

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010720\
 Data File : VW014544.D
 Acq On : 07 Jan 2020 13:49
 Operator : SY/VA
 Sample : K6476-05
 Misc : 8.36G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 08 05:47:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	652052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1032915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	780056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	244370	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	278248	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	7.88	113	288648	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	10.32	98	1109079	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	
62) 4-Bromofluorobenzene	12.62	95	281860	33.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.46%	

Target Compounds

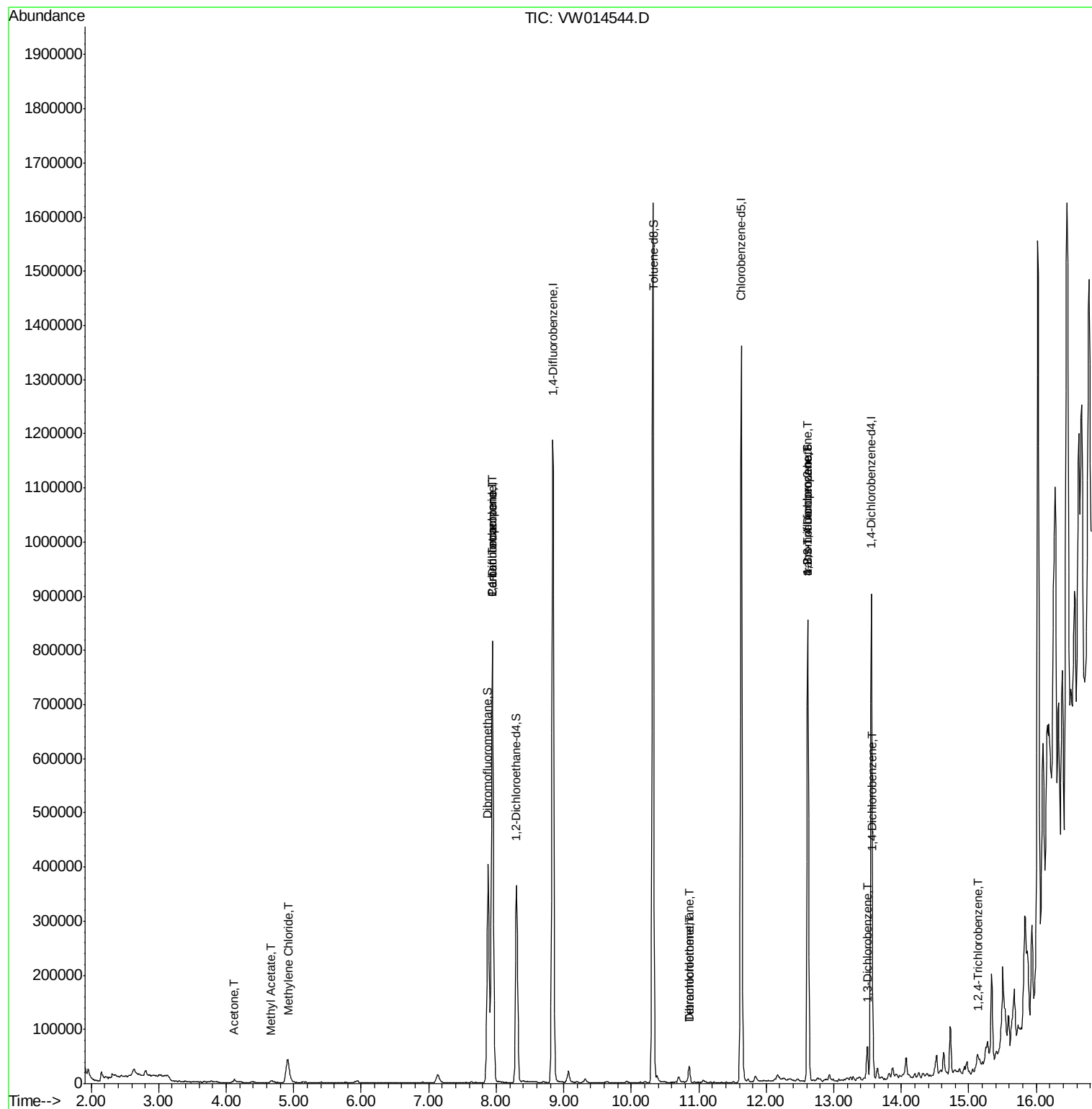
						Qvalue
11) Tert butyl alcohol	5.18	59	838	Below Cal	#	74
16) Acetone	4.12	43	11750	7.299	ug/l	91
18) Methyl Acetate	4.67	43	8929	2.297	ug/l	91
20) Methylene Chloride	4.92	84	37870	1.427	ug/l	91
36) 1,1-Dichloropropene	7.94	75	47183	4.738	ug/l #	49
38) Carbon Tetrachloride	7.95	117	58796	6.806	ug/l #	16
60) Dibromochloromethane	10.86	129	6360	1.131	ug/l #	11
64) Tetrachloroethene	10.87	164	6746	1.195	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	133112	57.612	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	133112	128.362	ug/l #	14
87) 1,3-Dichlorobenzene	13.50	146	25706	3.174	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	30538	3.820	ug/l	89
93) 1,2,4-Trichlorobenzene	15.14	180	5575	1.160	ug/l	94

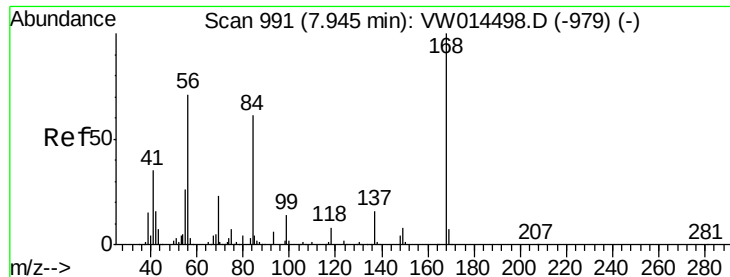
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW014544.D

Acq: 07 Jan 2020 13:49

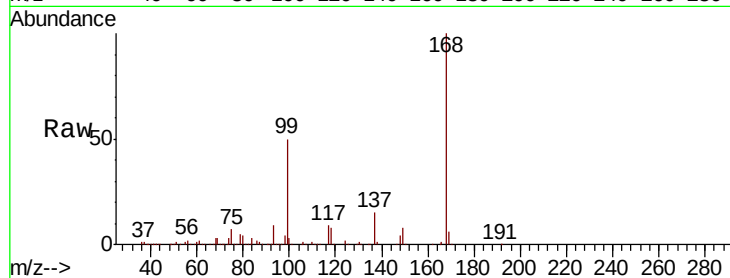
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 652052

Ion Ratio Lower Upper

168 100

99 50.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

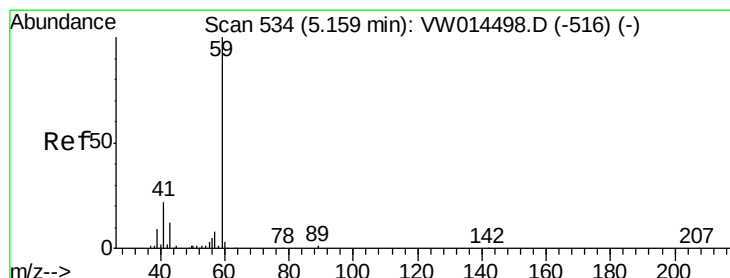
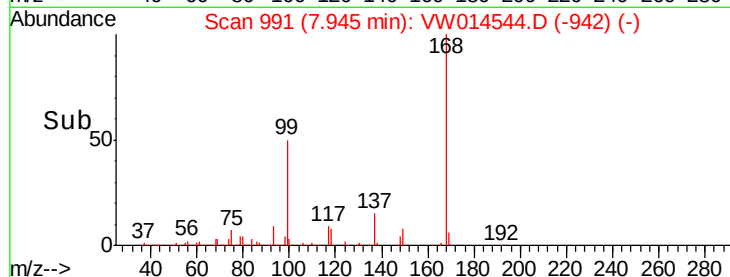
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. 0.02 min

