

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072519\
 Data File : VW011481.D
 Acq On : 24 Jul 2019 17:59
 Operator : SY/VA
 Sample : K3983-05
 Misc : 6.45G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 04:08:19 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	112859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	170363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	134960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	46726	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	65348	46.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.16%	
35) Dibromofluoromethane	7.88	113	51270	50.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.98%	
50) Toluene-d8	10.32	98	202702	49.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.62	95	58897	39.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	78.30%	

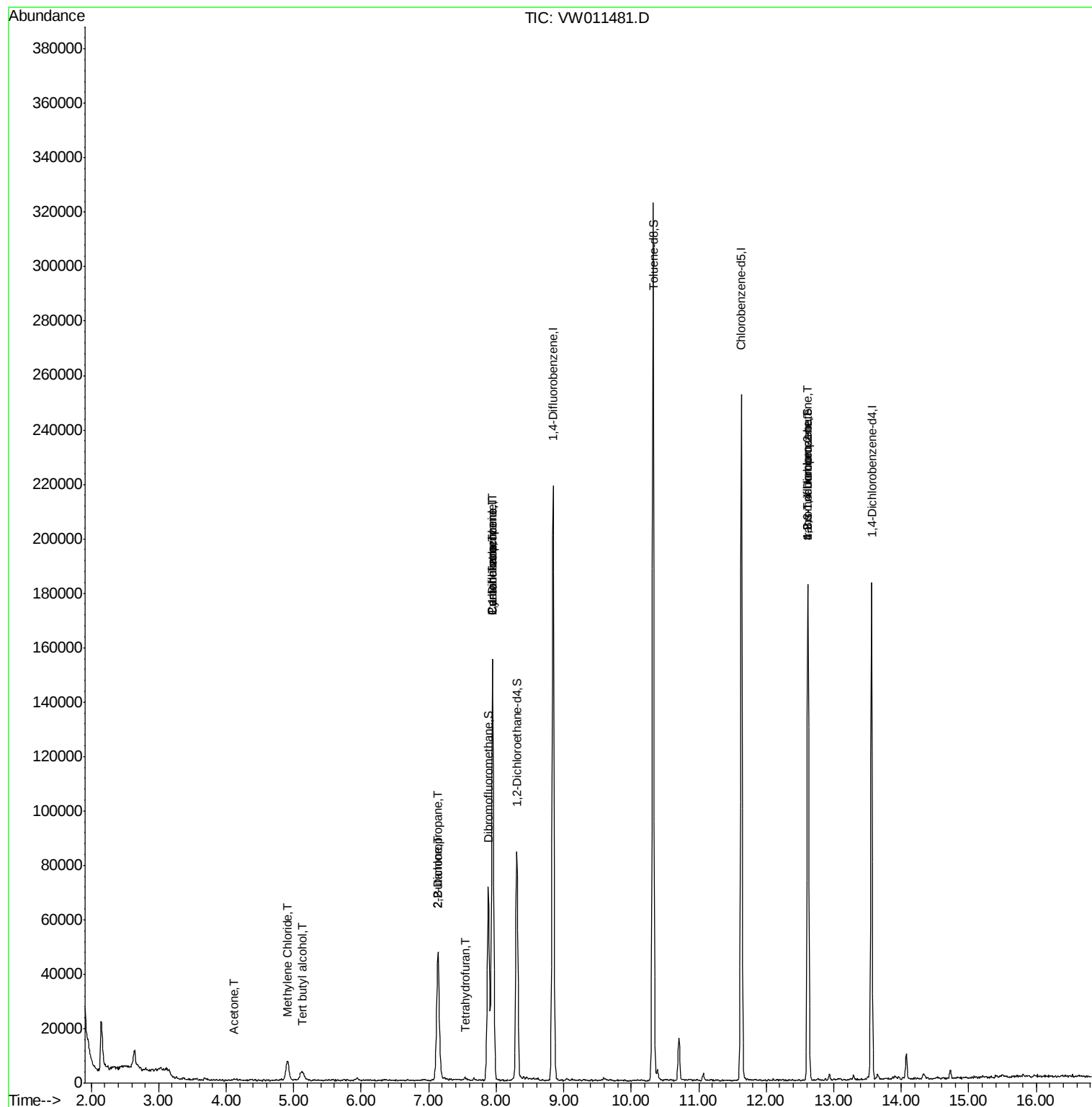
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	4057	38.641	ug/l #	70
16) Acetone	4.12	43	572	1.676	ug/l #	86
18) Methyl Acetate	4.68	43	239	Below Cal	#	57
20) Methylene Chloride	4.90	84	4855	3.607	ug/l	97
25) 2-Butanone	7.14	43	2800	5.228	ug/l #	87
26) 2,2-Dichloropropane	7.13	77	3089	2.301	ug/l #	53
29) Tetrahydrofuran	7.54	42	749	2.133	ug/l #	79
31) Cyclohexane	7.95	56	2827	1.029	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	10158	5.599	ug/l #	52
38) Carbon Tetrachloride	7.95	117	11573	7.525	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	30641	56.745	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	30641	128.346	ug/l #	5

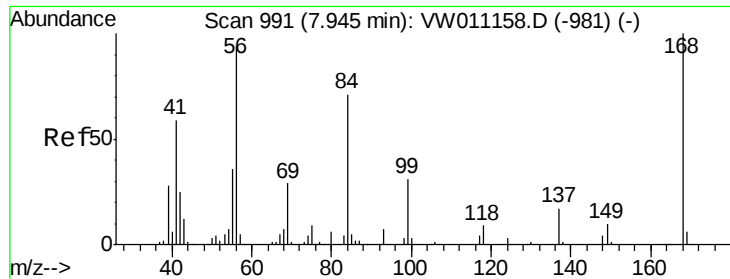
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011481.D

Acq: 24 Jul 2019 17:59

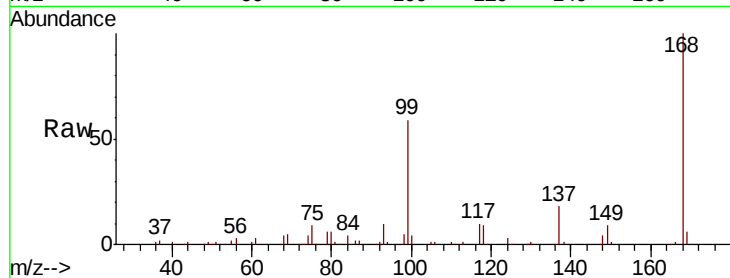
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 112859

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

60000

50000

40000

30000

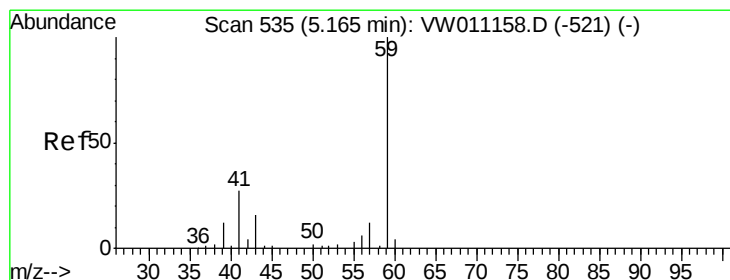
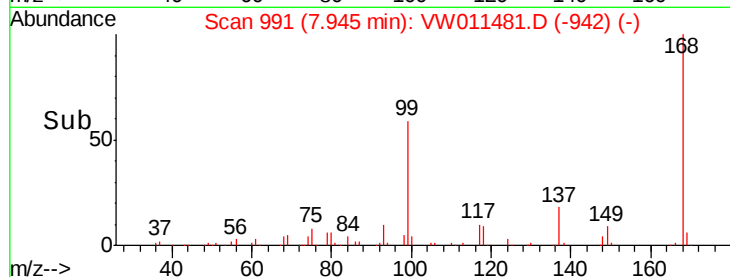
20000

