

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090919\
 Data File : VW012824.D
 Acq On : 09 Sep 2019 16:24
 Operator : SY/VA
 Sample : K4760-08RE
 Misc : 6.19G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 09 16:53:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	221862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	335302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	266092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	102097	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	120683	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
35) Dibromofluoromethane	7.88	113	99572	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	10.32	98	391744	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.62	95	115042	40.58	ug/l	0.00
Spiked Amount			Recovery	=	81.16%	

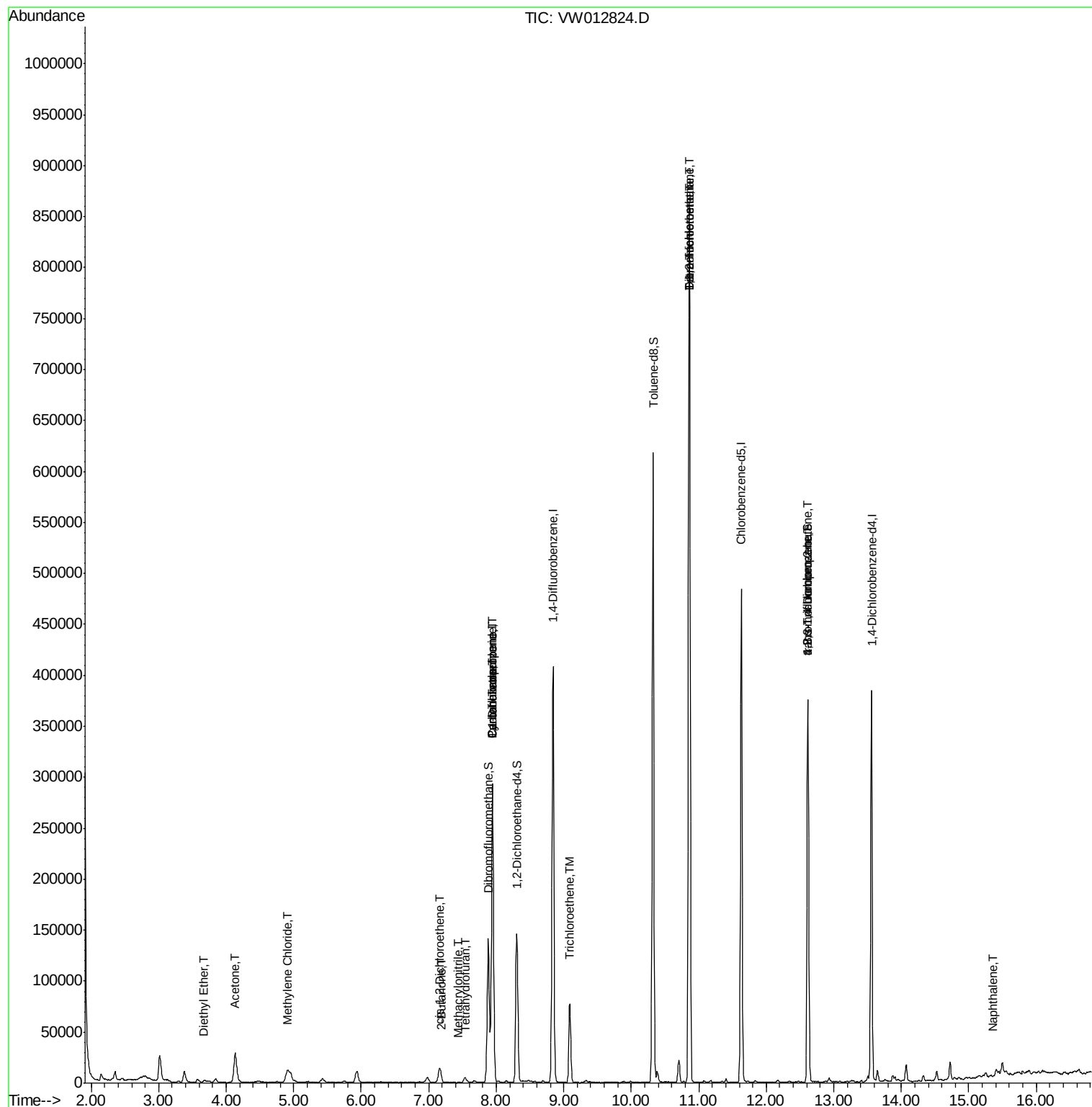
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1315	1.265	ug/l	65
16) Acetone	4.14	43	58354	86.347	ug/l	96
20) Methylene Chloride	4.90	84	7876	3.725	ug/l	92
25) 2-Butanone	7.19	43	321	19.977	ug/l #	53
27) cis-1,2-Dichloroethene	7.17	96	7132	3.290	ug/l	84
29) Tetrahydrofuran	7.54	42	5034	9.224	ug/l #	87
31) Cyclohexane	7.94	56	5751	1.578	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	17530	5.884	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20761	7.069	ug/l #	18
41) Methacrylonitrile	7.45	41	125	3.928	ug/l #	9
44) Trichloroethene	9.09	130	27499	12.906	ug/l	87
55) 1,1,2-Trichloroethane	10.86	97	1797	1.106	ug/l #	19
60) Dibromochloromethane	10.86	129	168832	88.324	ug/l #	11
64) Tetrachloroethene	10.86	164	202455	125.391	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	59736	57.219	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59736	121.022	ug/l #	6
95) Naphthalene	15.36	128	123	4.465	ug/l #	65

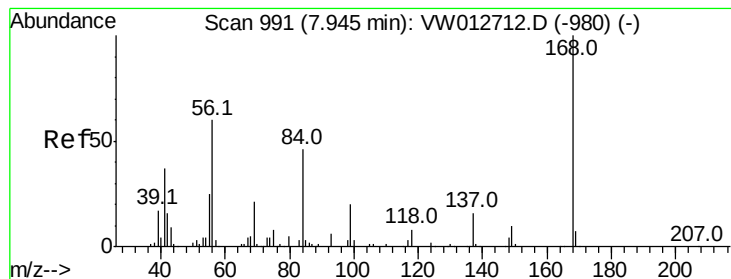
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Sep 08 05:04:40 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: VW012824.D

