

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW012994.D
 Acq On : 14 Sep 2019 15:30
 Operator : SY/VA
 Sample : K4719-16RE
 Misc : 3.67G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:52:56 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	7.94	168	264030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	414469	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	132274	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	149532	61.32	ug/l	0.00
Spiked Amount			Recovery	=	122.64%	
35) Dibromofluoromethane	7.88	113	119633	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
50) Toluene-d8	10.32	98	489118	55.58	ug/l	0.00
Spiked Amount			Recovery	=	111.16%	
62) 4-Bromofluorobenzene	12.62	95	149780	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	

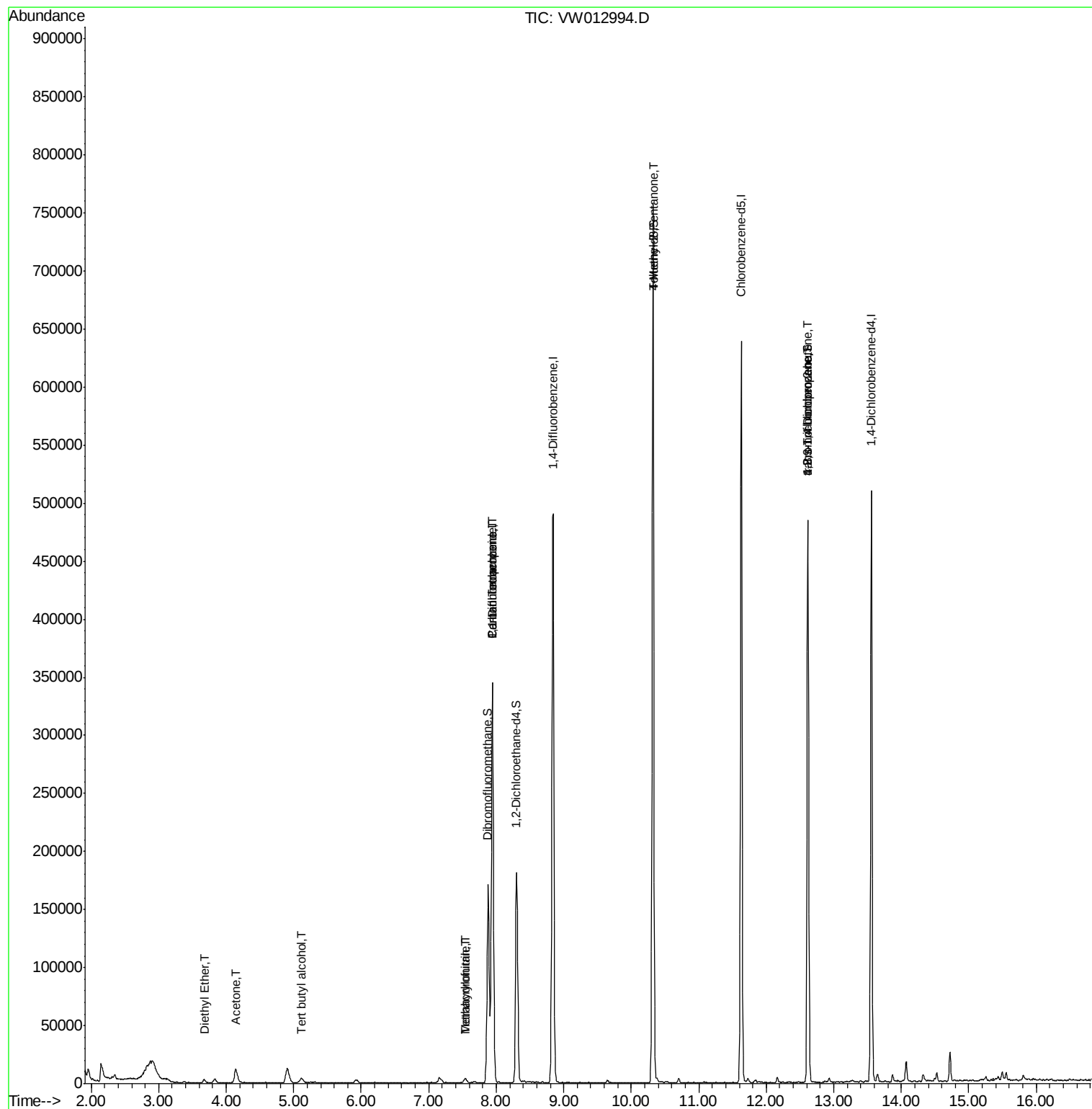
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.25	85	20	Below Cal	#	44
3) Chloromethane	2.20	50	243	Below Cal	#	41
8) Diethyl Ether	3.68	74	1305	1.265	ug/l	52
11) Tert butyl alcohol	5.12	59	3719	1.283	ug/l #	72
13) Acrolein	3.83	56	24	Below Cal	#	1
16) Acetone	4.14	43	25855	31.802	ug/l	95
20) Methylene Chloride	4.90	84	9974	Below Cal		92
26) 2,2-Dichloropropane	7.15	77	109	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	3588	8.121	ug/l	97
31) Cyclohexane	7.94	56	6025	Below Cal	#	21
36) 1,1-Dichloropropene	7.94	75	21190	6.398	ug/l #	51
38) Carbon Tetrachloride	7.95	117	26164	7.709	ug/l #	15
41) Methacrylonitrile	7.54	41	2295	1.982	ug/l #	56
51) 4-Methyl-2-Pentanone	10.32	43	2519	1.446	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	78427	67.690	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78427	153.554	ug/l #	7

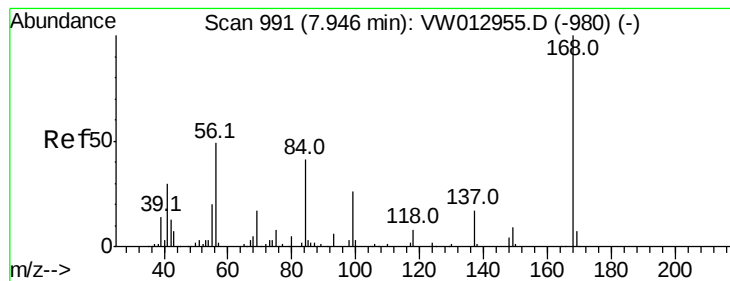
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091519\
Data File : VW012994.D
Acq On : 14 Sep 2019 15:30
Operator : SY/VA
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Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 16 06:52:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
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: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012994.D

Acq: 14 Sep 2019 15:30

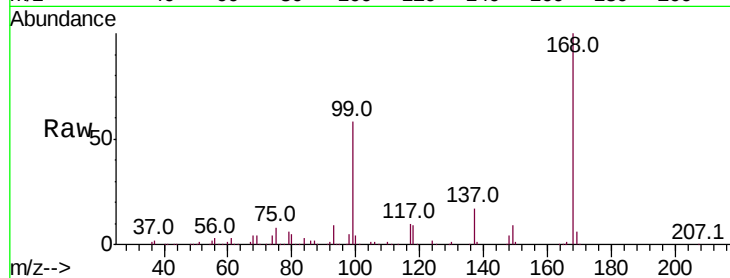
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 264030

Ion Ratio Lower Upper

168 100

99 58.2 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

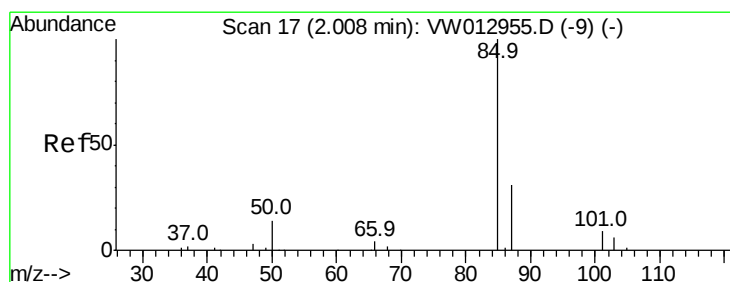
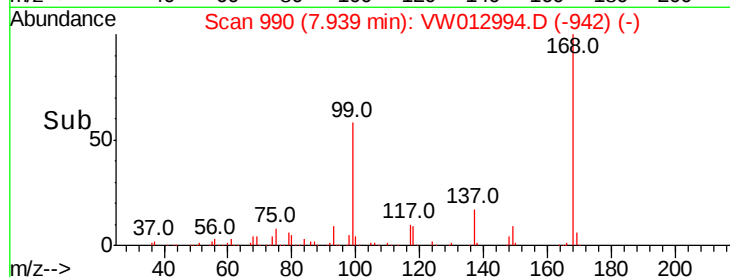
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.25 min Scan# 56

