

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013020.D
 Acq On : 15 Sep 2019 04:26
 Operator : SY/VA
 Sample : K4787-07
 Misc : 4.94G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:58:31 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	7.94	168	337376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	506209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	415851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162074	50.00	ug/l	0.00

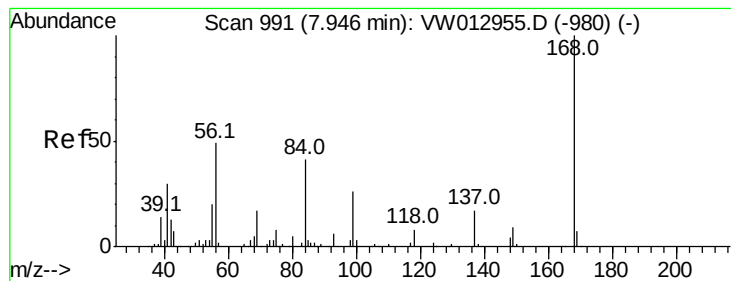
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	178648	57.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.66%	
35) Dibromofluoromethane	7.88	113	149698	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
50) Toluene-d8	10.32	98	584946	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	
62) 4-Bromofluorobenzene	12.62	95	176058	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.02	85	86	Below Cal	#	44
3) Chloromethane	2.20	50	259	Below Cal		99
11) Tert butyl alcohol	5.18	59	407	Below Cal	#	72
13) Acrolein	3.80	56	29	Below Cal	#	1
16) Acetone	4.10	43	34	Below Cal	#	47
25) 2-Butanone	7.14	43	1396	1.409	ug/l #	53
26) 2,2-Dichloropropane	7.15	77	1533	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	1072	1.899	ug/l #	69
31) Cyclohexane	7.93	56	7380	Below Cal	#	16
36) 1,1-Dichloropropene	7.94	75	25748	6.365	ug/l #	51
38) Carbon Tetrachloride	7.94	117	32709	7.891	ug/l #	15
60) Dibromochloromethane	10.86	129	13102	4.949	ug/l #	12
64) Tetrachloroethene	10.86	164	15165	6.130	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	92387	65.078	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	92387	147.628	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013020.D

Acq: 15 Sep 2019 04:26

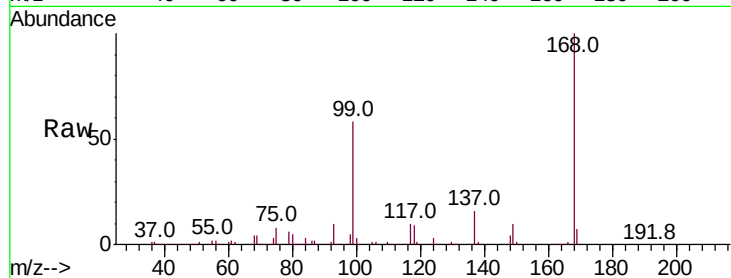
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 337376

Ion Ratio Lower Upper

168 100

99 58.4 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.94

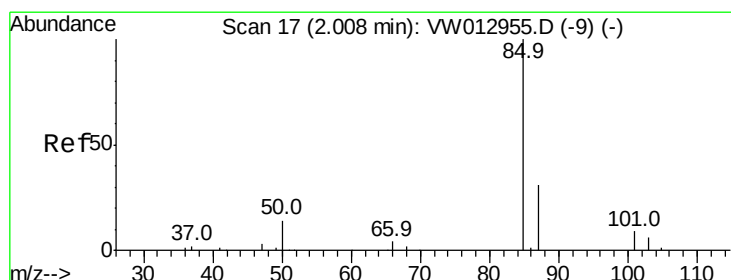
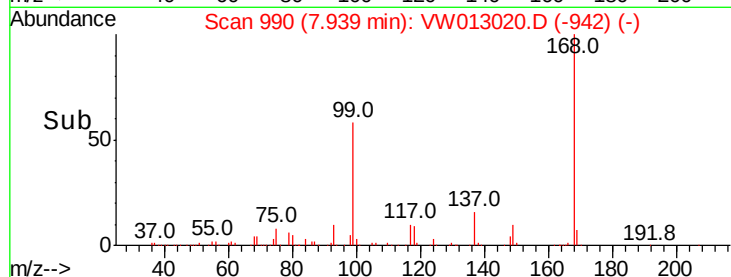
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW013020.D

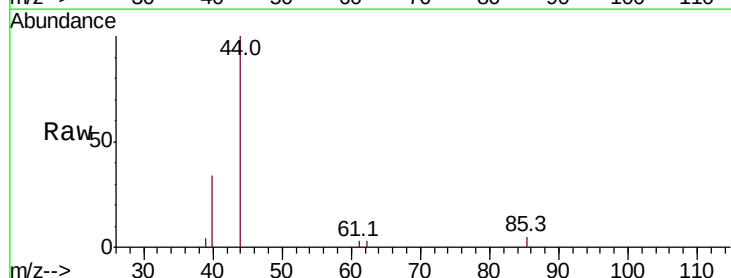
Acq: 15 Sep 2019 04:26

Tgt Ion: 85 Resp: 86

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

2.02

120

100

80

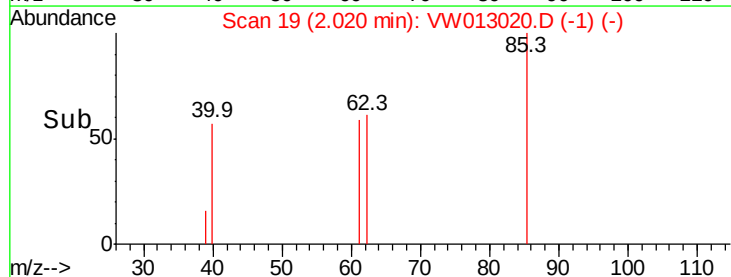
60

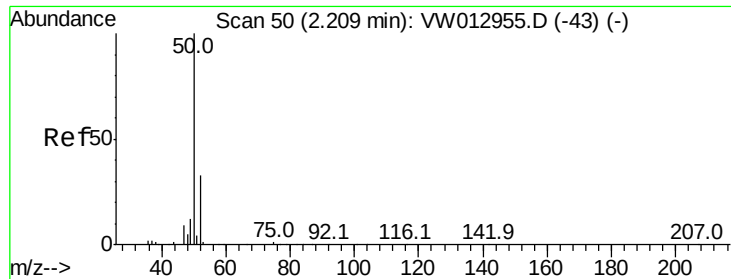
40

20

0

Time--> 1.98 2.00 2.02 2.04





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VW013020.D

Acq: 15 Sep 2019 04:26

Instrument :

MSVOA_W

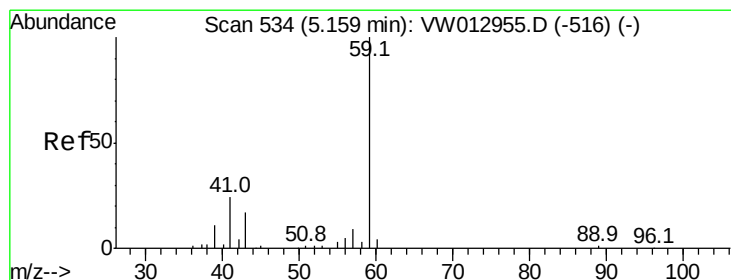
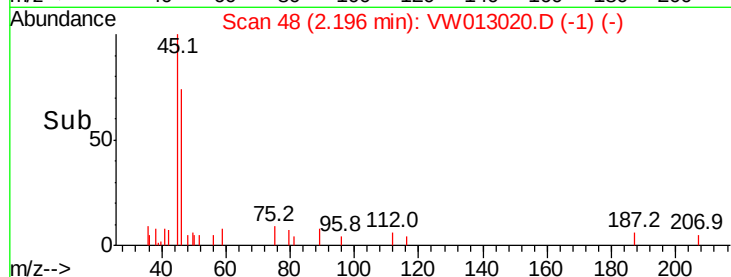
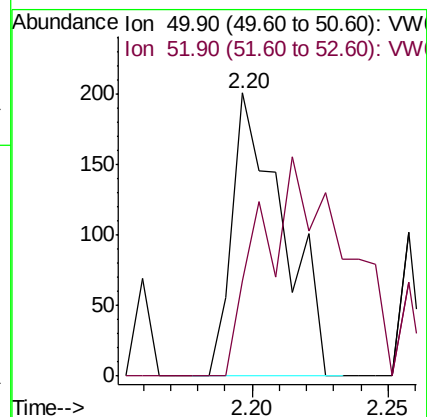
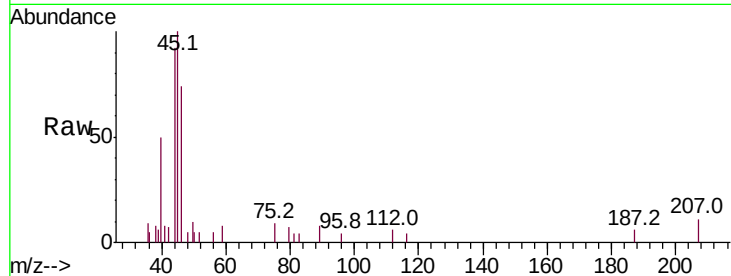
ClientSampled :

