

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW012992.D
 Acq On : 14 Sep 2019 14:38
 Operator : SY/VA
 Sample : K4719-14RE
 Misc : 4.64G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:52:40 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	288666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	435401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	370031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	157982	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	156526	58.71	ug/l	0.00
Spiked Amount			Recovery	=	117.42%	
35) Dibromofluoromethane	7.88	113	131147	55.51	ug/l	0.00
Spiked Amount			Recovery	=	111.02%	
50) Toluene-d8	10.32	98	513725	55.57	ug/l	0.00
Spiked Amount			Recovery	=	111.14%	
62) 4-Bromofluorobenzene	12.62	95	157804	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	

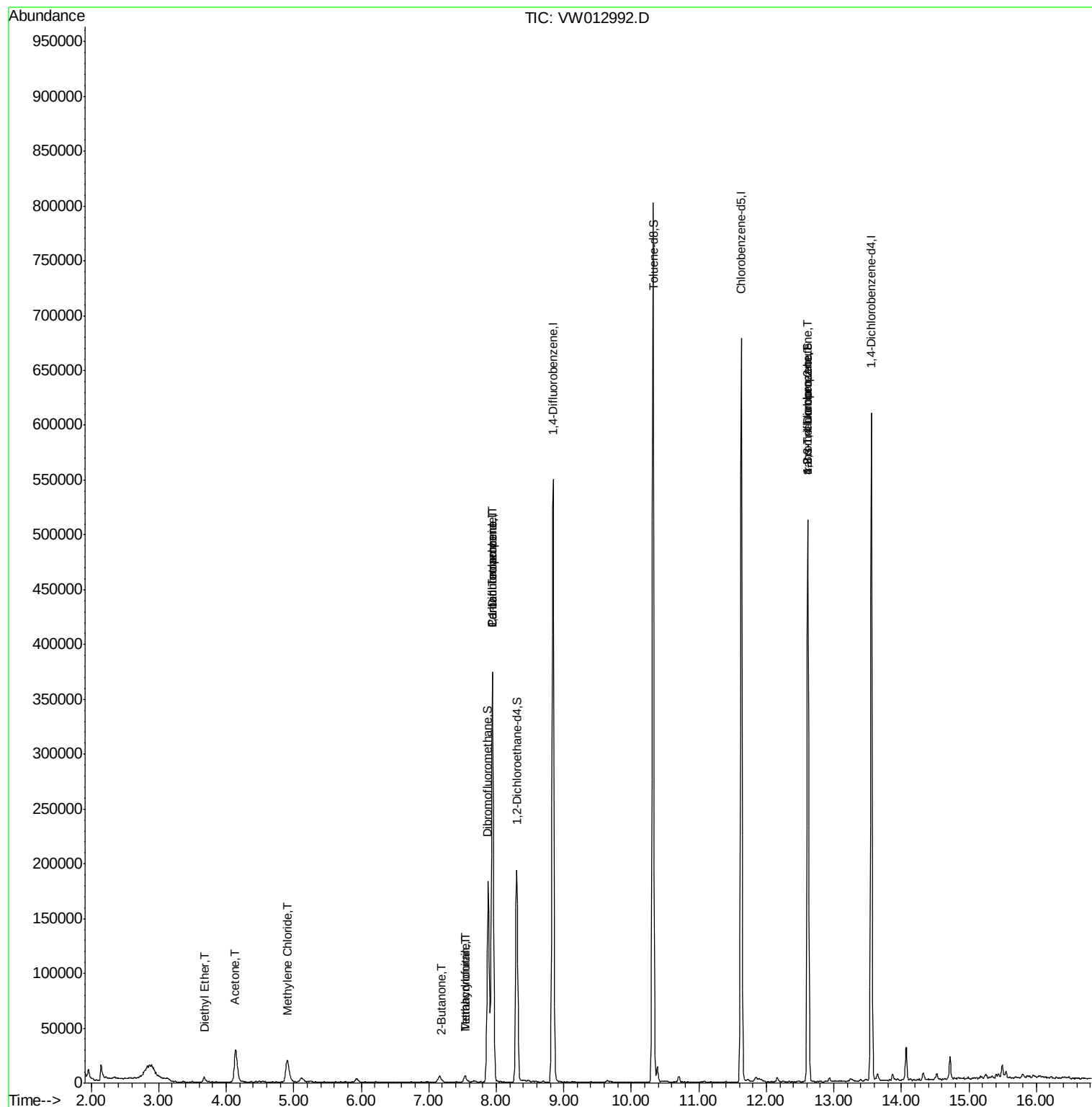
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	214	Below Cal	#	41
8) Diethyl Ether	3.67	74	2178	1.931	ug/l	94
11) Tert butyl alcohol	5.12	59	3820	Below Cal	#	72
13) Acrolein	3.92	56	31	Below Cal	#	15
16) Acetone	4.14	43	63111	97.142	ug/l	98
20) Methylene Chloride	4.91	84	16420	2.719	ug/l	99
25) 2-Butanone	7.20	43	1617	1.907	ug/l #	82
26) 2,2-Dichloropropane	7.17	77	387	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	5540	11.469	ug/l	99
31) Cyclohexane	7.93	56	6357	Below Cal	#	31
36) 1,1-Dichloropropene	7.94	75	22011	6.326	ug/l #	51
38) Carbon Tetrachloride	7.94	117	28220	7.915	ug/l #	15
41) Methacrylonitrile	7.54	41	3280	2.697	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	85256	61.610	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85256	139.761	ug/l #	7

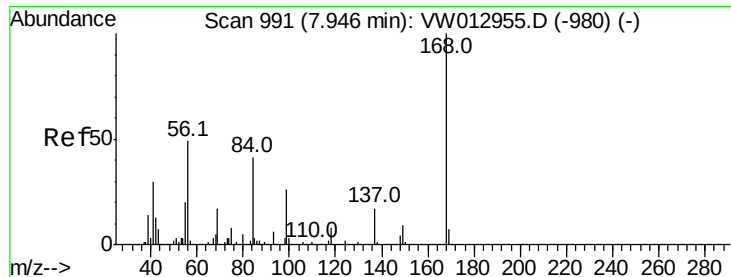
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012992.D

Acq: 14 Sep 2019 14:38

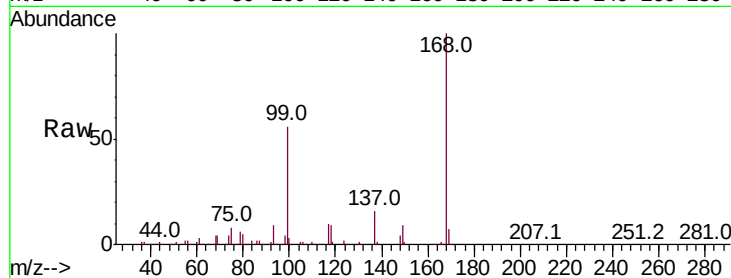
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 288666

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

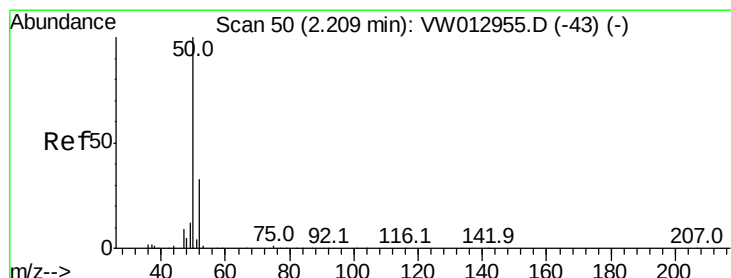
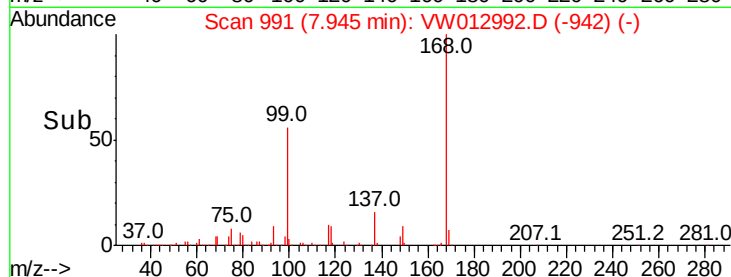
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW012992.D