Lab File: VW014544.D

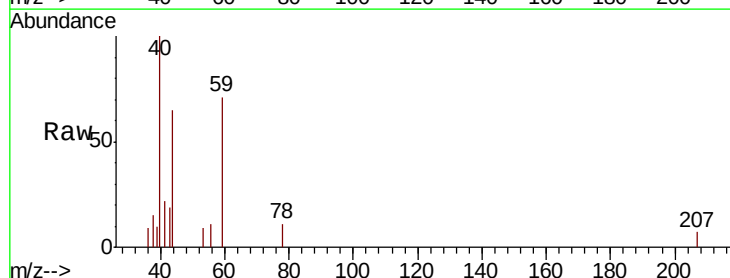
Acq: 07 Jan 2020 13:49

Tgt Ion: 59 Resp: 838

Ion Ratio Lower Upper

59 100

57 19.3 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

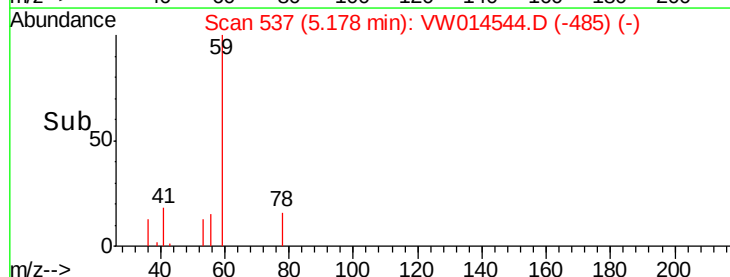
600

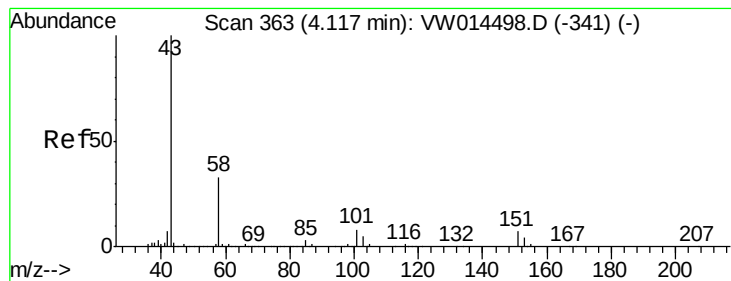
400

200

0

Time--> 5.15 5.20 5.25





#16

Acetone

Concen: 7.299 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014544.D

Acq: 07 Jan 2020 13:49

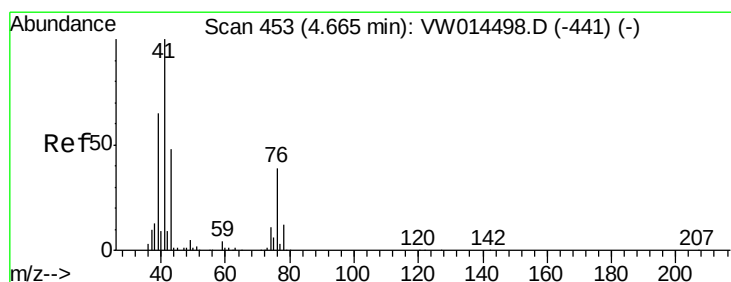
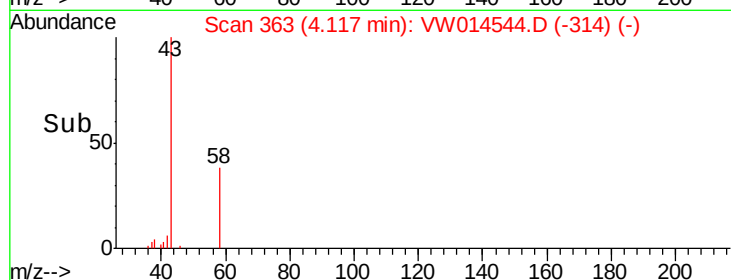
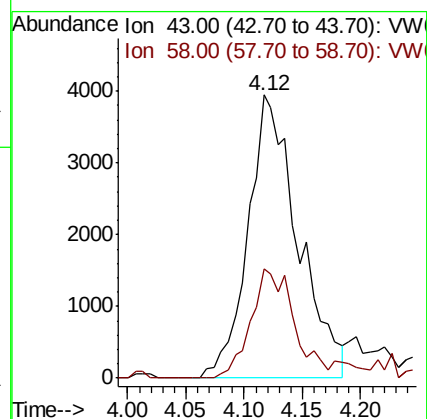
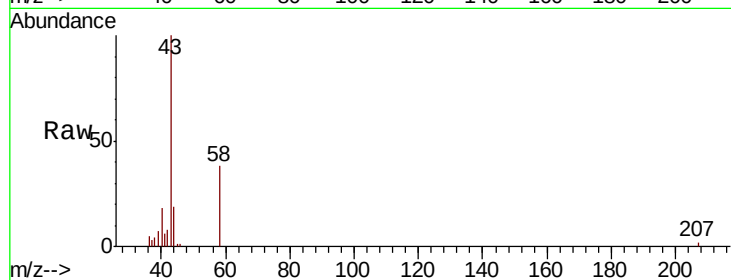
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 11750

Ion Ratio Lower Upper

43 100

58 38.5 26.6 39.8



#18

Methyl Acetate

Concen: 2.297 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014544.D

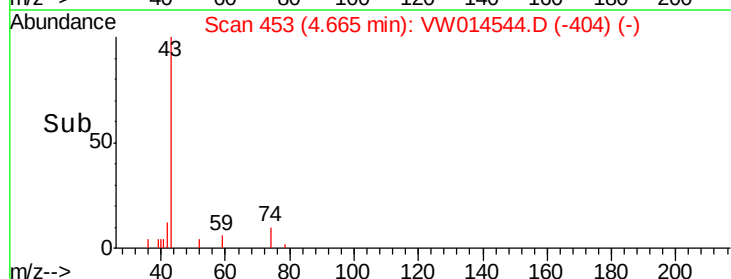
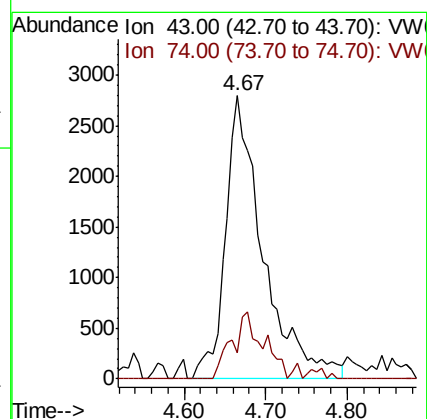
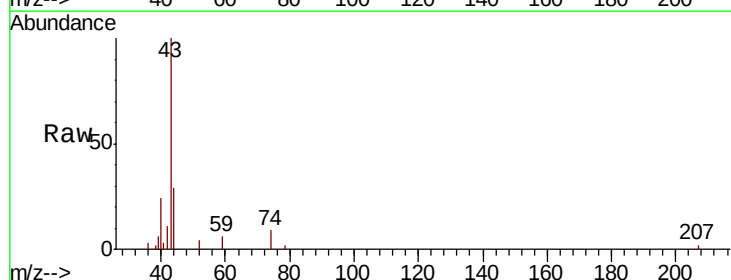
Acq: 07 Jan 2020 13:49