Tot Ion: 50 Resp: 259

Ion Ratio Lower Upper

50 100

52 33.8 26.6 39.8



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW013020.D

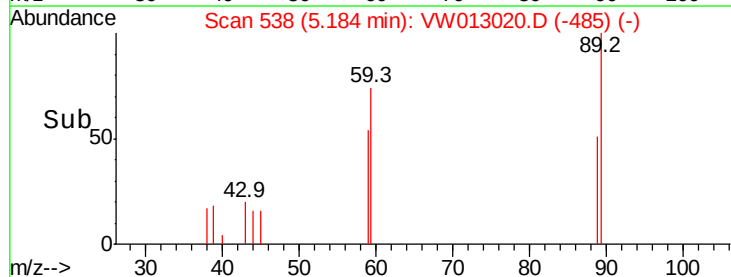
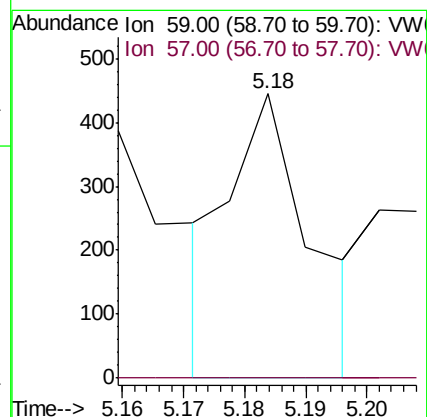
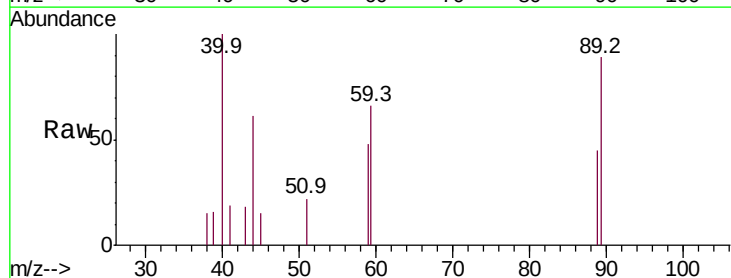
Acq: 15 Sep 2019 04:26

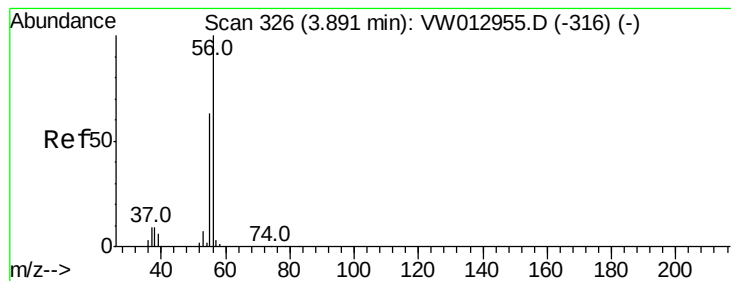
Tgt Ion: 59 Resp: 407

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.80 min Scan# 311

Delta R.T. -0.09 min

Lab File: VW013020.D

Acq: 15 Sep 2019 04:26

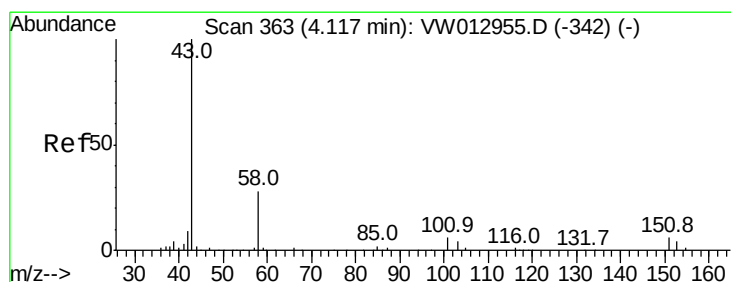
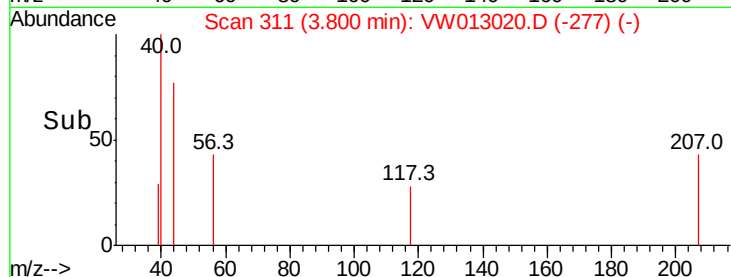
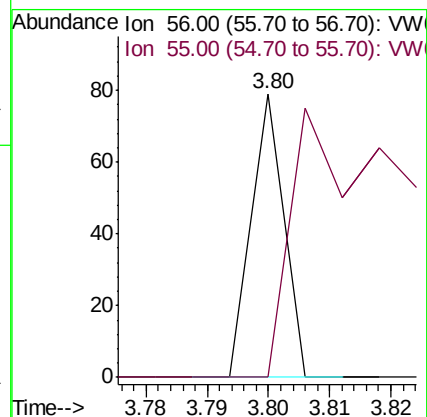
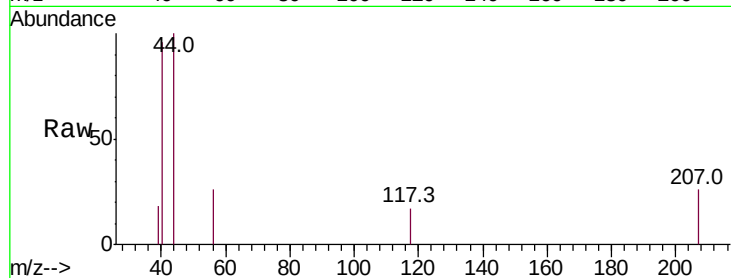
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 306.9 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.10 min Scan# 360