Acq: 09 Sep 2019 16:24

Instrument :

MSVOA_W

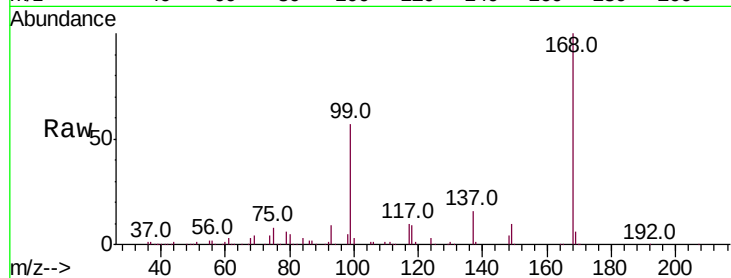
ClientSampled :

Tot Ion:168 Resp: 221862

Ion Ratio Lower Upper

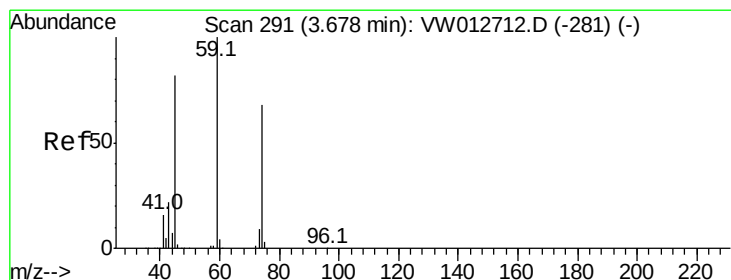
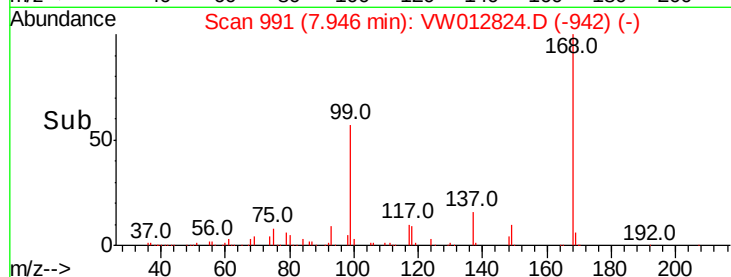
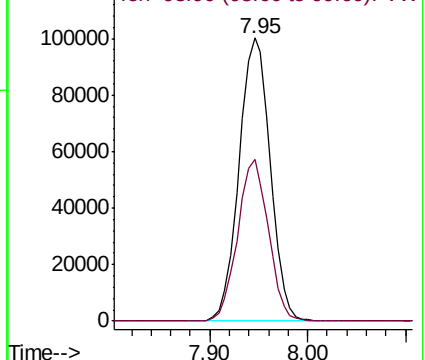
168 100

99 56.9 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.265 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW012824.D

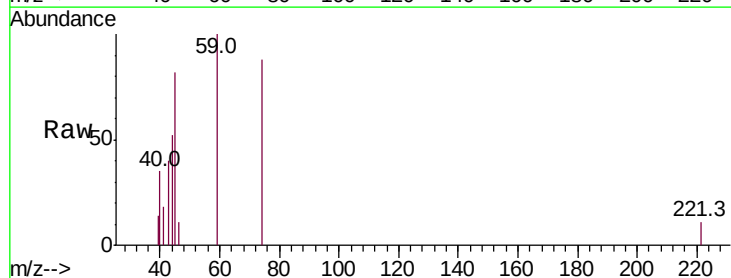
Acq: 09 Sep 2019 16:24

Tgt Ion: 74 Resp: 1315

Ion Ratio Lower Upper

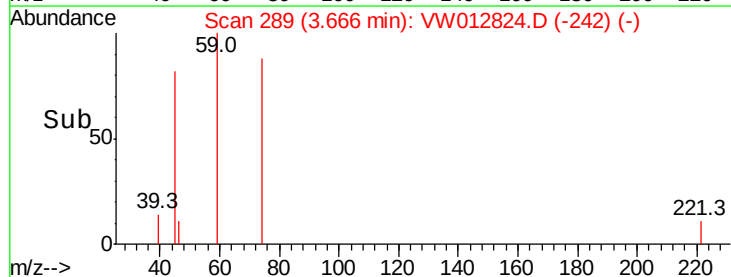
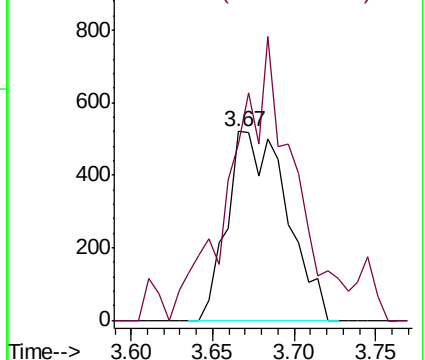
74 100

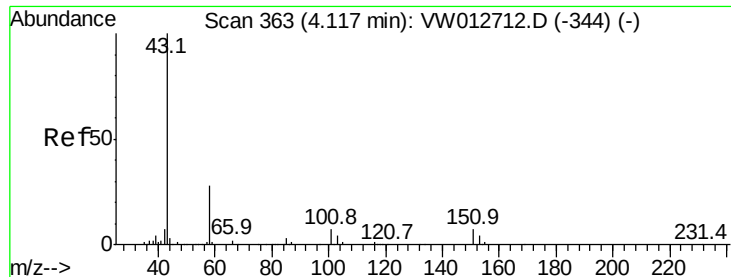
45 155.7 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 86.347 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012824.D

Acq: 09 Sep 2019 16:24

Instrument :