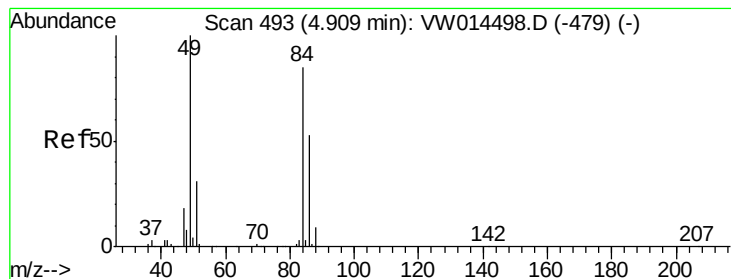
Tgt Ion: 43 Resp: 8929

Ion Ratio Lower Upper

43 100

74 19.8 19.3 28.9





#20

Methylene Chloride

Concen: 1.427 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW014544.D

Acq: 07 Jan 2020 13:49

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 37870

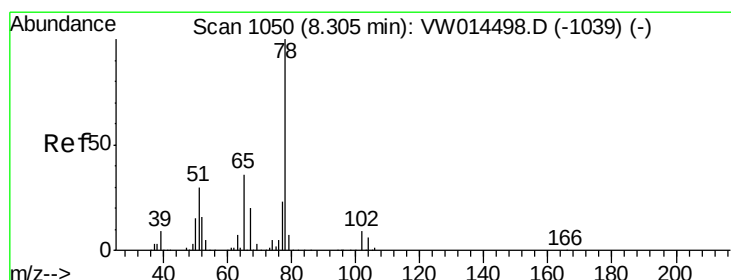
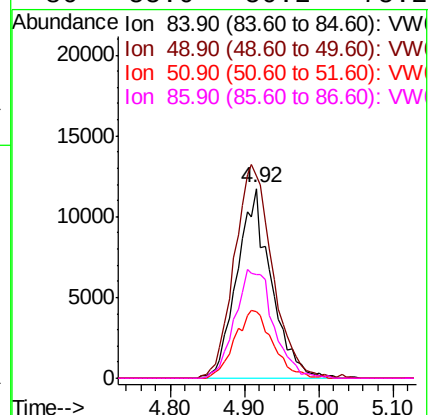
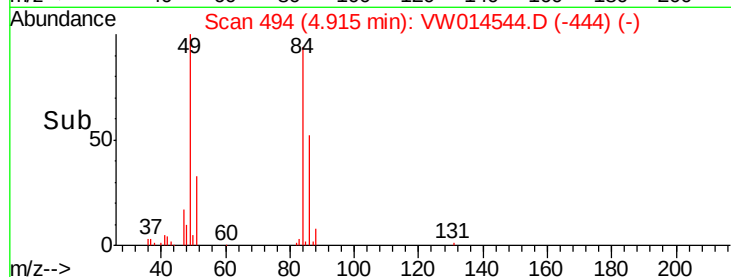
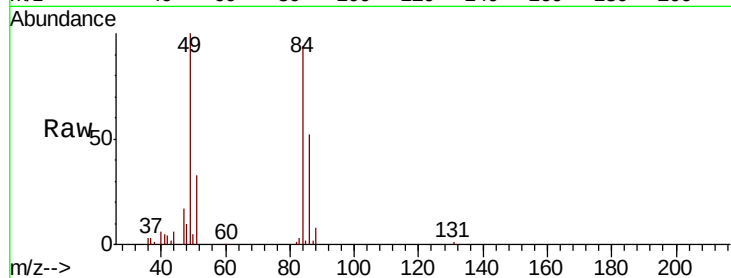
Ion Ratio Lower Upper

84 100

49 106.5 94.4 141.6

51 35.1 29.5 44.3

86 55.0 50.2 75.2



#33

1,2-Dichloroethane-d4

Concen: 48.807 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014544.D

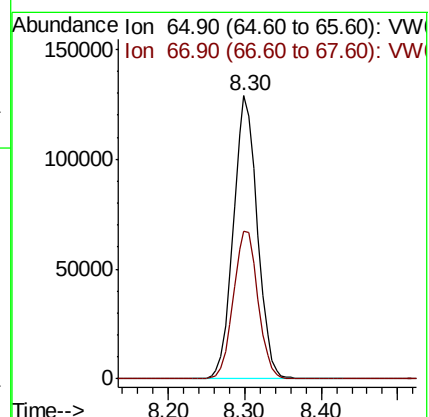
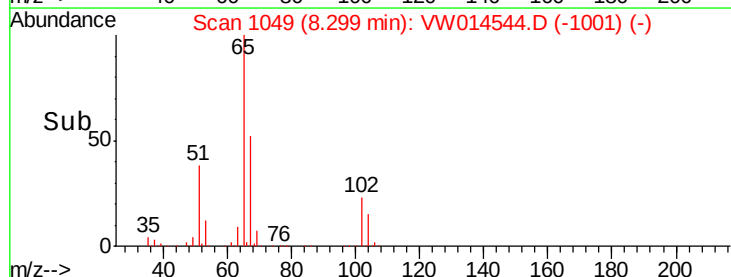
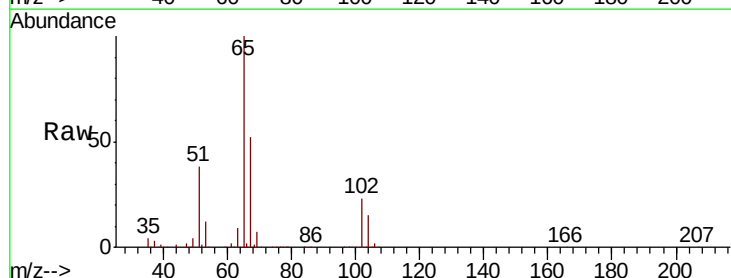
Acq: 07 Jan 2020 13:49

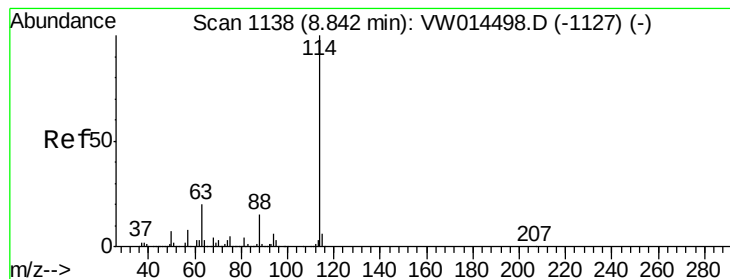
Tgt Ion: 65 Resp: 278248

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW014544.D

Acq: 07 Jan 2020 13:49

Instrument :

MSVOA_W

ClientSampleId :