Delta R.T. -0.02 min

Lab File: VW013020.D

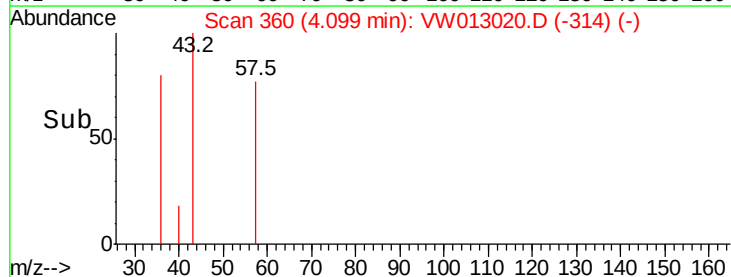
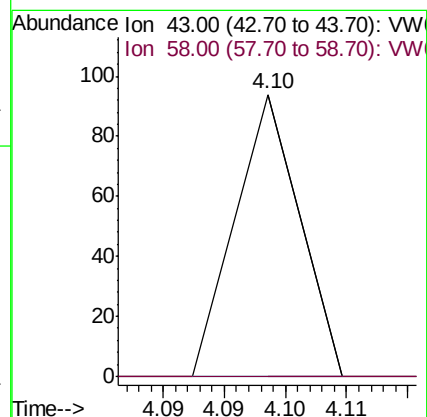
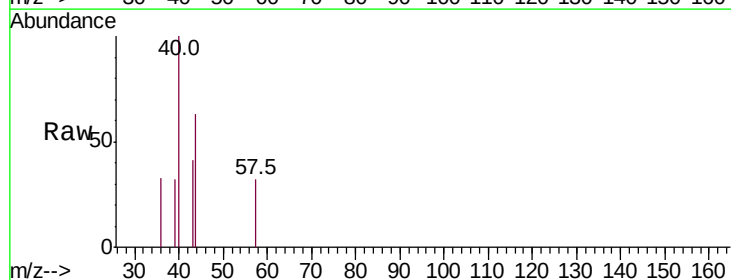
Acq: 15 Sep 2019 04:26

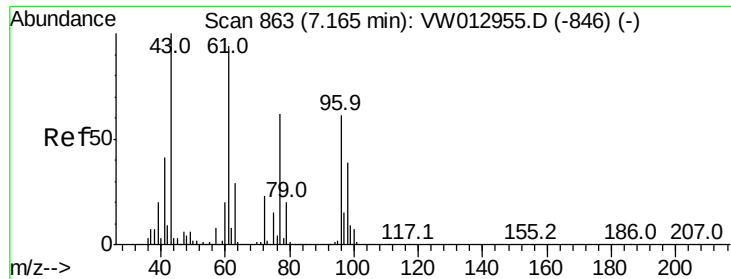
Tgt Ion: 43 Resp: 34

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#





#25

2-Butanone

Concen: 1.409 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013020.D

Acq: 15 Sep 2019 04:26

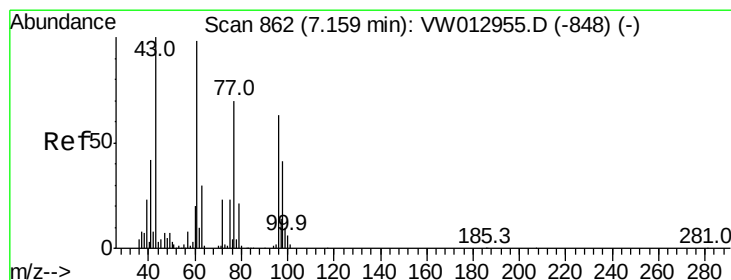
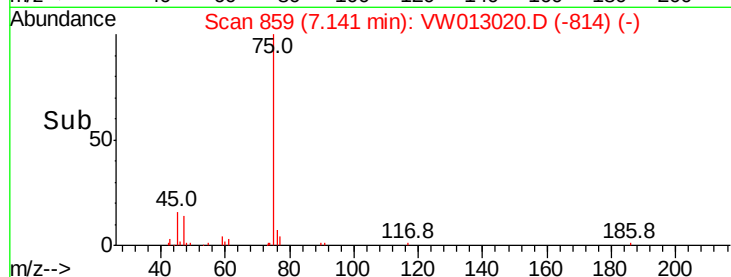
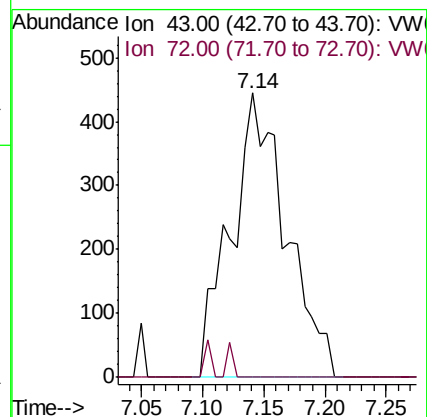
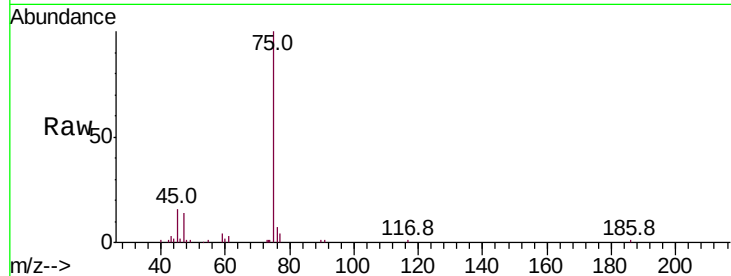
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1396

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.4#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW013020.D

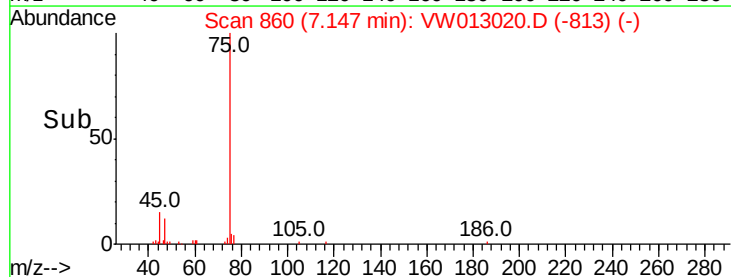
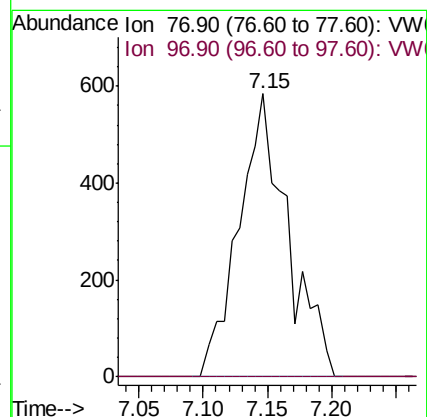
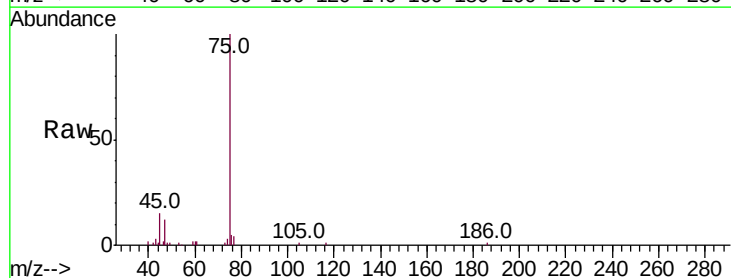
Acq: 15 Sep 2019 04:26