Delta R.T. 0.24 min

Lab File: VW012994.D

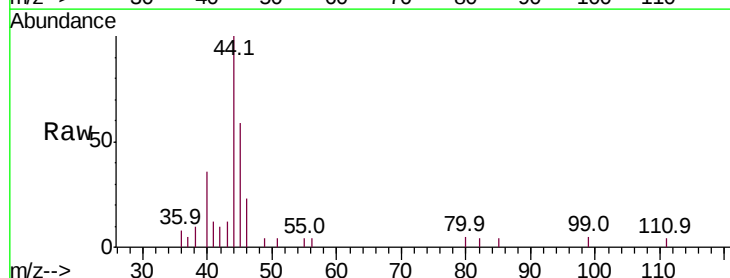
Acq: 14 Sep 2019 15:30

Tgt Ion: 85 Resp: 20

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

2.25

60

50

40

30

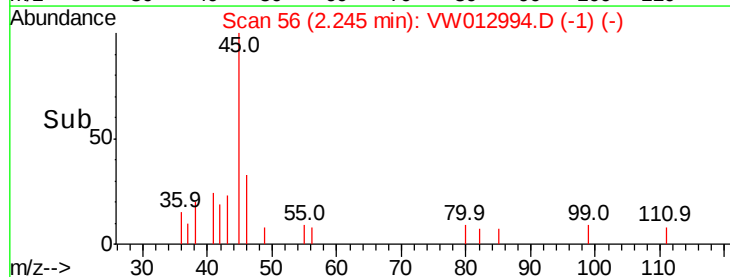
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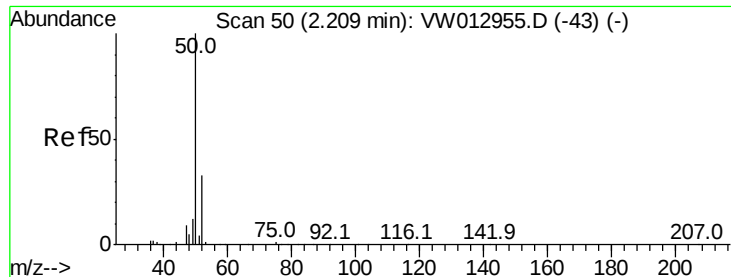
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0

2.23 2.24 2.25 2.26

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW012994.D

Acq: 14 Sep 2019 15:30

Instrument :

MSVOA_W

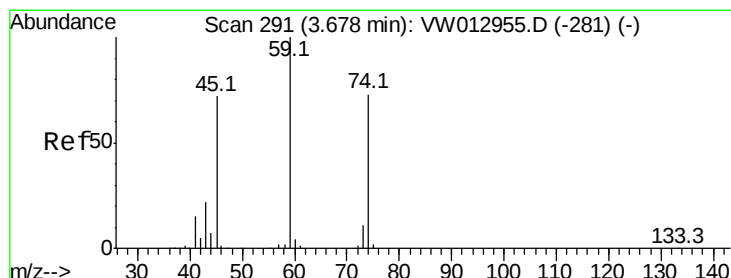
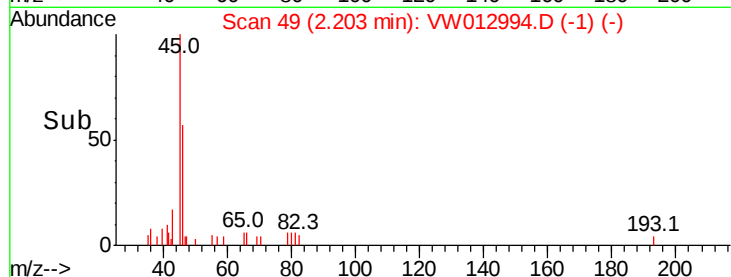
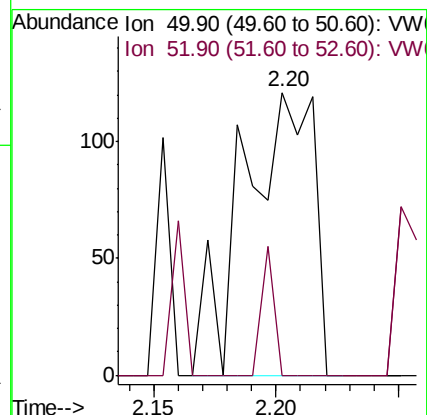
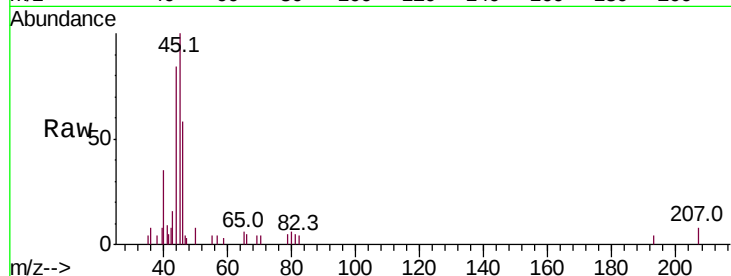
ClientSampled :

Tot Ion: 50 Resp: 243

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#8

Diethyl Ether

Concen: 1.265 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012994.D

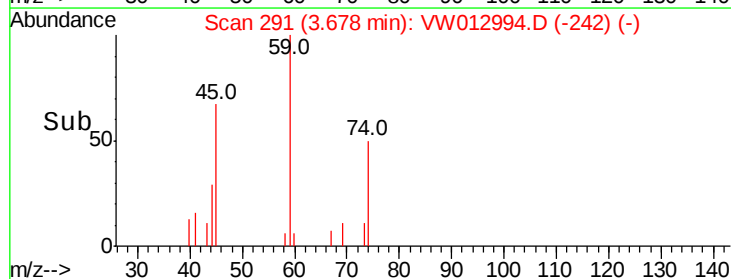
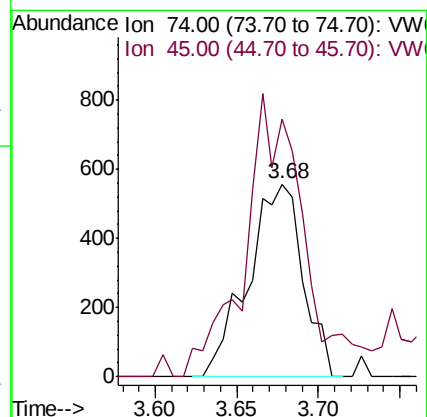
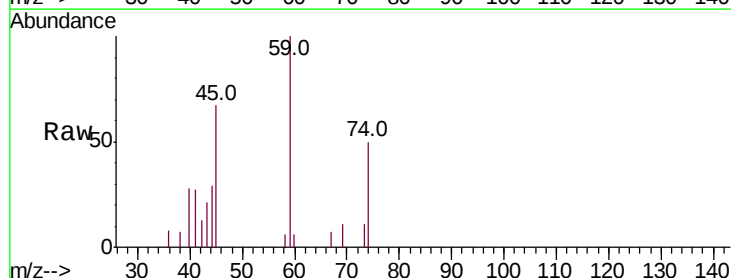
Acq: 14 Sep 2019 15:30