10000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 38.641 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW011481.D

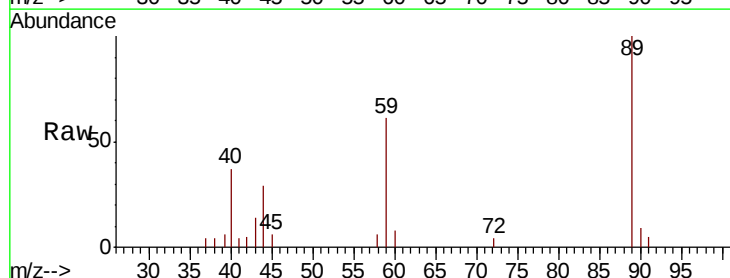
Acq: 24 Jul 2019 17:59

Tgt Ion: 59 Resp: 4057

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

800

600

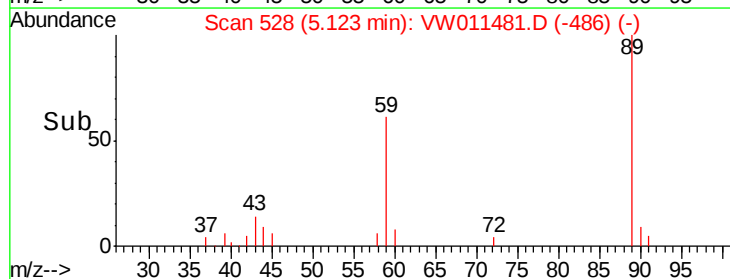
400

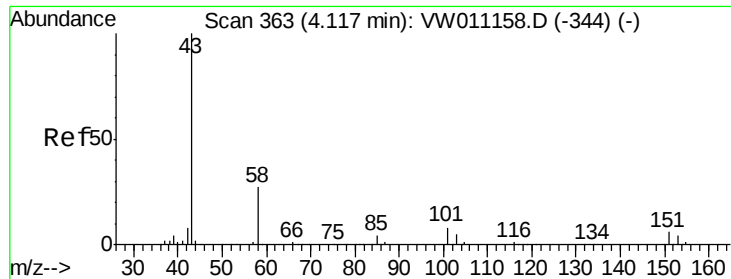
200

0

Time-->

5.00 5.10 5.20





#16

Acetone

Concen: 1.676 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011481.D

Acq: 24 Jul 2019 17:59

Instrument :

MSVOA_W

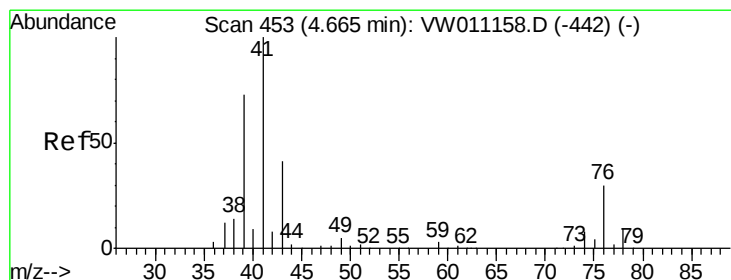
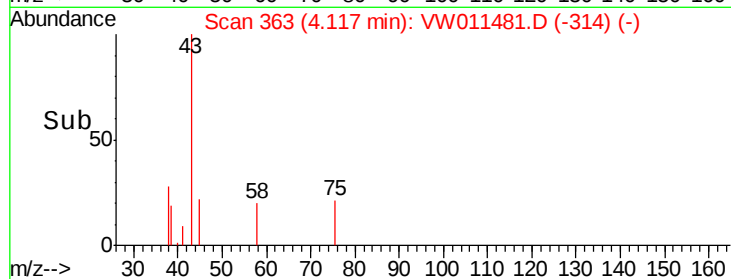
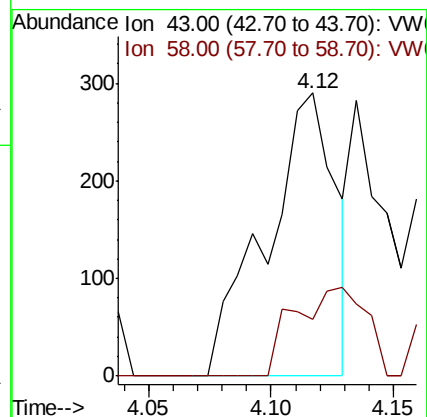
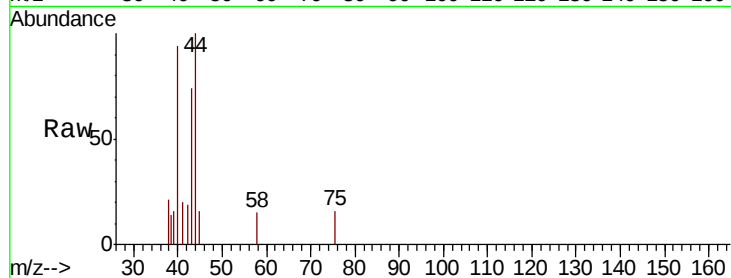
ClientSampled :

Tot Ion: 43 Resp: 572

Ion Ratio Lower Upper

43 100

58 20.0 21.8 32.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.68 min Scan# 456

Delta R.T. 0.02 min

Lab File: VW011481.D

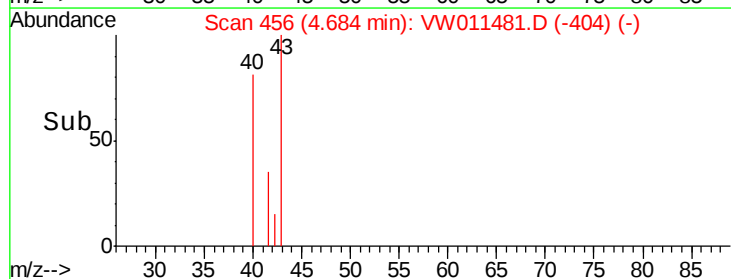
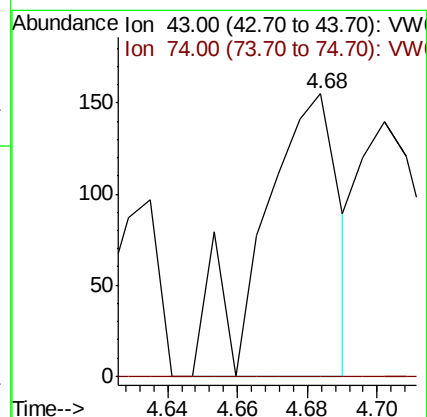
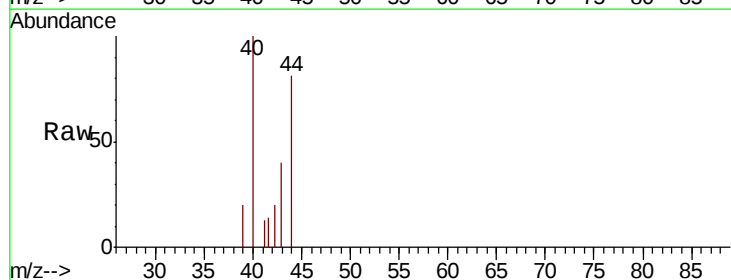
Acq: 24 Jul 2019 17:59