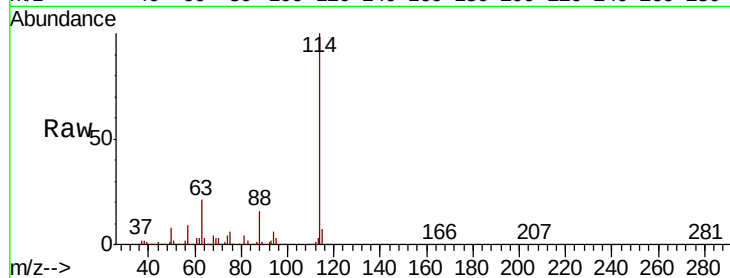
Tot Ion:114 Resp: 1032915

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.4

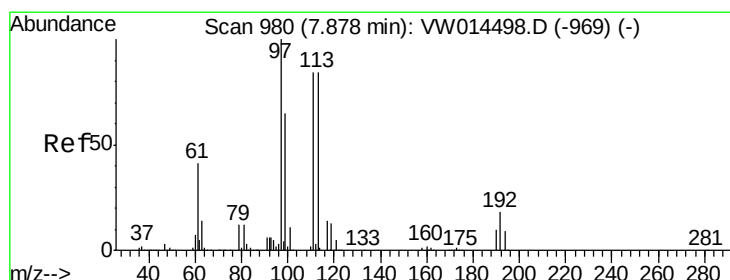
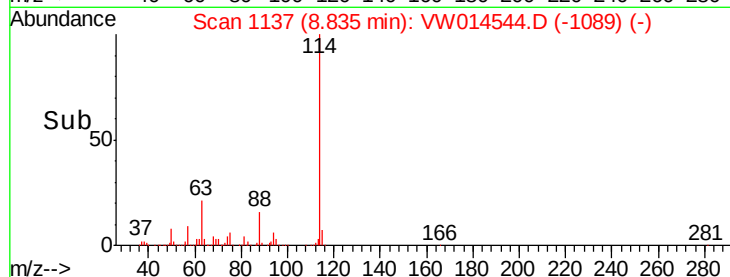
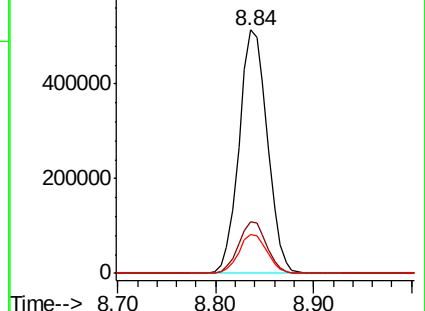
88 16.1 0.0 30.6



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: 48.896 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW014544.D

Acq: 07 Jan 2020 13:49

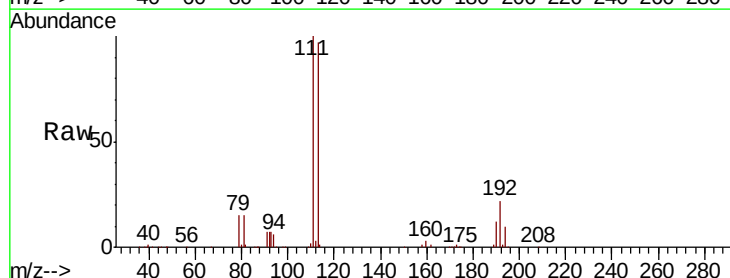
Tgt Ion:113 Resp: 288648

Ion Ratio Lower Upper

113 100

111 103.9 81.4 122.2

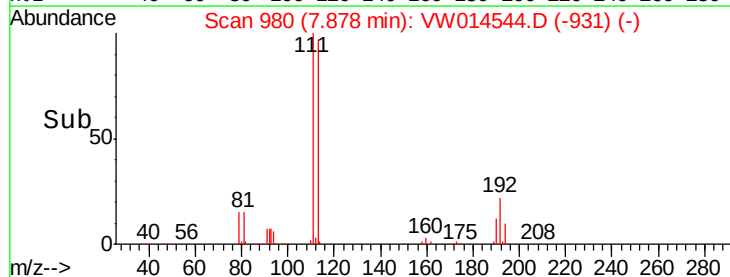
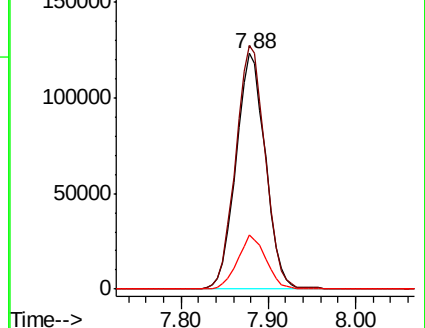
192 21.9 17.8 26.8

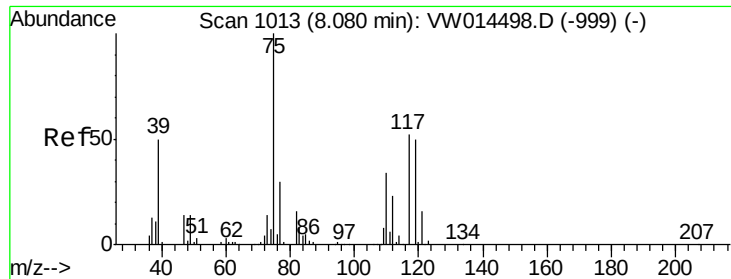


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

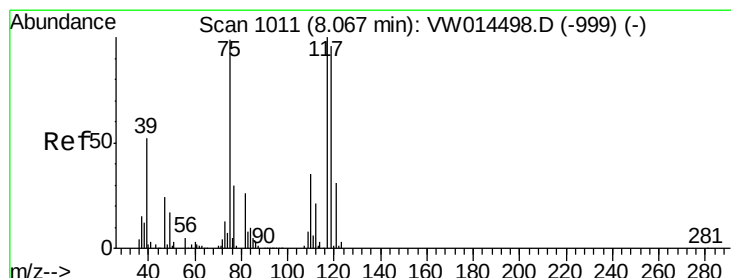
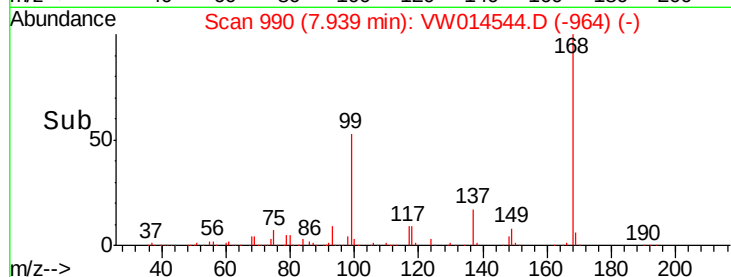
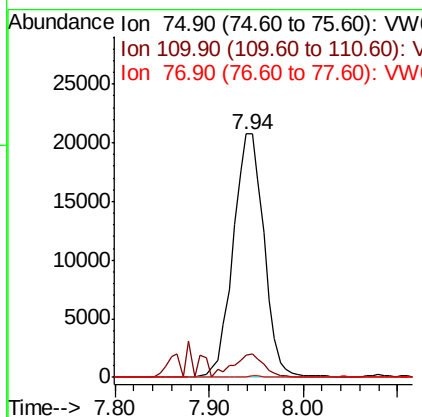
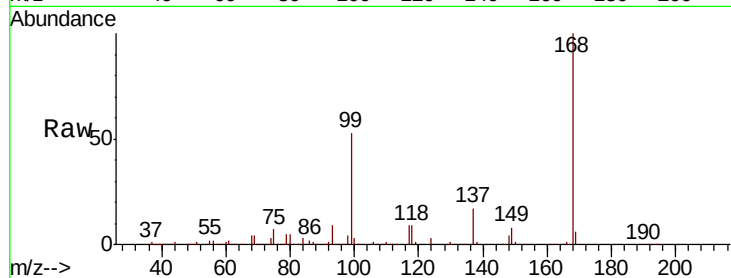




#36
 1,1-Dichloropropene
 Concen: 4.738 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014544.D
 Acq: 07 Jan 2020 13:49

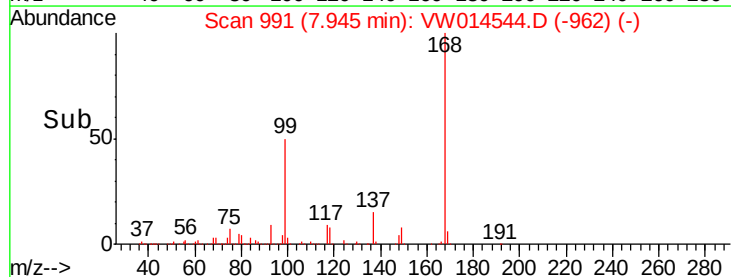
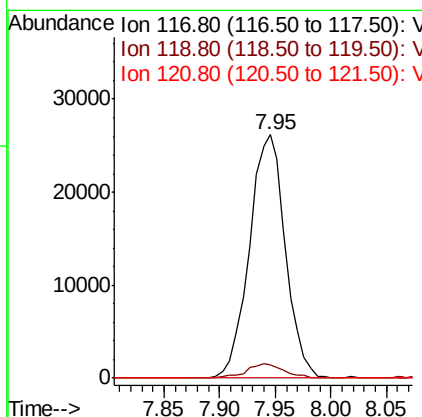
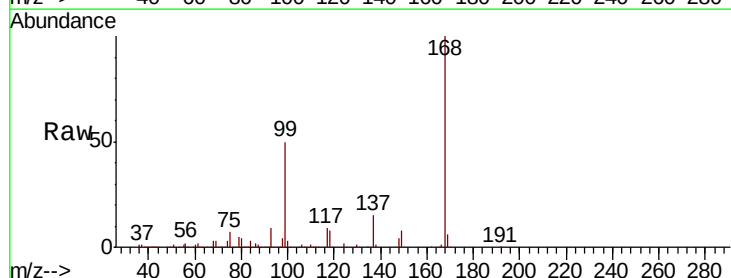
Instrument :
 MSVOA_W
 ClientSampled :