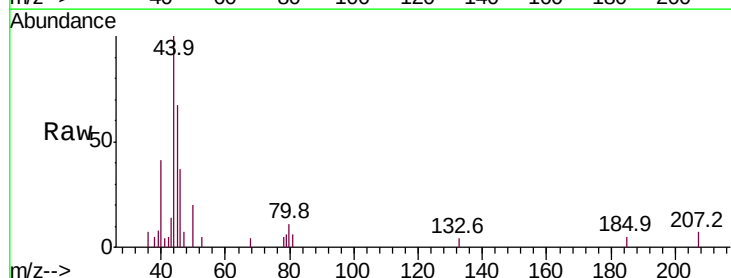
Acq: 14 Sep 2019 14:38

Tgt Ion: 50 Resp: 214

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.20

300

250

200

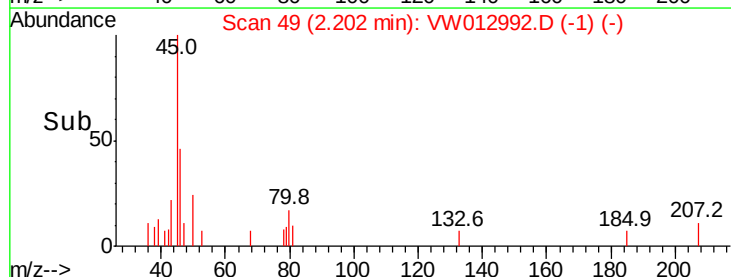
150

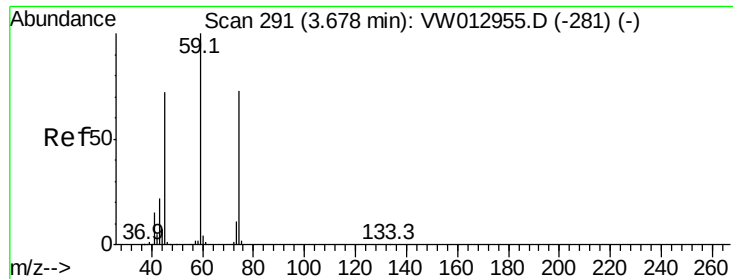
100

50

0

Time-->





#8

Diethyl Ether

Concen: 1.931 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012992.D

Acq: 14 Sep 2019 14:38

Instrument :

MSVOA_W

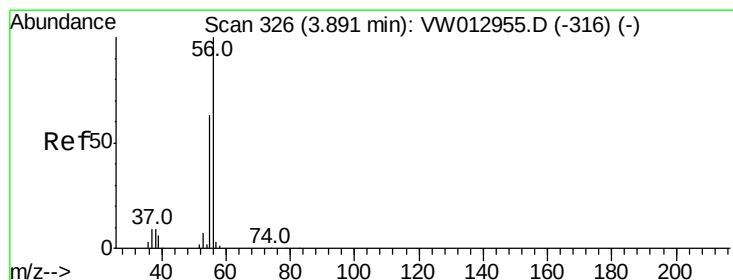
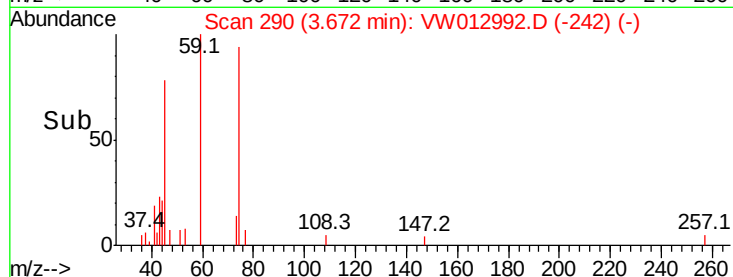
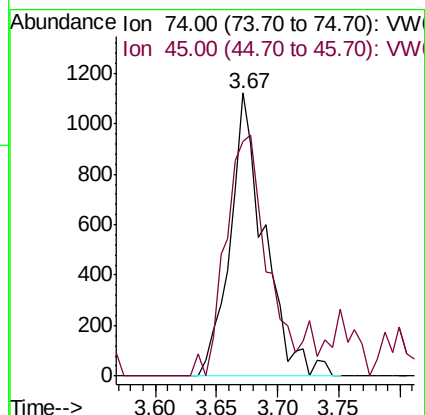
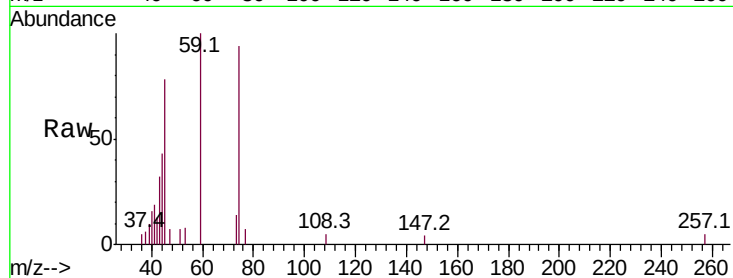
ClientSampled :

Tot Ion: 74 Resp: 2178

Ion Ratio Lower Upper

74 100

45 101.4 53.8 161.4



#13

Acrolein

Concen: Below Cal

RT: 3.92 min Scan# 331

Delta R.T. 0.03 min

Lab File: VW012992.D

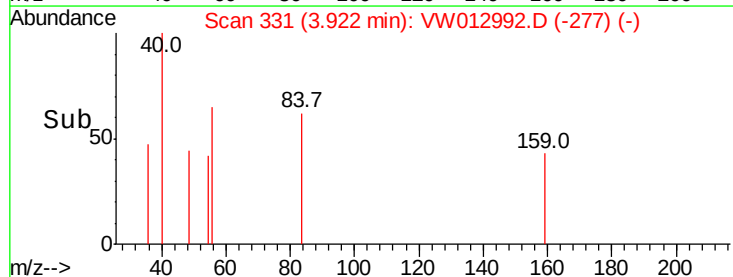
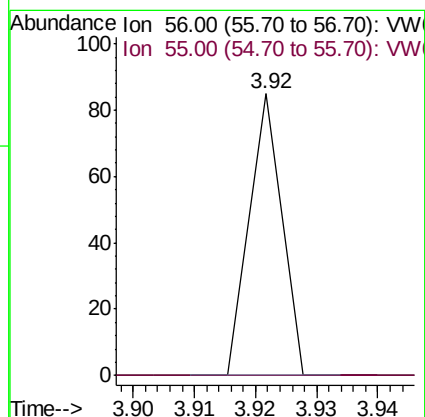
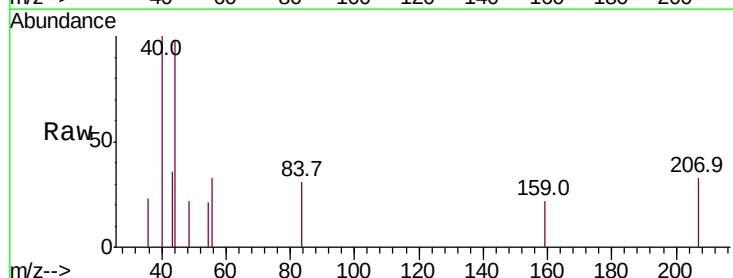
Acq: 14 Sep 2019 14:38