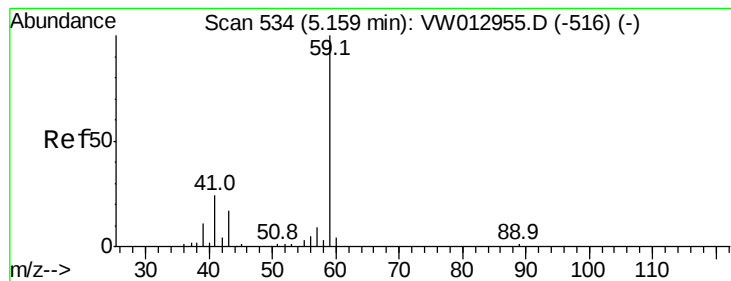
Tgt Ion: 74 Resp: 1305

Ion Ratio Lower Upper

74 100

45 157.7 53.8 161.4



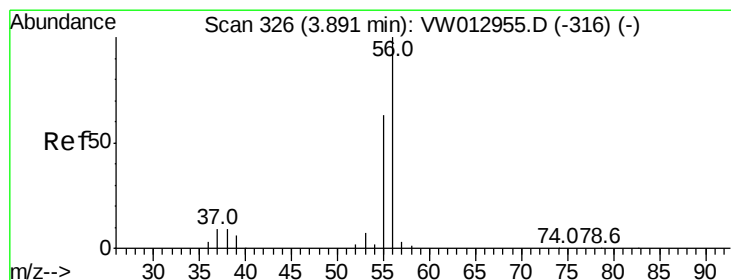
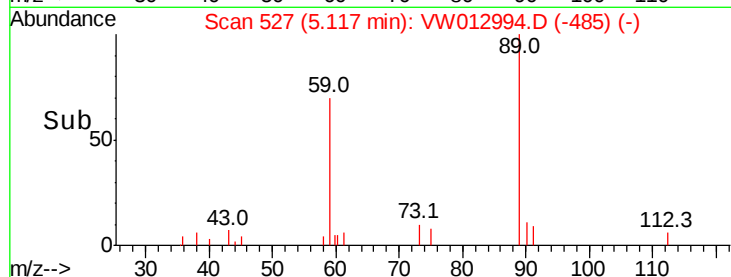
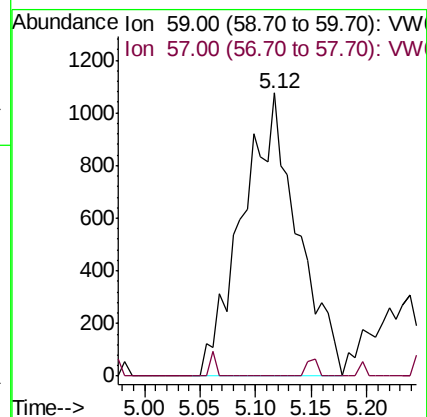
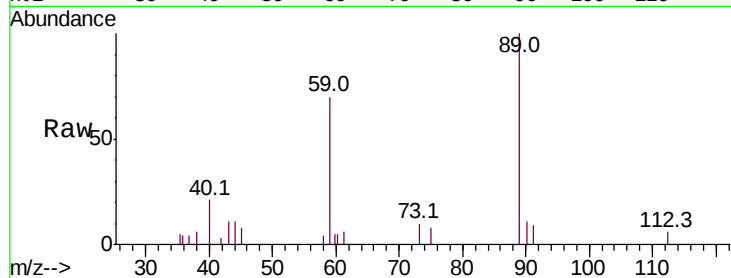


#11

Tert butyl alcohol
 Concen: 1.283 ug/l
 RT: 5.12 min Scan# 527
 Delta R.T. -0.04 min
 Lab File: VW012994.D
 Acq: 14 Sep 2019 15:30

Instrument :
 MSVOA_W
 ClientSampled :

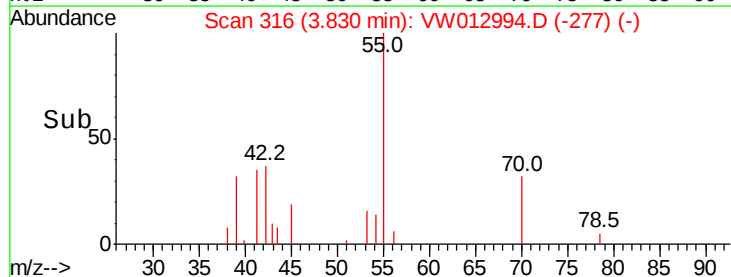
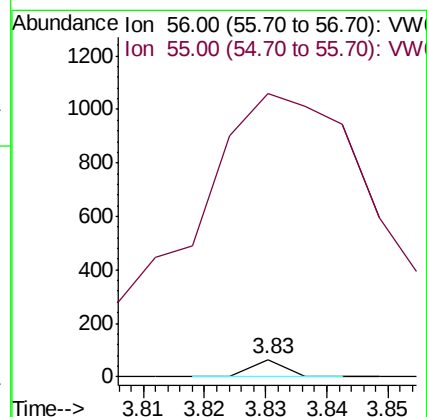
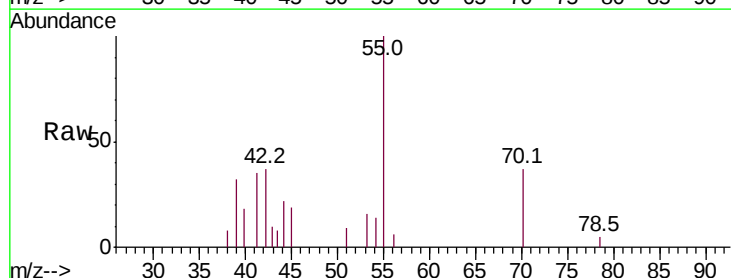
Tot Ion: 59 Resp: 3719
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

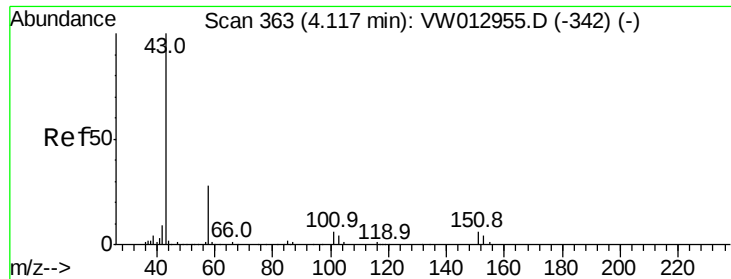


#13

Acrolein
 Concen: Below Cal
 RT: 3.83 min Scan# 316
 Delta R.T. -0.06 min
 Lab File: VW012994.D
 Acq: 14 Sep 2019 15:30

Tgt Ion: 56 Resp: 24
 Ion Ratio Lower Upper
 56 100
 55 10933.3 55.8 83.8#





#16

Acetone

Concen: 31.802 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.03 min

Lab File: VW012994.D

Acq: 14 Sep 2019 15:30

Instrument :

MSVOA_W

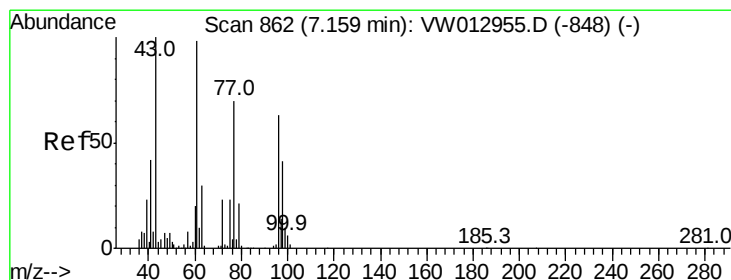
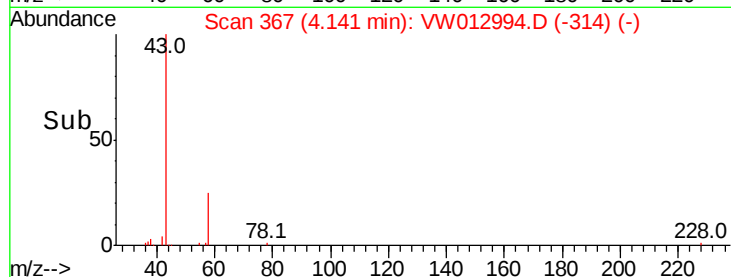
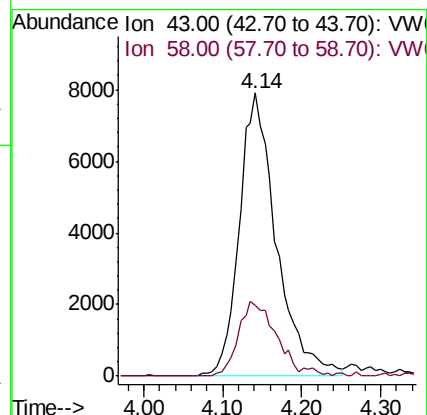
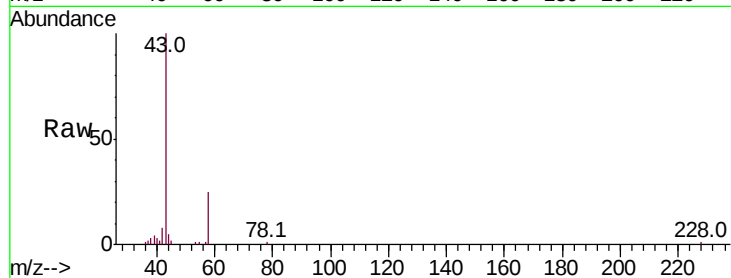
ClientSampleId :