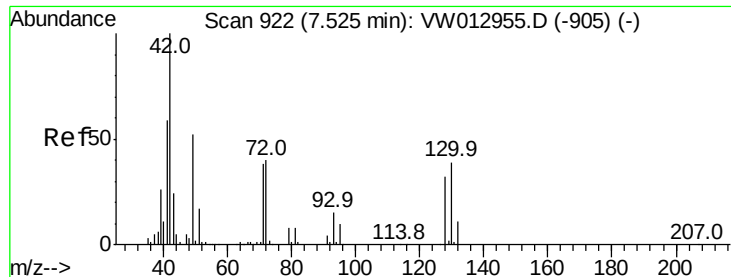
Tgt Ion: 77 Resp: 1533

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#

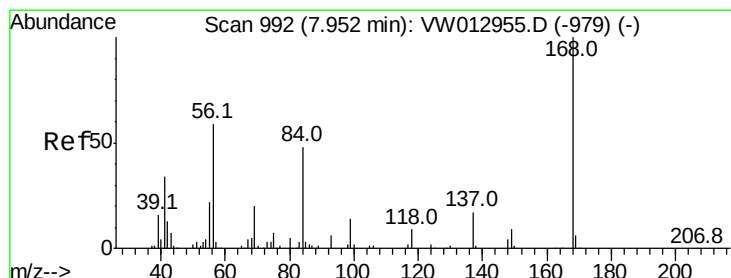
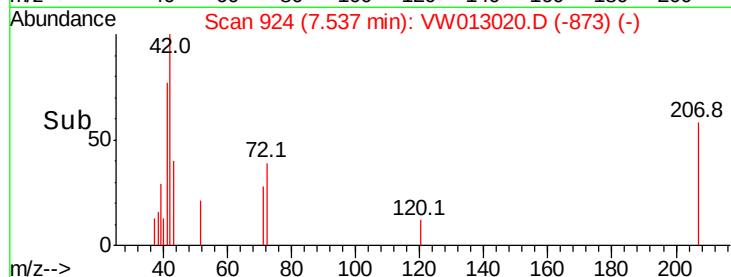
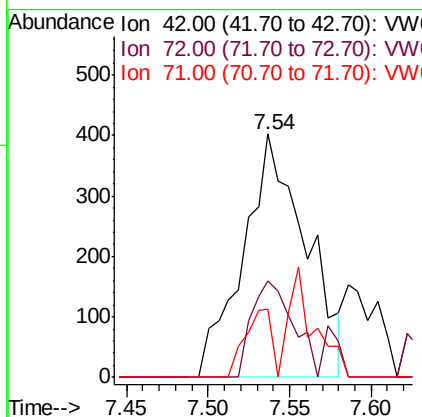
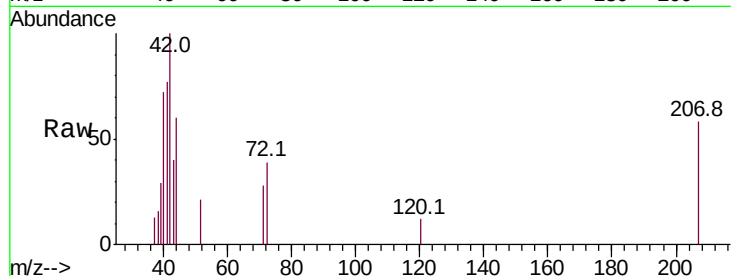




#29
Tetrahydrofuran
Concen: 1.899 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013020.D
Acq: 15 Sep 2019 04:26

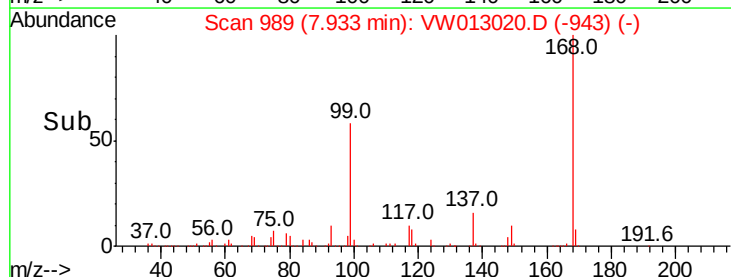
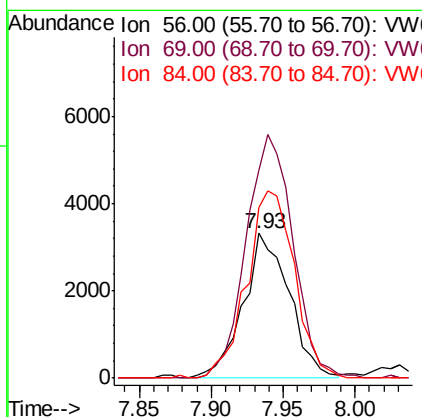
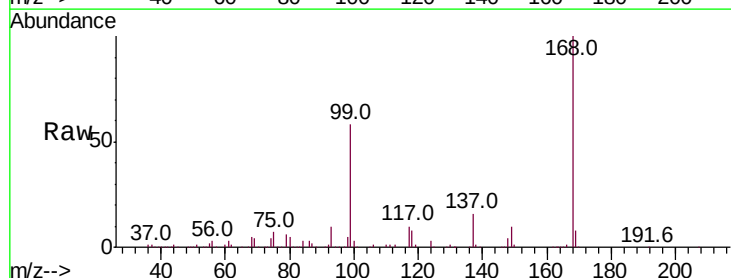
Instrument :
MSVOA_W
ClientSampled :

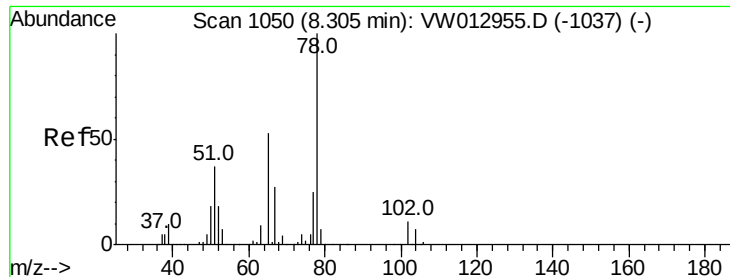
Tot Ion: 42 Resp: 1072
Ion Ratio Lower Upper
42 100
72 26.5 31.4 47.0#
71 11.9 29.8 44.8#



#31
Cyclohexane
Concen: Below Cal
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW013020.D
Acq: 15 Sep 2019 04:26

Tgt Ion: 56 Resp: 7380
Ion Ratio Lower Upper
56 100
69 143.7 27.0 40.6#
84 117.9 66.2 99.2#

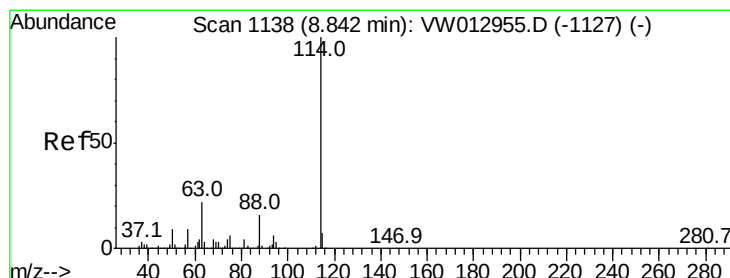
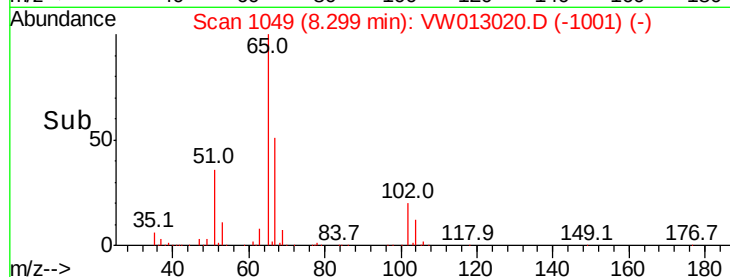
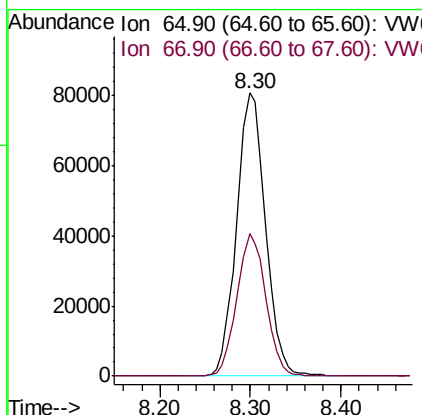
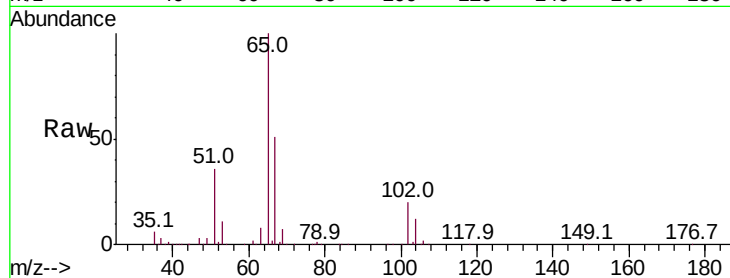




#33
 1,2-Dichloroethane-d4
 Concen: 57.334 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013020.D
 Acq: 15 Sep 2019 04:26

