

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW012997.D
 Acq On : 14 Sep 2019 16:47
 Operator : SY/VA
 Sample : K4852-05
 Misc : 7.07G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:53:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	280183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	427813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	368839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169657	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	153054	59.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.30%	
35) Dibromofluoromethane	7.88	113	124614	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
50) Toluene-d8	10.32	98	514948	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
62) 4-Bromofluorobenzene	12.62	95	172192	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	

Target Compounds

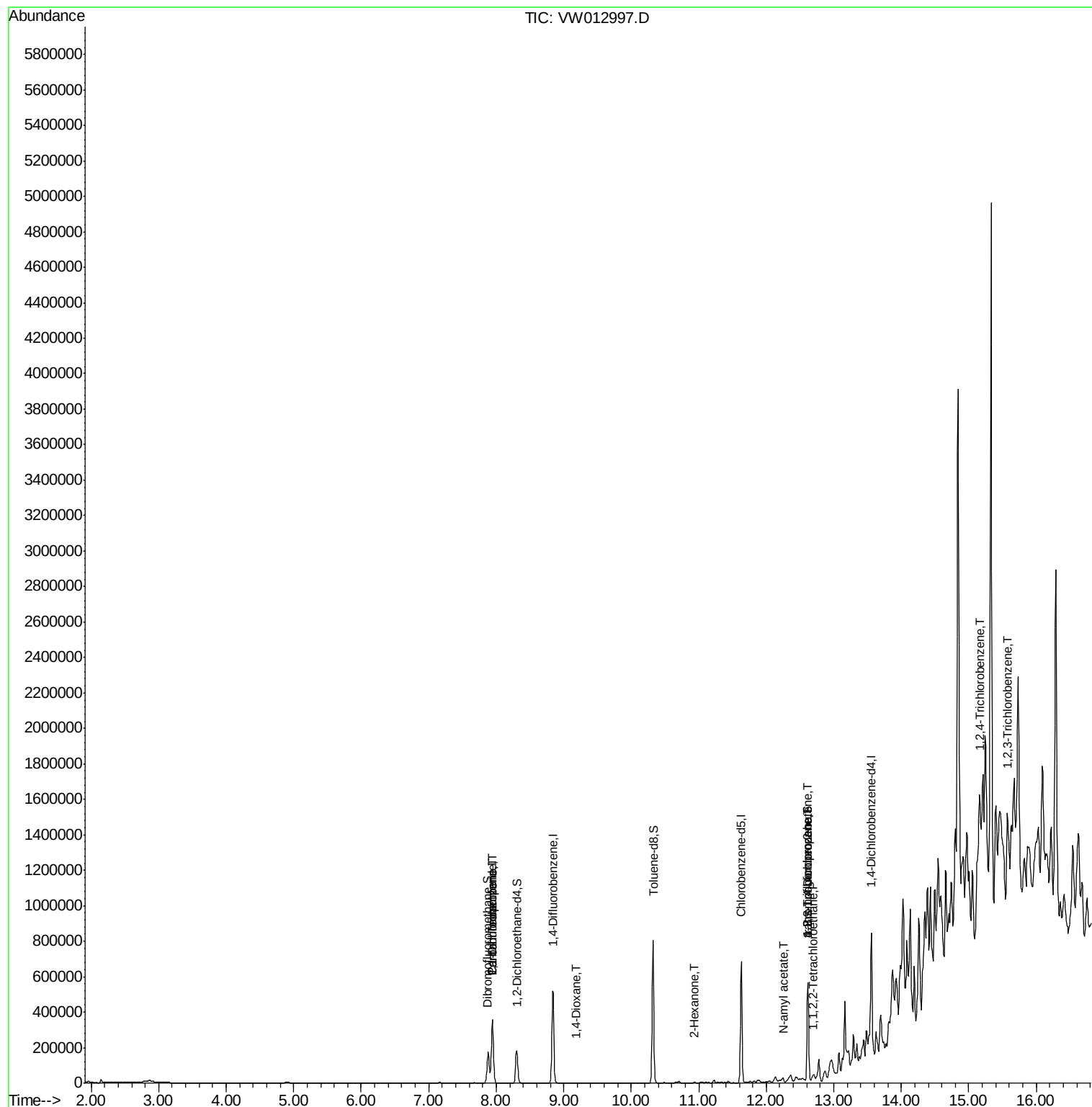
						Qvalue
2) Dichlorodifluoromethane	2.01	85	19	Below Cal	#	44
3) Chloromethane	2.20	50	320	Below Cal	#	41
11) Tert butyl alcohol	5.20	59	154	Below Cal	#	72
13) Acrolein	3.94	56	18	Below Cal	#	15
16) Acetone	4.14	43	796	Below Cal	#	82
20) Methylene Chloride	4.91	84	4362	Below Cal	#	84
26) 2,2-Dichloropropane	7.16	77	23	Below Cal	#	55
31) Cyclohexane	7.93	56	5621	Below Cal	#	29
36) 1,1-Dichloropropene	7.94	75	21100	6.172 ug/l	#	51
38) Carbon Tetrachloride	7.94	117	27175	7.757 ug/l	#	14
49) 1,4-Dioxane	9.18	88	40	1.965 ug/l	#	1
59) 2-Hexanone	10.93	43	1525	1.218 ug/l	#	29
74) N-amyl acetate	12.24	43	6447	2.229 ug/l	#	55
75) 1,1,2,2-Tetrachloroethane	12.69	83	2817	1.426 ug/l	#	32
76) 1,2,3-Trichloropropane	12.62	75	90084	60.619 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90084	137.514 ug/l	#	7
93) 1,2,4-Trichlorobenzene	15.16	180	7388	2.297 ug/l	#	15
96) 1,2,3-Trichlorobenzene	15.57	180	10164	3.575 ug/l	#	13

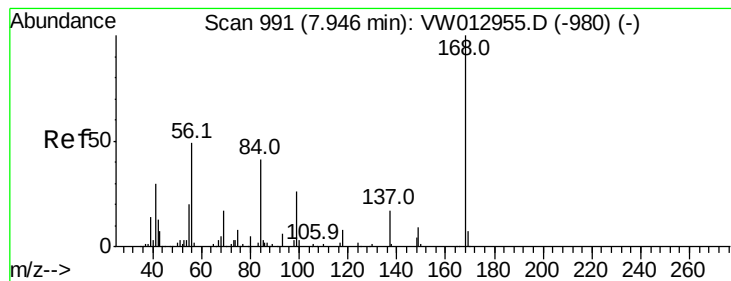
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 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: VW012997.D

Acq: 14 Sep 2019 16:47

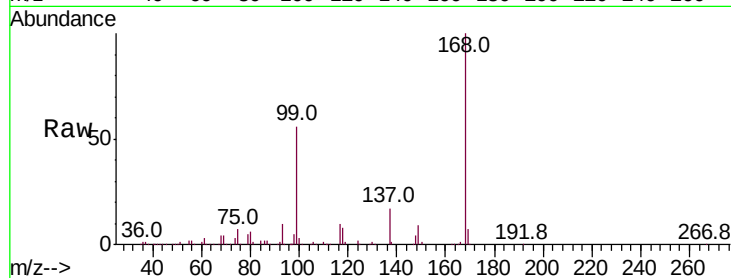
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 280183

Ion Ratio Lower Upper

168 100

99 56.4 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

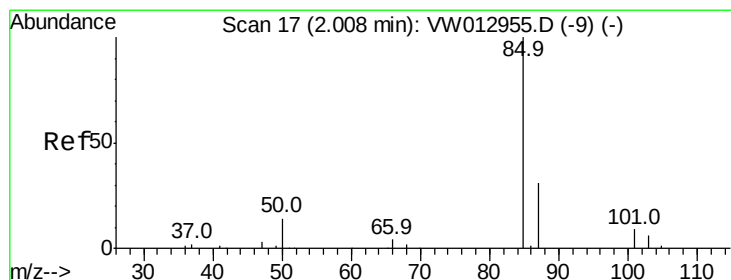
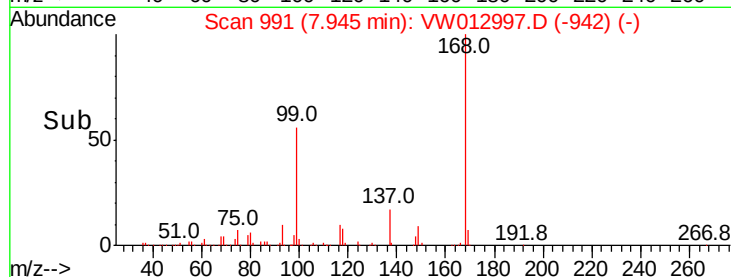
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012997.D