Tot Ion: 43 Resp: 25855

Ion Ratio Lower Upper

43 100

58 25.2 22.3 33.5



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012994.D

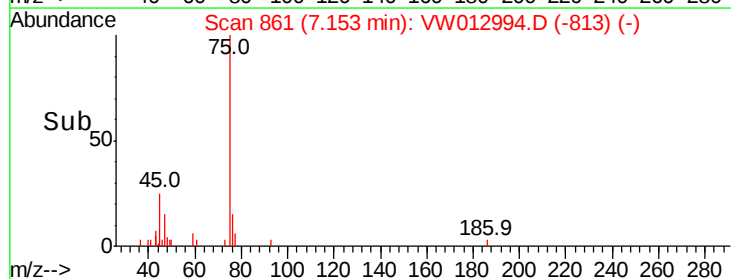
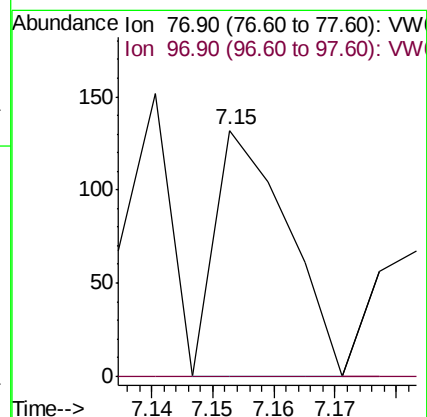
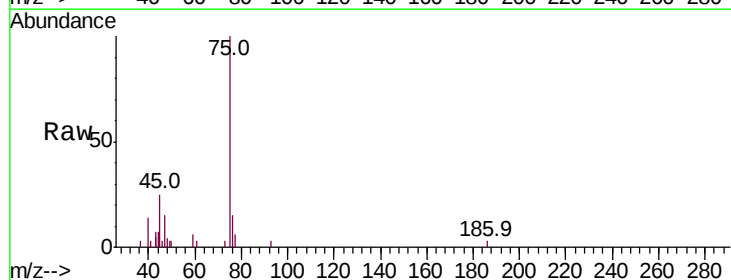
Acq: 14 Sep 2019 15:30

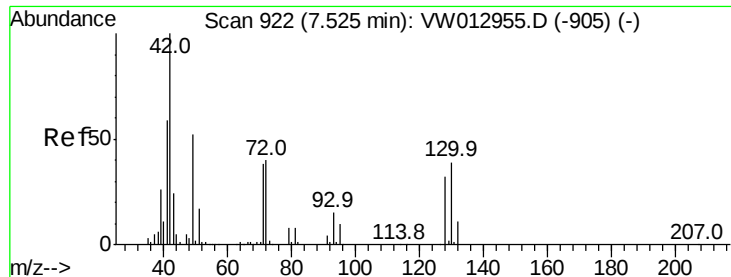
Tgt Ion: 77 Resp: 109

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#

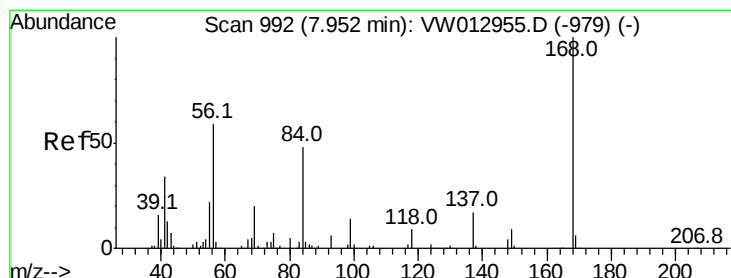
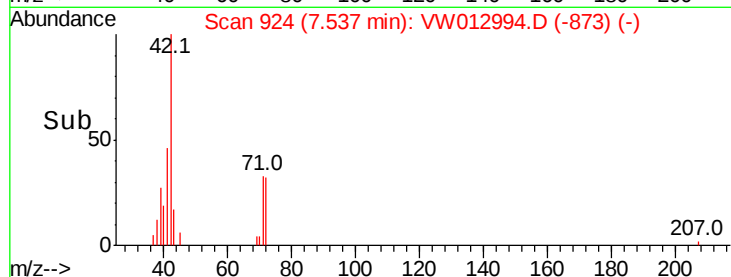
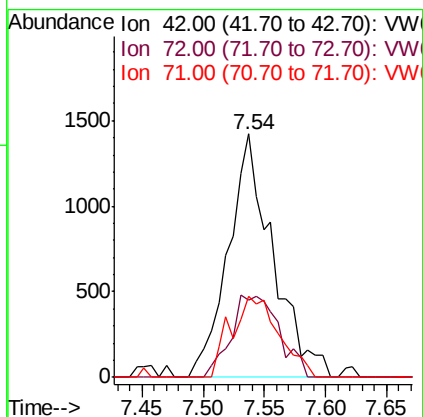
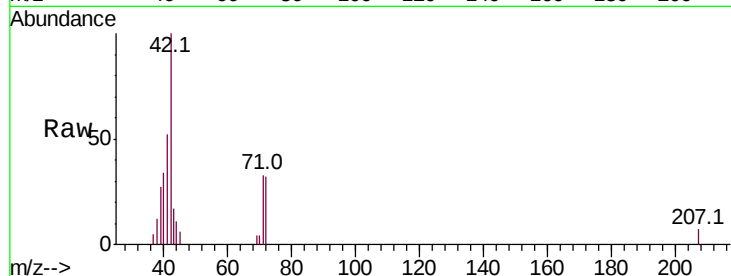




#29
Tetrahydrofuran
Concen: 8.121 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012994.D
Acq: 14 Sep 2019 15:30

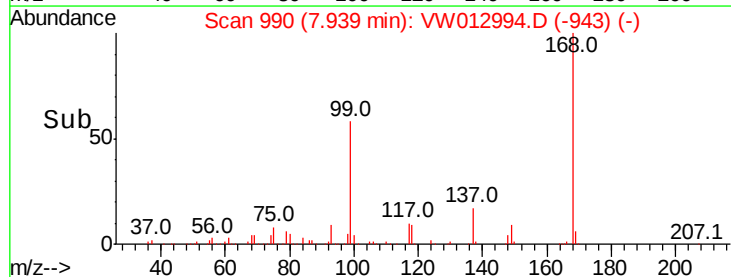
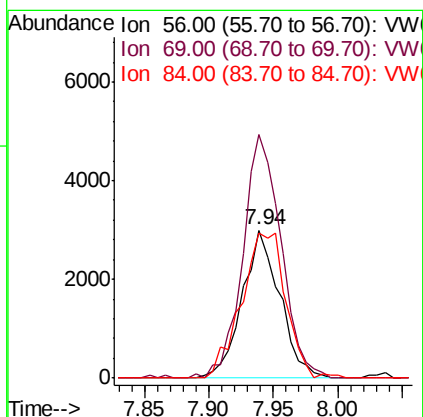
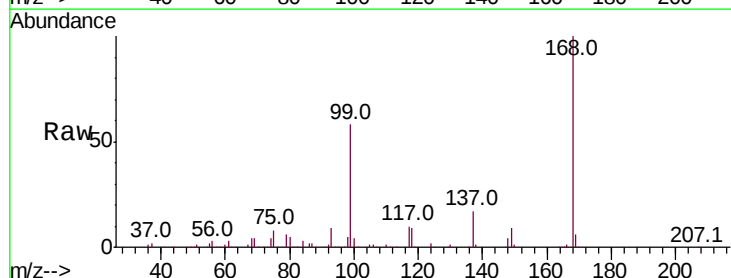
Instrument :
MSVOA_W
ClientSampled :

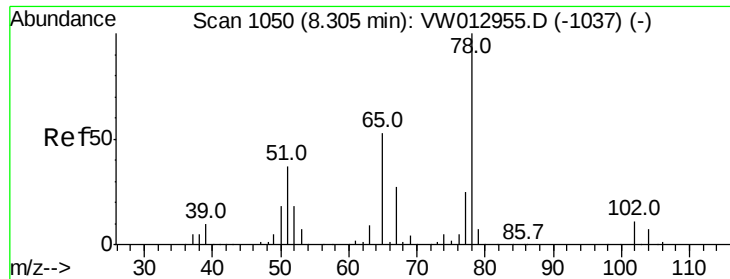
Tot Ion: 42 Resp: 3588
Ion Ratio Lower Upper
42 100
72 36.4 31.4 47.0
71 36.2 29.8 44.8



#31
Cyclohexane
Concen: Below Cal
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012994.D
Acq: 14 Sep 2019 15:30

Tgt Ion: 56 Resp: 6025
Ion Ratio Lower Upper
56 100
69 164.9 27.0 40.6#
84 98.4 66.2 99.2