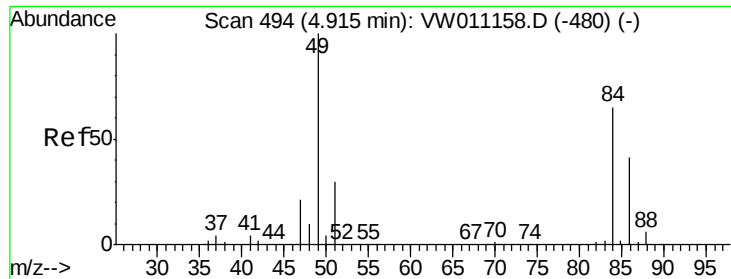
Tgt Ion: 43 Resp: 239

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#

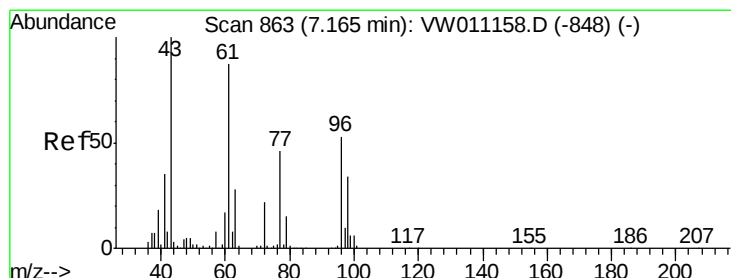
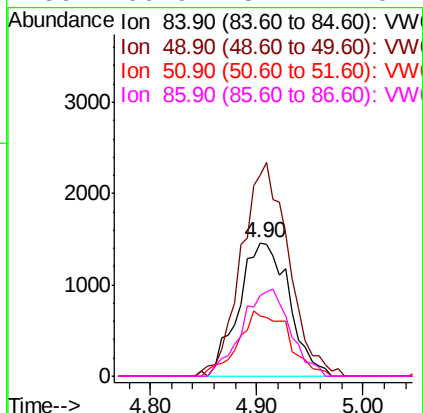
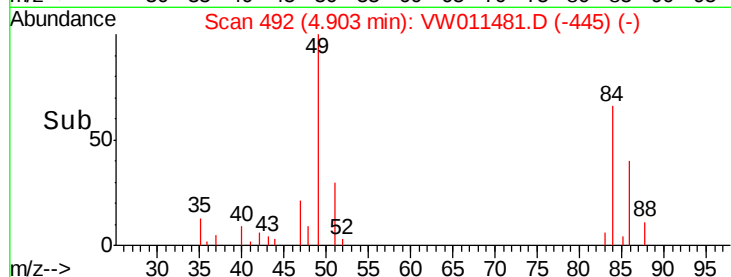
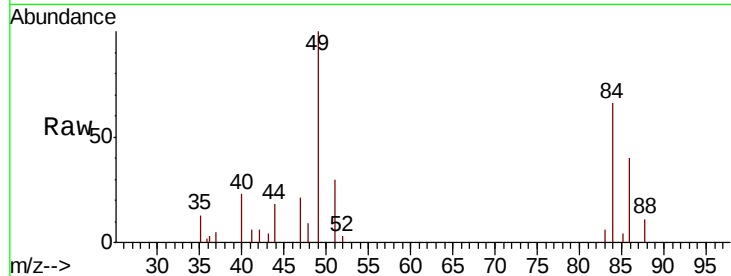




#20
Methvlene Chloride
Concen: 3.607 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW011481.D
Acq: 24 Jul 2019 17:59

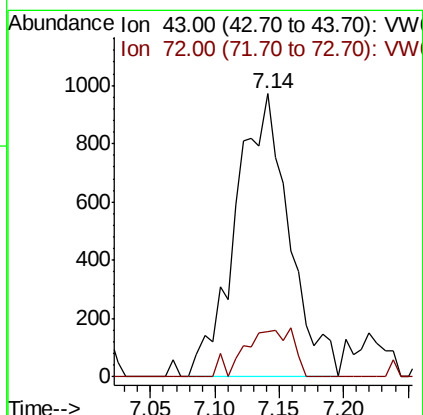
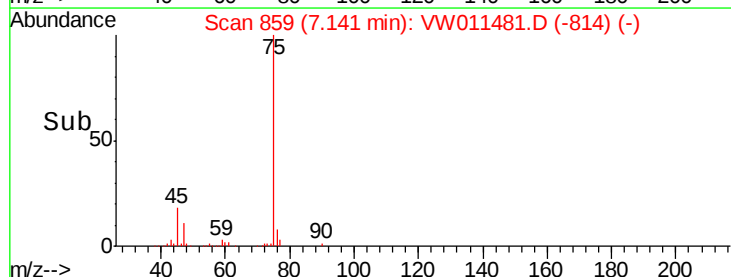
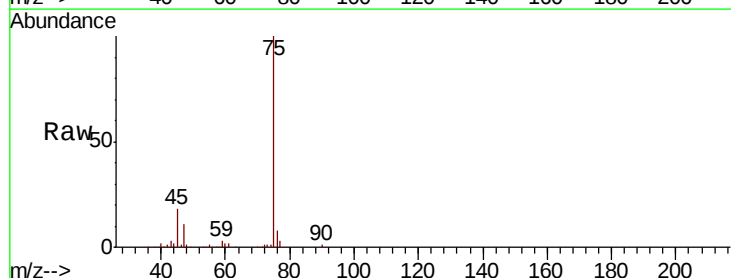
Instrument :
MSVOA_W
ClientSampleId :

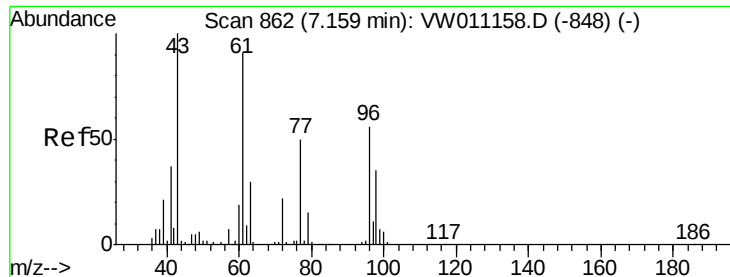
Tot Ion:	84	Resp:	4855
Ion	Ratio	Lower	Upper
84	100		
49	150.9	123.8	185.6
51	45.2	37.4	56.2
86	60.9	51.1	76.7



#25
2-Butanone
Concen: 5.228 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011481.D
Acq: 24 Jul 2019 17:59

Tgt Ion:	43	Resp:	2800
Ion	Ratio	Lower	Upper
43	100		
72	15.9	17.6	26.4#





#26

2,2-Dichloropropane

Concen: 2.301 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW011481.D

Acq: 24 Jul 2019 17:59

Instrument :