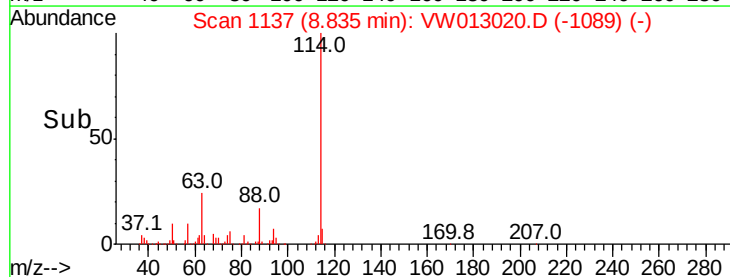
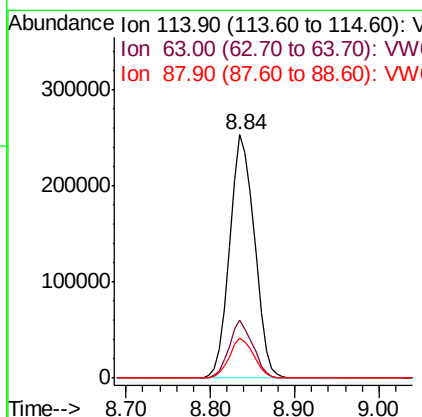
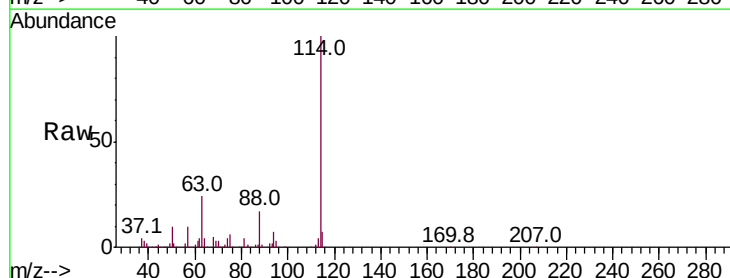
Instrument :
 MSVOA_W
 ClientSampleId :

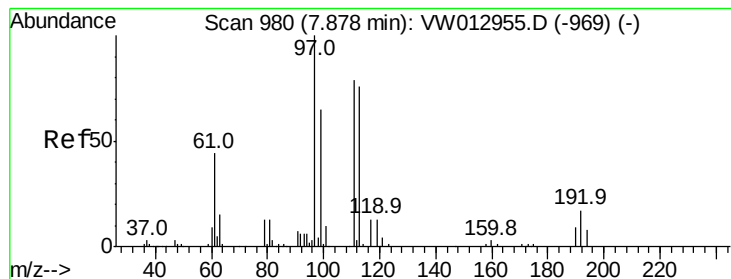
Tot Ion: 65 Resp: 178648
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW013020.D
 Acq: 15 Sep 2019 04:26

Tgt Ion: 114 Resp: 506209
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 43.4
 88 16.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 54.500 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013020.D

Acq: 15 Sep 2019 04:26

Instrument :

MSVOA_W

ClientSampleId :

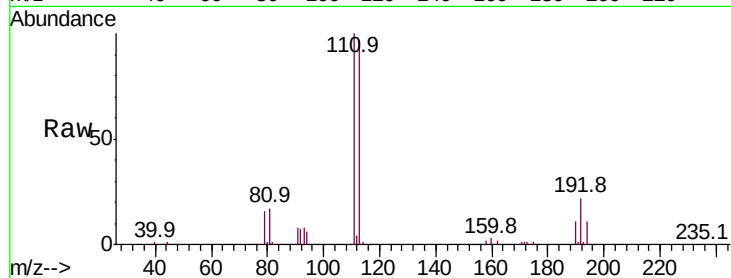
Tot Ion:113 Resp: 149698

Ion Ratio Lower Upper

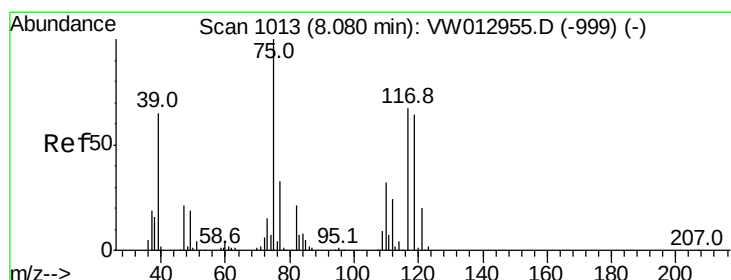
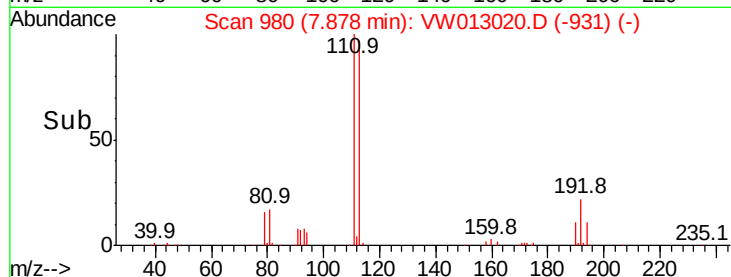
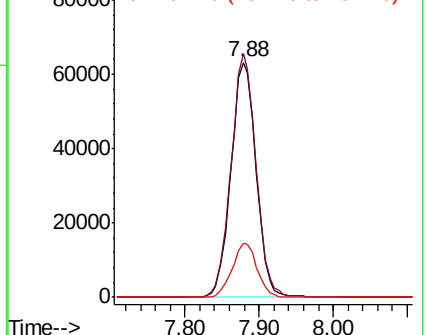
113 100

111 102.9 82.8 124.2

192 22.8 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: 6.365 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013020.D

Acq: 15 Sep 2019 04:26

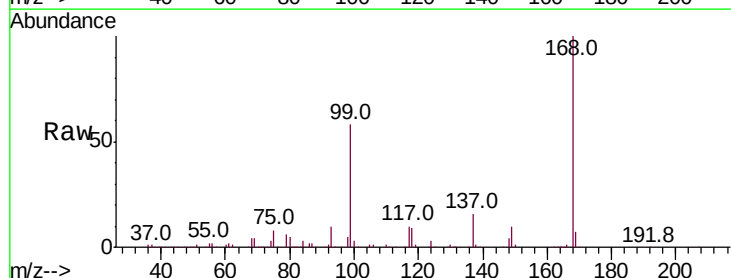
Tgt Ion: 75 Resp: 25748

Ion Ratio Lower Upper

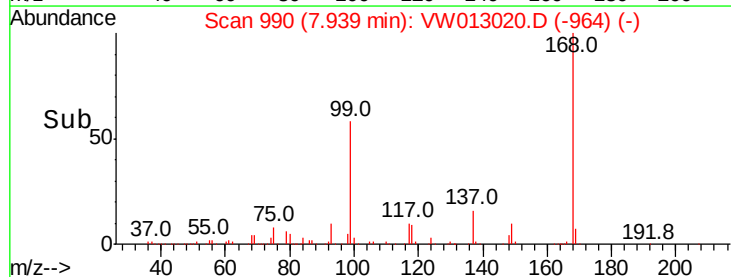
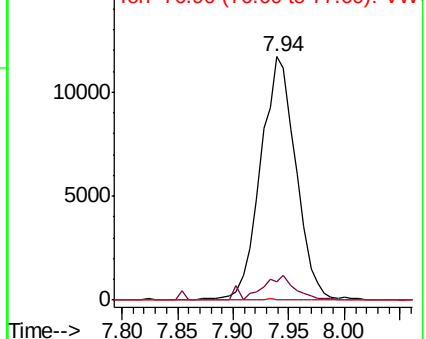
75 100