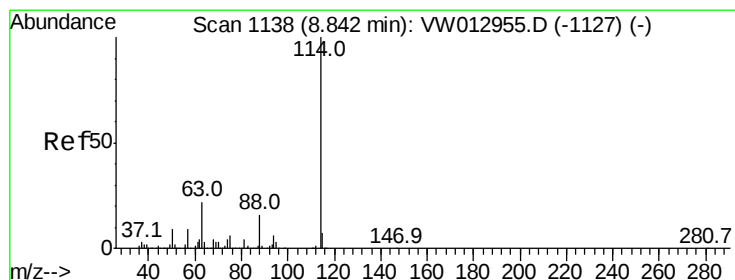
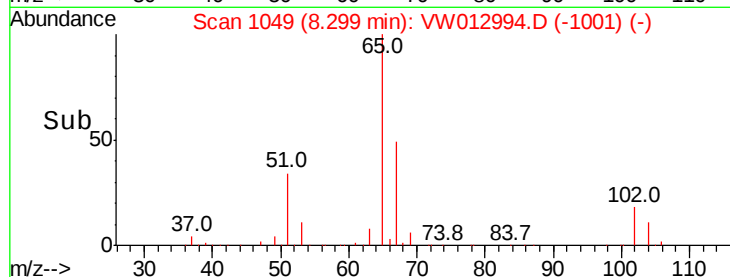
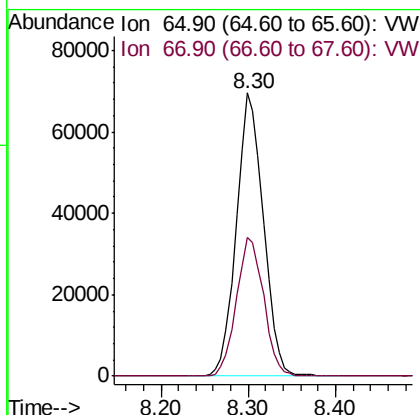
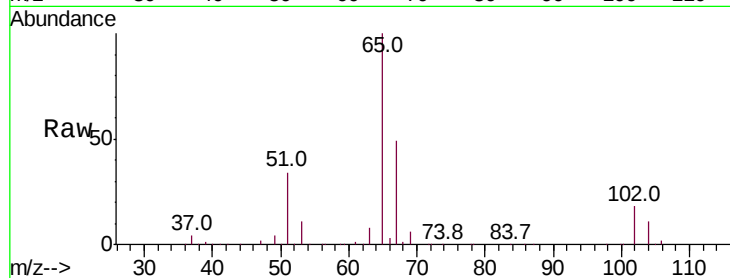




#33
 1,2-Dichloroethane-d4
 Concen: 61.321 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012994.D
 Acq: 14 Sep 2019 15:30

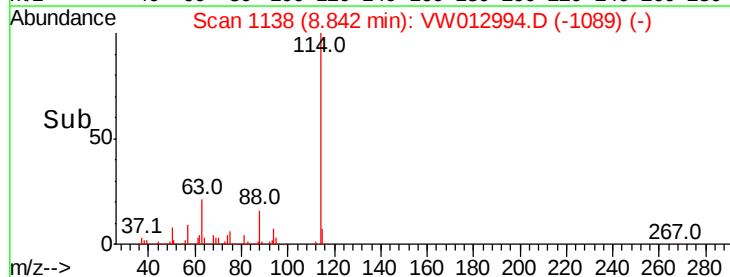
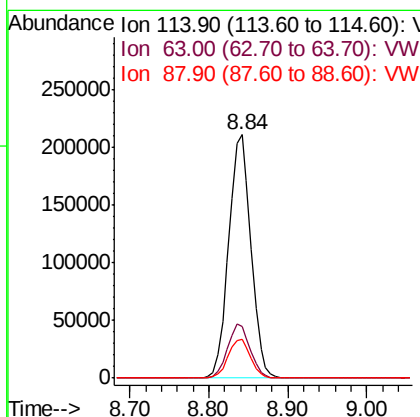
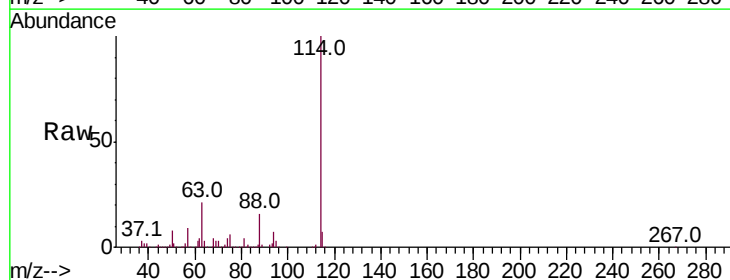
Instrument :
 MSVOA_W
 ClientSampleId :

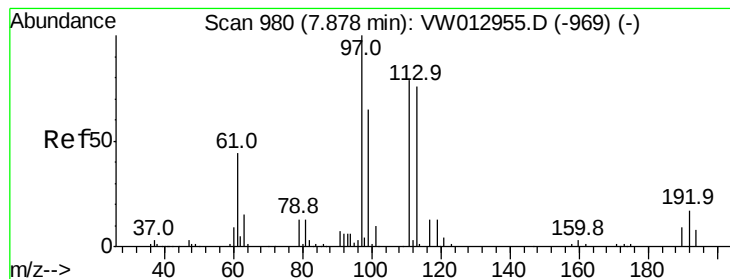
Tot Ion: 65 Resp: 149532
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012994.D
 Acq: 14 Sep 2019 15:30

Tgt Ion: 114 Resp: 414469
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.4
 88 16.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.195 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW012994.D

Acq: 14 Sep 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

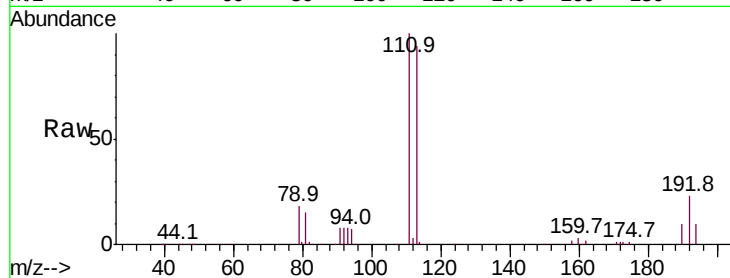
Tot Ion:113 Resp: 119633

Ion Ratio Lower Upper

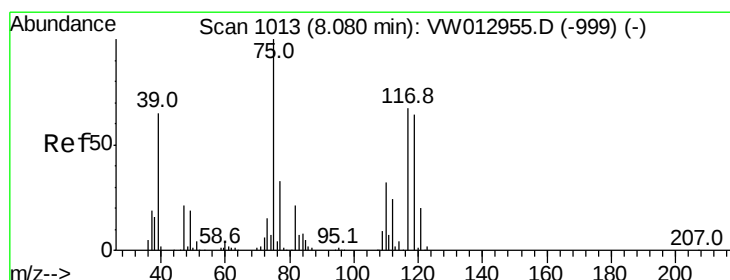
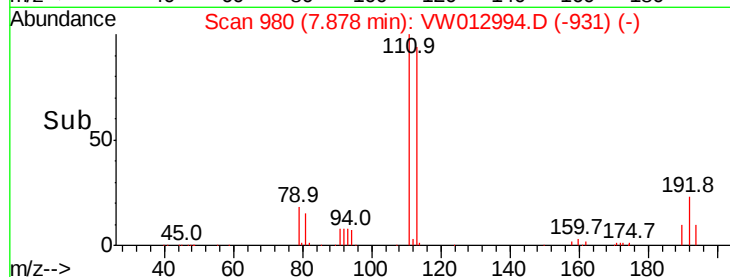
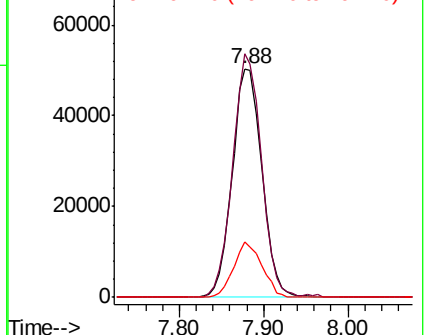
113 100

111 103.0 82.8 124.2

192 23.2 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: 6.398 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012994.D