MSVOA_W

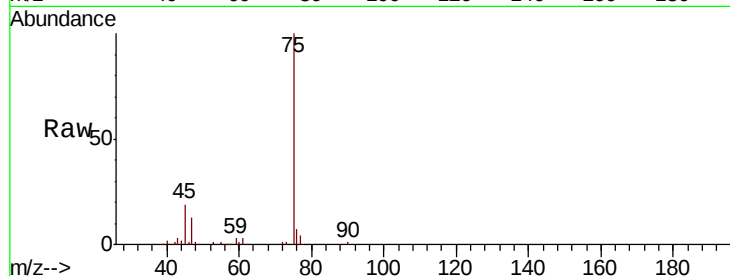
ClientSampleId :

Tot Ion: 77 Resp: 3089

Ion Ratio Lower Upper

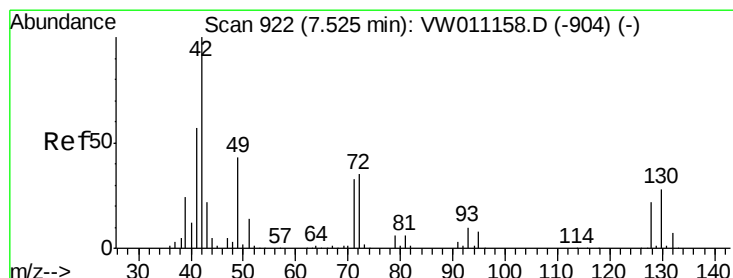
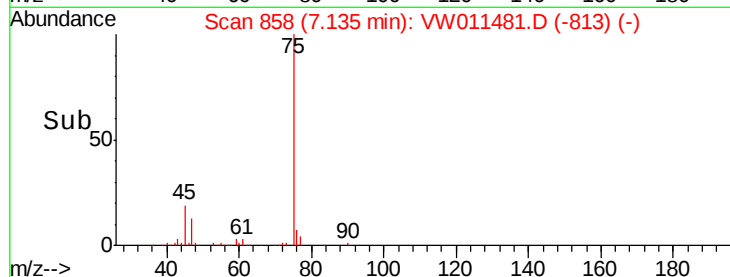
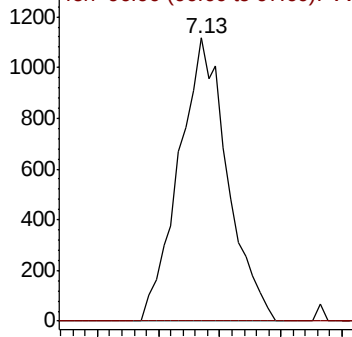
77 100

97 0.0 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 2.133 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011481.D

Acq: 24 Jul 2019 17:59

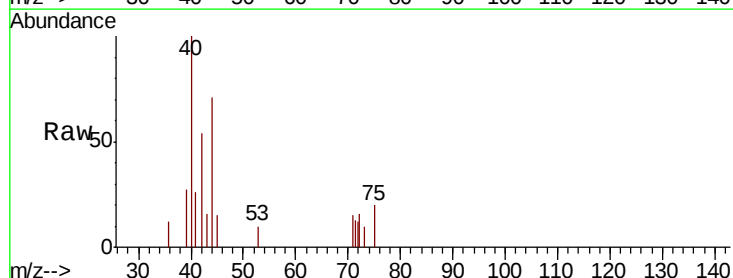
Tgt Ion: 42 Resp: 749

Ion Ratio Lower Upper

42 100

72 21.8 27.4 41.2#

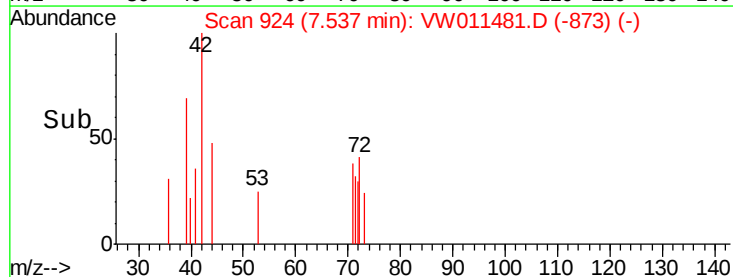
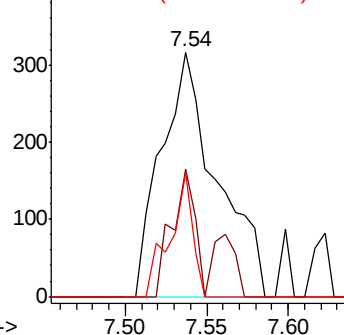
71 20.8 25.9 38.9#

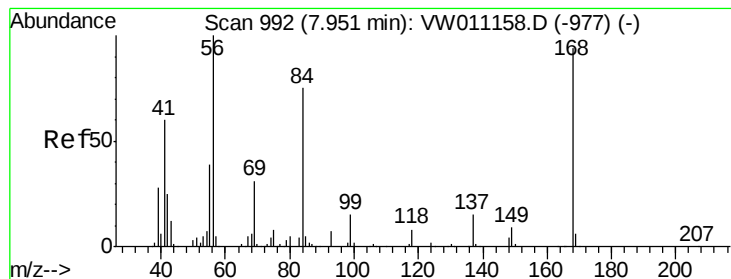


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.029 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011481.D

Acq: 24 Jul 2019 17:59

Instrument :
MSVOA_W
ClientSampled :

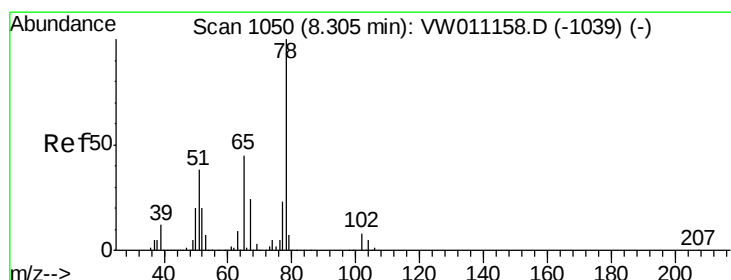
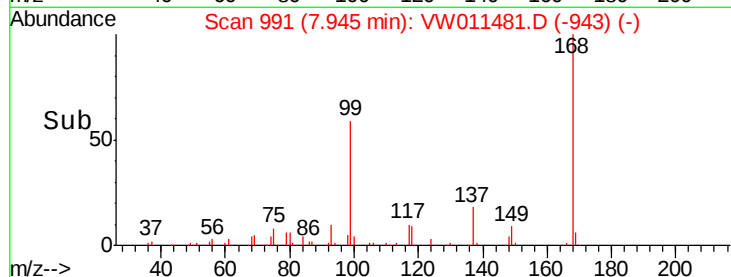
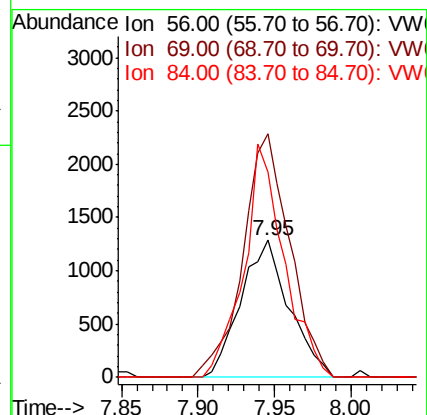
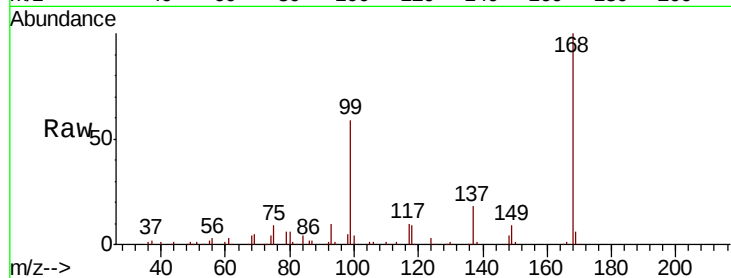
Tot Ion: 56 Resp: 2827