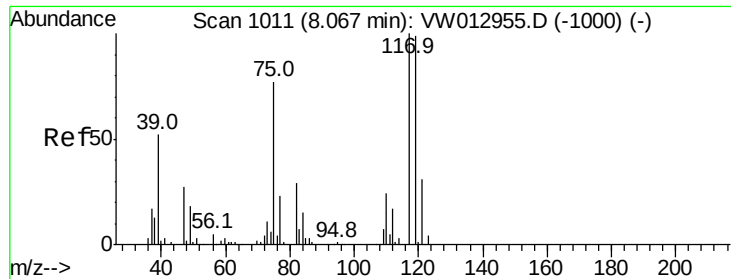
110 9.1 16.4 49.1#

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

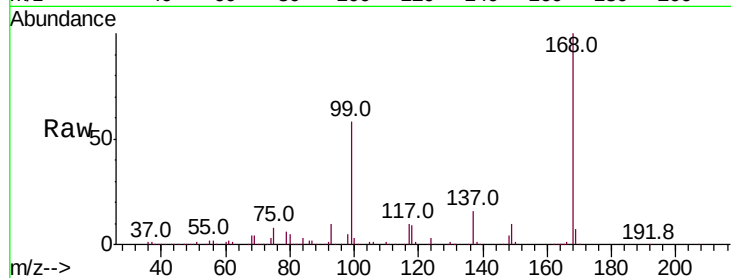




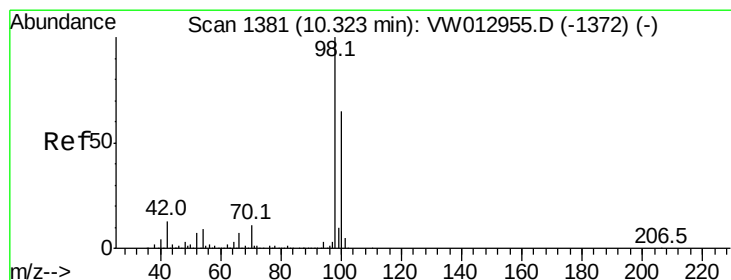
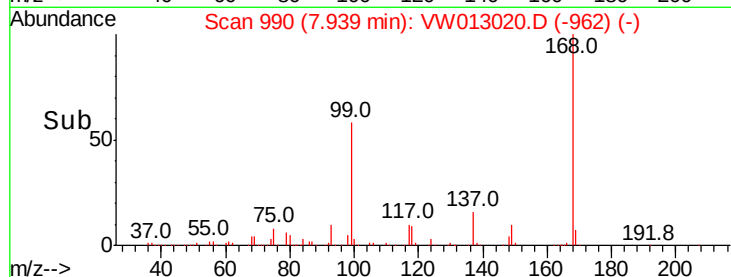
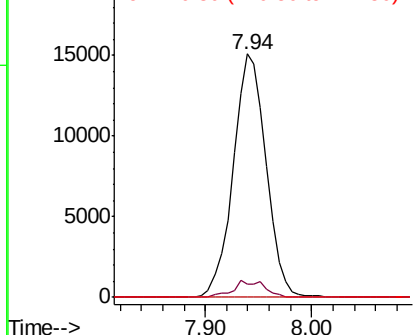
#38
Carbon Tetrachloride
Concen: 7.891 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW013020.D
Acq: 15 Sep 2019 04:26

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 32709
Ion Ratio Lower Upper
117 100
119 5.4 79.4 119.0#
121 0.0 24.6 36.8#

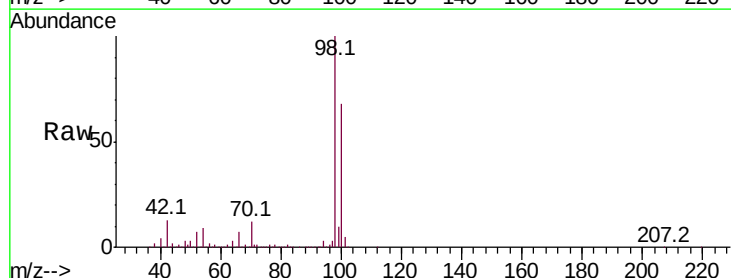


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

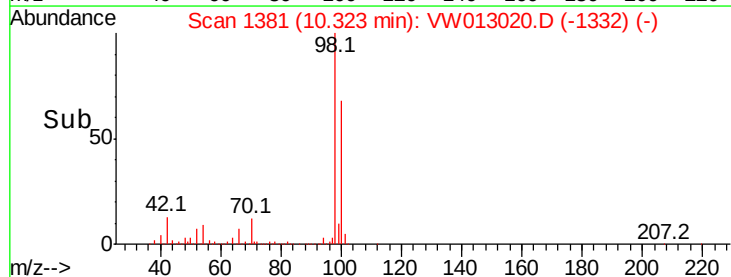
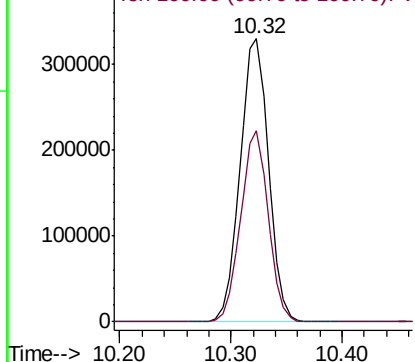


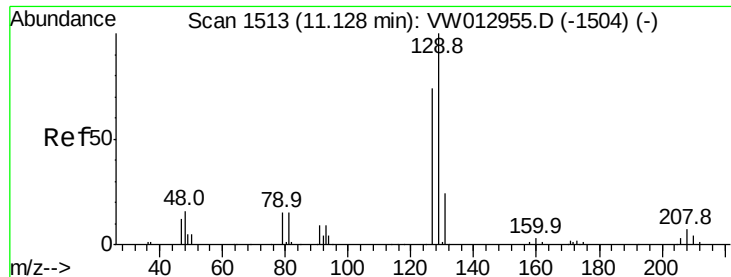
#50
Toluene-d8
Concen: 54.422 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013020.D
Acq: 15 Sep 2019 04:26

Tgt Ion: 98 Resp: 584946
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

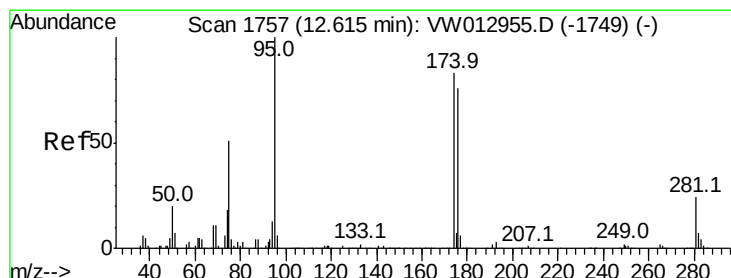
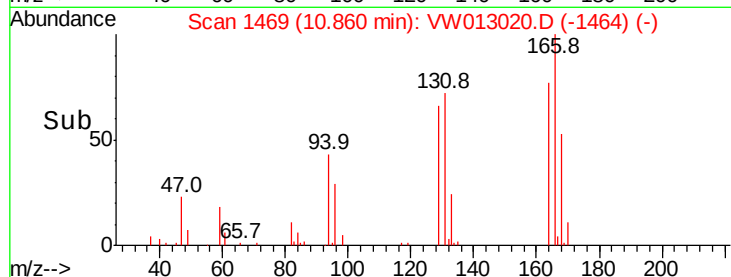
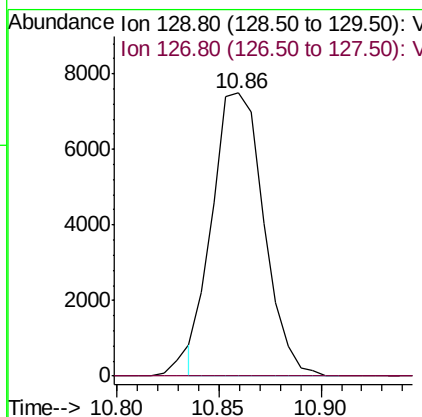
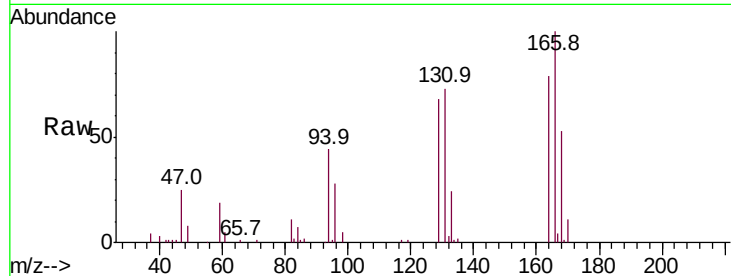