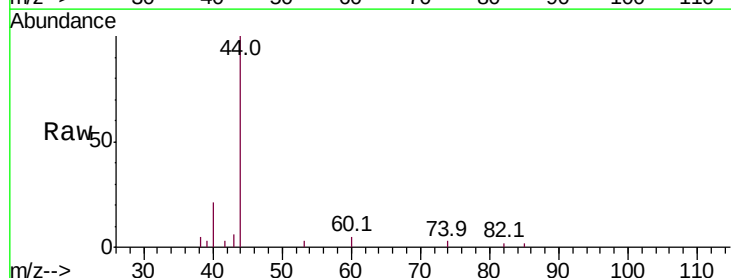
Acq: 14 Sep 2019 16:47

Tgt Ion: 85 Resp: 19

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

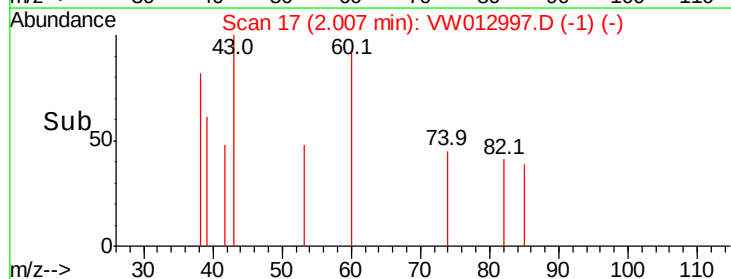
60

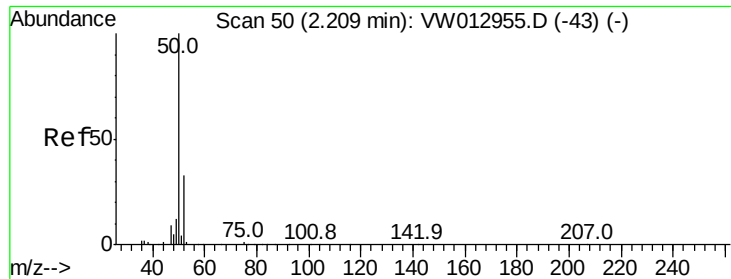
40

20

0

Time--> 1.99 2.00 2.01 2.02





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VW012997.D

Acq: 14 Sep 2019 16:47

Instrument :

MSVOA_W

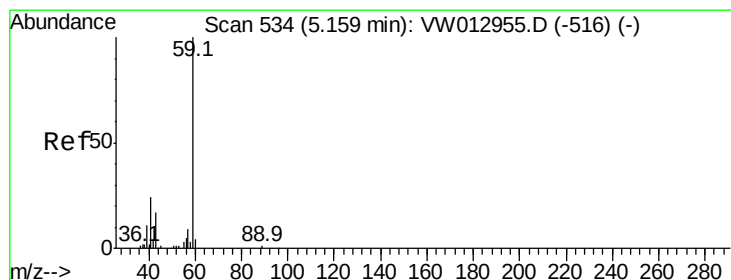
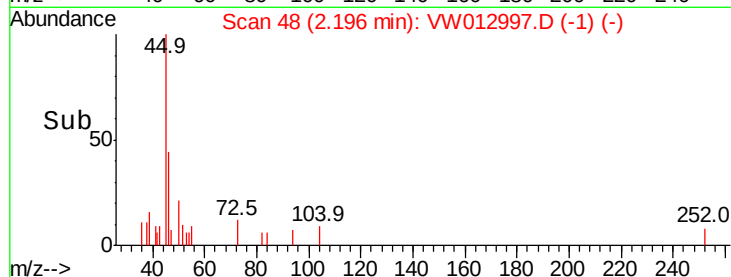
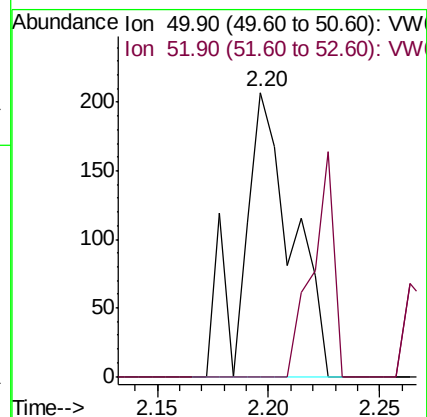
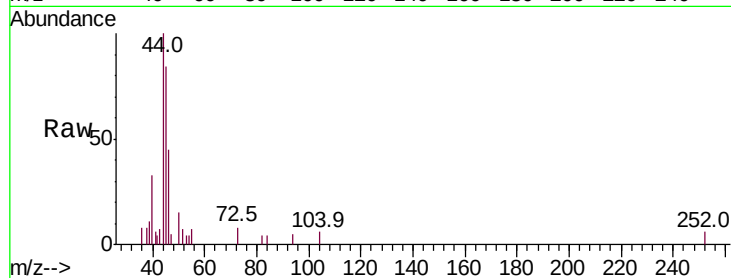
ClientSampled :

Tot Ion: 50 Resp: 320

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 541

Delta R.T. 0.04 min

Lab File: VW012997.D

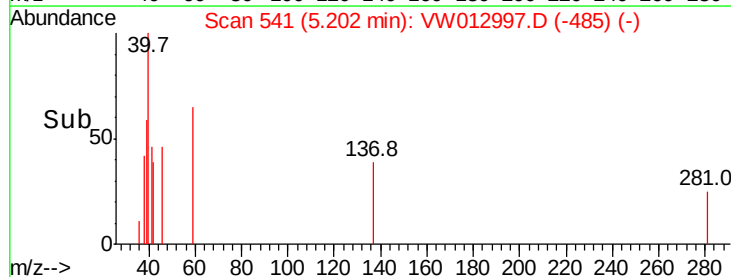
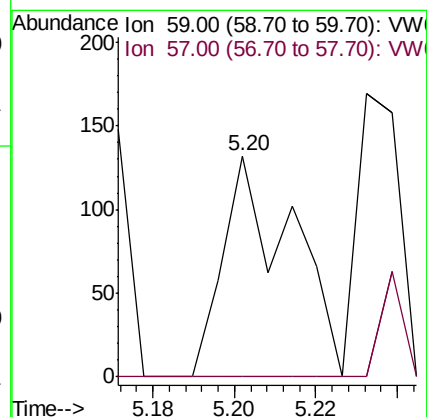
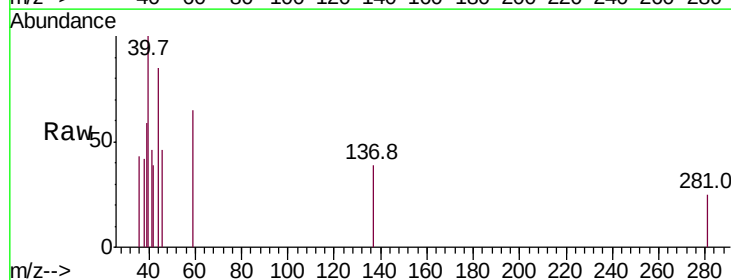
Acq: 14 Sep 2019 16:47

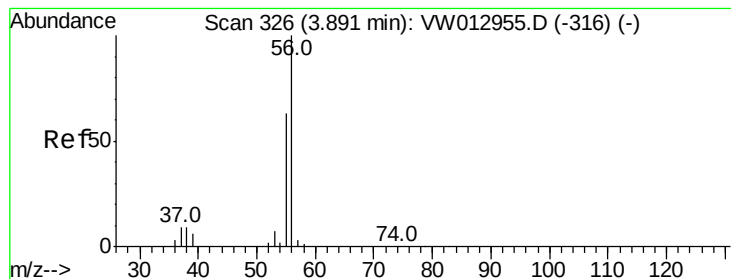
Tgt Ion: 59 Resp: 154

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.94 min Scan# 334

Delta R.T. 0.05 min

Lab File: VW012997.D

Acq: 14 Sep 2019 16:47

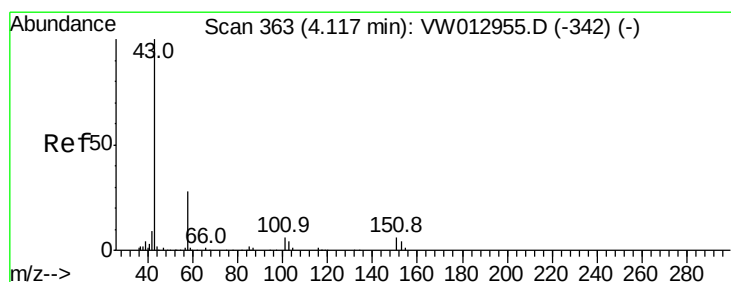
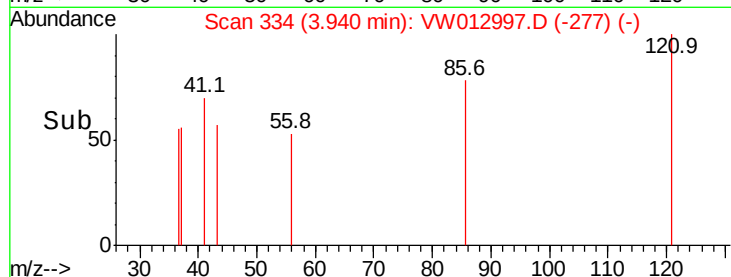
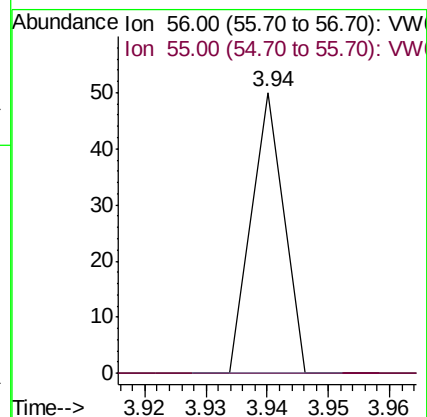
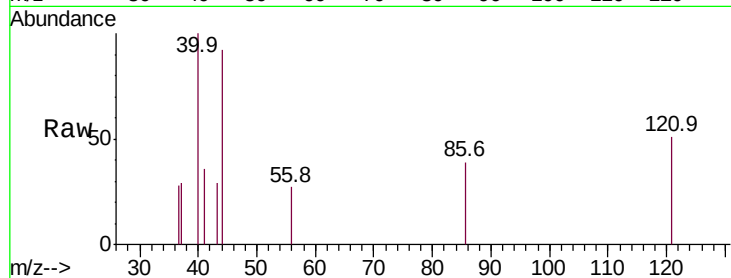
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 18