MSVOA_W

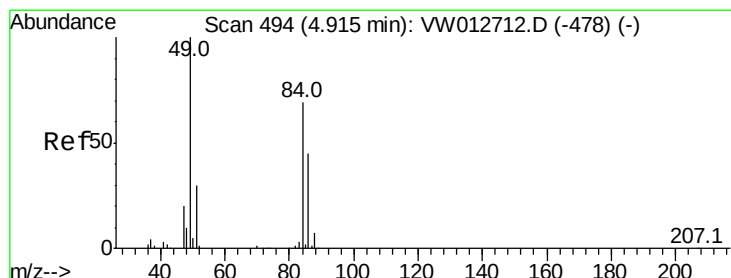
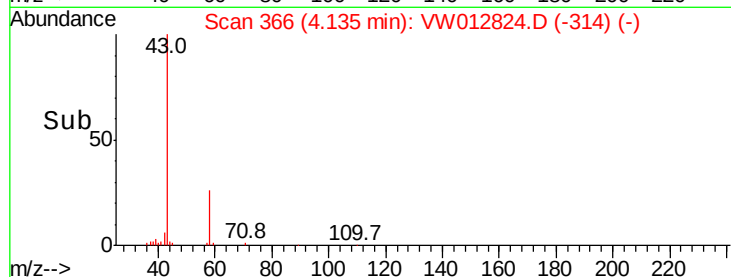
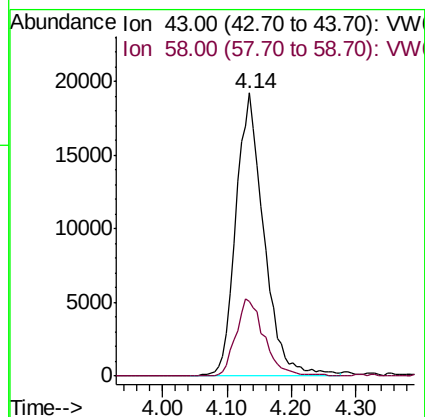
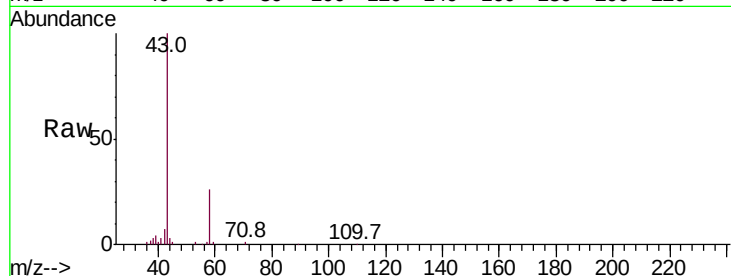
ClientSampleId :

Tot Ion: 43 Resp: 58354

Ion Ratio Lower Upper

43 100

58 26.3 22.6 33.8



#20

Methylene Chloride

Concen: 3.725 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012824.D

Acq: 09 Sep 2019 16:24

Tgt Ion: 84 Resp: 7876

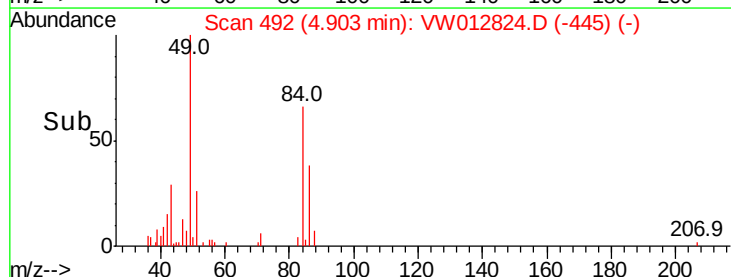
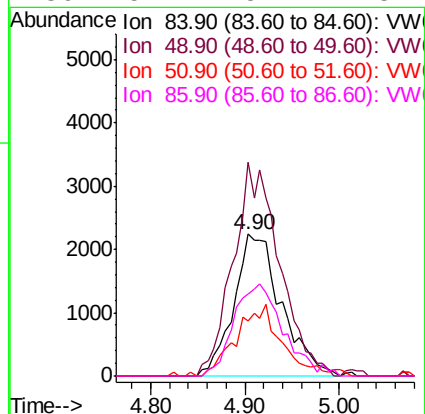
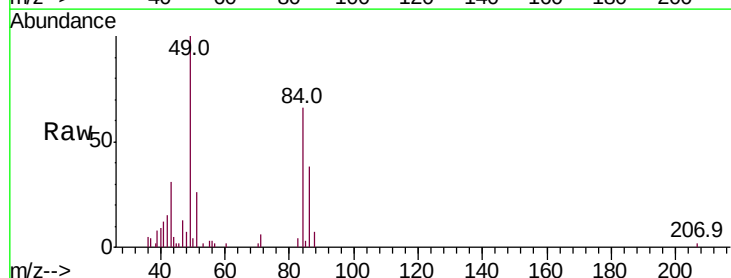
Ion Ratio Lower Upper

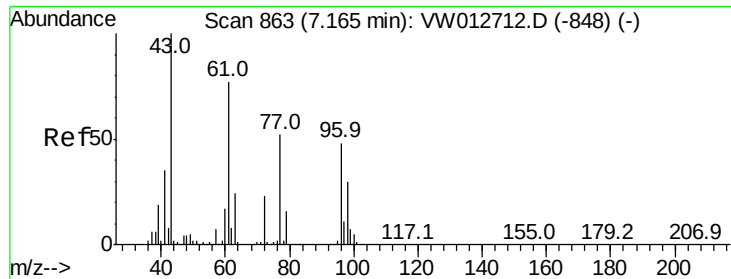
84 100

49 150.6 115.4 173.0

51 36.1 34.9 52.3

86 57.4 52.2 78.4





#25

2-Butanone

Concen: 19.977 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW012824.D

Acq: 09 Sep 2019 16:24

Instrument :