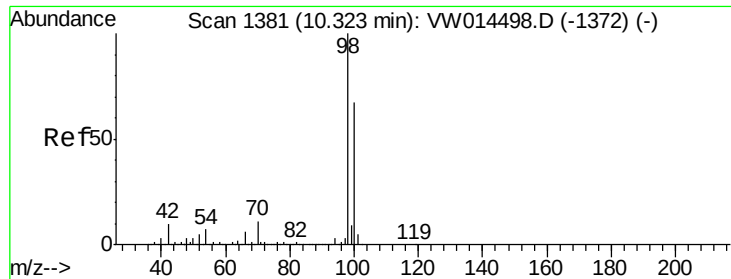
Tot Ion	75	Resp	47183
Ion Ratio	Lower	Upper	
75	100		
110	8.7	17.8	53.5#
77	0.2	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.806 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW014544.D
 Acq: 07 Jan 2020 13:49

Tgt Ion	117	Resp	58796
Ion Ratio	Lower	Upper	
117	100		
119	5.4	77.0	115.6#
121	0.0	24.6	36.8#

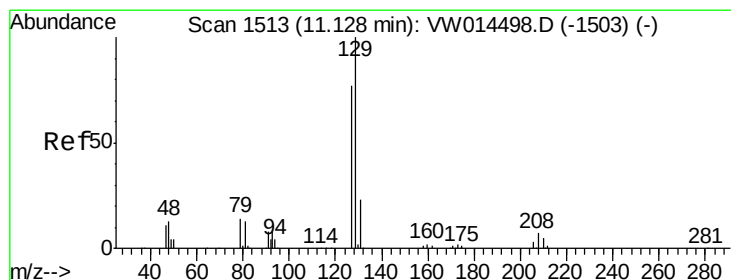
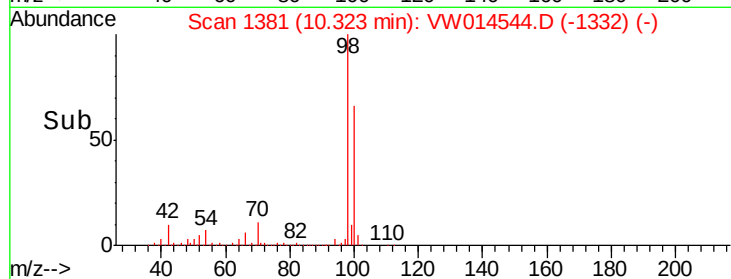
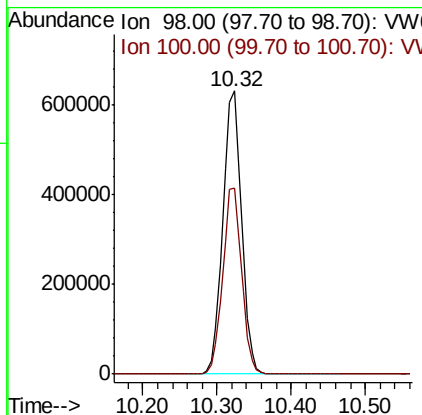
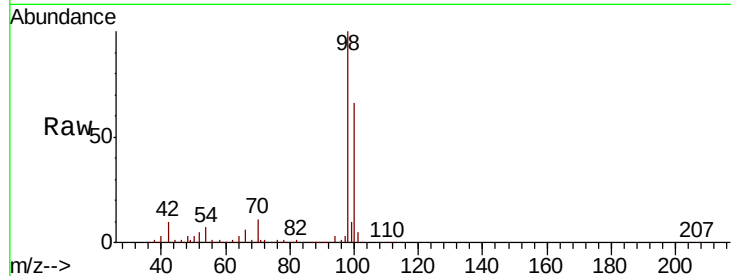




#50
Toluene-d8
Concen: 45.019 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014544.D
Acq: 07 Jan 2020 13:49

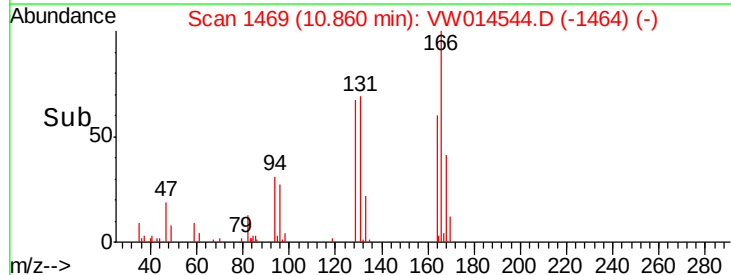
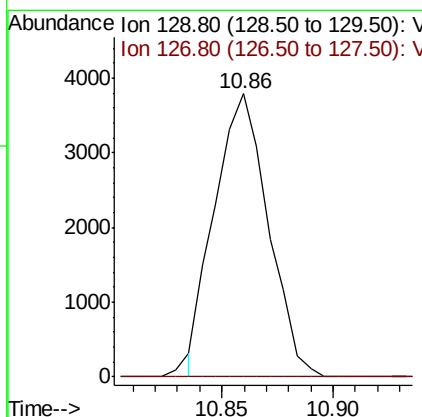
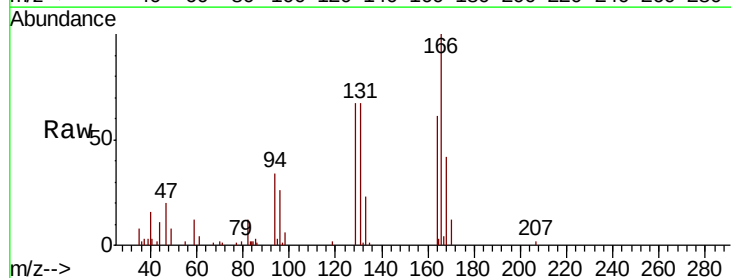
Instrument :
MSVOA_W
ClientSampleId :

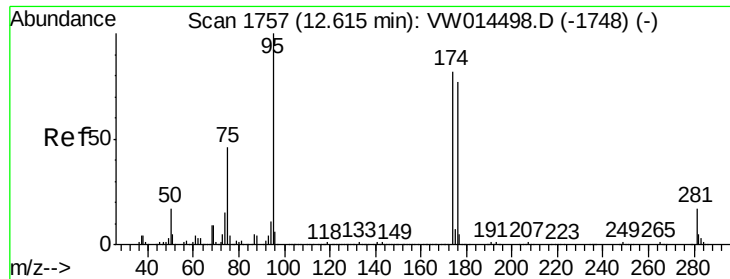
Tot Ion: 98 Resp: 1109079
Ion Ratio Lower Upper
98 100
100 66.0 53.8 80.6



#60
Dibromochloromethane
Concen: 1.131 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.27 min
Lab File: VW014544.D
Acq: 07 Jan 2020 13:49