#60
 Dibromochloromethane
 Concen: 4.949 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.27 min
 Lab File: VW013020.D
 Acq: 15 Sep 2019 04:26

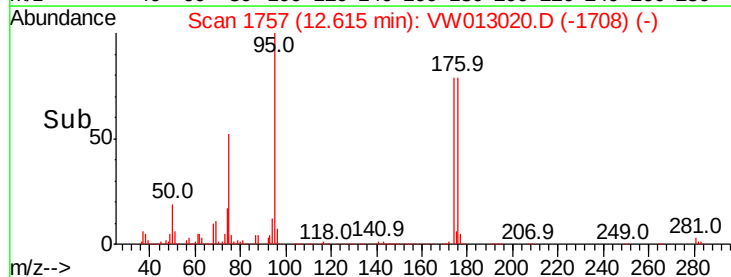
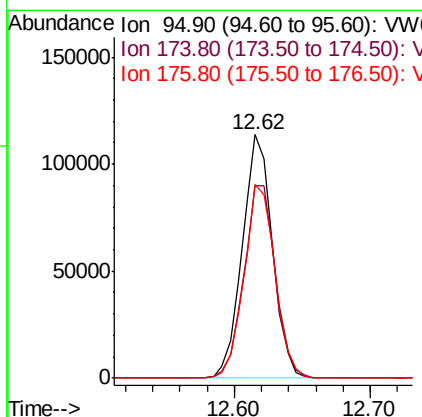
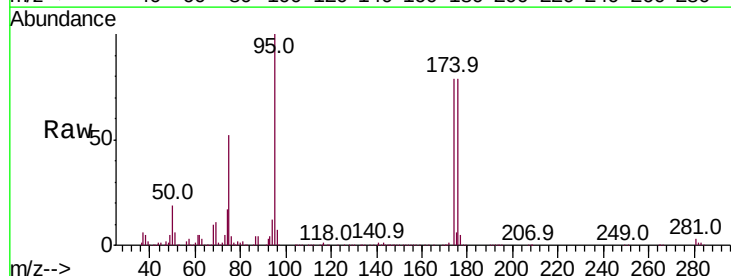
Instrument :
 MSVOA_W
 ClientSampleId :

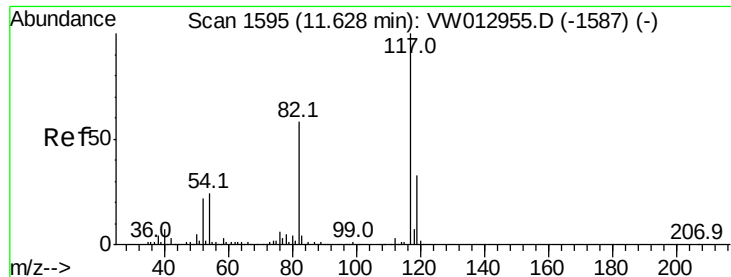
Tot Ion:129 Resp: 13102
 Ion Ratio Lower Upper
 129 100
 127 0.0 37.4 112.2#



#62
 4-Bromofluorobenzene
 Concen: 45.553 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013020.D
 Acq: 15 Sep 2019 04:26

Tgt Ion: 95 Resp: 176058
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 170.4
 176 81.6 0.0 164.6

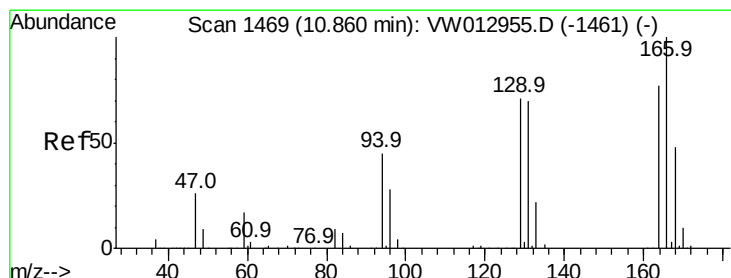
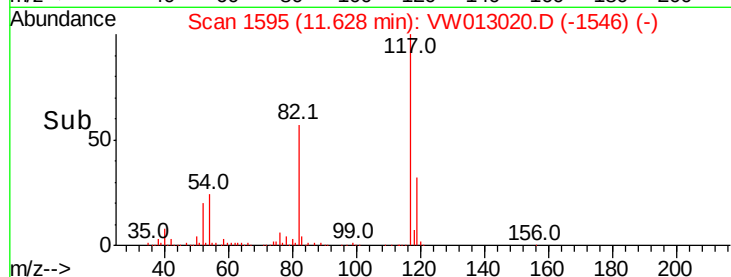
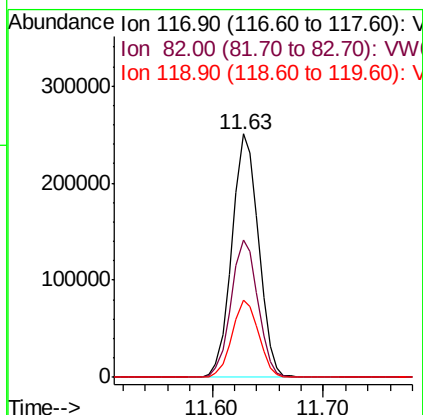
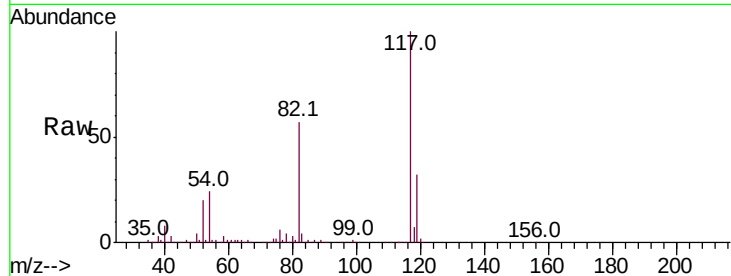




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013020.D
Acq: 15 Sep 2019 04:26

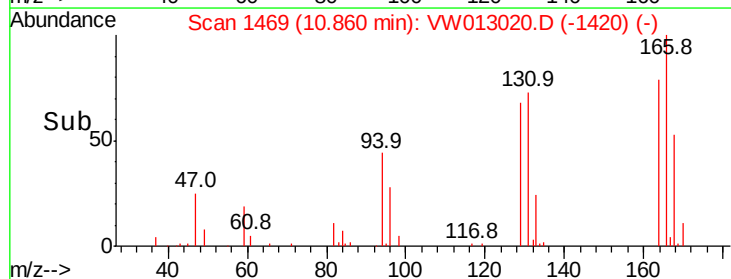
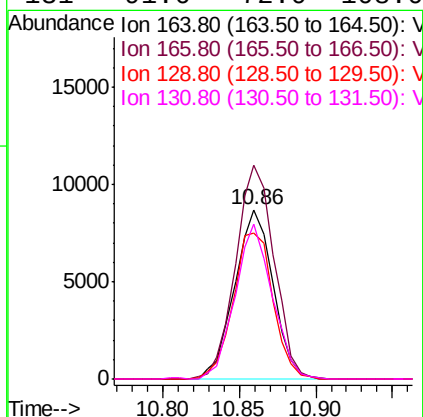
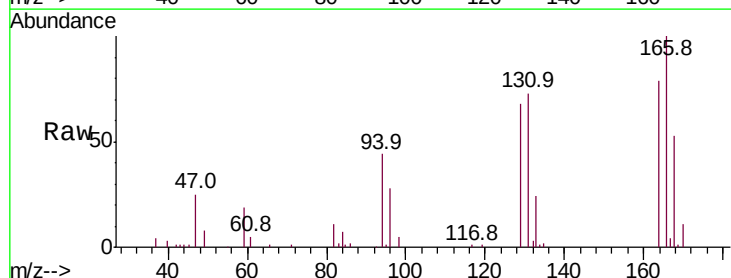
Instrument :
MSVOA_W
ClientSampleId :