MSVOA_W

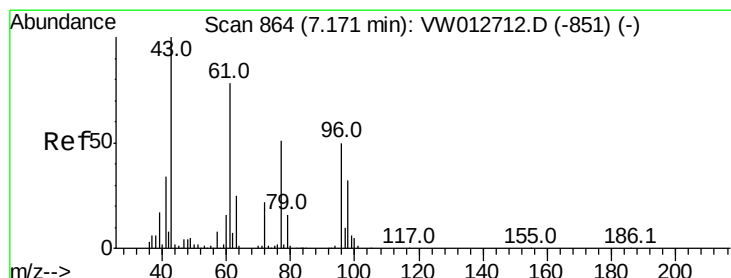
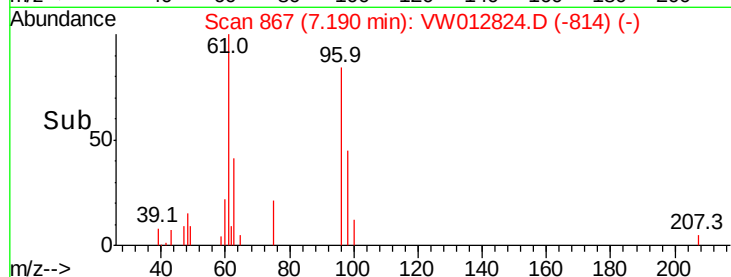
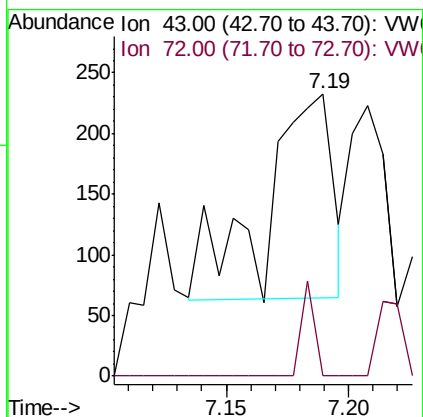
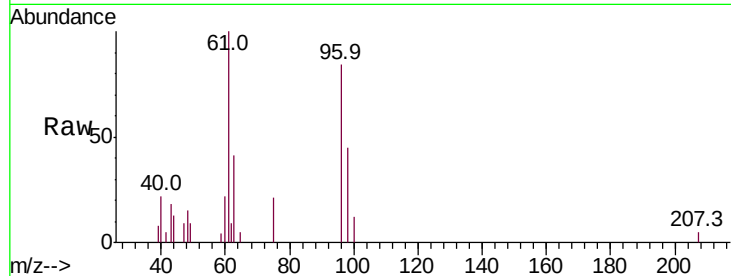
ClientSampled :

Tot Ion: 43 Resp: 321

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#27

cis-1,2-Dichloroethene

Concen: 3.290 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW012824.D

Acq: 09 Sep 2019 16:24

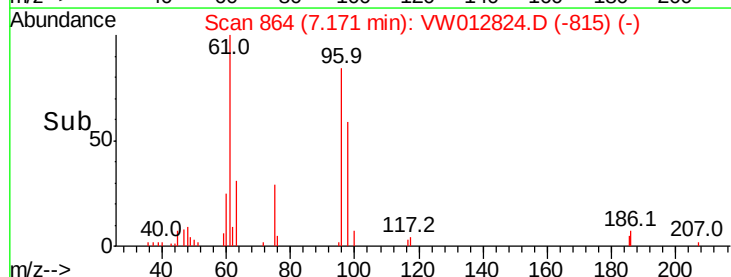
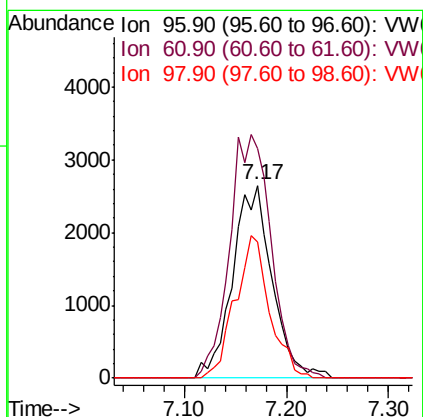
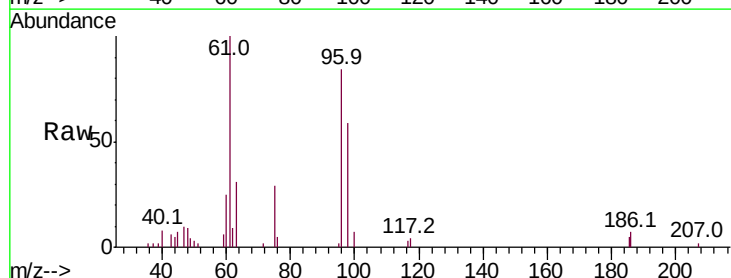
Tgt Ion: 96 Resp: 7132