Tgt Ion: 129 Resp: 6360
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.5#

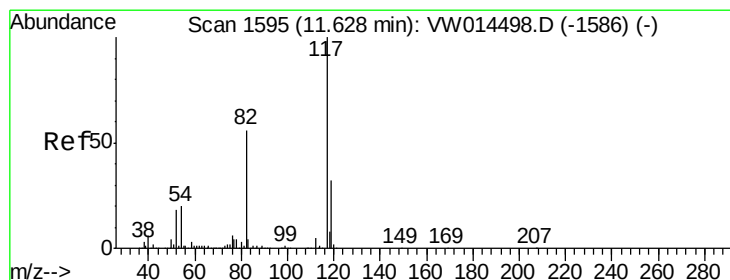
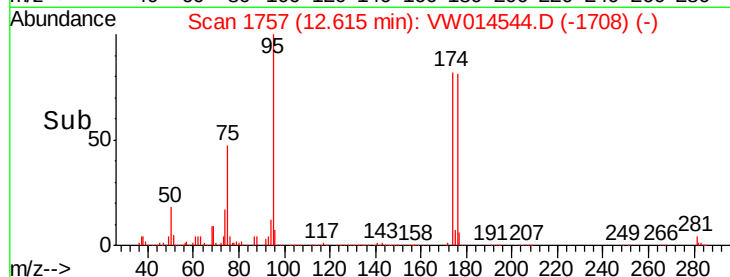
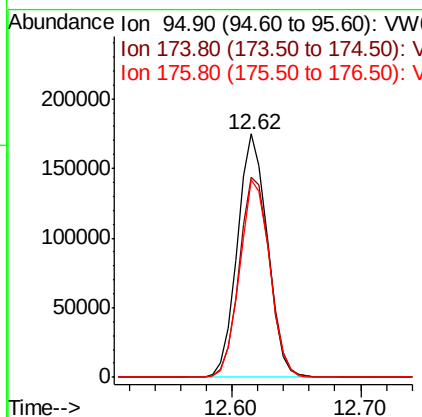
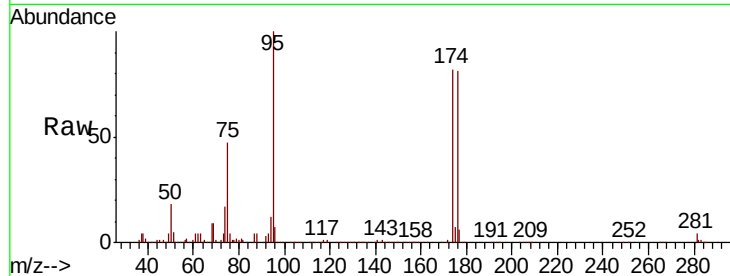




#62
4-Bromofluorobenzene
Concen: 33.731 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW014544.D
Acq: 07 Jan 2020 13:49

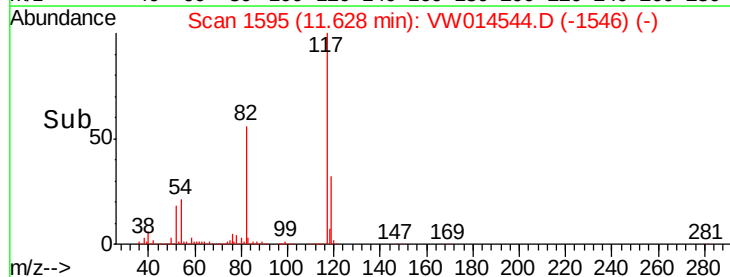
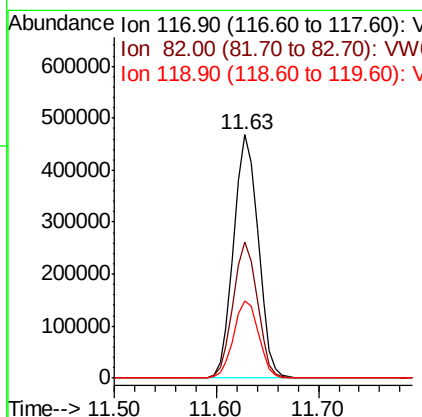
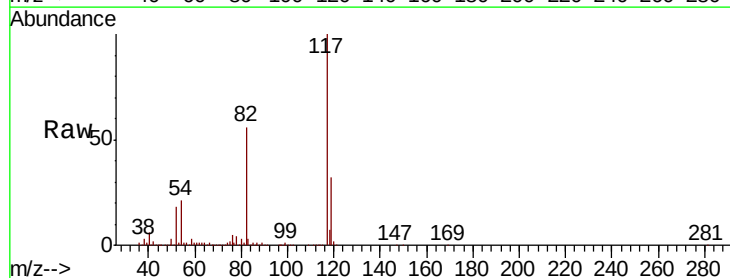
Instrument :
MSVOA_W
ClientSampleId :

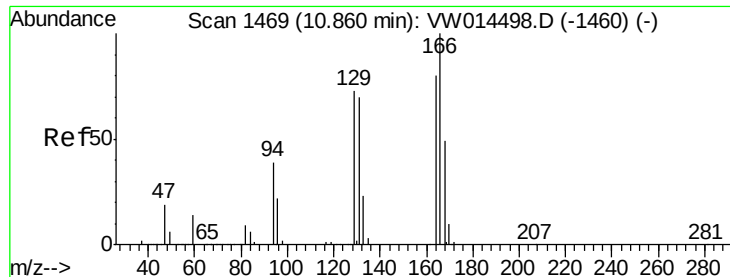
Tot Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	168.6
176	81.2	0.0	162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014544.D
Acq: 07 Jan 2020 13:49

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.6	67.0
119	31.8	25.7	38.5

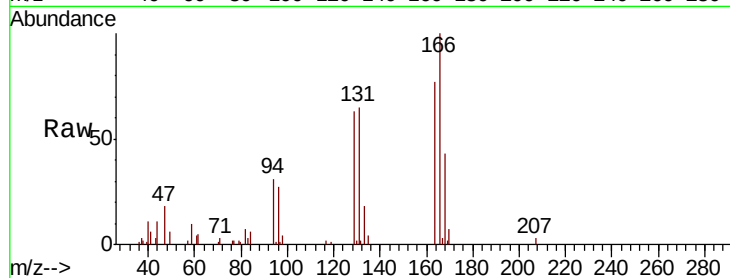




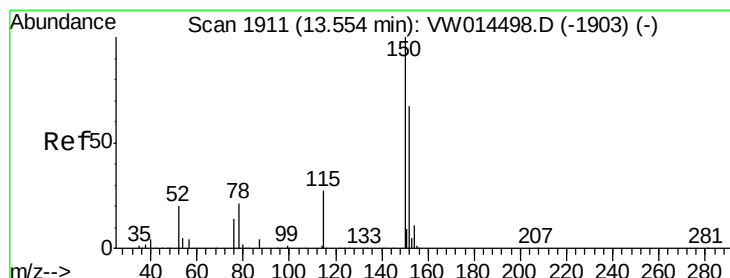
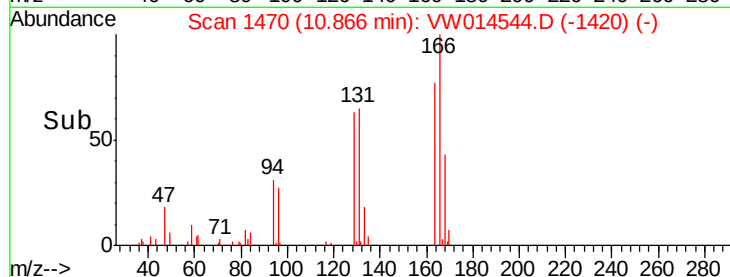
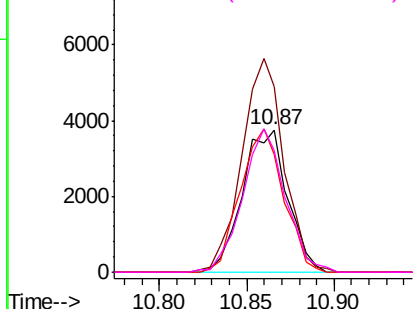
#64
Tetrachloroethene
Concen: 1.195 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW014544.D
Acq: 07 Jan 2020 13:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:164 Resp: 6746
Ion Ratio Lower Upper
164 100
166 130.7 99.8 149.6
129 82.4 72.4 108.6
131 85.1 70.1 105.1