Acq: 14 Sep 2019 15:30

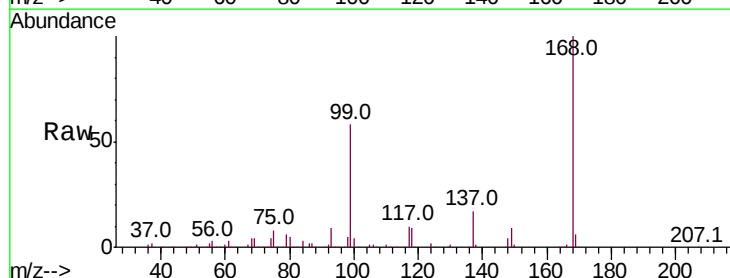
Tgt Ion: 75 Resp: 21190

Ion Ratio Lower Upper

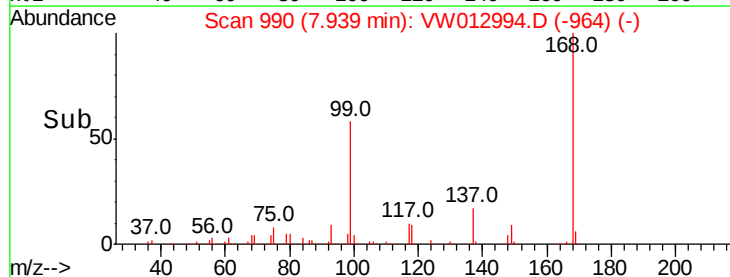
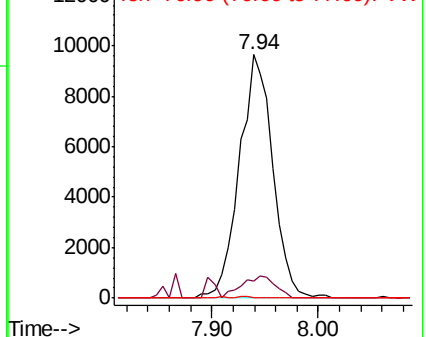
75 100

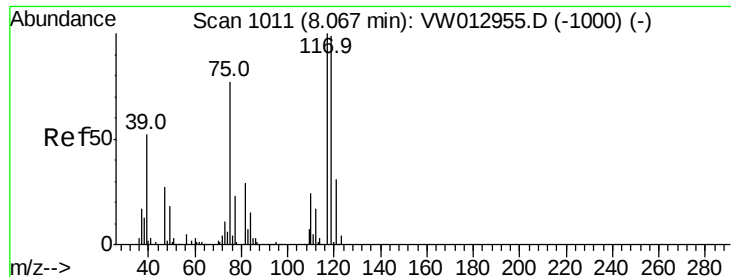
110 9.1 16.4 49.1#

77 0.2 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

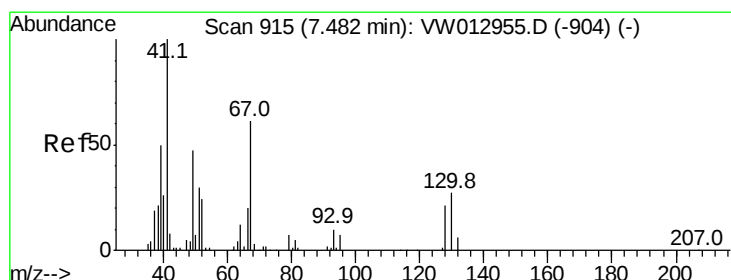
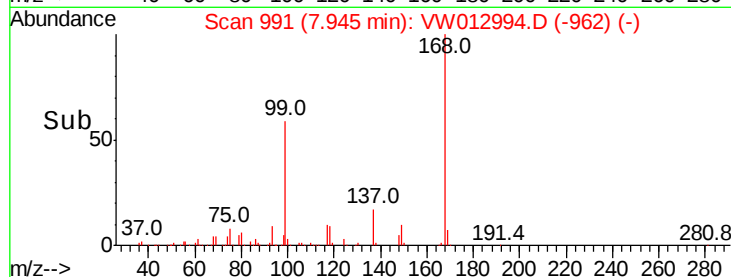
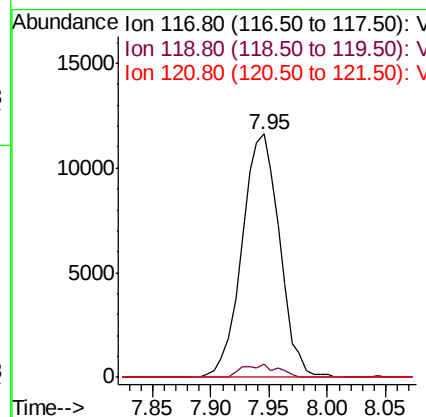
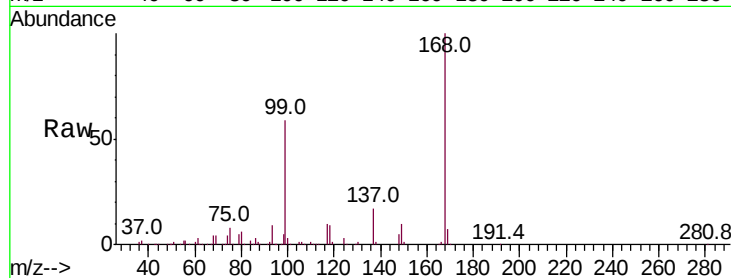




#38
Carbon Tetrachloride
Concen: 7.709 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012994.D
Acq: 14 Sep 2019 15:30

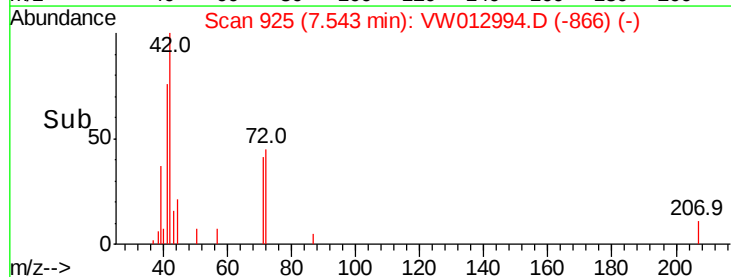
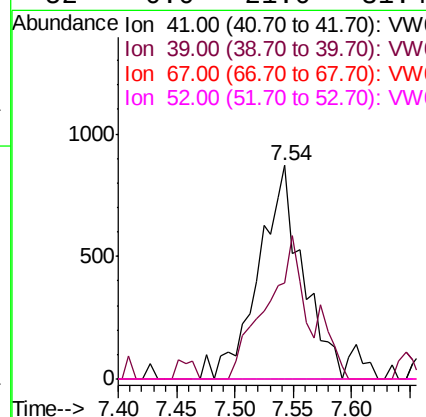
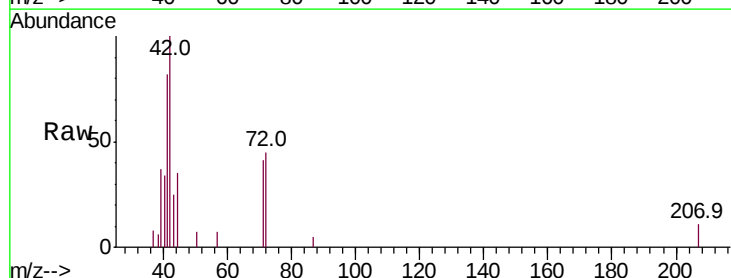
Instrument :
MSVOA_W
ClientSampleId :

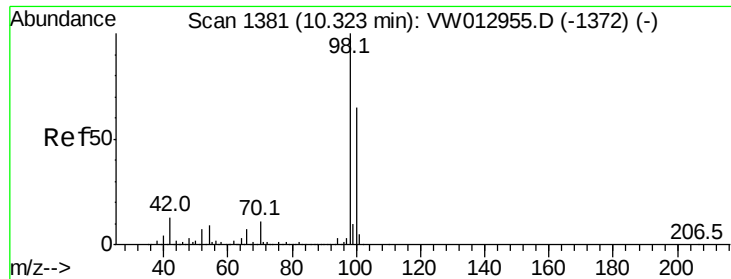
Tot Ion:117 Resp: 26164
Ion Ratio Lower Upper
117 100
119 5.6 79.4 119.0#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 1.982 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012994.D
Acq: 14 Sep 2019 15:30

Tgt Ion: 41 Resp: 2295
Ion Ratio Lower Upper
41 100
39 55.1 48.2 72.4
67 0.0 47.5 71.3#
52 0.0 21.0 31.4#

