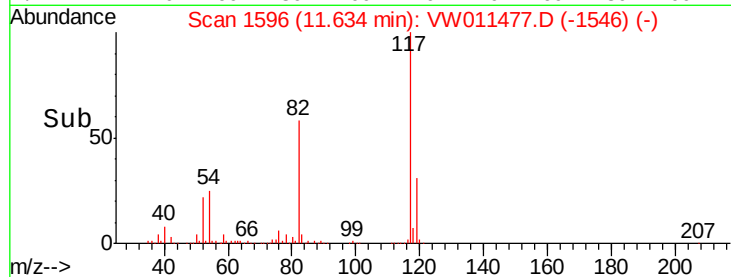
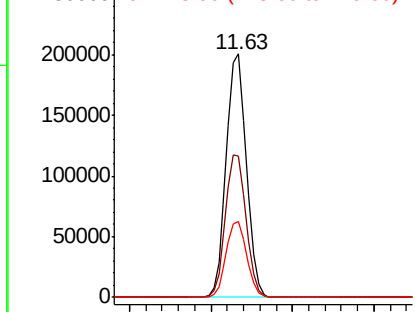
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011477.D
Acq: 24 Jul 2019 16:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	48.9	73.3
119	31.3	25.0	37.6

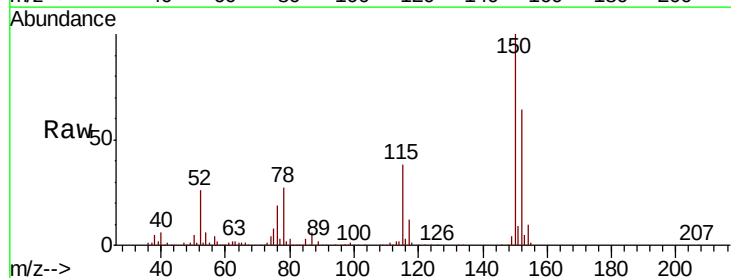


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

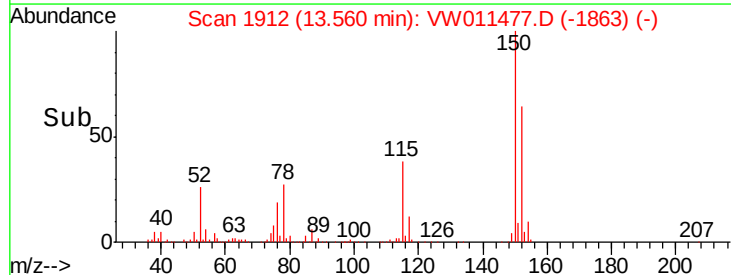
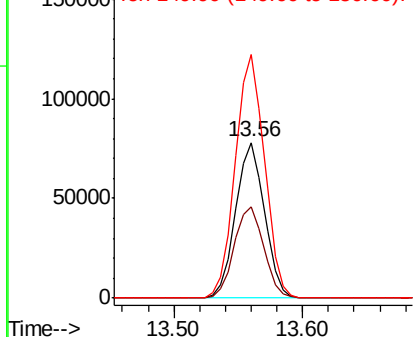


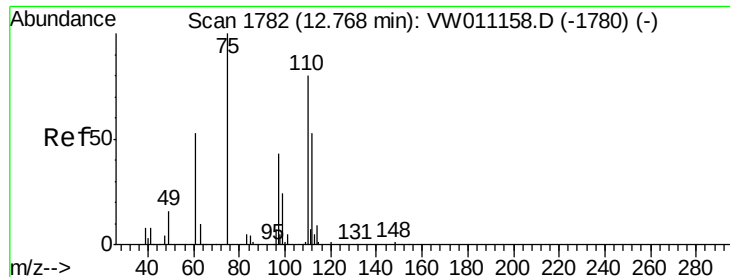
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011477.D
Acq: 24 Jul 2019 16:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.1	90.3
150	158.7	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



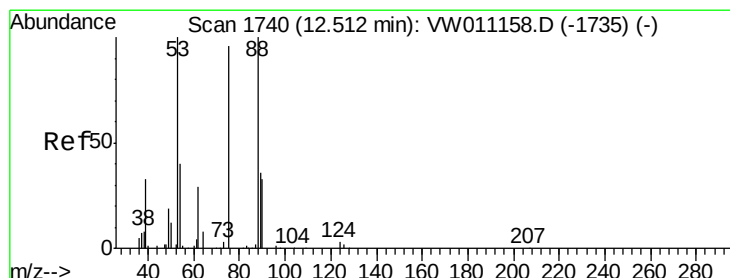
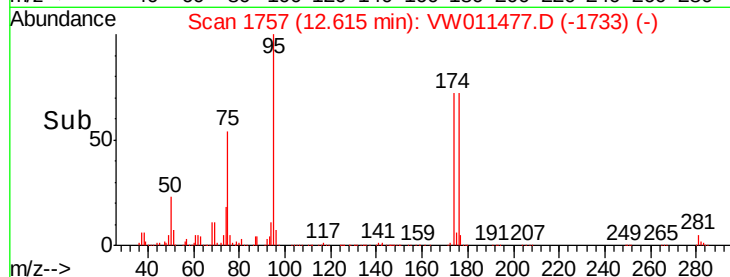
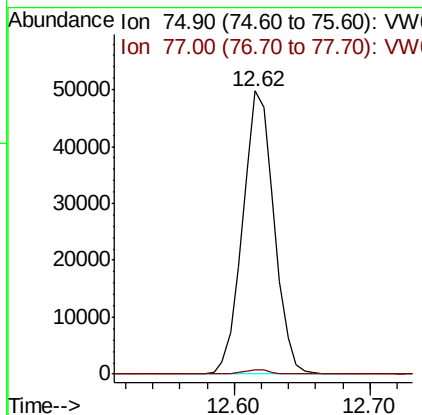
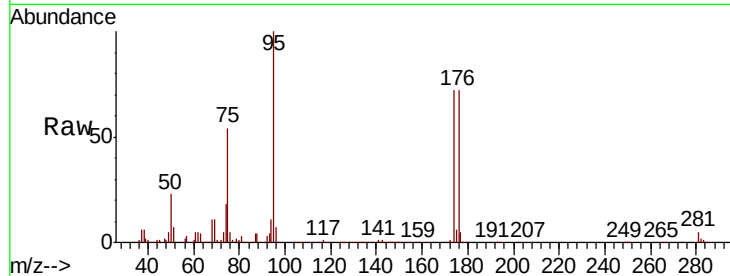


#76

1,2,3-Trichloropropane
Concen: 56.876 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW011477.D
Acq: 24 Jul 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 79841
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 128.642 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011477.D
Acq: 24 Jul 2019 16:13

Tgt Ion: 75 Resp: 79841
Ion Ratio Lower Upper
75 100
53 0.1 89.8 134.6#
89 0.0 34.3 51.5#