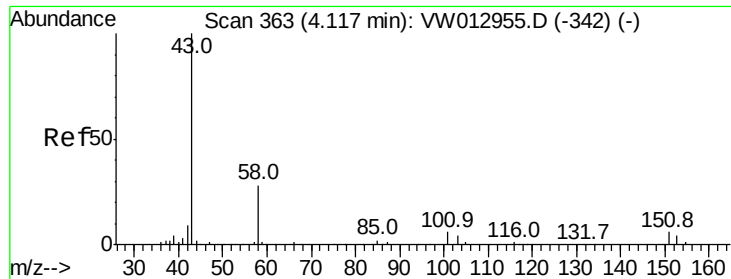
Tgt Ion: 56 Resp: 31

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#

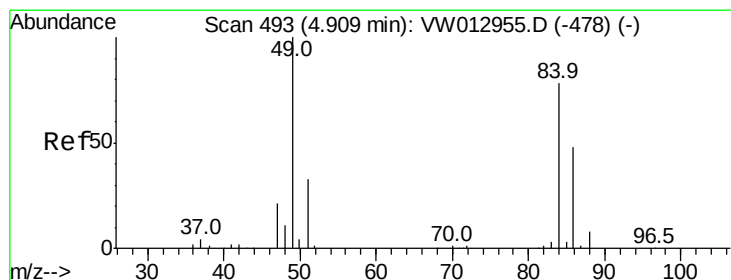
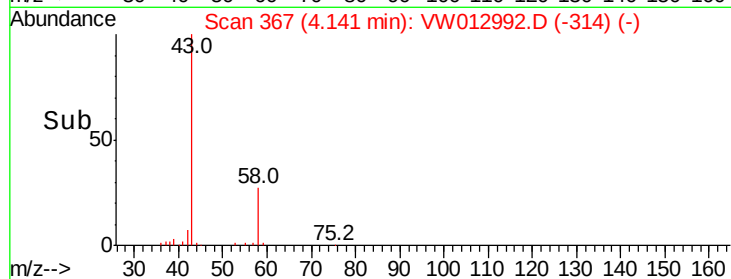
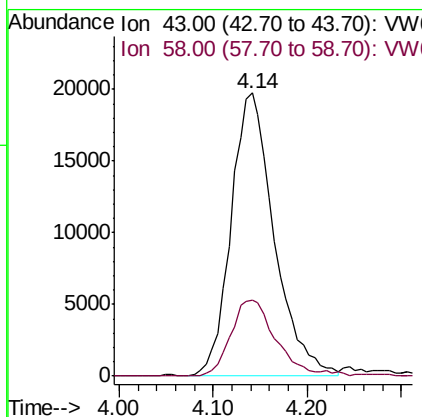
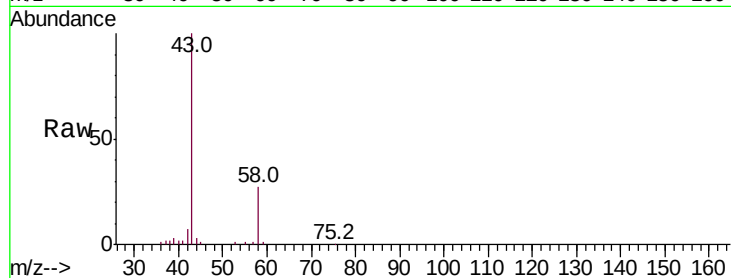




#16
Acetone
Concen: 97.142 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.03 min
Lab File: VW012992.D
Acq: 14 Sep 2019 14:38

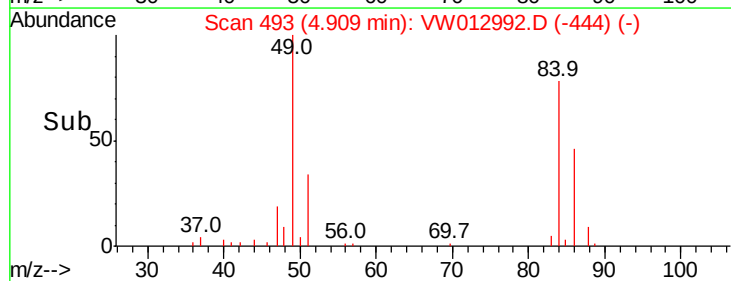
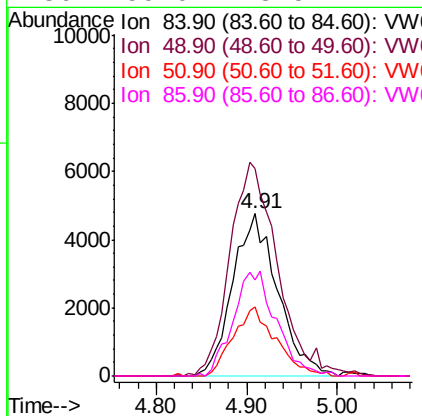
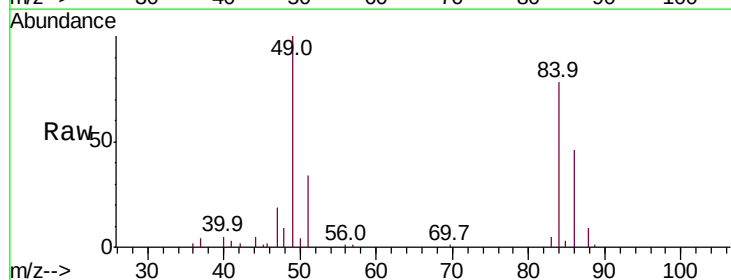
Instrument :
MSVOA_W
ClientSampled :

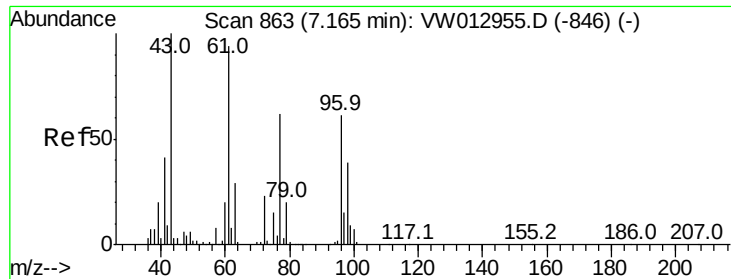
Tot Ion: 43 Resp: 63111
Ion Ratio Lower Upper
43 100
58 26.9 22.3 33.5



#20
Methylene Chloride
Concen: 2.719 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW012992.D
Acq: 14 Sep 2019 14:38

Tgt Ion: 84 Resp: 16420
Ion Ratio Lower Upper
84 100
49 125.9 102.0 153.0
51 43.0 34.0 51.0
86 59.0 48.5 72.7





#25

2-Butanone

Concen: 1.907 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.03 min

Lab File: VW012992.D

Acq: 14 Sep 2019 14:38

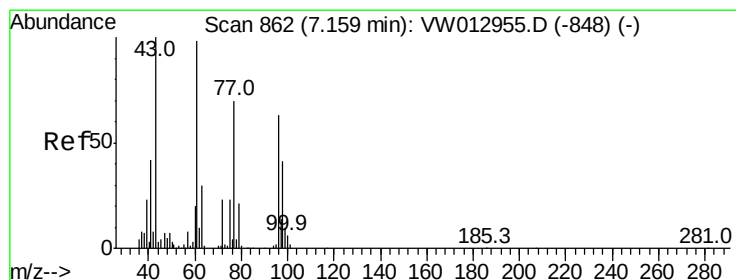
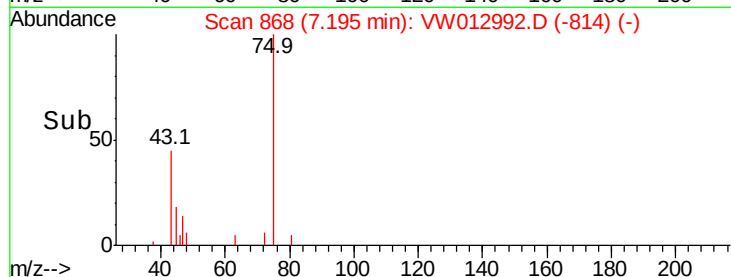
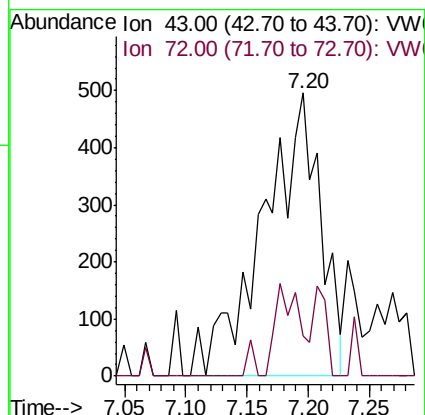
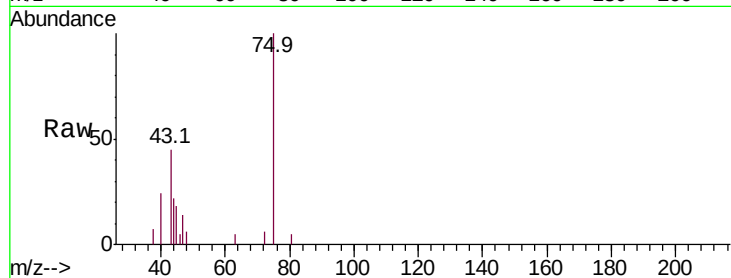
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1617