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. 0.03 min

Lab File: VW012997.D

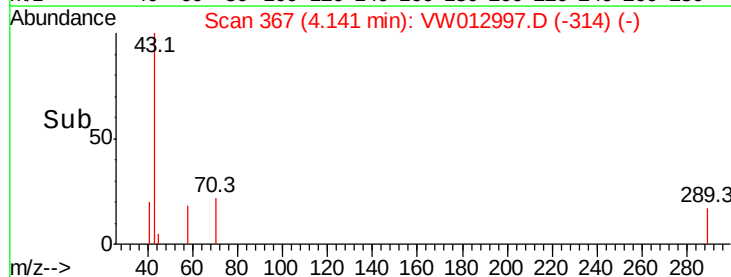
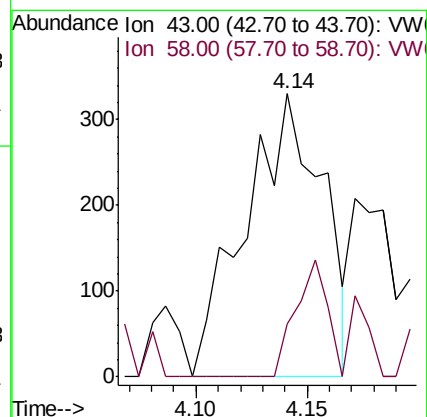
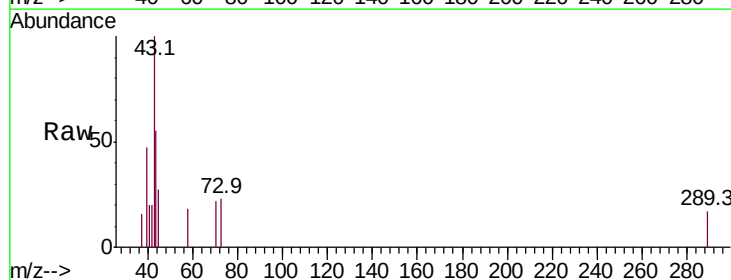
Acq: 14 Sep 2019 16:47

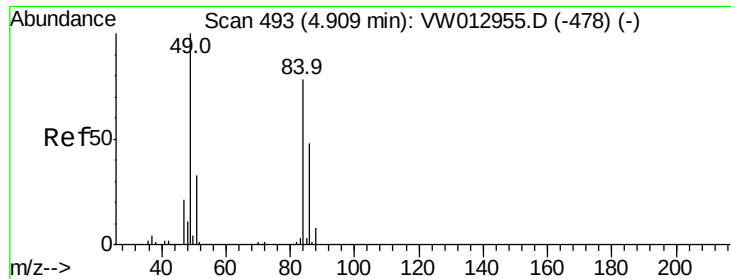
Tgt Ion: 43 Resp: 796

Ion Ratio Lower Upper

43 100

58 18.5 22.3 33.5#



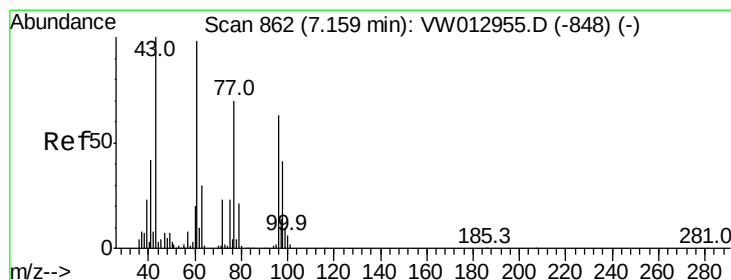
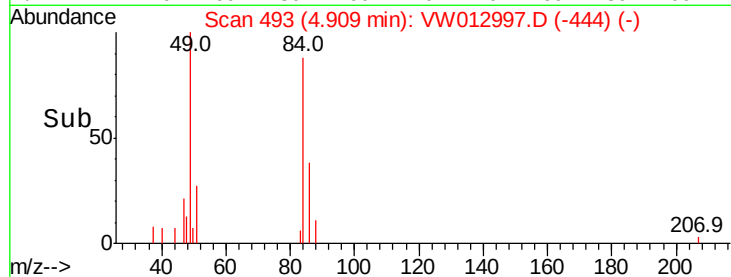
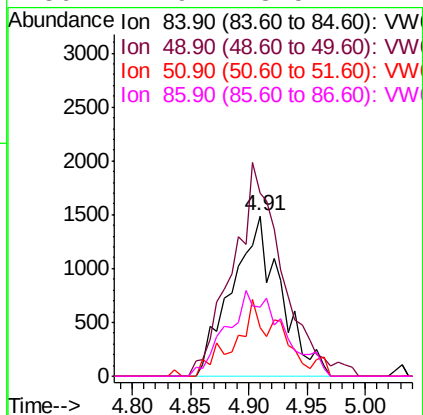
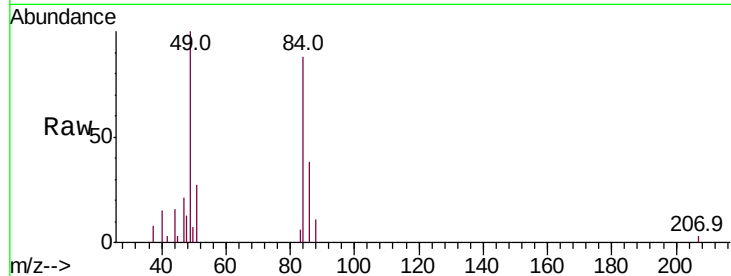


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW012997.D
 Acq: 14 Sep 2019 16:47

Instrument :
 MSVOA_W
 ClientSampleId :

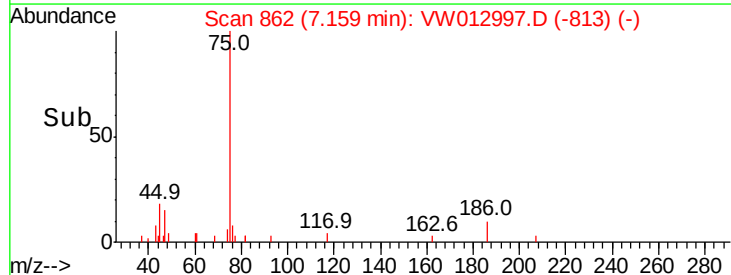
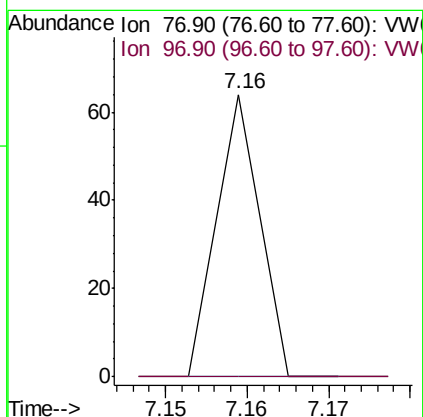
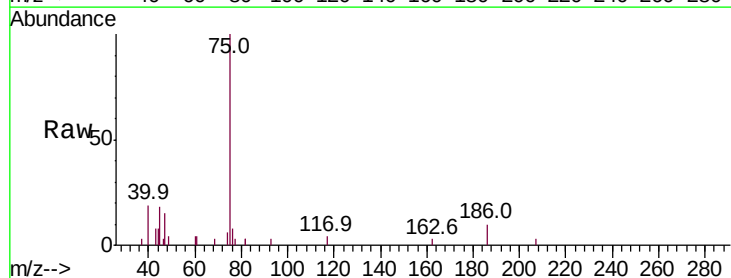
Tot Ion	84	Resp	4362
Ion Ratio	Lower	Upper	
84	100		
49	114.0	102.0	153.0
51	30.3	34.0	51.0#
86	42.9	48.5	72.7#

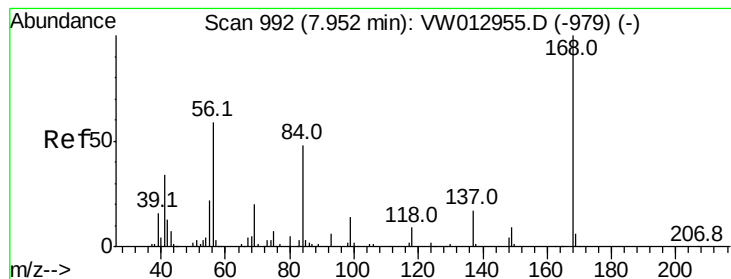


#26

2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.16 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VW012997.D
 Acq: 14 Sep 2019 16:47

Tgt Ion	77	Resp	23
Ion Ratio	Lower	Upper	
77	100		
97	0.0	10.7	32.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.93 min Scan# 989

Delta R.T. -0.02 min

Lab File: VW012997.D

Acq: 14 Sep 2019 16:47

Instrument :

MSVOA_W

ClientSampleId :