Ion Ratio Lower Upper

56 100

69 177.8 24.6 36.8#

84 150.2 60.1 90.1#



#33

1,2-Dichloroethane-d4

Concen: 46.081 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011481.D

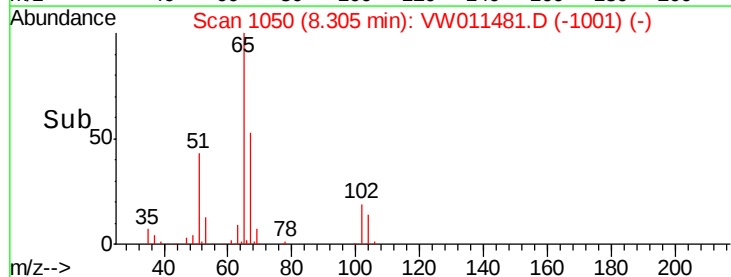
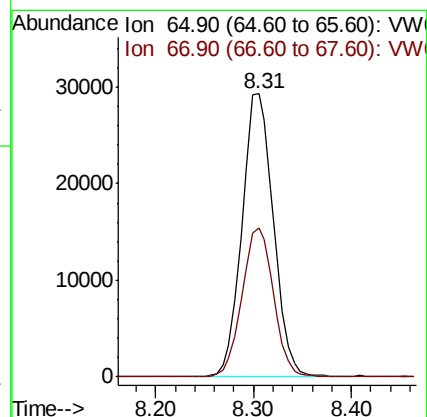
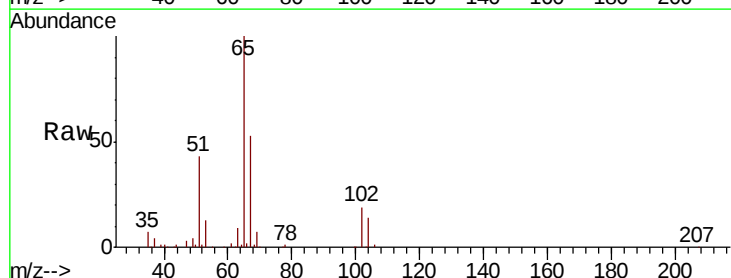
Acq: 24 Jul 2019 17:59

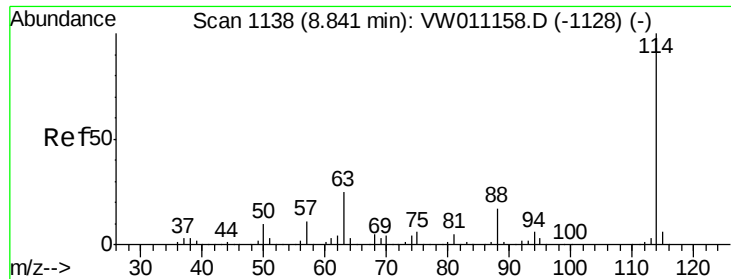
Tgt Ion: 65 Resp: 65348

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.4

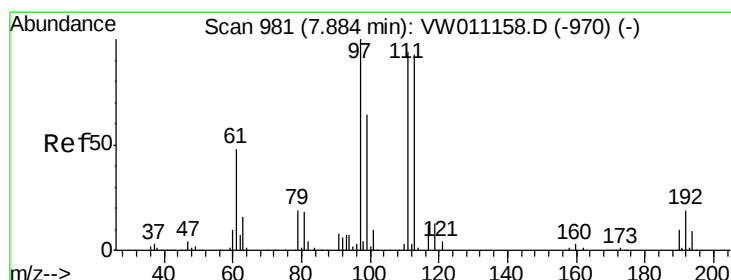
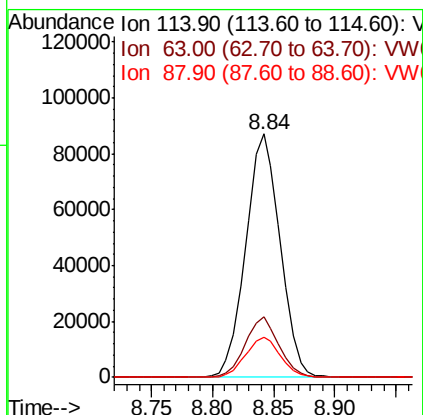
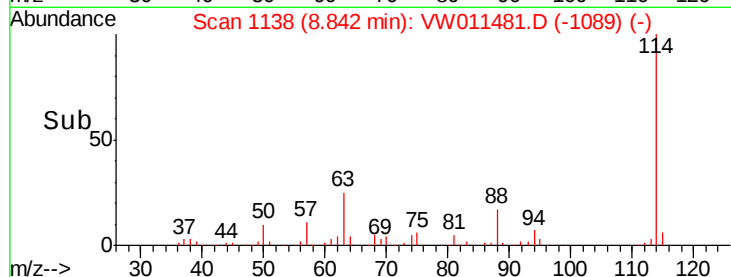
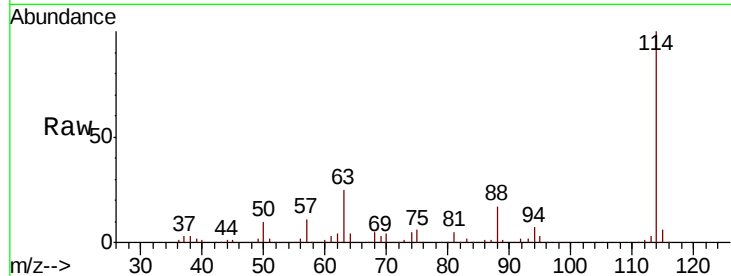




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW011481.D
Acq: 24 Jul 2019 17:59

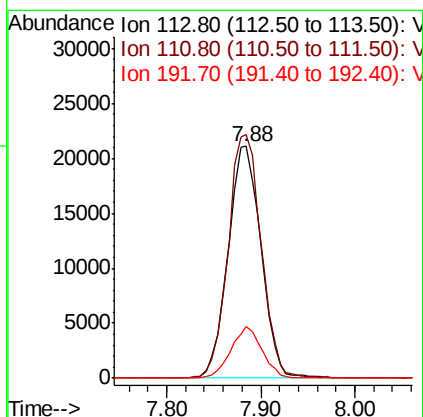
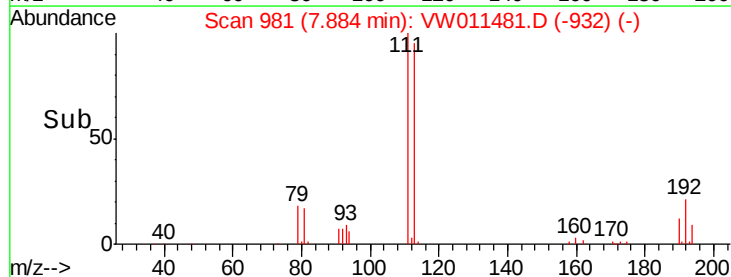
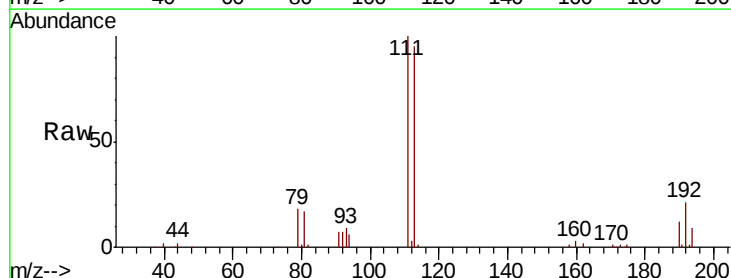
Instrument :
MSVOA_W
ClientSampled :