Ion Ratio Lower Upper

43 100

72 14.3 18.2 27.4#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012992.D

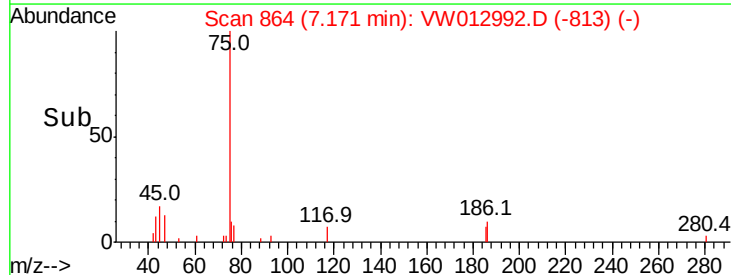
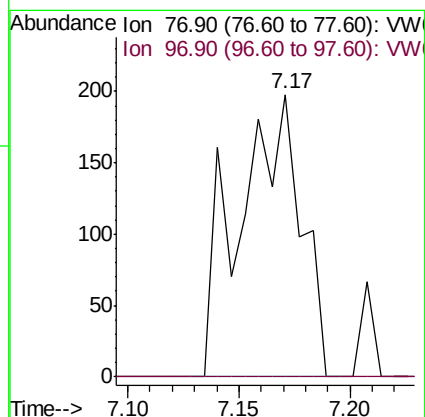
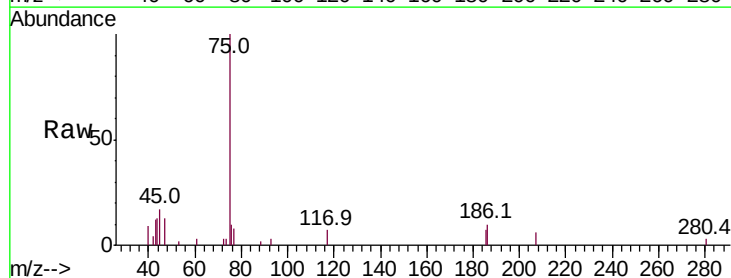
Acq: 14 Sep 2019 14:38

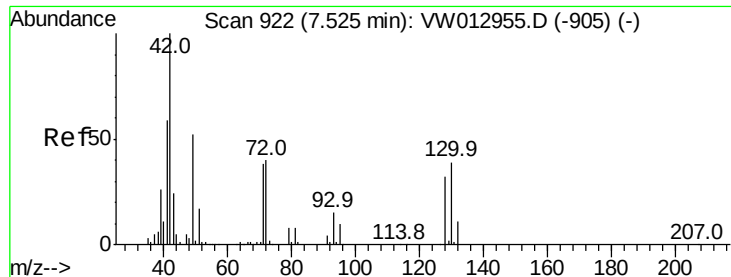
Tgt Ion: 77 Resp: 387

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#

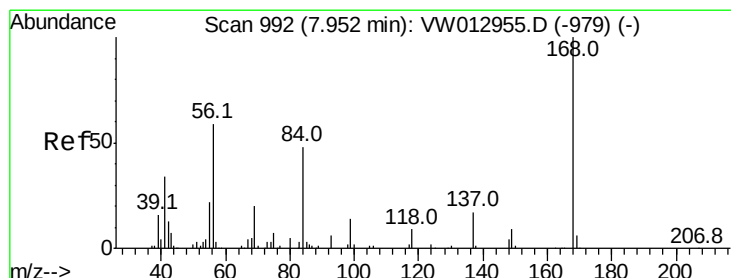
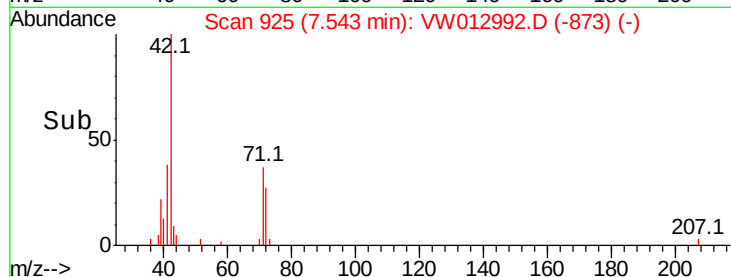
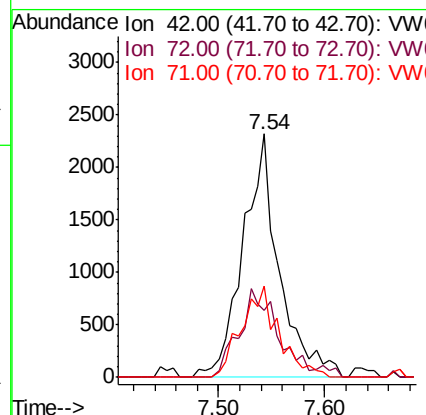
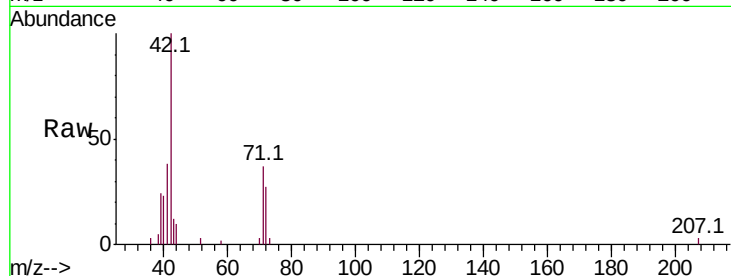




#29
Tetrahydrofuran
Concen: 11.469 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW012992.D
Acq: 14 Sep 2019 14:38

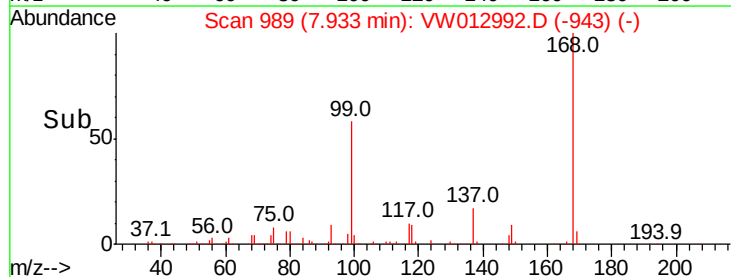
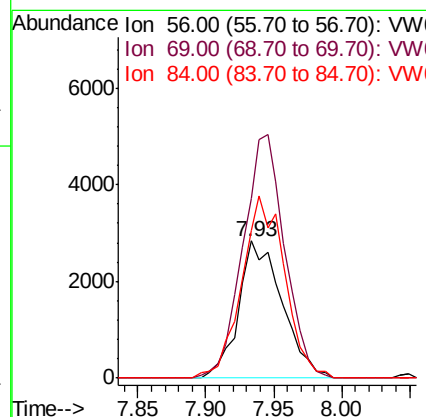
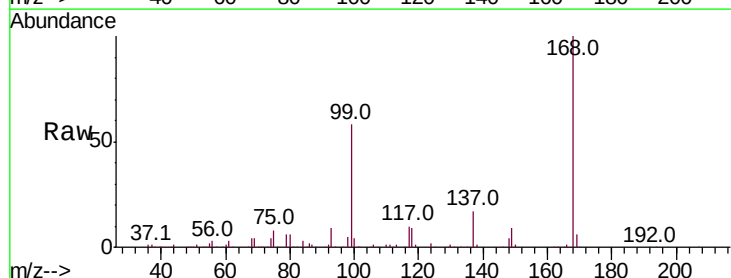
Instrument :
MSVOA_W
ClientSampled :