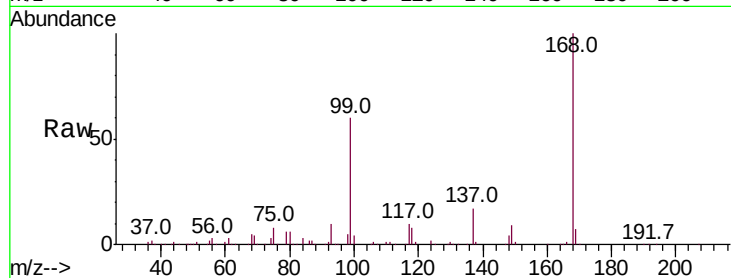
Tot Ion: 56 Resp: 5621

Ion Ratio Lower Upper

56 100

69 149.7 27.0 40.6#

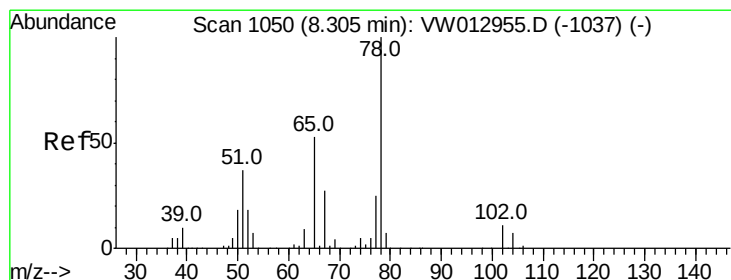
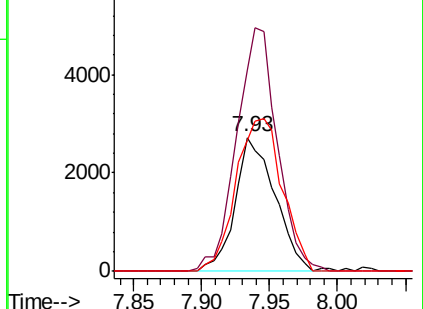
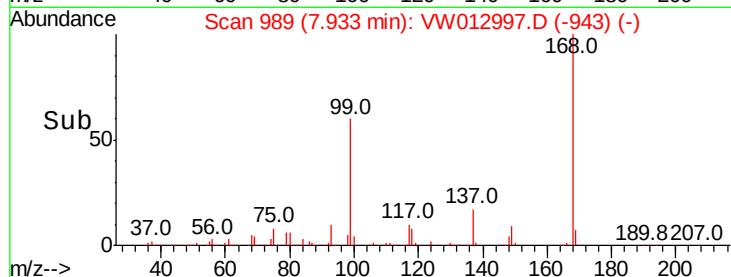
84 97.7 66.2 99.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 59.147 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012997.D

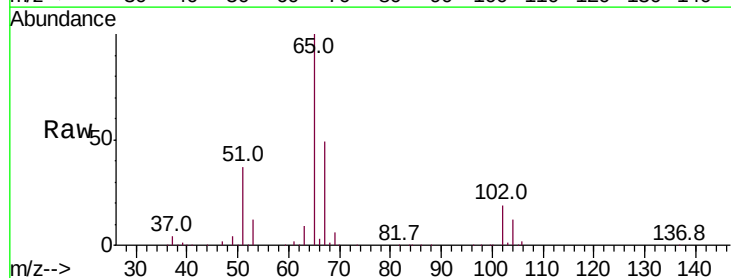
Acq: 14 Sep 2019 16:47

Tgt Ion: 65 Resp: 153054

Ion Ratio Lower Upper

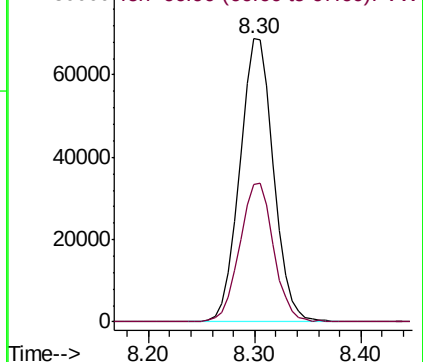
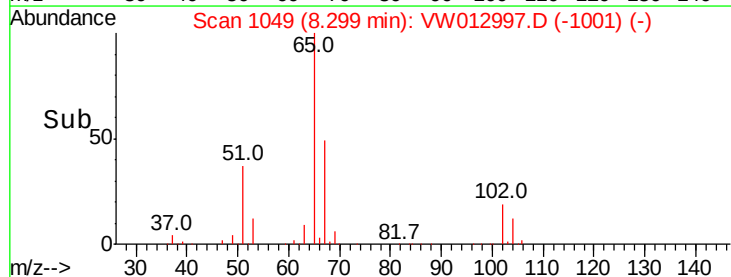
65 100

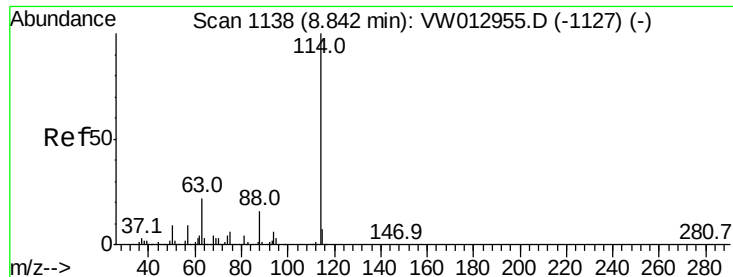
67 49.3 0.0 101.2



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# 1137

Delta R.T. -0.01 min

Lab File: VW012997.D

Acq: 14 Sep 2019 16:47

Instrument :

MSVOA_W

ClientSampled :

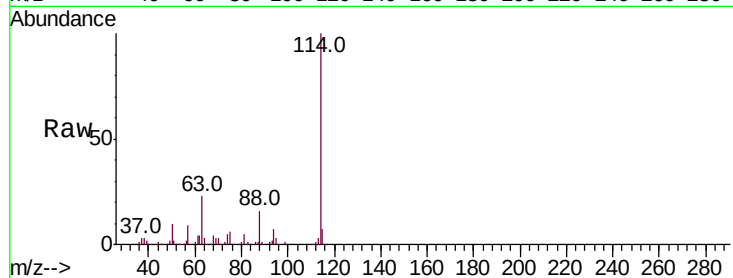
Tot Ion:114 Resp: 427813

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.4

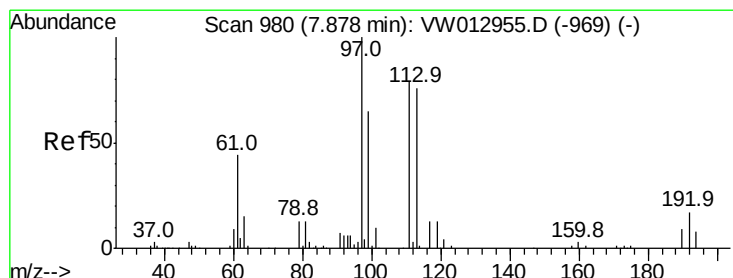
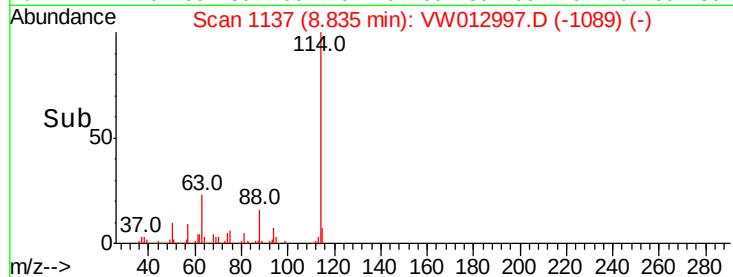
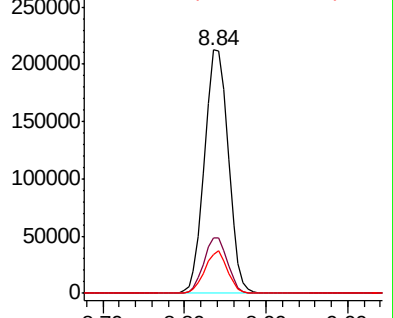
88 16.2 0.0 31.6



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: 53.681 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW012997.D

Acq: 14 Sep 2019 16:47

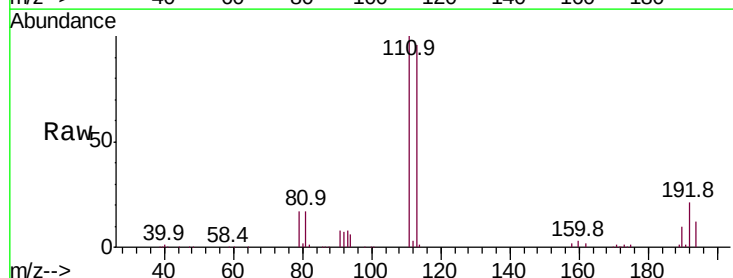
Tgt Ion:113 Resp: 124614

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

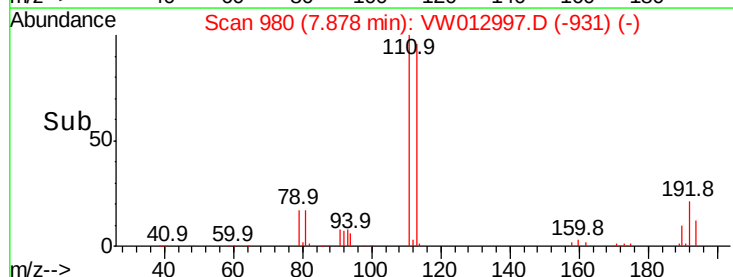
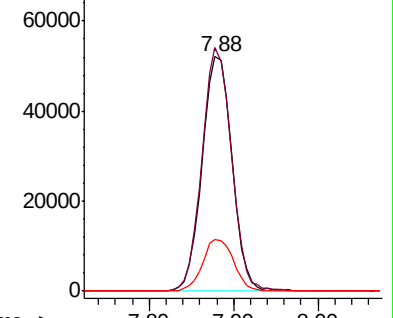
192 22.7 17.8 26.8