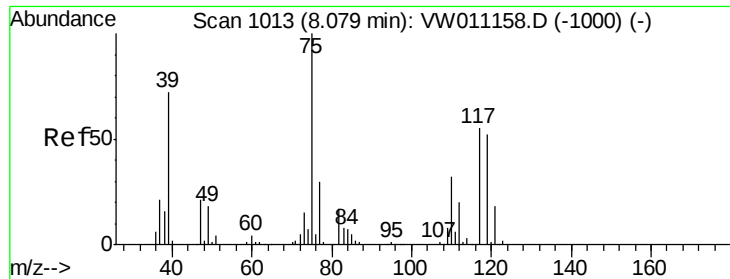
Tot Ion:114 Resp: 170363
Ion Ratio Lower Upper
114 100
63 24.9 0.0 50.8
88 16.5 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.490 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW011481.D
Acq: 24 Jul 2019 17:59

Tgt Ion:113 Resp: 51270
Ion Ratio Lower Upper
113 100
111 105.2 82.4 123.6
192 20.8 15.8 23.8

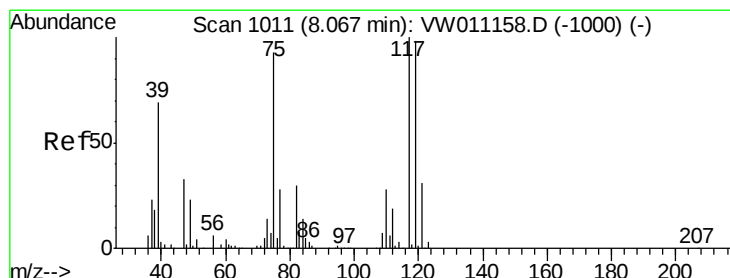
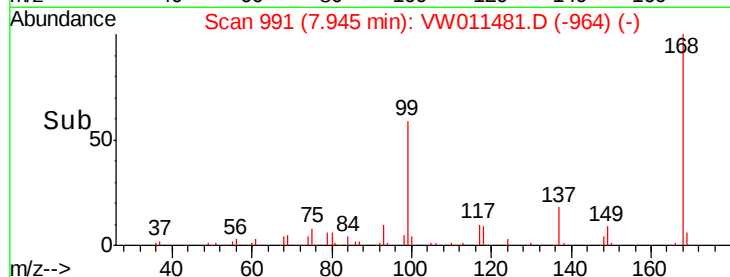
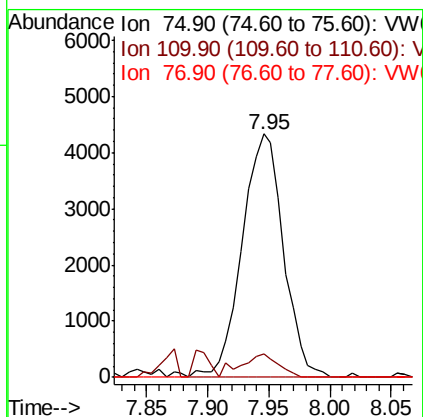
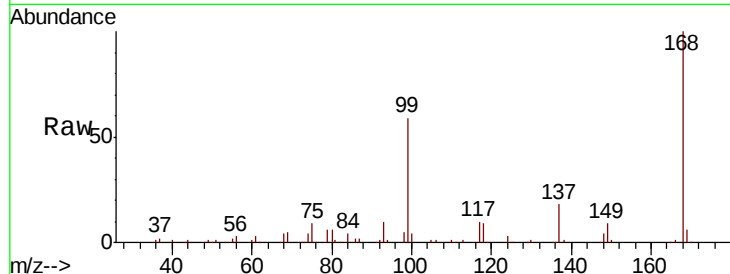




#36
 1,1-Dichloropropene
 Concen: 5.599 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011481.D
 Acq: 24 Jul 2019 17:59

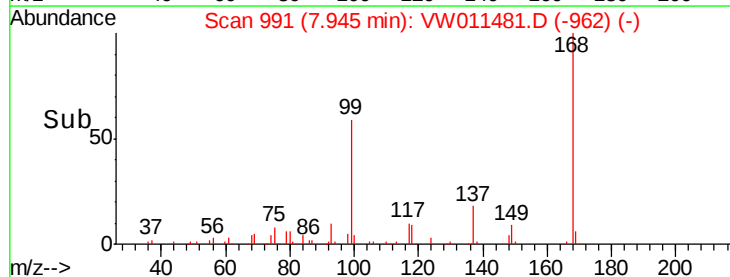
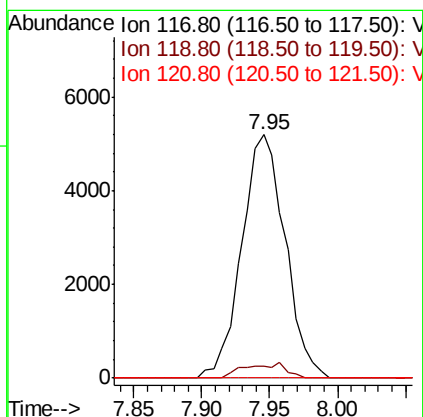
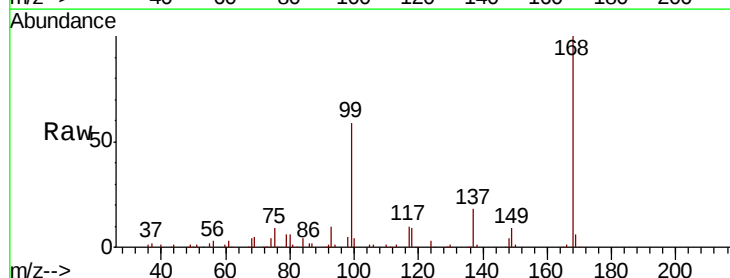
Instrument :
 MSVOA_W
 ClientSampleId :

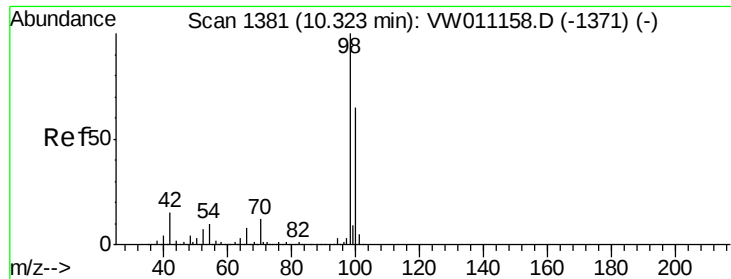
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.9	47.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 7.525 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011481.D
 Acq: 24 Jul 2019 17:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	78.1	117.1#
121	0.0	25.1	37.7#