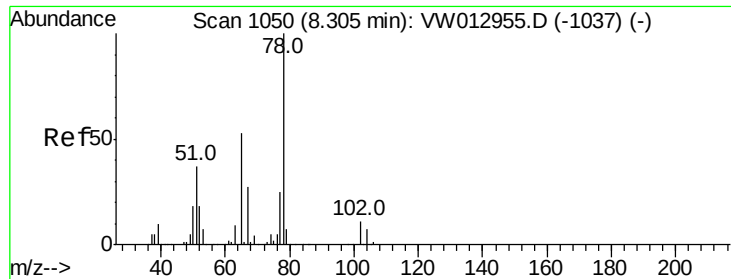
Tot Ion: 42 Resp: 5540
Ion Ratio Lower Upper
42 100
72 39.1 31.4 47.0
71 38.5 29.8 44.8



#31
Cyclohexane
Concen: Below Cal
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW012992.D
Acq: 14 Sep 2019 14:38

Tgt Ion: 56 Resp: 6357
Ion Ratio Lower Upper
56 100
69 130.9 27.0 40.6#
84 107.4 66.2 99.2#





#33

1,2-Dichloroethane-d4

Concen: 58.711 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012992.D

Acq: 14 Sep 2019 14:38

Instrument :

MSVOA_W

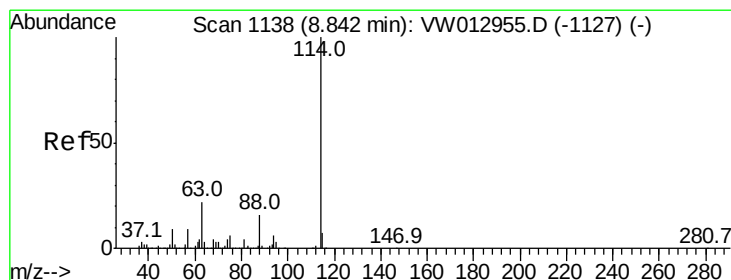
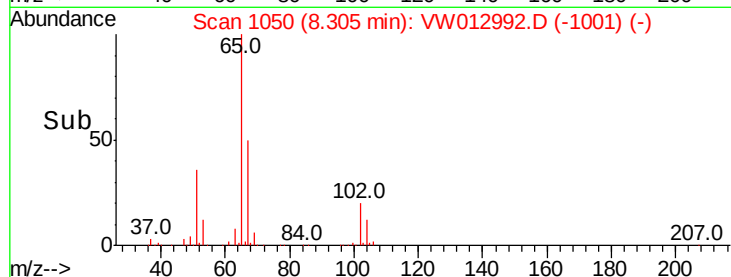
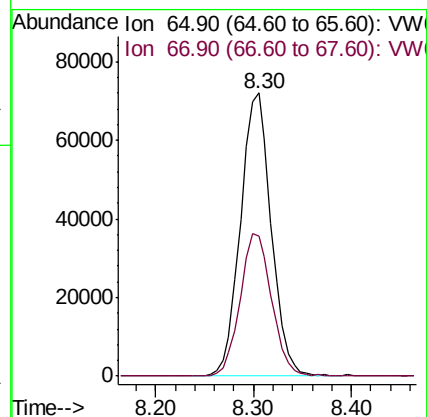
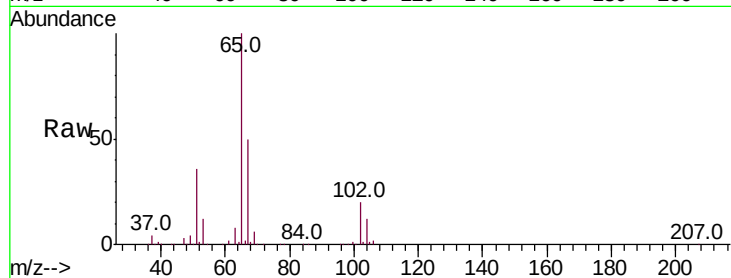
ClientSampleId :

Tot Ion: 65 Resp: 156526

Ion Ratio Lower Upper

65 100

67 51.7 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: VW012992.D

Acq: 14 Sep 2019 14:38

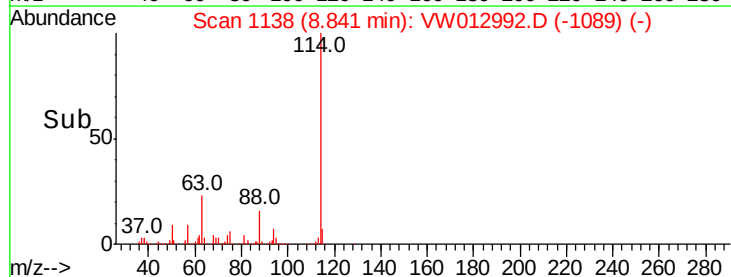
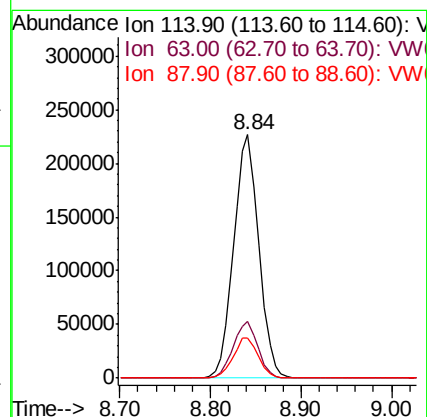
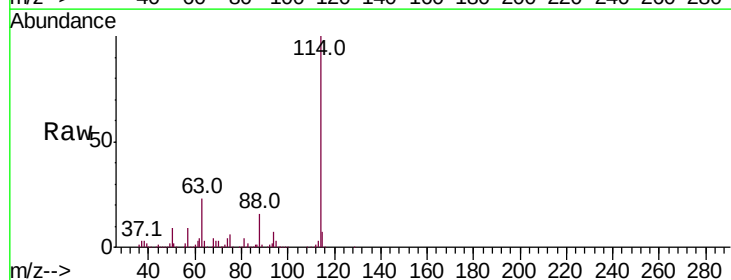
Tgt Ion: 114 Resp: 435401

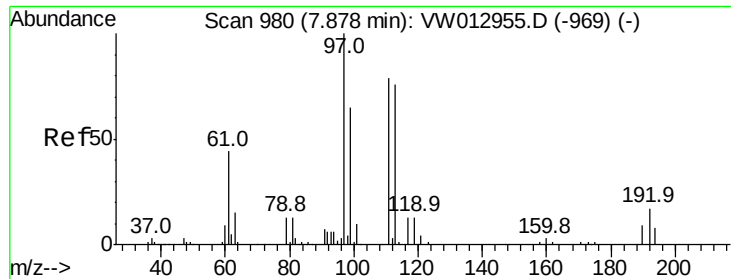
Ion Ratio Lower Upper

114 100

63 23.1 0.0 43.4

88 16.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 55.511 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW012992.D

Acq: 14 Sep 2019 14:38

Instrument :
MSVOA_W
ClientSampleId :