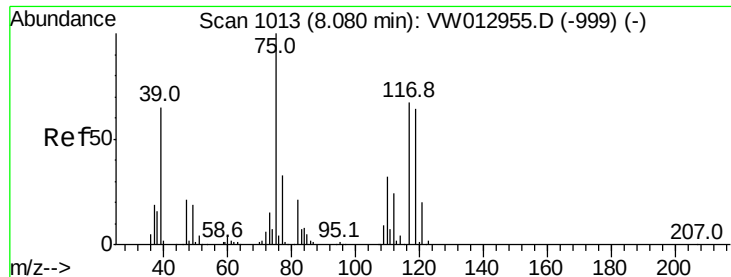


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

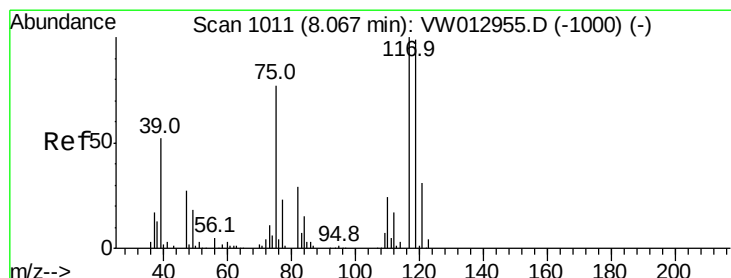
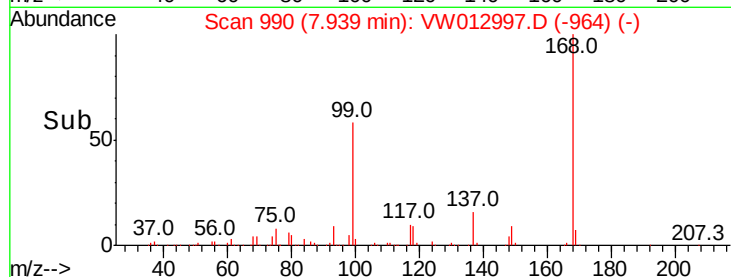
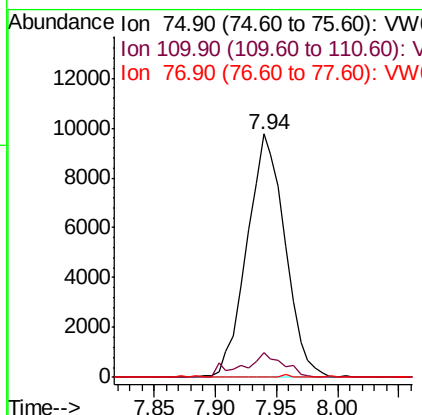
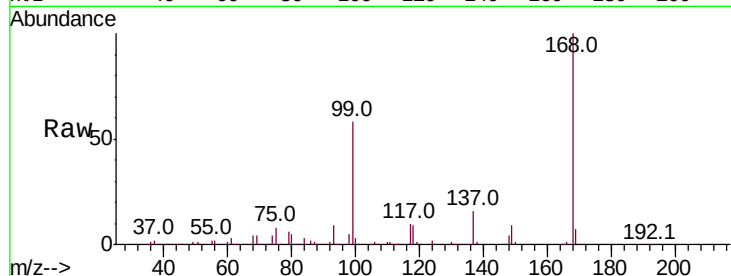




#36
 1,1-Dichloropropene
 Concen: 6.172 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012997.D
 Acq: 14 Sep 2019 16:47

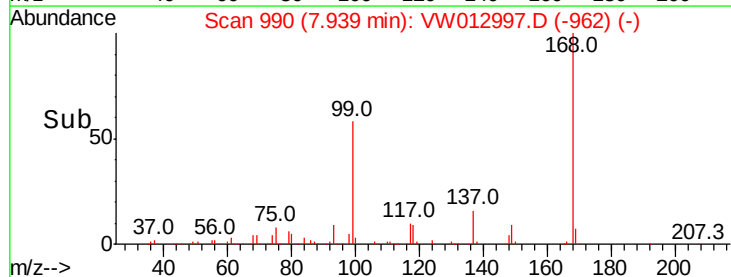
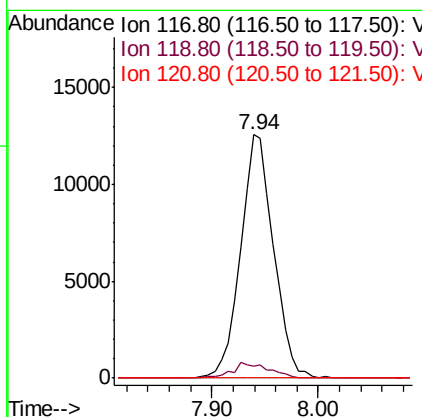
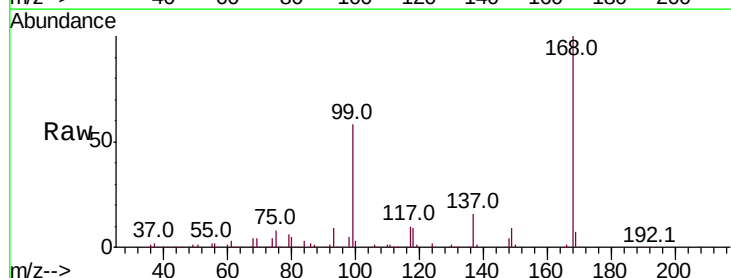
Instrument :
 MSVOA_W
 ClientSampleId :

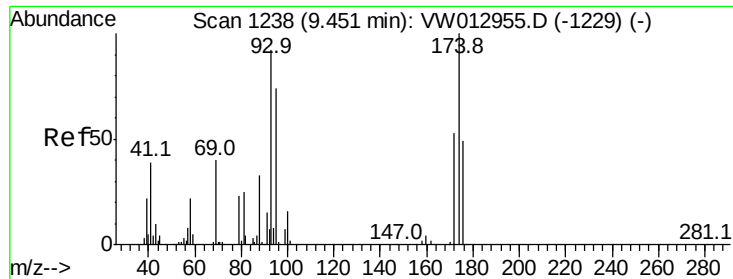
Tot Ion: 75 Resp: 21100
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.4 49.1#
 77 0.2 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.757 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012997.D
 Acq: 14 Sep 2019 16:47

Tgt Ion: 117 Resp: 27175
 Ion Ratio Lower Upper
 117 100
 119 5.0 79.4 119.0#
 121 0.0 24.6 36.8#

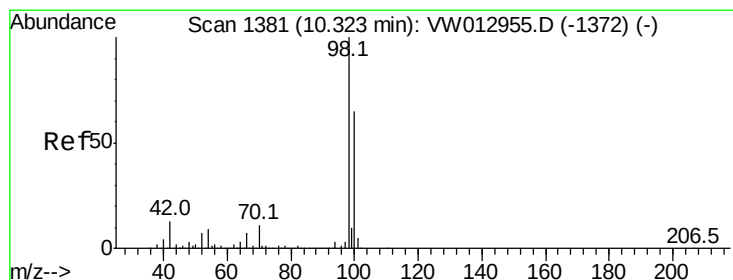
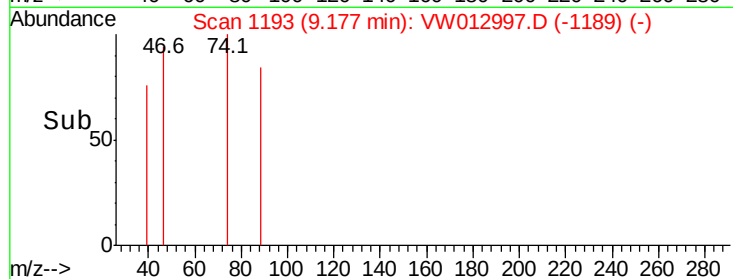
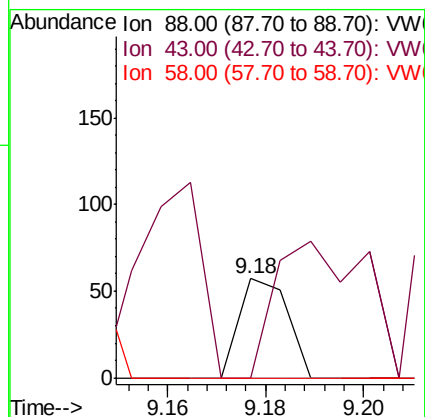
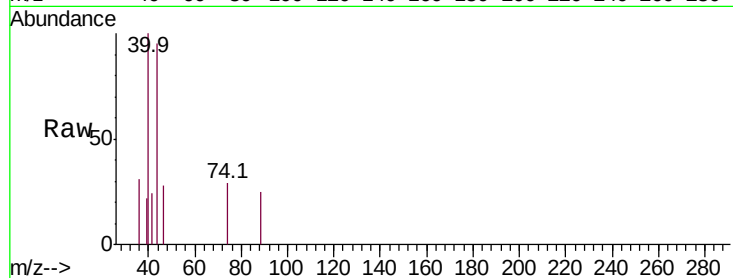




#49
1,4-Dioxane
Concen: 1.965 ug/l
RT: 9.18 min Scan# 1193
Delta R.T. -0.27 min
Lab File: VW012997.D
Acq: 14 Sep 2019 16:47