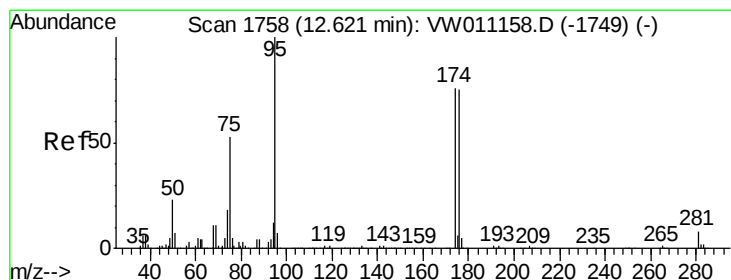
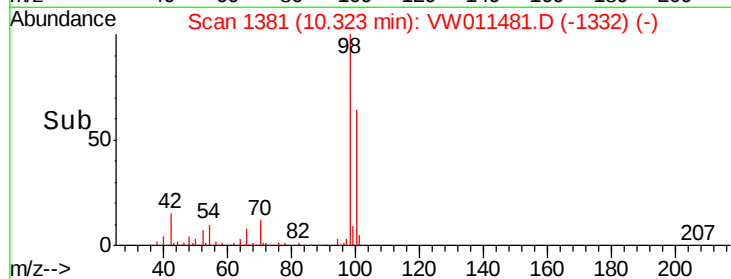
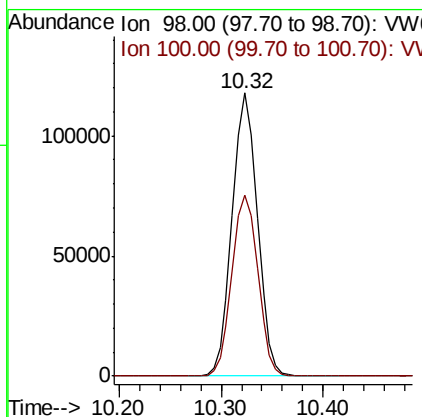
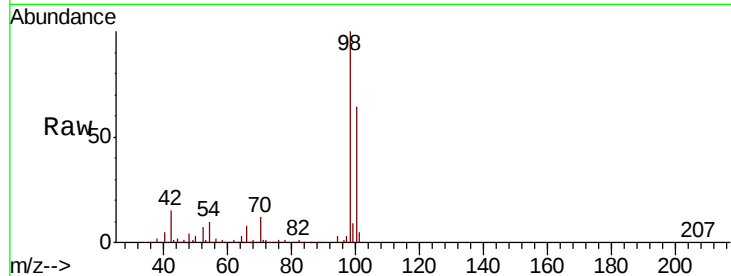




#50
Toluene-d8
Concen: 49.385 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011481.D
Acq: 24 Jul 2019 17:59

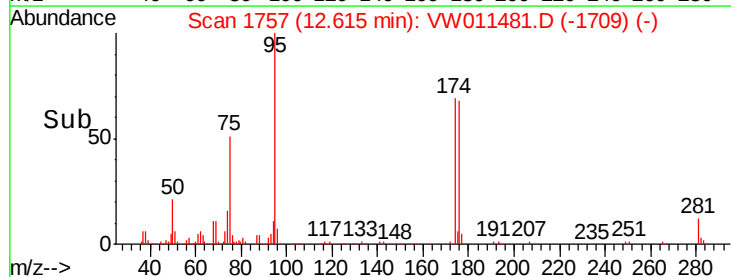
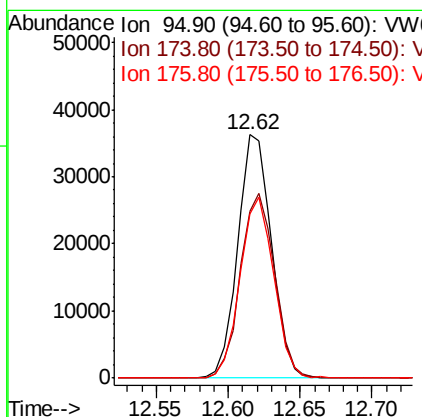
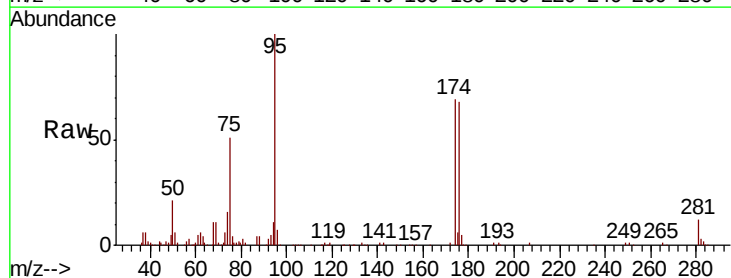
Instrument :
MSVOA_W
ClientSampled :

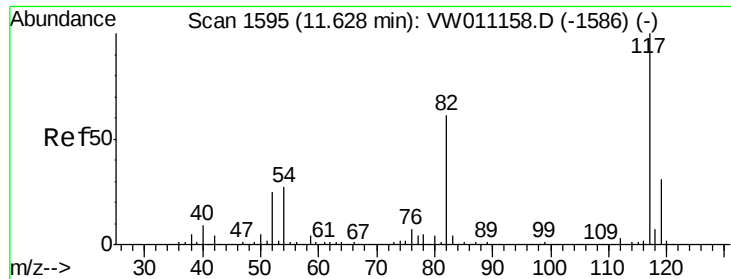
Tot Ion: 98 Resp: 202702
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 39.148 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011481.D
Acq: 24 Jul 2019 17:59

Tgt Ion: 95 Resp: 58897
Ion Ratio Lower Upper
95 100
174 77.3 0.0 147.6
176 74.1 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: VW011481.D

Acq: 24 Jul 2019 17:59

Instrument :

MSVOA_W

ClientSampled :