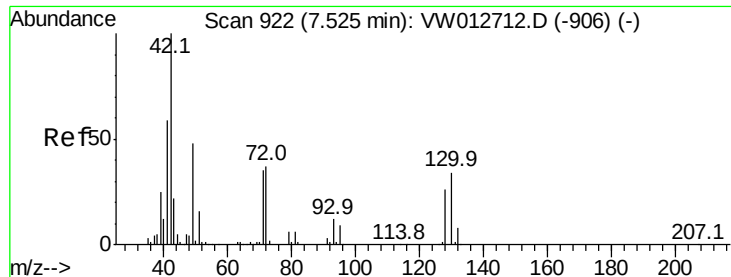
Ion Ratio Lower Upper

96 100

61 133.0 0.0 325.8

98 64.1 0.0 127.0

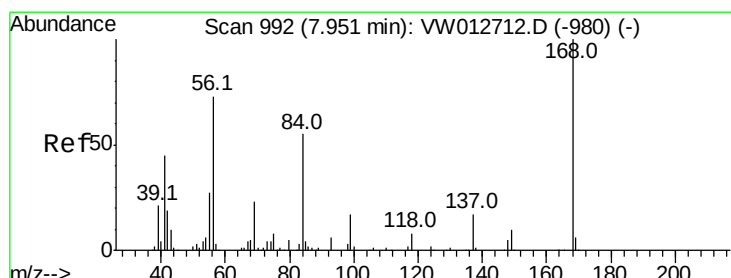
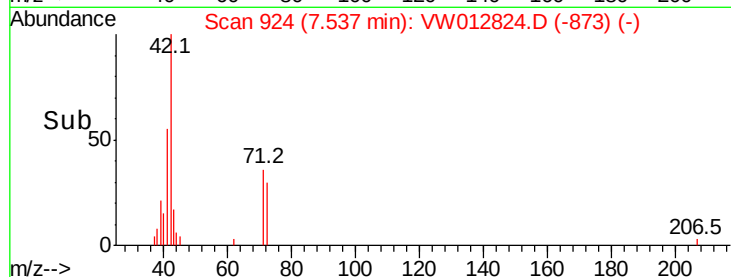
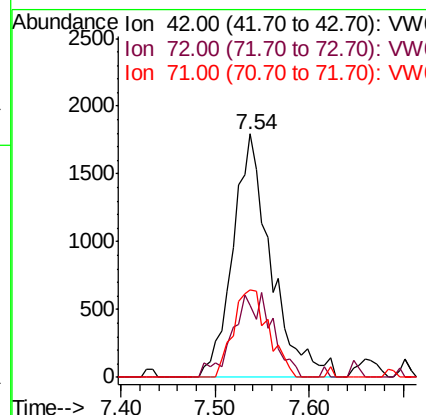
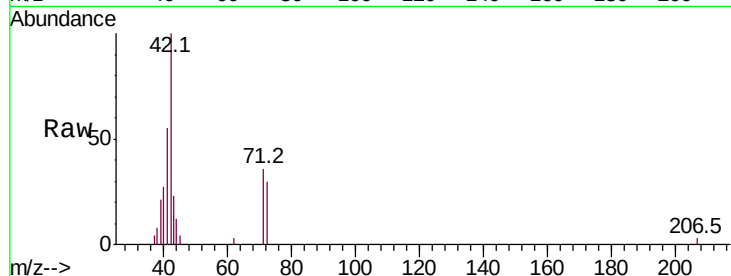




#29
Tetrahydrofuran
Concen: 9.224 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012824.D
Acq: 09 Sep 2019 16:24

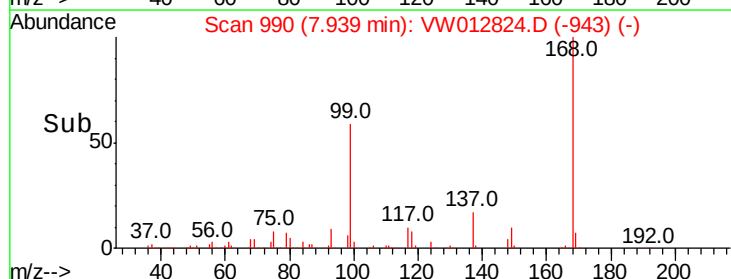
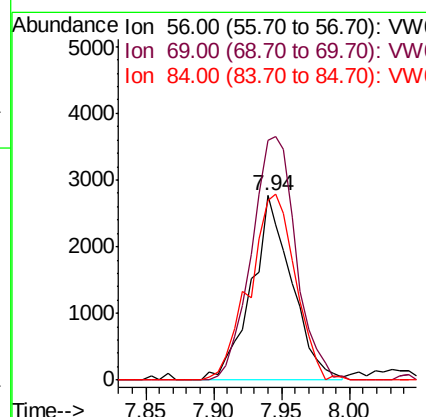
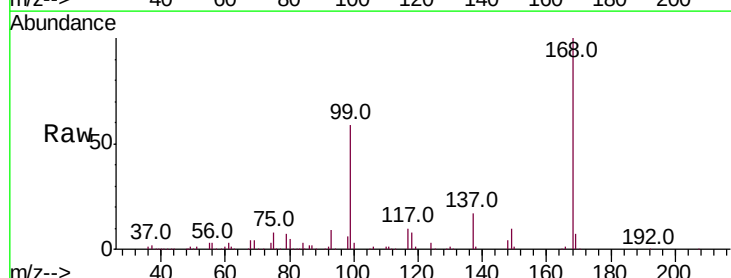
Instrument :
MSVOA_W
ClientSampleId :

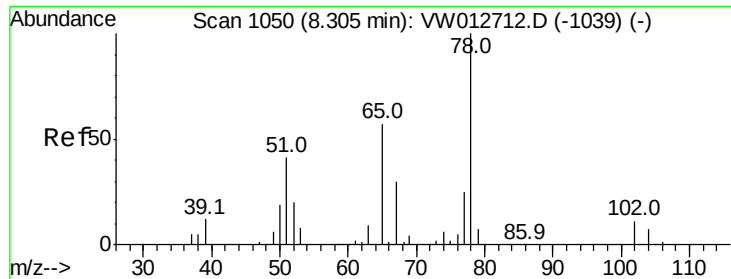
Tot Ion	Ratio	Lower	Upper
42	100		
72	21.4	28.4	42.6#
71	33.6	27.1	40.7



#31
Cyclohexane
Concen: 1.578 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012824.D
Acq: 09 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
56	100		
69	130.3	25.7	38.5#
84	111.3	60.4	90.6#