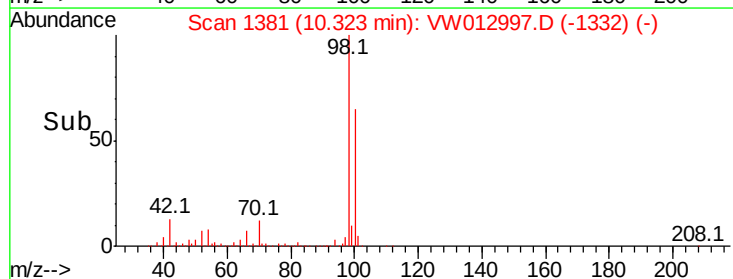
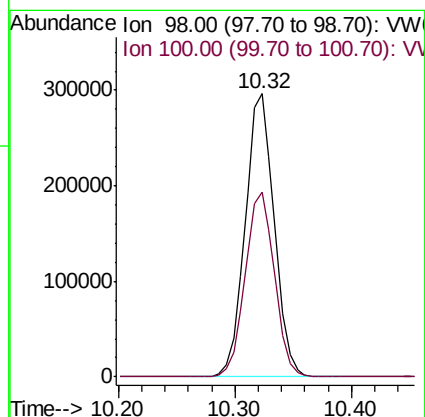
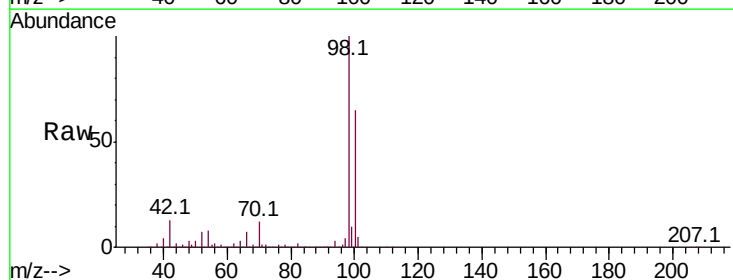
Instrument :
MSVOA_W
ClientSampleId :

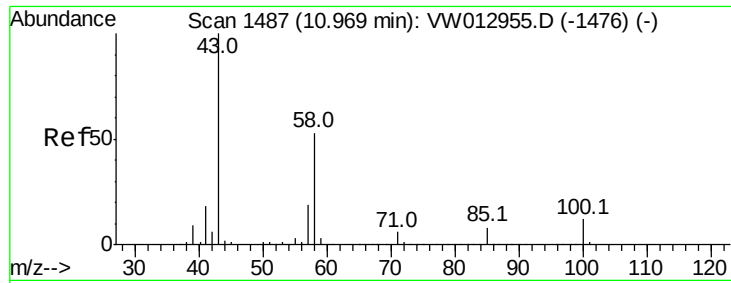
Tot Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 252.5 31.3 46.9#
58 0.0 60.2 90.2#



#50
Toluene-d8
Concen: 56.689 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012997.D
Acq: 14 Sep 2019 16:47

Tgt Ion: 98 Resp: 514948
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1





#59

2-Hexanone

Concen: 1.218 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW012997.D

Acq: 14 Sep 2019 16:47

Instrument :

MSVOA_W

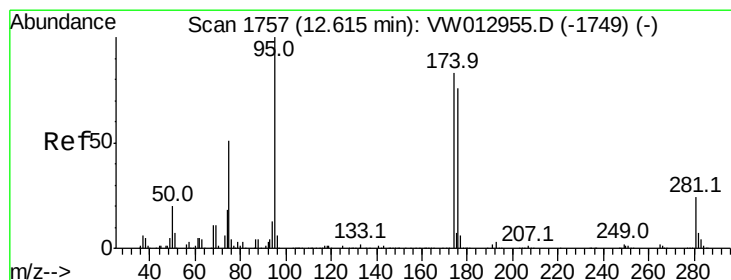
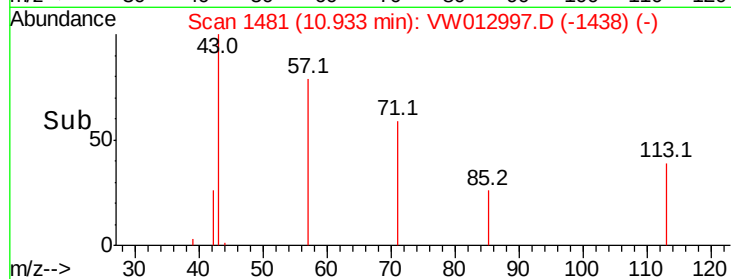
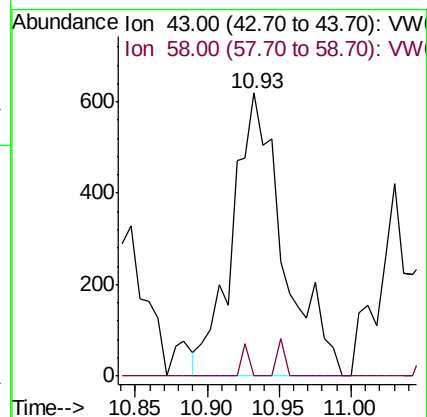
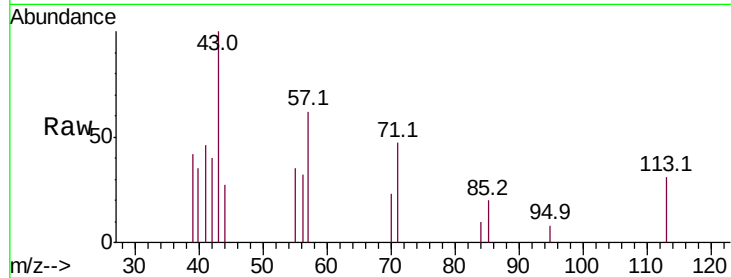
ClientSampled :

Tot Ion: 43 Resp: 1525

Ion Ratio Lower Upper

43 100

58 1.7 25.8 77.3#



#62

4-Bromofluorobenzene

Concen: 52.717 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012997.D

Acq: 14 Sep 2019 16:47

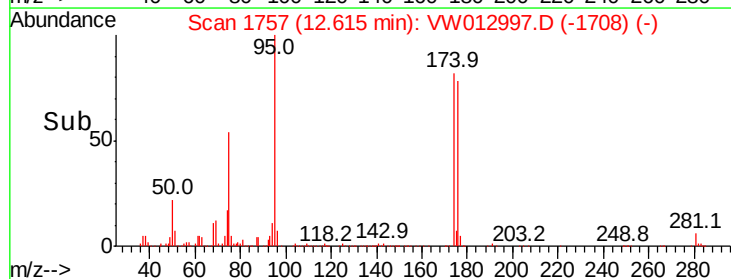
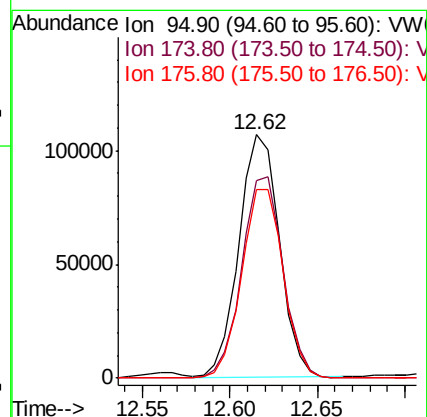
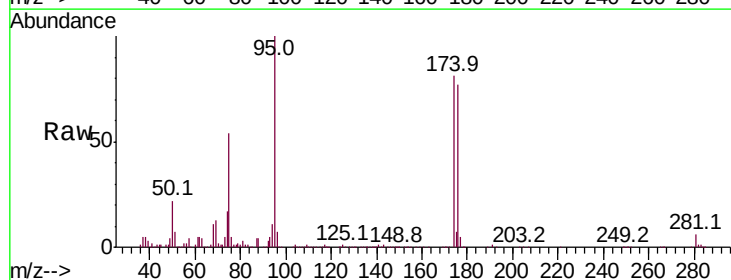
Tgt Ion: 95 Resp: 172192

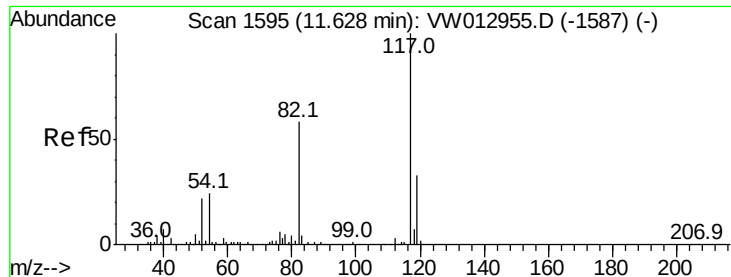
Ion Ratio Lower Upper

95 100

174 84.5 0.0 170.4

176 80.0 0.0 164.6

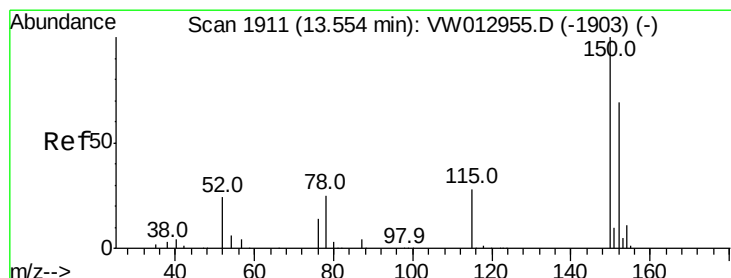
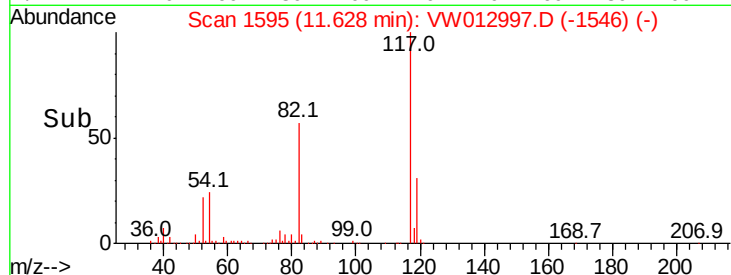
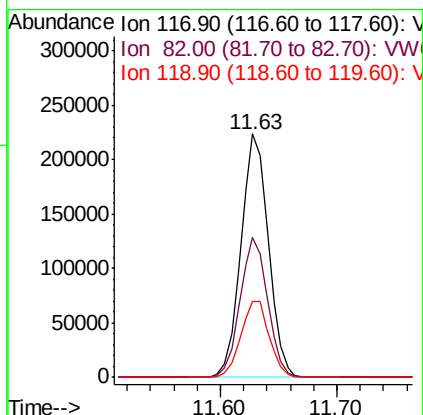
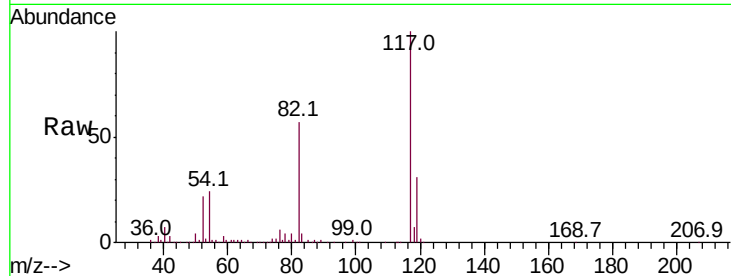