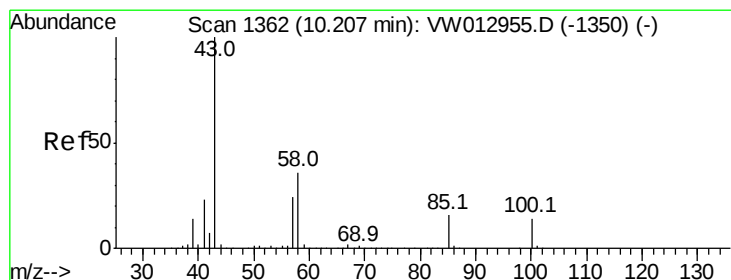
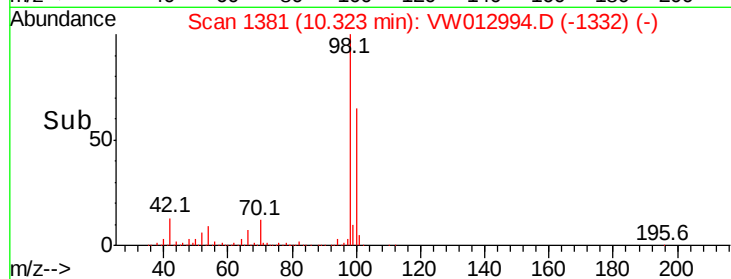
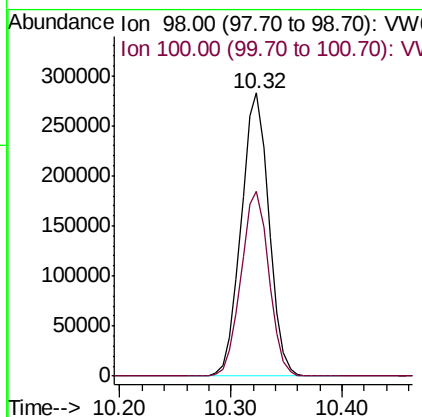
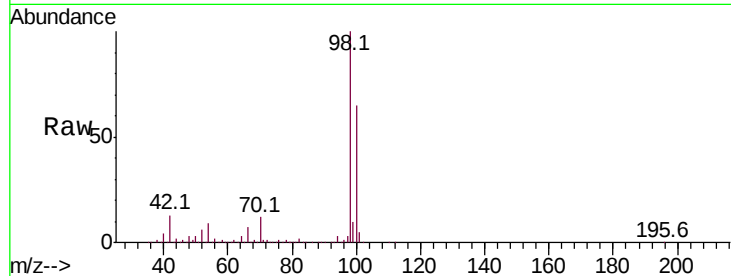




#50
Toluene-d8
Concen: 55.579 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012994.D
Acq: 14 Sep 2019 15:30

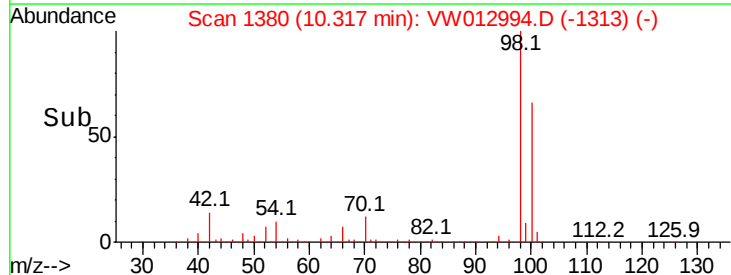
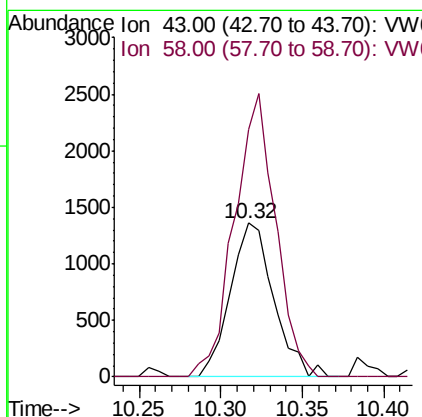
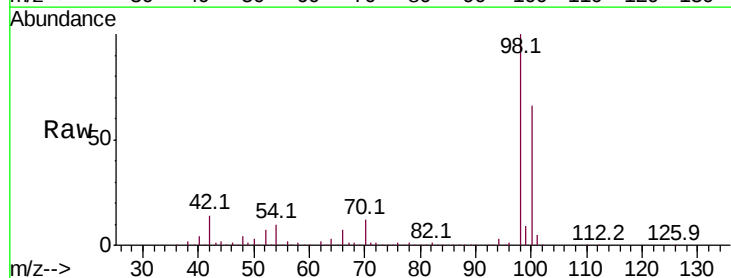
Instrument :
MSVOA_W
ClientSampled :

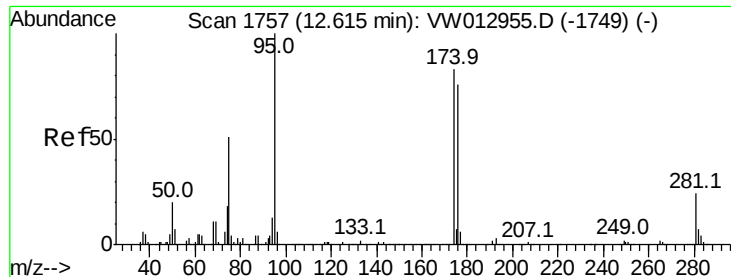
Tot Ion: 98 Resp: 489118
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.446 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. 0.11 min
Lab File: VW012994.D
Acq: 14 Sep 2019 15:30

Tgt Ion: 43 Resp: 2519
Ion Ratio Lower Upper
43 100
58 175.2 29.5 44.3#

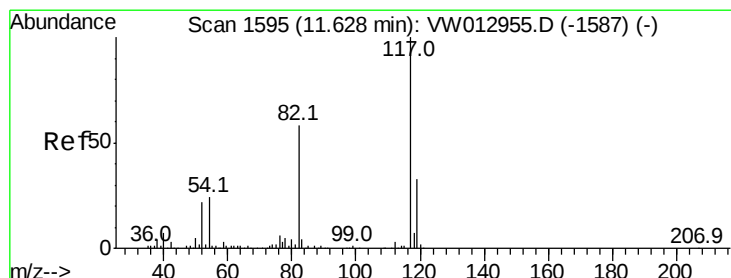
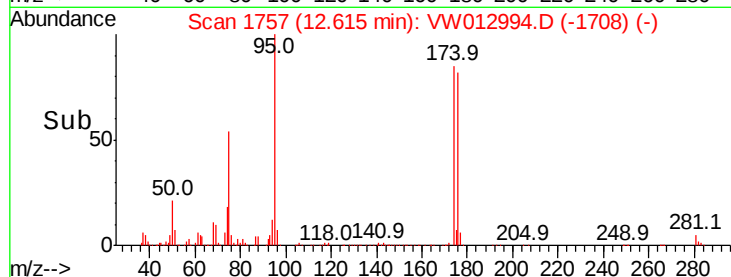
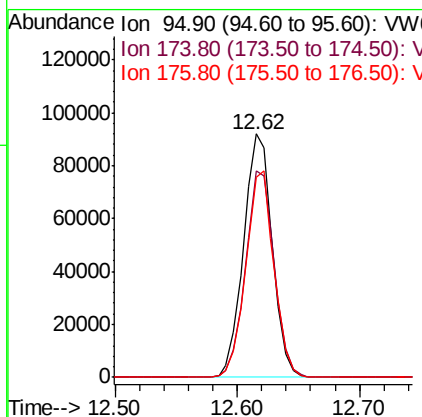
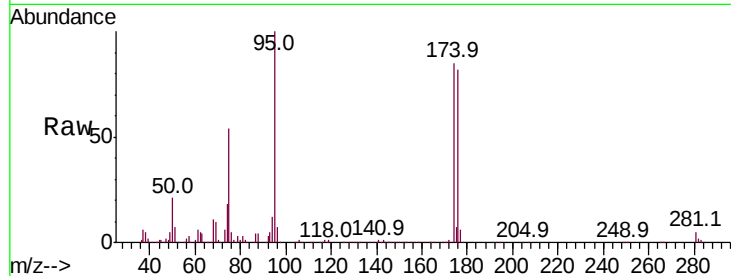




#62
4-Bromofluorobenzene
Concen: 47.332 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012994.D
Acq: 14 Sep 2019 15:30