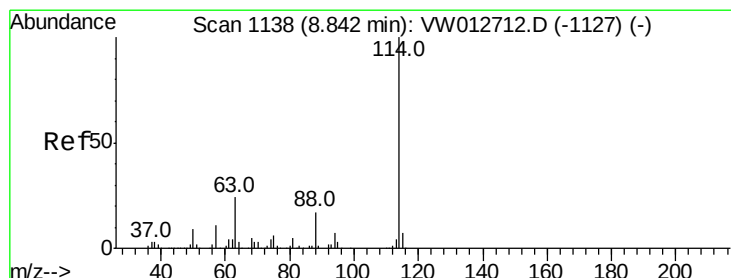
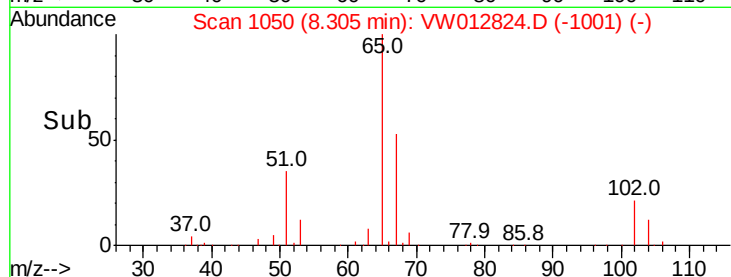
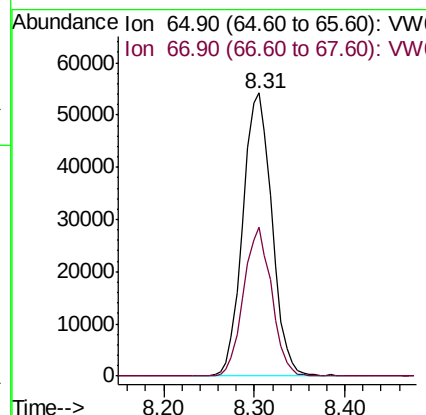
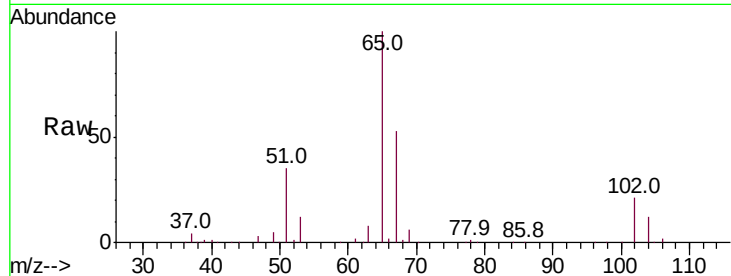




#33
 1,2-Dichloroethane-d4
 Concen: 48.683 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012824.D
 Acq: 09 Sep 2019 16:24

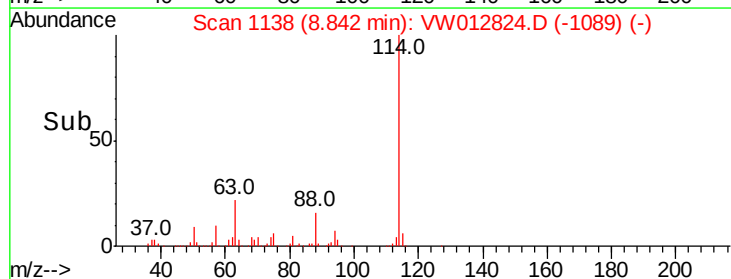
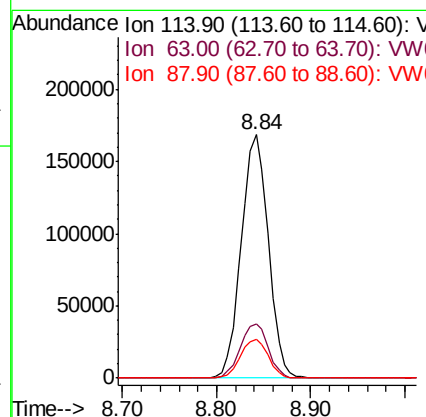
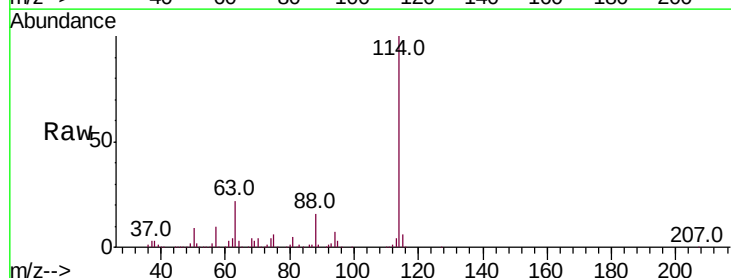
Instrument :
 MSVOA_W
 ClientSampleId :

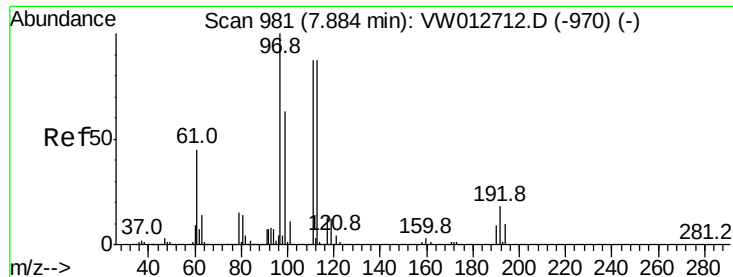
Tot Ion: 65 Resp: 120683
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012824.D
 Acq: 09 Sep 2019 16:24

Tgt Ion: 114 Resp: 335302
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 47.2
 88 15.8 0.0 34.0