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012997.D
Acq: 14 Sep 2019 16:47

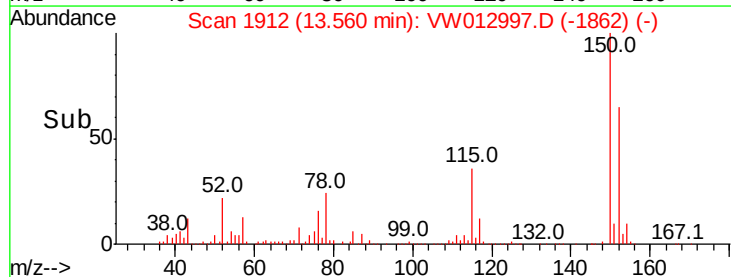
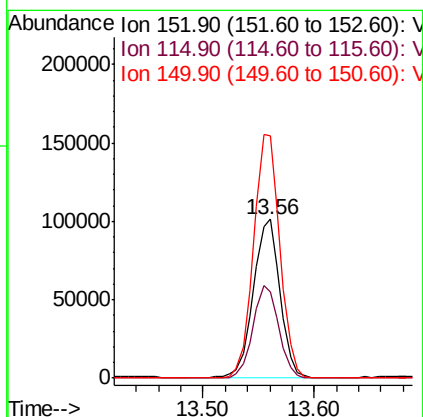
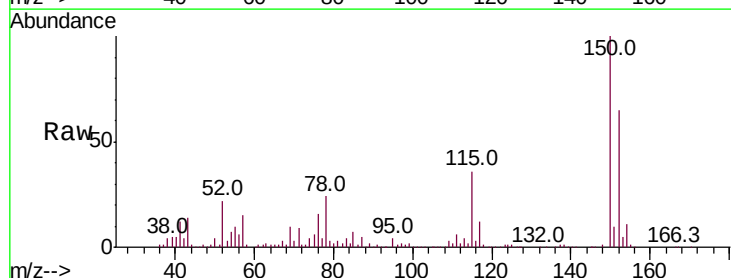
Instrument :
MSVOA_W
ClientSampleId :

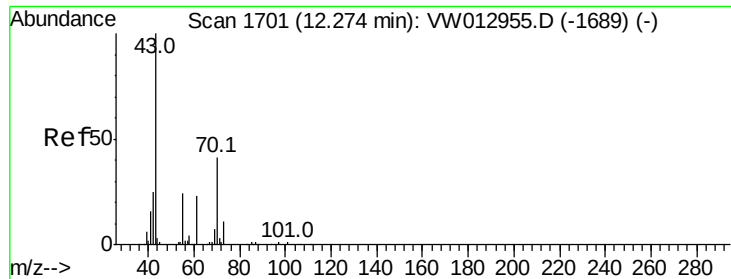
Tot Ion:117 Resp: 368839
Ion Ratio Lower Upper
117 100
82 57.3 46.3 69.5
119 31.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW012997.D
Acq: 14 Sep 2019 16:47

Tgt Ion:152 Resp: 169657
Ion Ratio Lower Upper
152 100
115 56.3 28.8 86.4
150 150.9 0.0 340.2

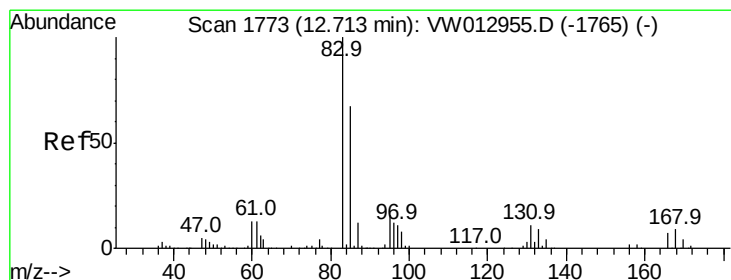
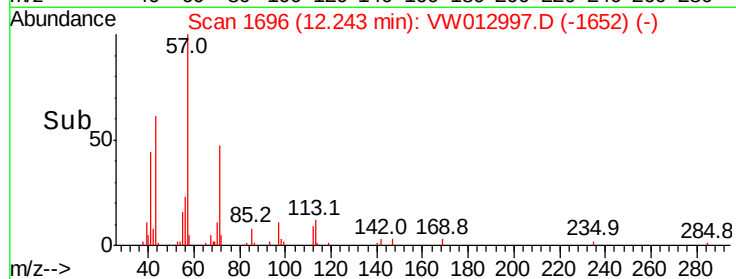
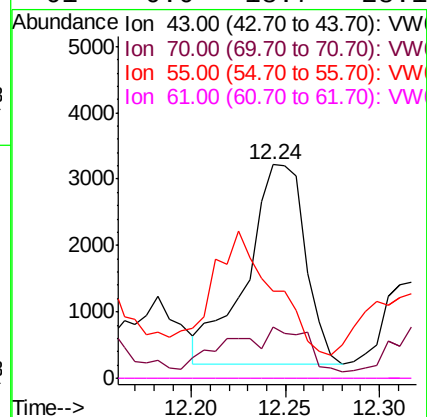
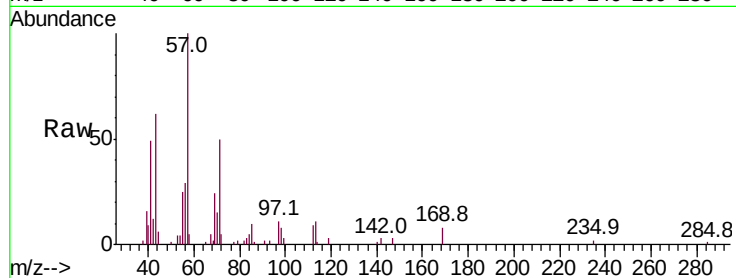




#74
N-amvl acetate
Concen: 2.229 ug/l
RT: 12.24 min Scan# 1696
Delta R.T. -0.03 min
Lab File: VW012997.D
Acq: 14 Sep 2019 16:47

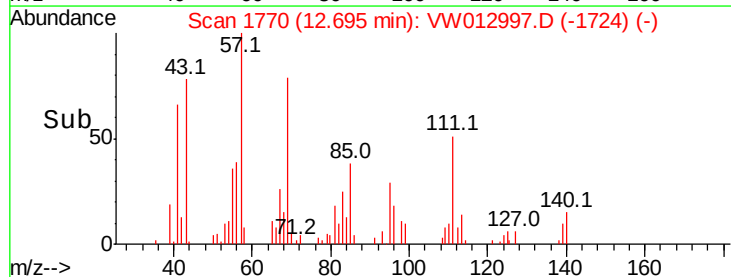
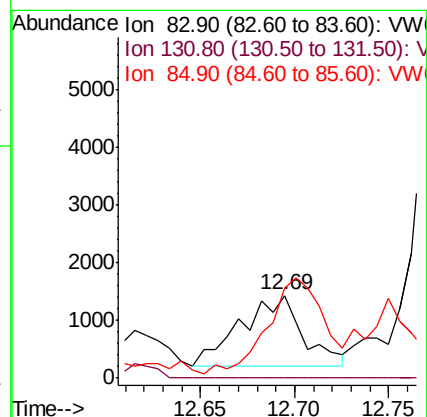
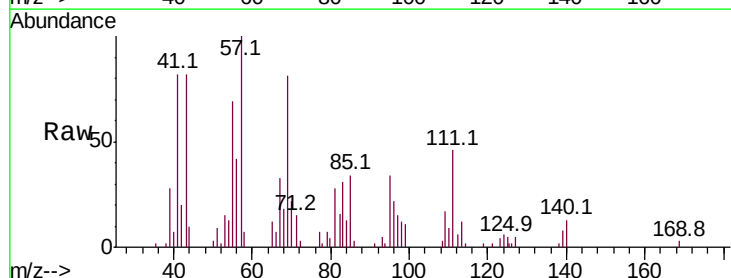
Instrument :
MSVOA_W
ClientSampleId :

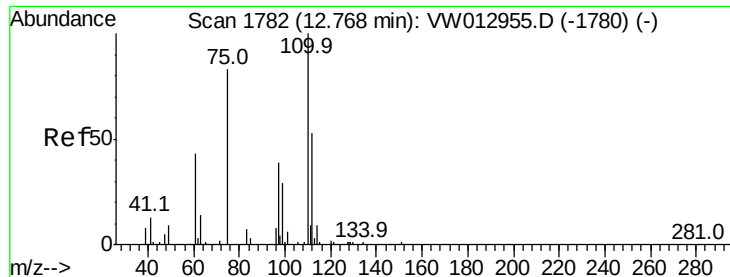
Tot Ion: 43 Resp: 6447
Ion Ratio Lower Upper
43 100
70 14.6 31.7 47.5#
55 0.0 19.4 29.2#
61 0.0 18.7 28.1#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.426 ug/l
RT: 12.69 min Scan# 1770
Delta R.T. -0.02 min
Lab File: VW012997.D
Acq: 14 Sep 2019 16:47