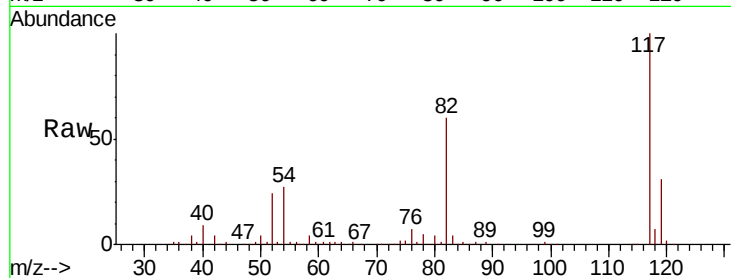
Tot Ion:117 Resp: 134960

Ion Ratio Lower Upper

117 100

82 59.7 48.9 73.3

119 31.4 25.0 37.6

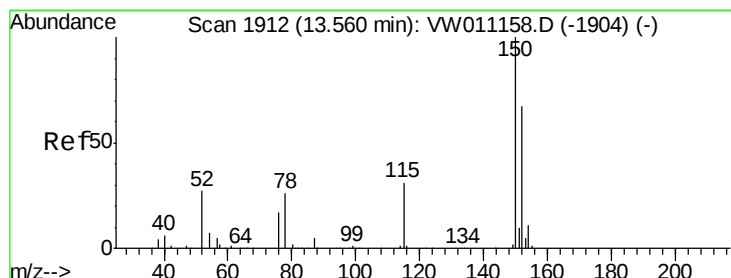
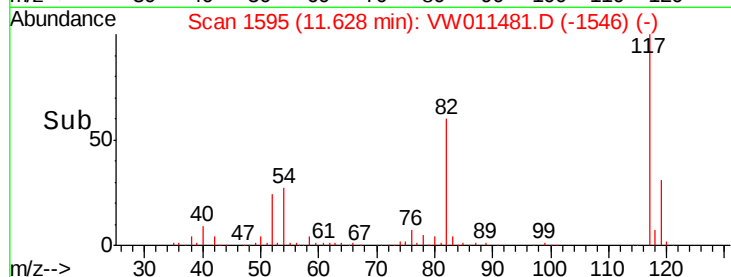
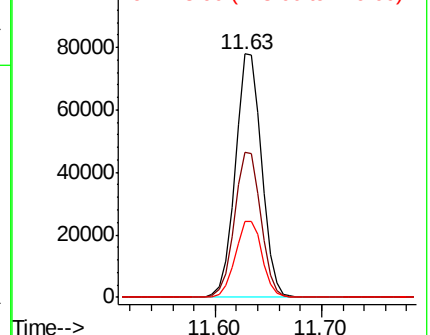


Abundance

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: VW011481.D

Acq: 24 Jul 2019 17:59

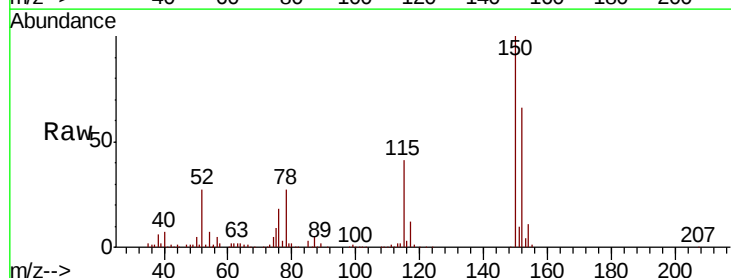
Tgt Ion:152 Resp: 46726

Ion Ratio Lower Upper

152 100

115 60.1 30.1 90.3

150 152.9 0.0 346.0

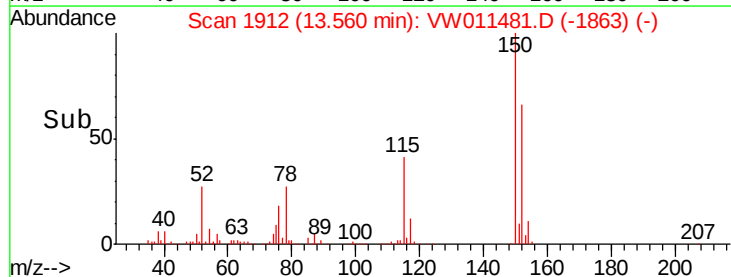
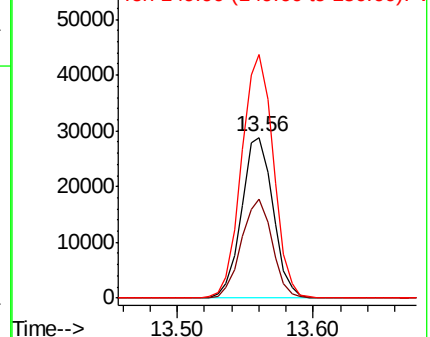


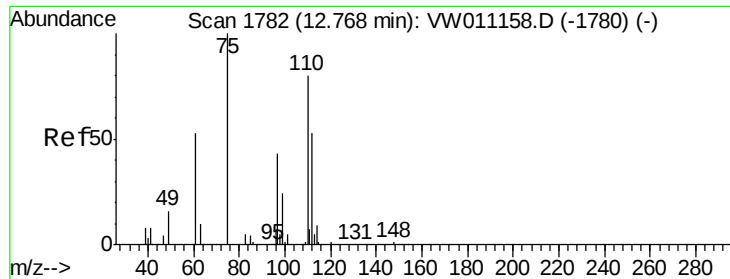
Abundance

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



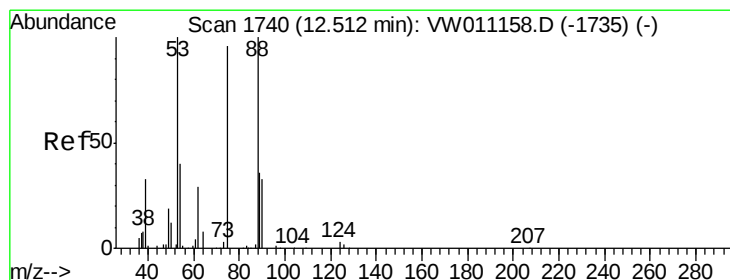
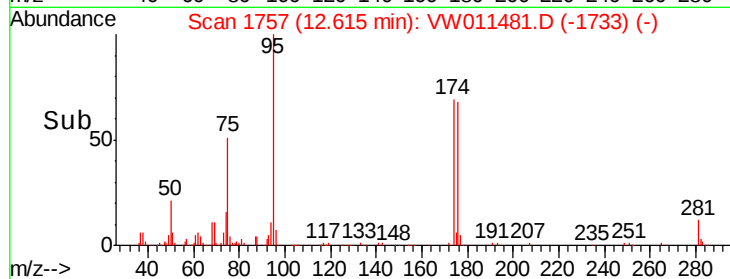
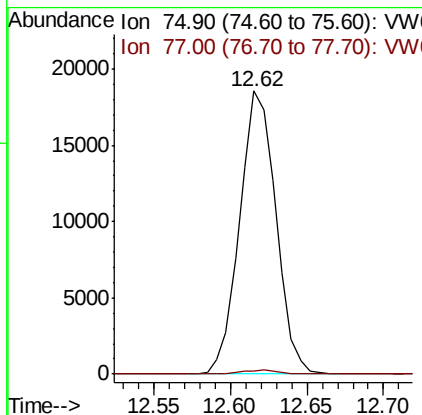
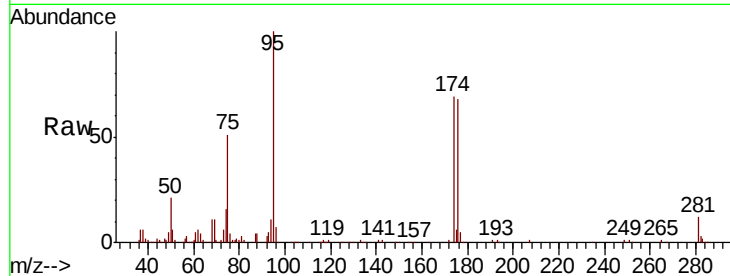


#76

1,2,3-Trichloropropane
Concen: 56.745 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW011481.D
Acq: 24 Jul 2019 17:59

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 30641
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 128.346 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011481.D
Acq: 24 Jul 2019 17:59

Tgt Ion: 75 Resp: 30641
Ion Ratio Lower Upper
75 100
53 0.0 89.8 134.6#
89 0.0 34.3 51.5#