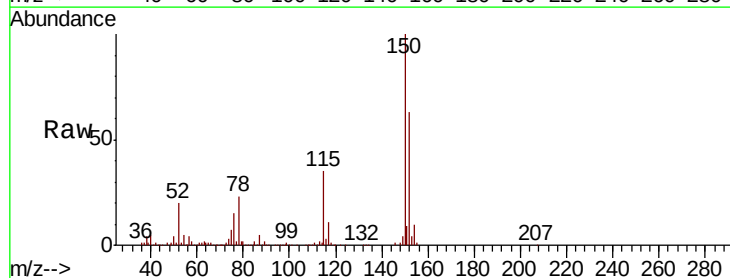


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

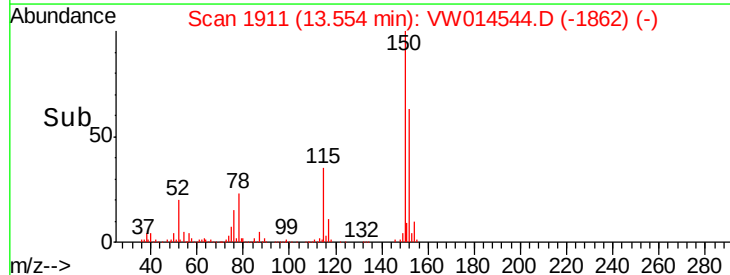
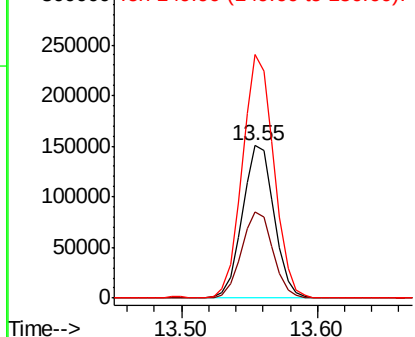


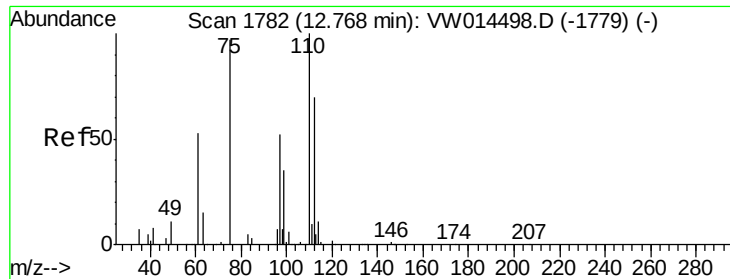
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014544.D
Acq: 07 Jan 2020 13:49

Tgt Ion:152 Resp: 244370
Ion Ratio Lower Upper
152 100
115 56.5 27.7 83.1
150 158.6 0.0 343.4



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: 57.612 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014544.D

Acq: 07 Jan 2020 13:49

Instrument :

MSVOA_W

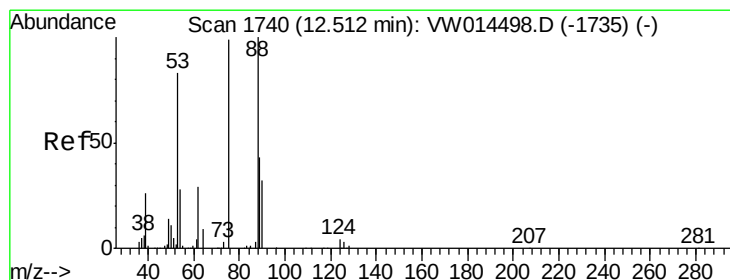
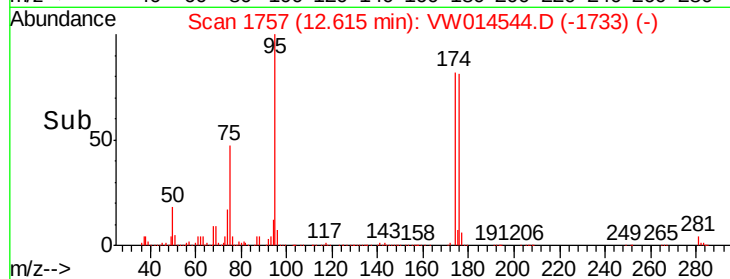
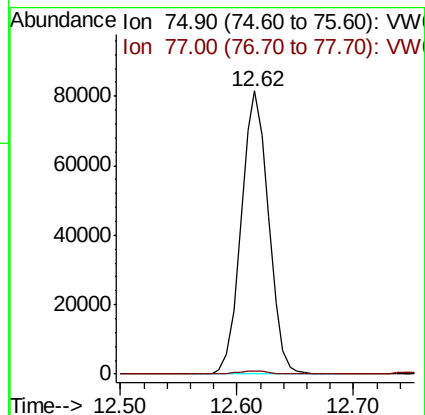
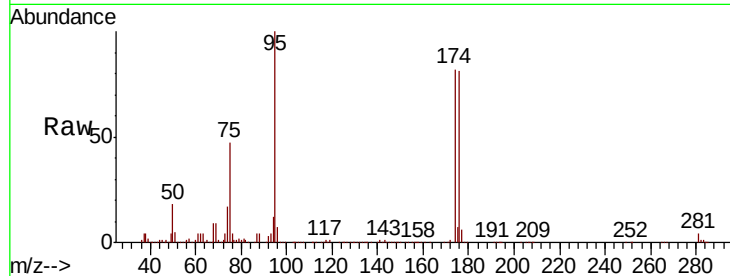
ClientSampleId :

Tot Ion: 75 Resp: 133112

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.362 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014544.D

Acq: 07 Jan 2020 13:49

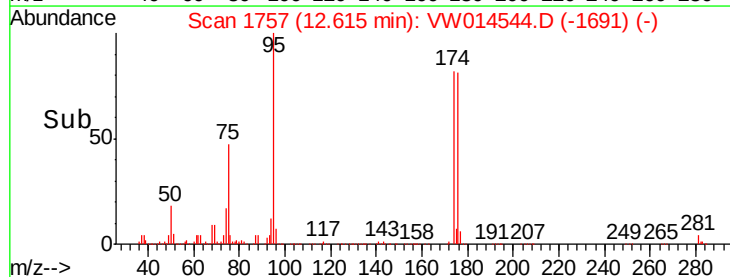
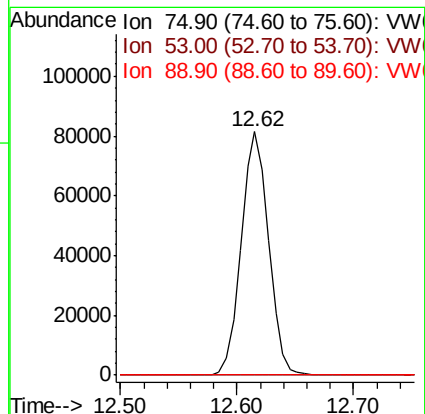
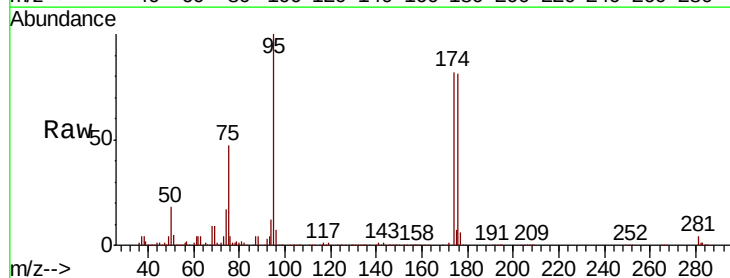
Tgt Ion: 75 Resp: 133112