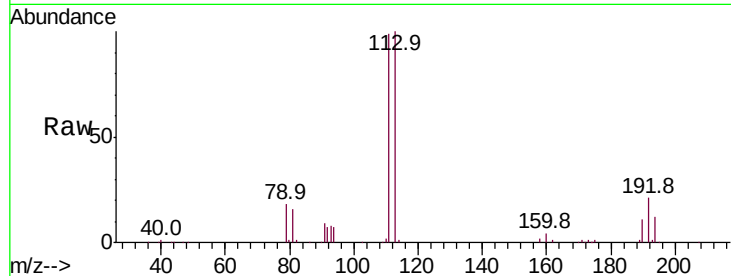
Tot Ion:113 Resp: 131147

Ion Ratio Lower Upper

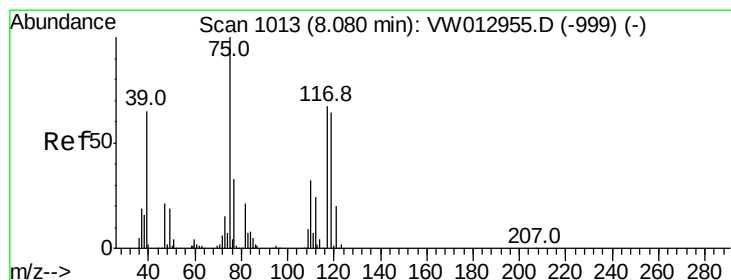
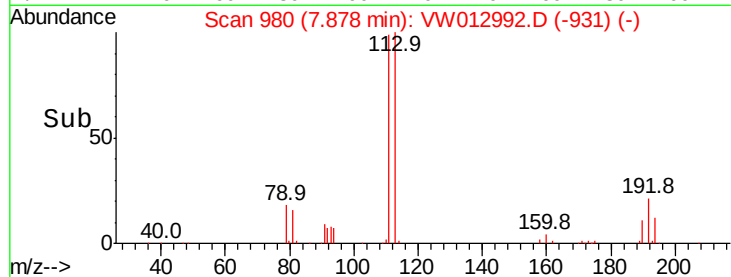
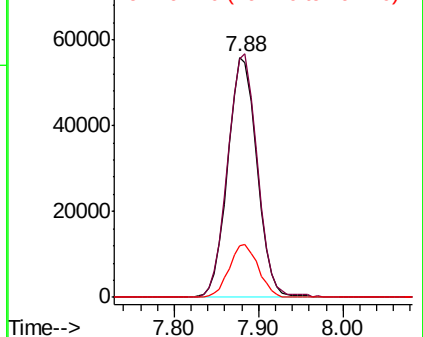
113 100

111 102.5 82.8 124.2

192 22.0 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: 6.326 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012992.D

Acq: 14 Sep 2019 14:38

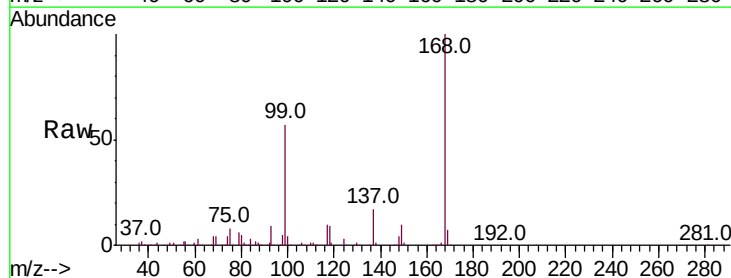
Tgt Ion: 75 Resp: 22011

Ion Ratio Lower Upper

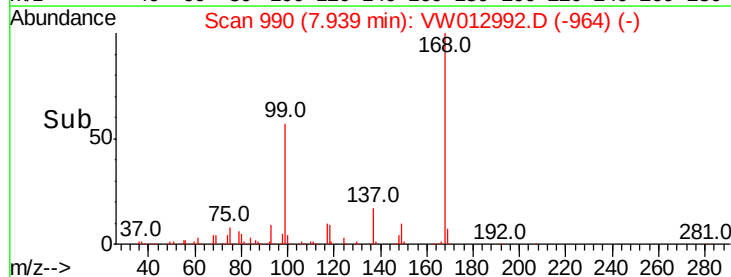
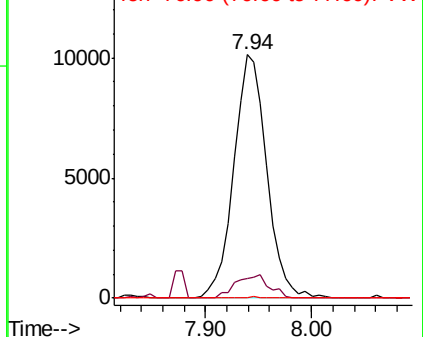
75 100

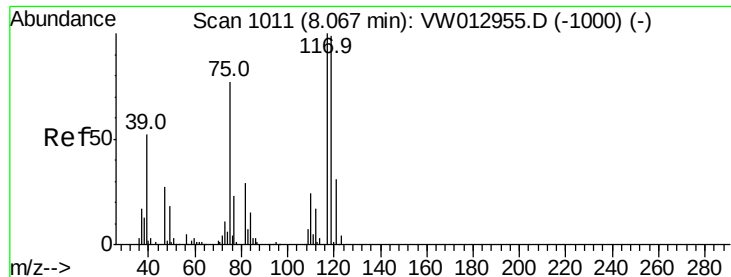
110 9.7 16.4 49.1#

77 0.1 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

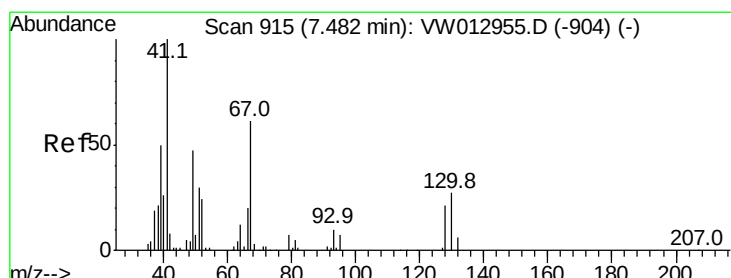
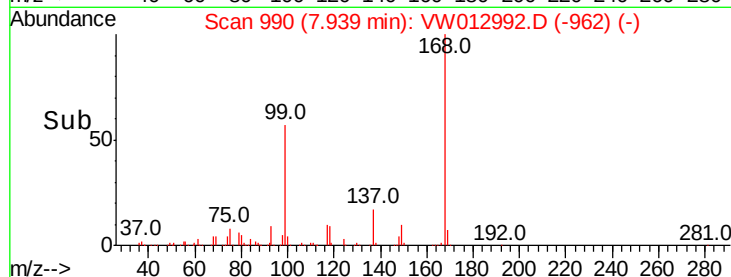
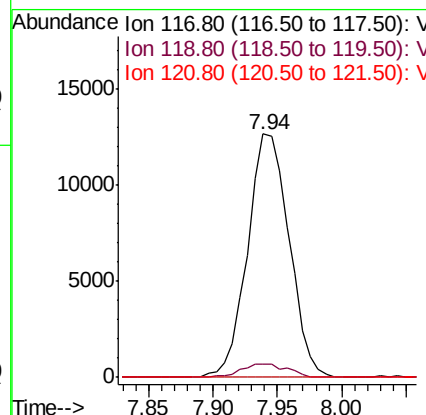
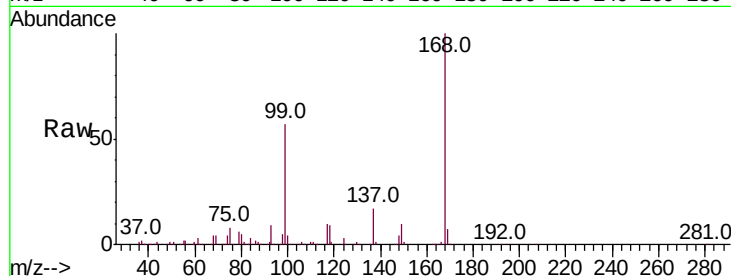




#38
Carbon Tetrachloride
Concen: 7.915 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW012992.D
Acq: 14 Sep 2019 14:38