Tgt Ion: 83 Resp: 2817
Ion Ratio Lower Upper
83 100
131 0.0 5.7 17.1#
85 120.9 31.4 94.3#





#76

1,2,3-Trichloropropane

Concen: 60.619 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012997.D

Acq: 14 Sep 2019 16:47

Instrument :

MSVOA_W

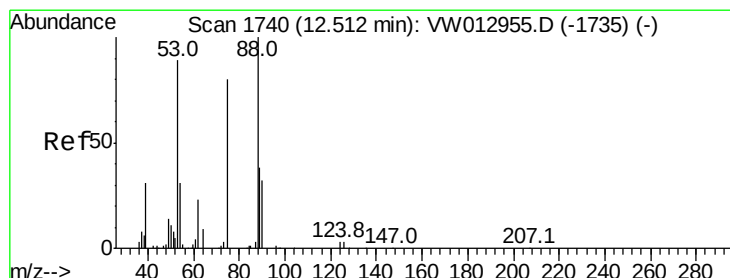
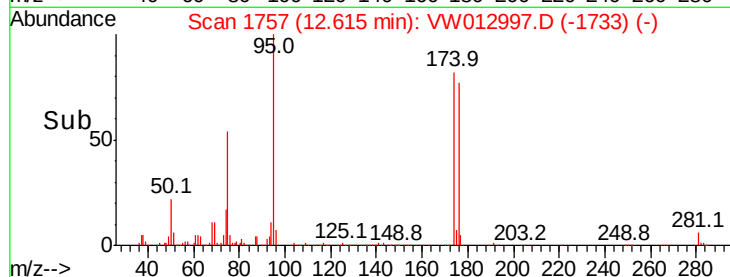
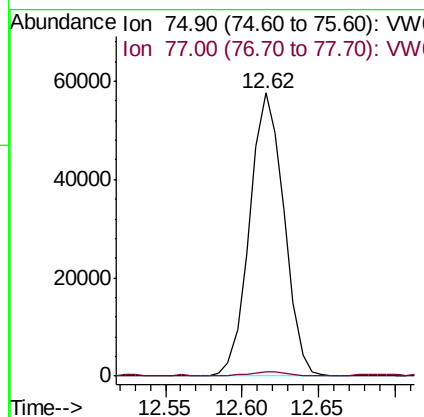
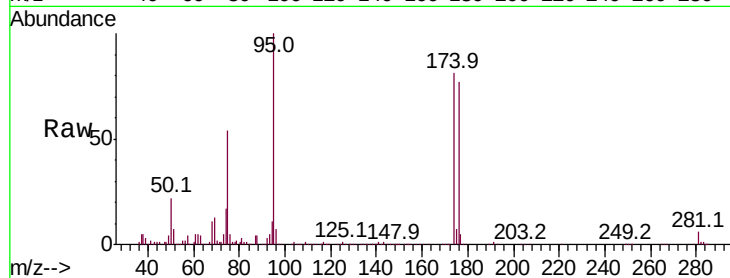
ClientSampleId :

Tot Ion: 75 Resp: 90084

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.514 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012997.D

Acq: 14 Sep 2019 16:47

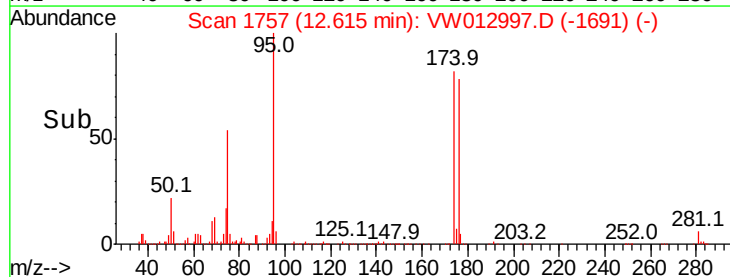
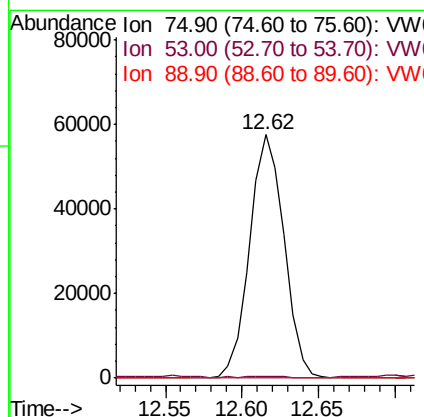
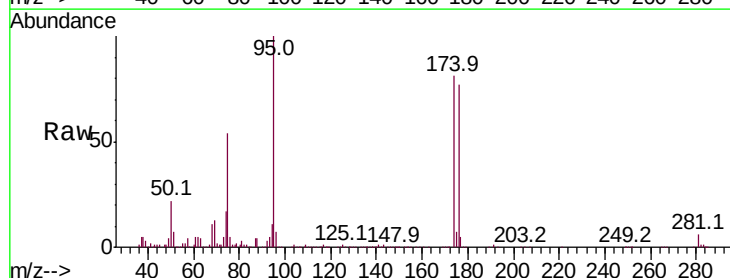
Tgt Ion: 75 Resp: 90084

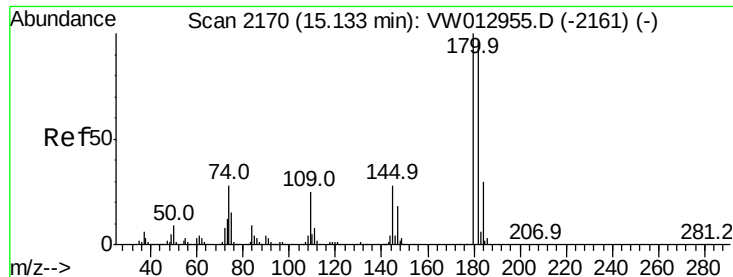
Ion Ratio Lower Upper

75 100

53 0.6 85.6 128.4#

89 0.1 37.2 55.8#

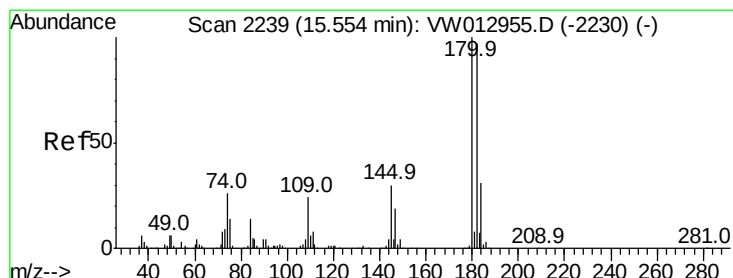
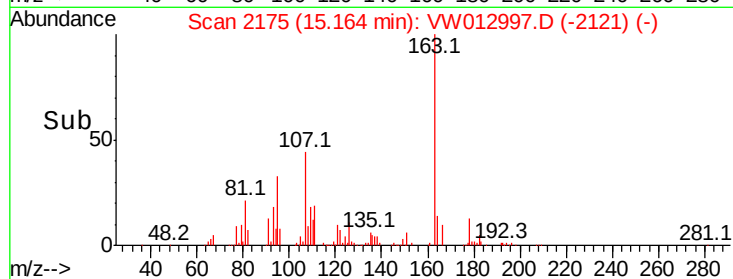
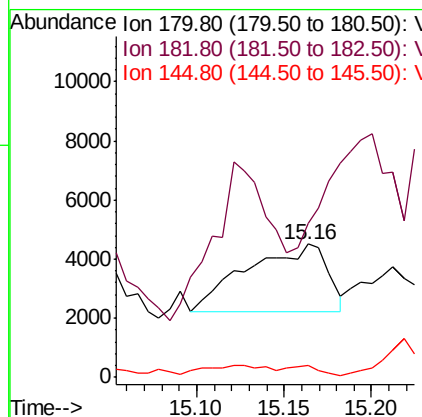
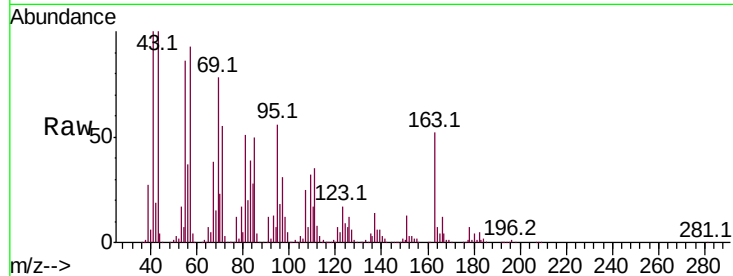




#93
 1,2,4-Trichlorobenzene
 Concen: 2.297 ug/l
 RT: 15.16 min Scan# 2175
 Delta R.T. 0.03 min
 Lab File: VW012997.D
 Acq: 14 Sep 2019 16:47

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 7388
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.2#
 145 6.8 14.9 44.7#



#96
 1,2,3-Trichlorobenzene
 Concen: 3.575 ug/l
 RT: 15.57 min Scan# 2242
 Delta R.T. 0.02 min
 Lab File: VW012997.D
 Acq: 14 Sep 2019 16:47

Tgt Ion:180 Resp: 10164
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.6 142.8#
 145 1.0 15.4 46.2#