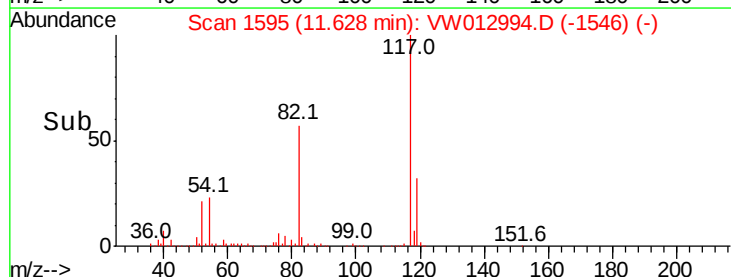
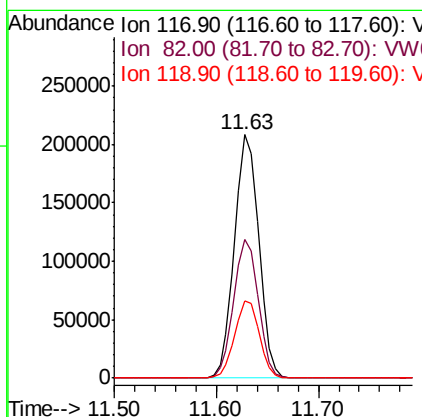
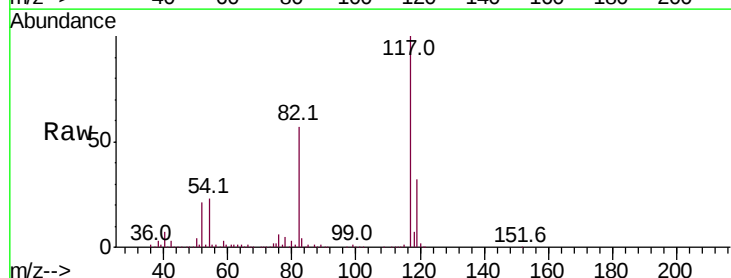
Instrument :
MSVOA_W
ClientSampleId :

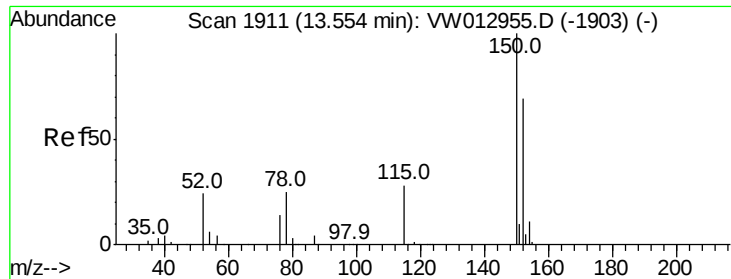
Tot Ion: 95 Resp: 149780
Ion Ratio Lower Upper
95 100
174 85.3 0.0 170.4
176 83.1 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012994.D
Acq: 14 Sep 2019 15:30

Tgt Ion: 117 Resp: 344226
Ion Ratio Lower Upper
117 100
82 57.1 46.3 69.5
119 31.6 26.2 39.4



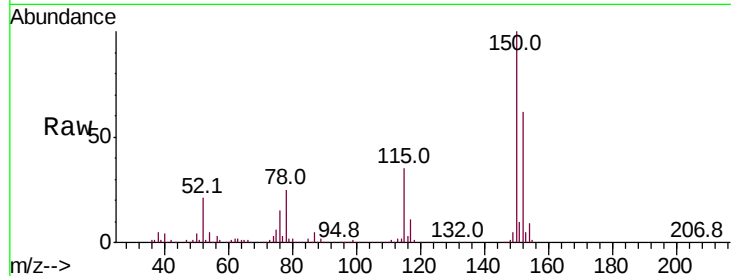


#72

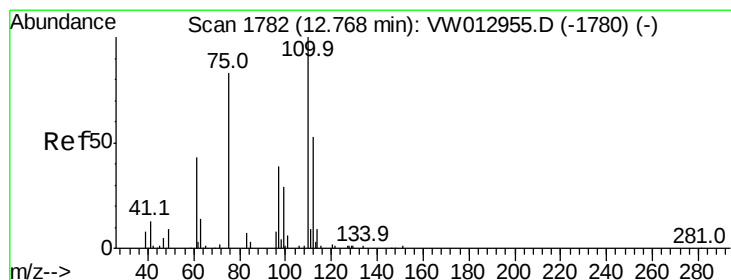
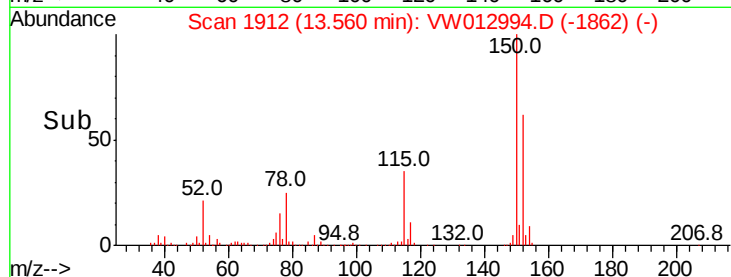
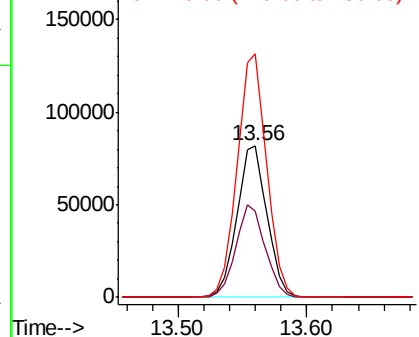
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW012994.D
Acq: 14 Sep 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.7	28.8	86.4
150	158.4	0.0	340.2



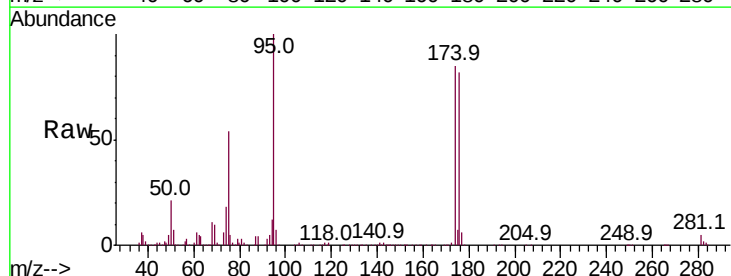
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



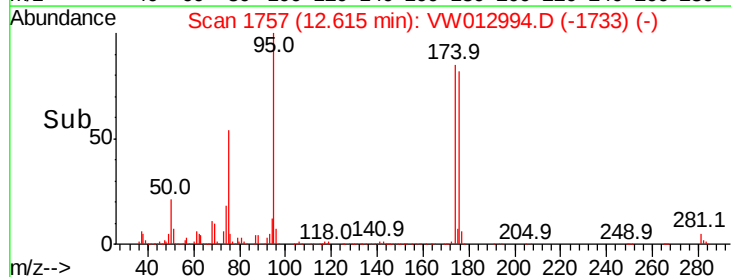
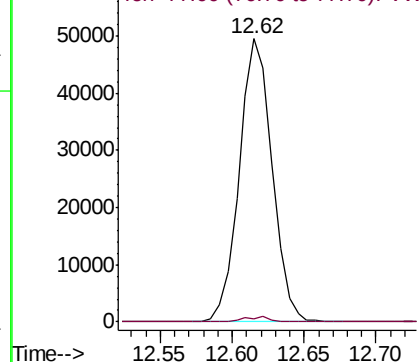
#76

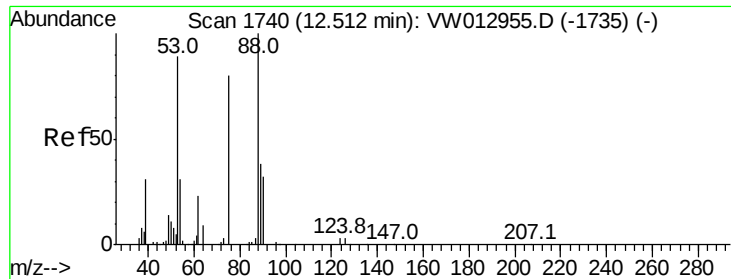
1,2,3-Trichloropropane
Concen: 67.690 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012994.D
Acq: 14 Sep 2019 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 153.554 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012994.D

Acq: 14 Sep 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

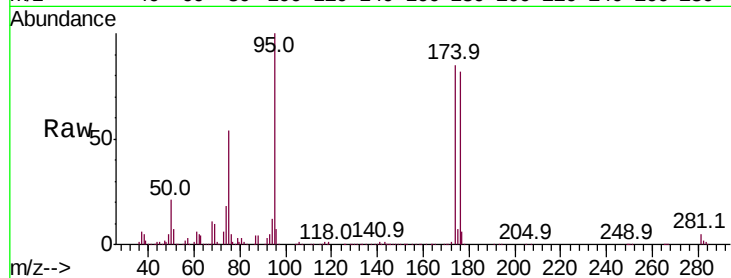
Tot Ion: 75 Resp: 78427

Ion Ratio Lower Upper

75 100

53 0.2 85.6 128.4#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