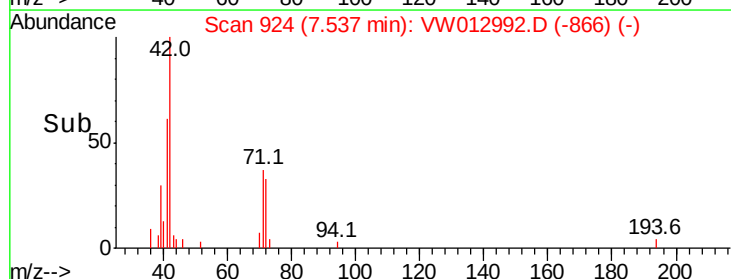
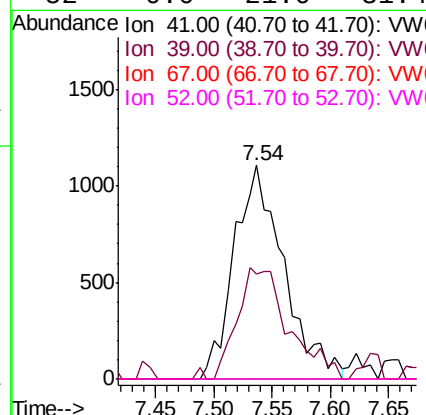
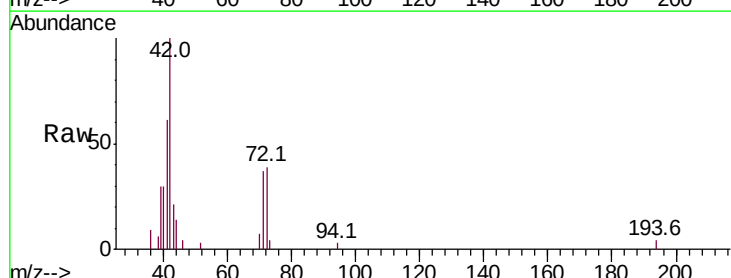
Instrument :
MSVOA_W
ClientSampleId :

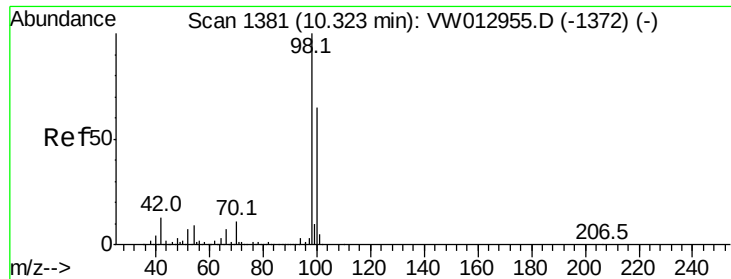
Tot Ion:117 Resp: 28220
Ion Ratio Lower Upper
117 100
119 5.4 79.4 119.0#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 2.697 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012992.D
Acq: 14 Sep 2019 14:38

Tgt Ion: 41 Resp: 3280
Ion Ratio Lower Upper
41 100
39 53.8 48.2 72.4
67 0.0 47.5 71.3#
52 0.0 21.0 31.4#

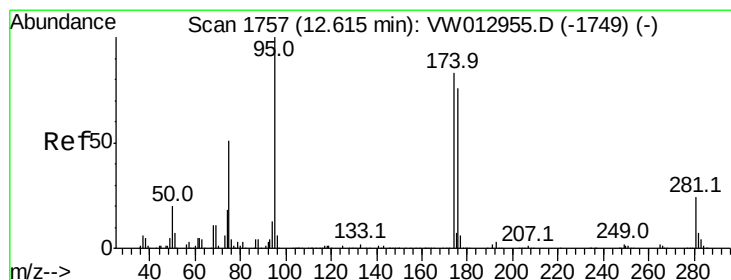
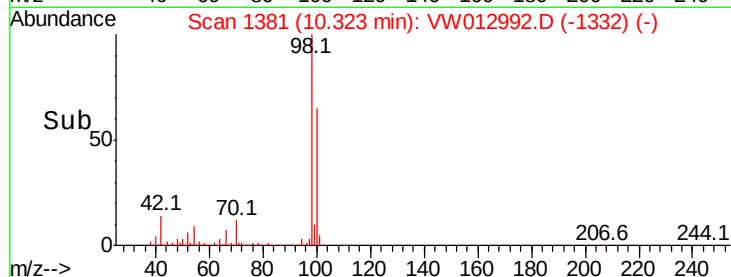
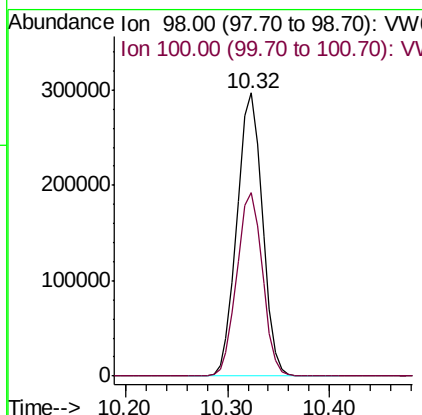
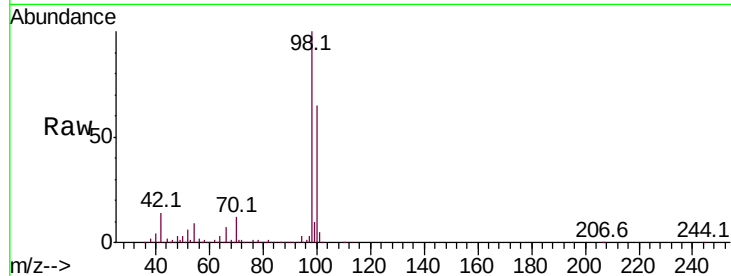




#50
Toluene-d8
Concen: 55.569 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012992.D
Acq: 14 Sep 2019 14:38

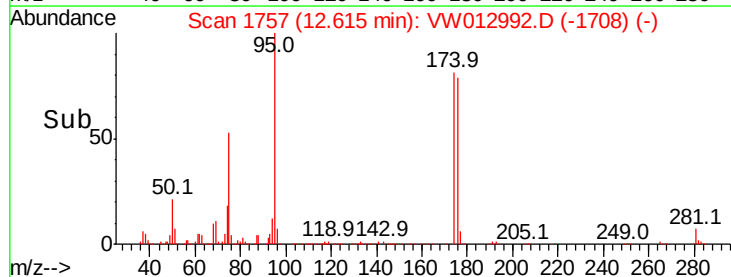
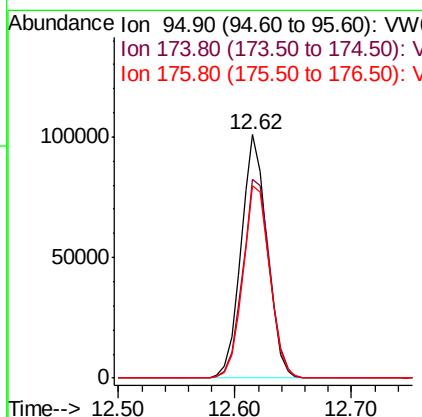
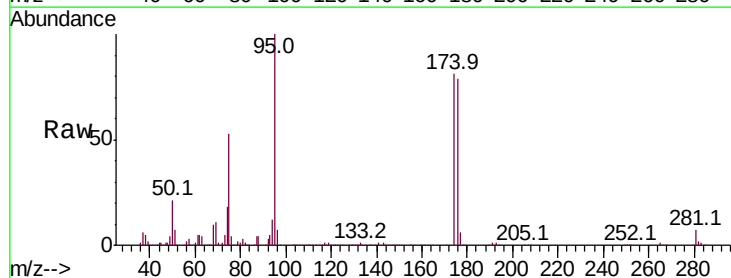
Instrument :
MSVOA_W
ClientSampleId :

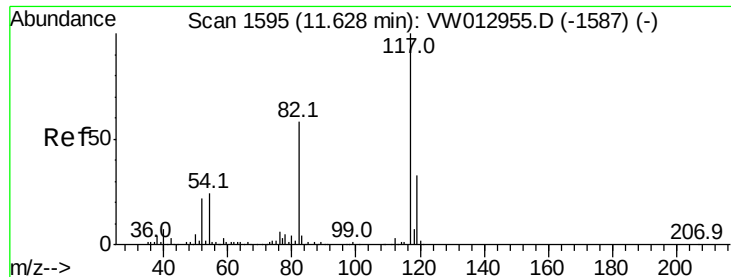
Tot Ion: 98 Resp: 513725
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.470 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012992.D
Acq: 14 Sep 2019 14:38

Tgt Ion: 95 Resp: 157804
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.4
176 81.7 0.0 164.6