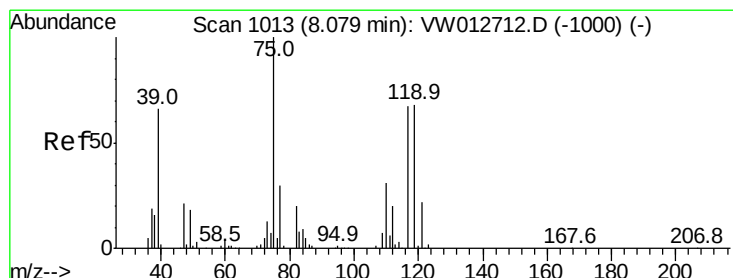
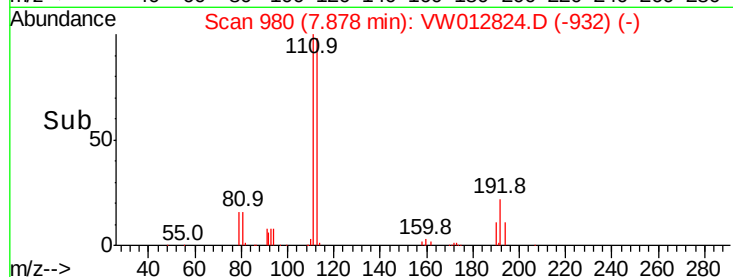
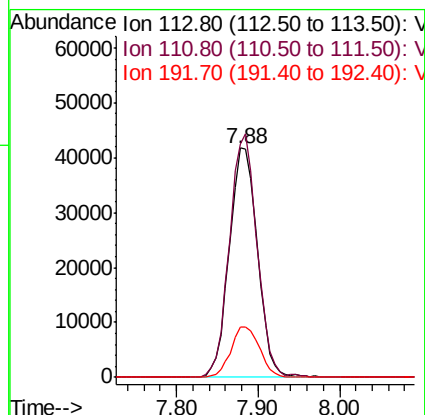
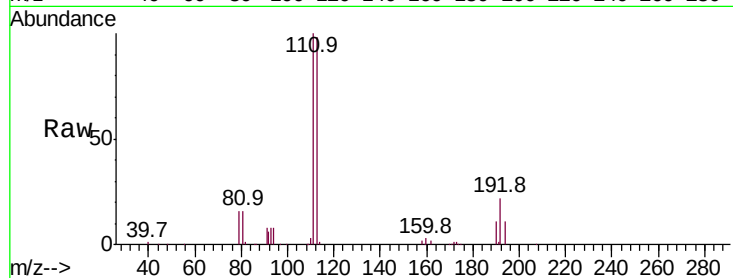




#35
Dibromofluoromethane
Concen: 49.949 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW012824.D
Acq: 09 Sep 2019 16:24

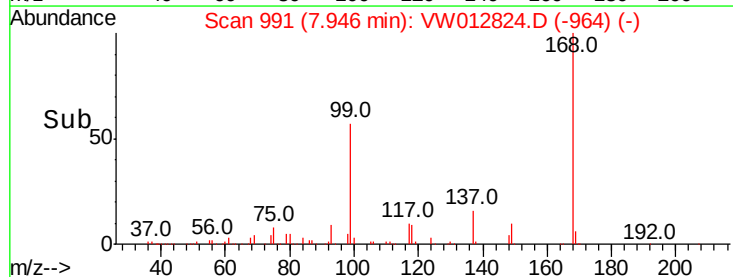
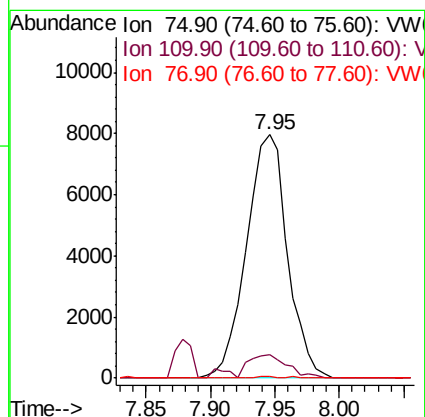
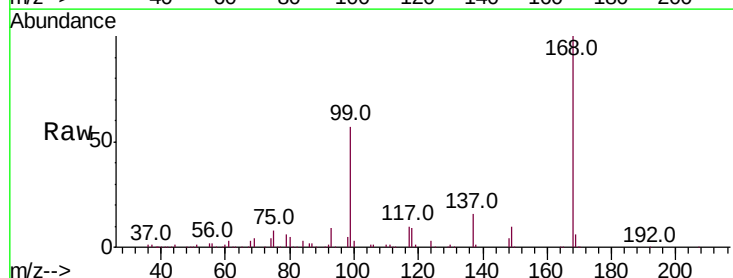
Instrument :
MSVOA_W
ClientSampleId :

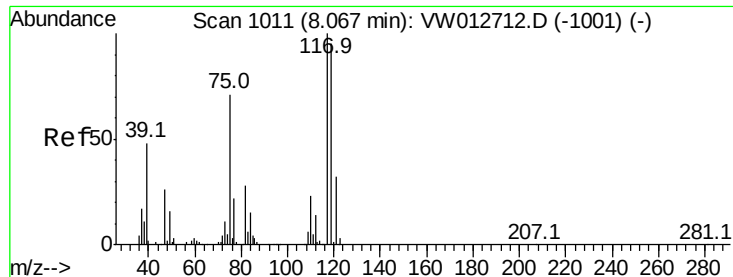
Tot Ion:113 Resp: 99572
Ion Ratio Lower Upper
113 100
111 103.6 80.2 120.4
192 22.3 17.3 25.9



#36
1,1-Dichloropropene
Concen: 5.884 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW012824.D
Acq: 09 Sep 2019 16:24

Tgt Ion: 75 Resp: 17530
Ion Ratio Lower Upper
75 100
110 9.2 15.9 47.7#
77 0.3 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.069 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012824.D