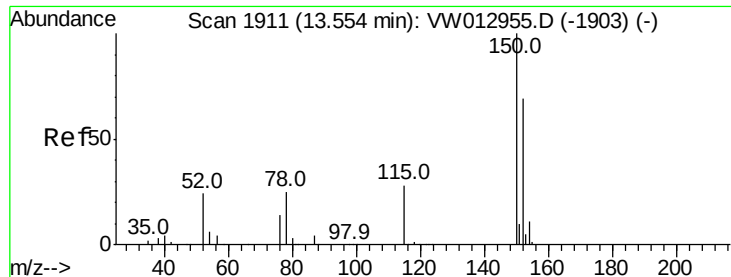
Tot Ion:117 Resp: 415851
Ion Ratio Lower Upper
117 100
82 56.6 46.3 69.5
119 31.8 26.2 39.4



#64
Tetrachloroethene
Concen: 6.130 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013020.D
Acq: 15 Sep 2019 04:26

Tgt Ion:164 Resp: 15165
Ion Ratio Lower Upper
164 100
166 126.3 103.3 154.9
129 86.2 73.8 110.8
131 91.6 72.0 108.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013020.D

Acq: 15 Sep 2019 04:26

Instrument :

MSVOA_W

ClientSampleId :

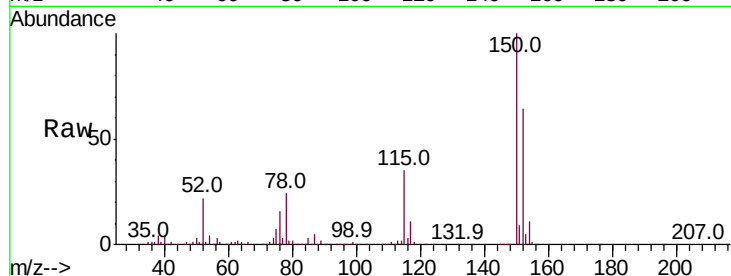
Tot Ion:152 Resp: 162074

Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.4

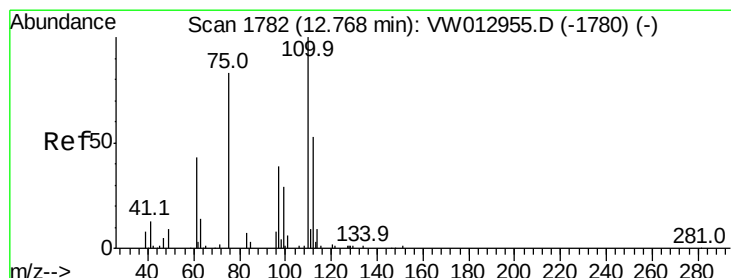
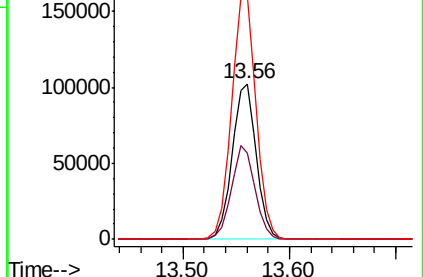
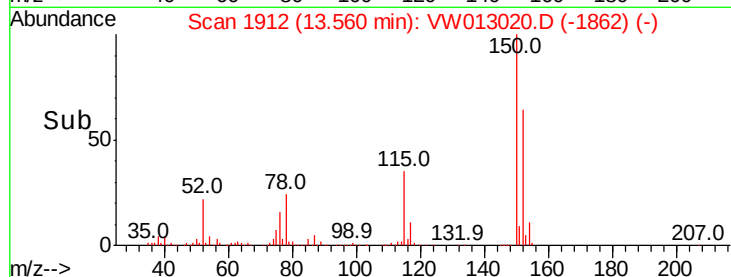
150 159.6 0.0 340.2



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: 65.078 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013020.D

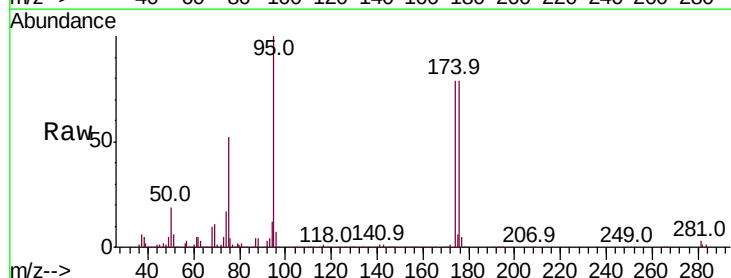
Acq: 15 Sep 2019 04:26

Tgt Ion: 75 Resp: 92387

Ion Ratio Lower Upper

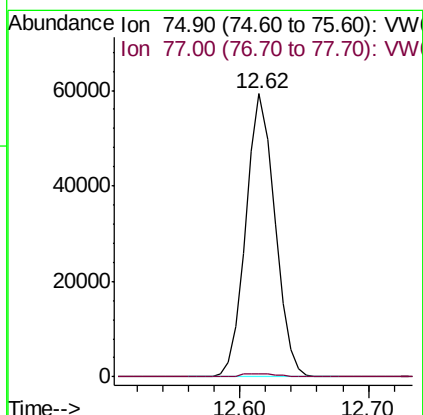
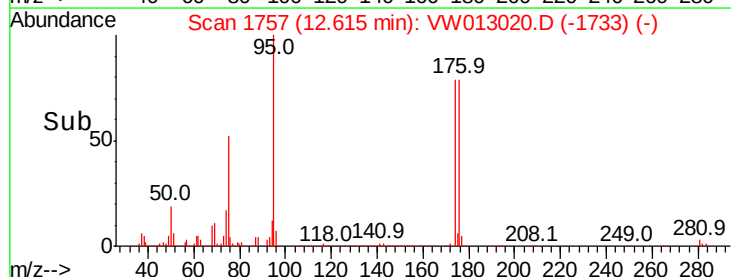
75 100

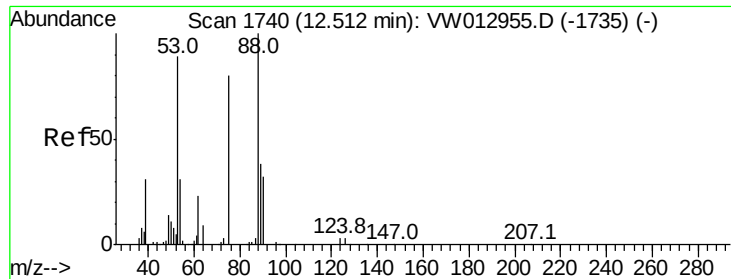
77 1.5 0.0 0.0#



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: 147.628 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013020.D

Acq: 15 Sep 2019 04:26

Instrument :

MSVOA_W

ClientSampleId :

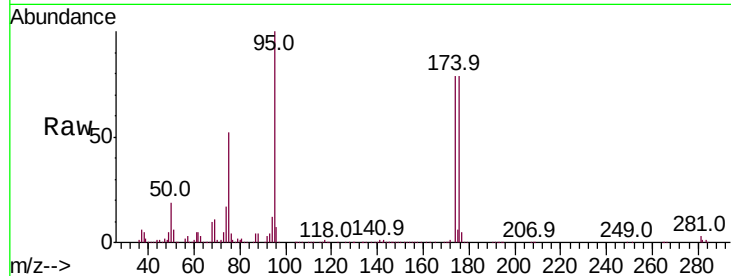
Tot Ion: 75 Resp: 92387

Ion Ratio Lower Upper

75 100

53 0.1 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