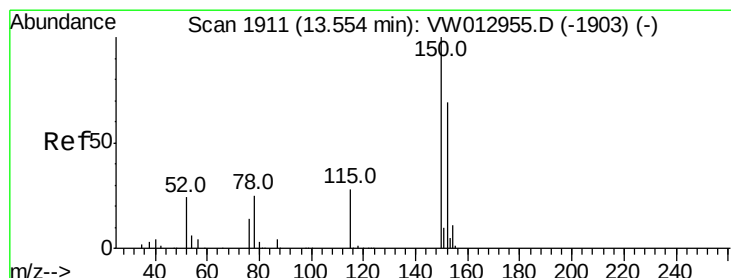
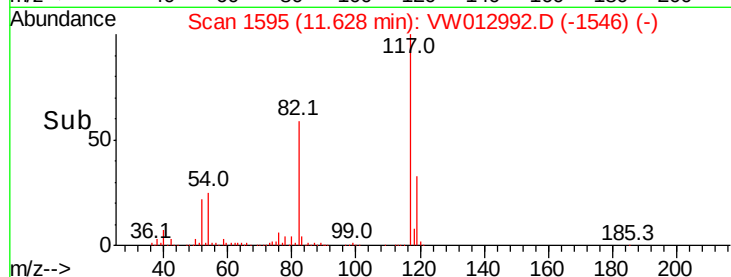
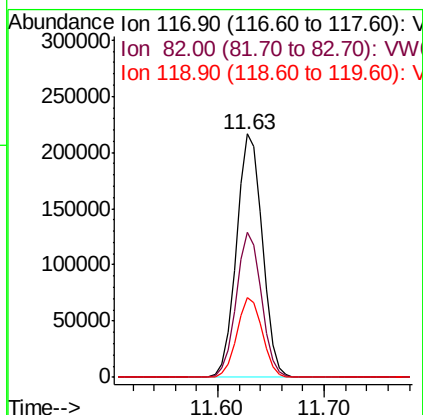
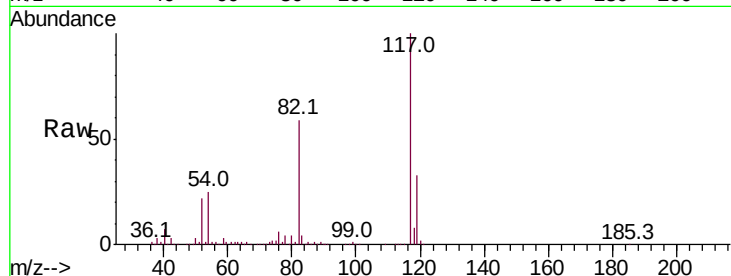




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012992.D
Acq: 14 Sep 2019 14:38

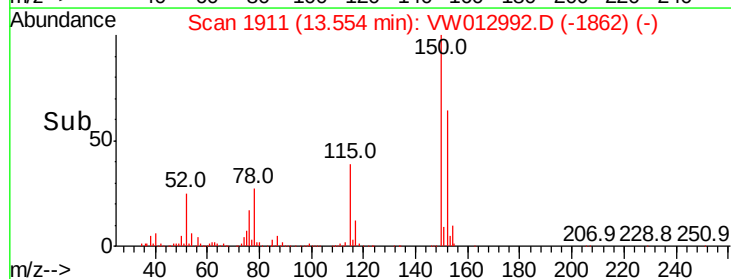
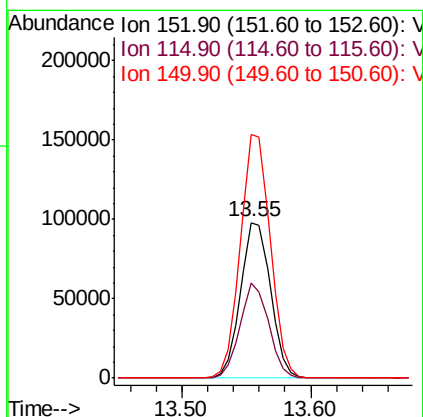
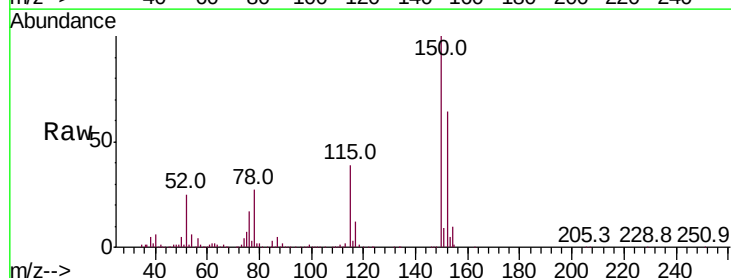
Instrument :
MSVOA_W
ClientSampleId :

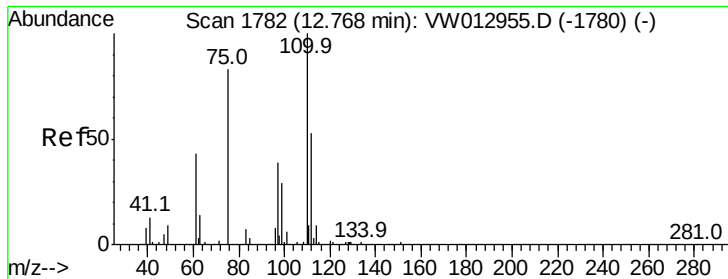
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	46.3	69.5
119	32.9	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW012992.D
Acq: 14 Sep 2019 14:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.8	86.4
150	156.4	0.0	340.2





#76

1,2,3-Trichloropropane

Concen: 61.610 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012992.D

Acq: 14 Sep 2019 14:38

Instrument :

MSVOA_W

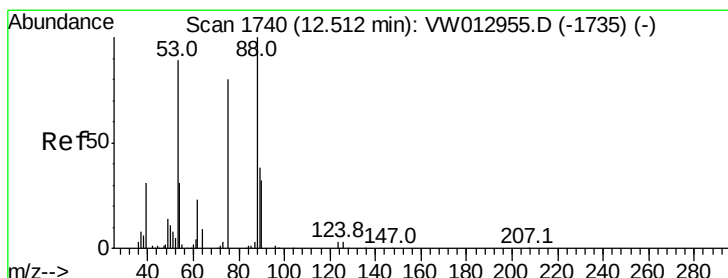
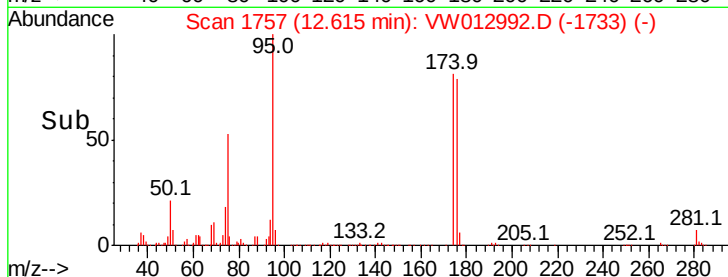
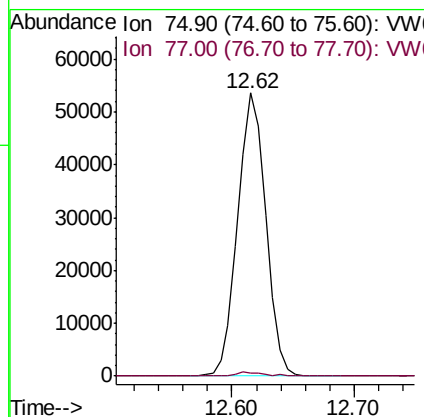
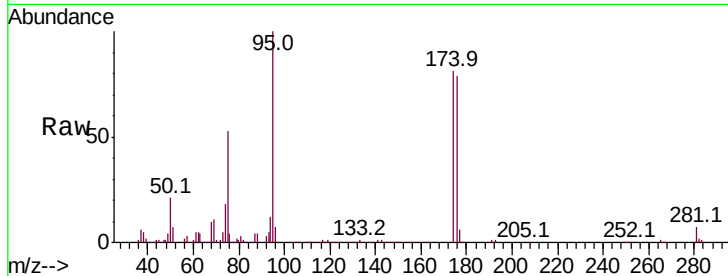
ClientSampleId :

Tot Ion: 75 Resp: 85256

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.761 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012992.D

Acq: 14 Sep 2019 14:38

Tgt Ion: 75 Resp: 85256

Ion Ratio Lower Upper

75 100

53 0.1 85.6 128.4#

89 0.1 37.2 55.8#