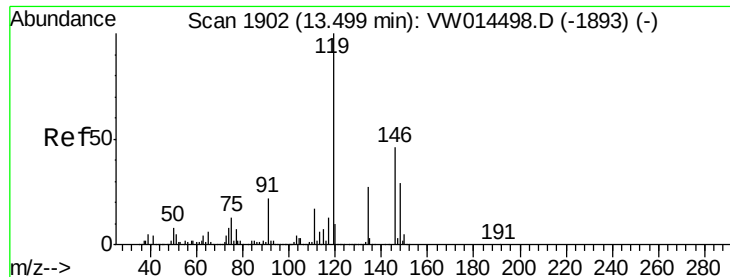
Ion Ratio Lower Upper

75 100

53 0.3 70.9 106.3#

89 0.1 35.8 53.8#

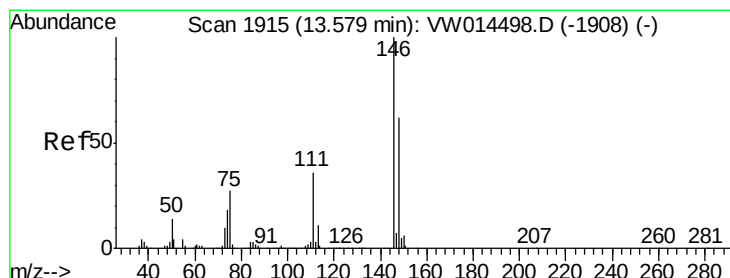
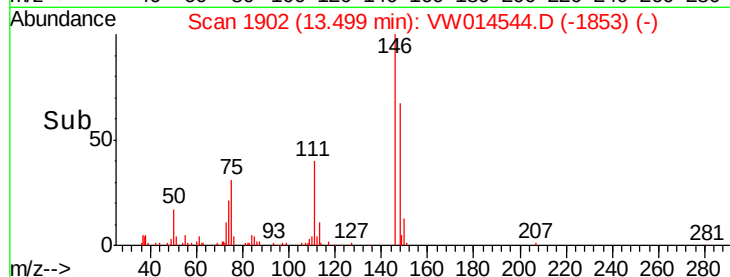
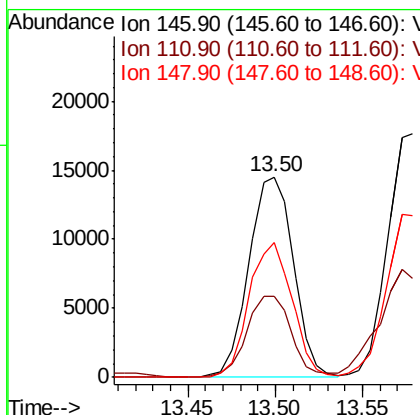
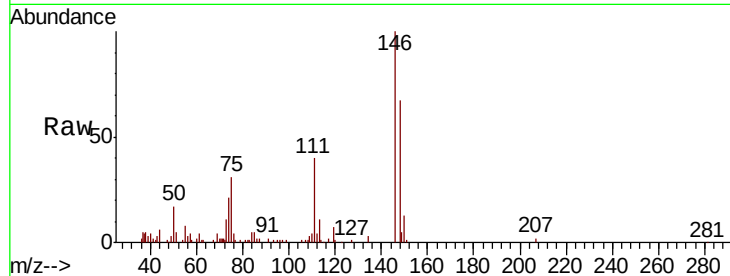




#87
 1,3-Dichlorobenzene
 Concen: 3.174 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014544.D
 Acq: 07 Jan 2020 13:49

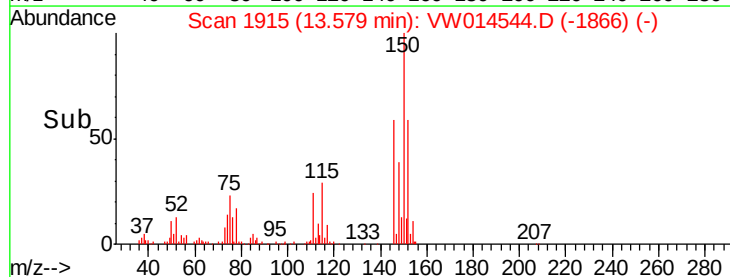
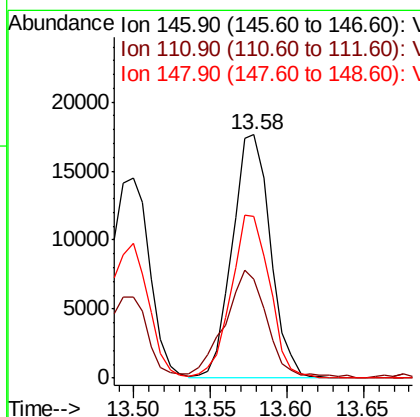
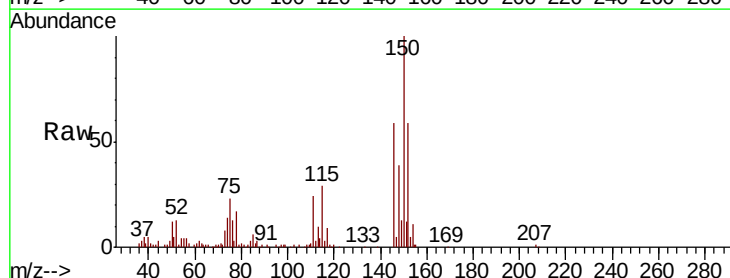
Instrument :
 MSVOA_W
 ClientSampleId :

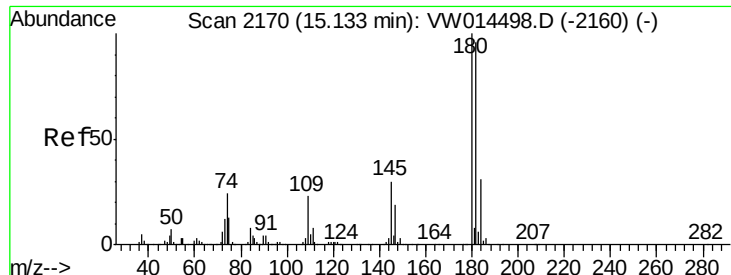
Tot Ion:146 Resp: 25706
 Ion Ratio Lower Upper
 146 100
 111 41.1 19.3 57.9
 148 65.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 3.820 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014544.D
 Acq: 07 Jan 2020 13:49

Tgt Ion:146 Resp: 30538
 Ion Ratio Lower Upper
 146 100
 111 49.8 18.7 56.1
 148 67.5 31.7 95.1

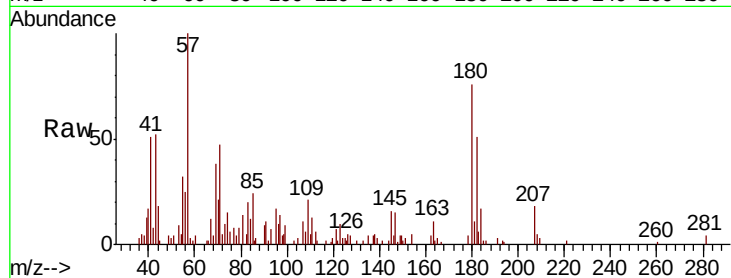




#93
 1,2,4-Trichlorobenzene
 Concen: 1.160 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW014544.D
 Acq: 07 Jan 2020 13:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	141.8
145	39.1	14.7	44.1



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