Acq: 09 Sep 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

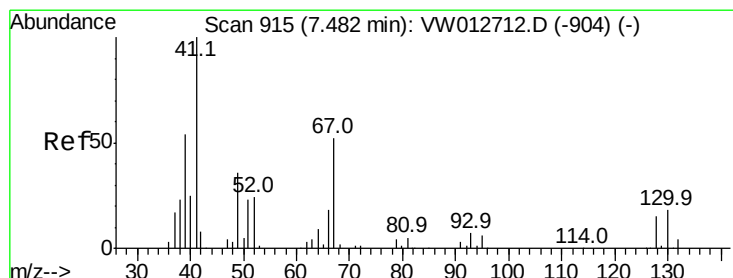
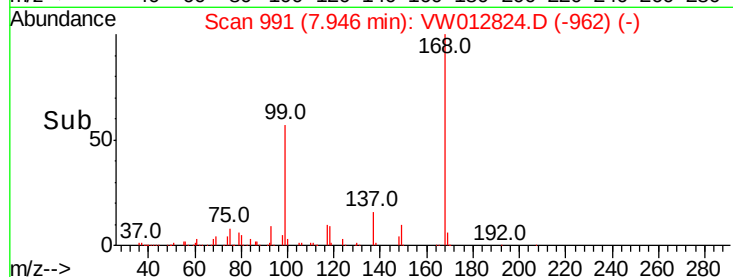
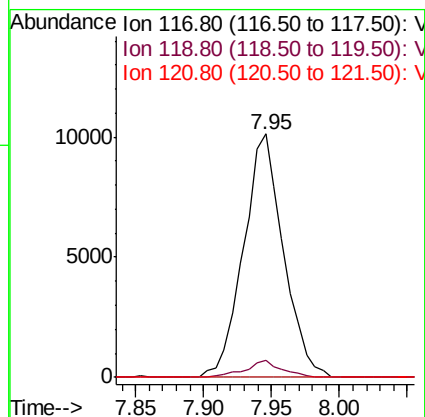
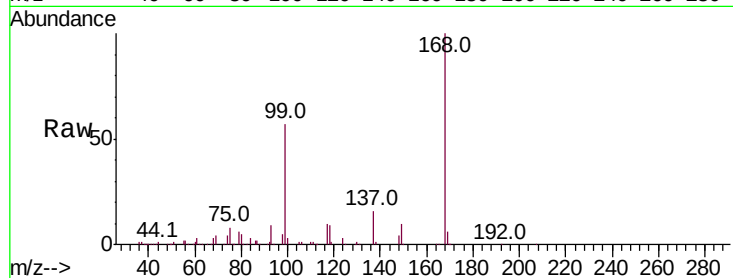
Tot Ion:117 Resp: 20761

Ion Ratio Lower Upper

117 100

119 7.1 76.2 114.2#

121 0.0 25.4 38.2#



#41

Methacrylonitrile

Concen: 3.928 ug/l

RT: 7.45 min Scan# 909

Delta R.T. -0.04 min

Lab File: VW012824.D

Acq: 09 Sep 2019 16:24

Tgt Ion: 41 Resp: 125

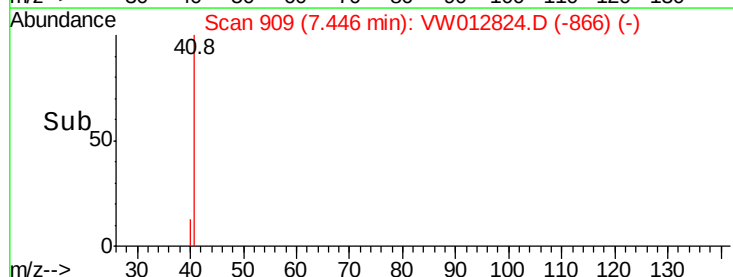
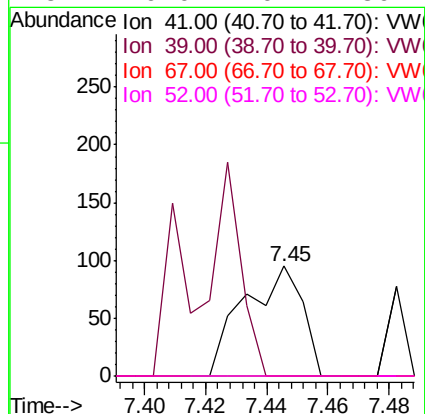
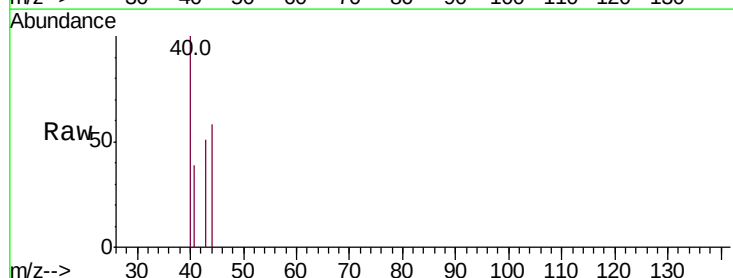
Ion Ratio Lower Upper

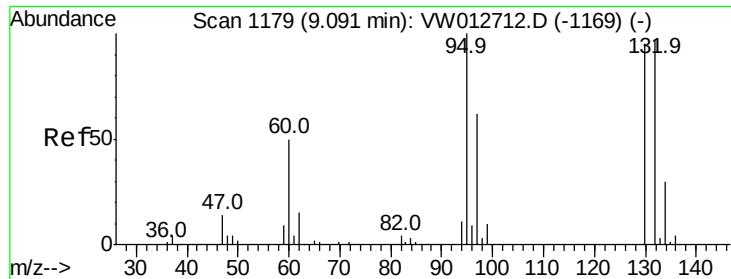
41 100

39 150.4 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#





#44

Trichloroethene

Concen: 12.906 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012824.D

Acq: 09 Sep 2019 16:24

Instrument :

MSVOA_W

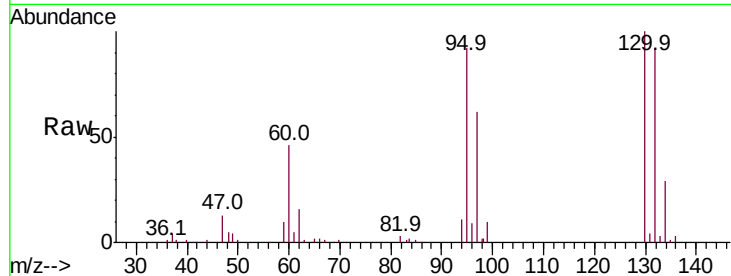
ClientSampleId :

Tot Ion:130 Resp: 27499

Ion Ratio Lower Upper

130 100

95 91.5 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): VW

Ion 94.90 (94.60 to 95.60): VW

9.09

15000

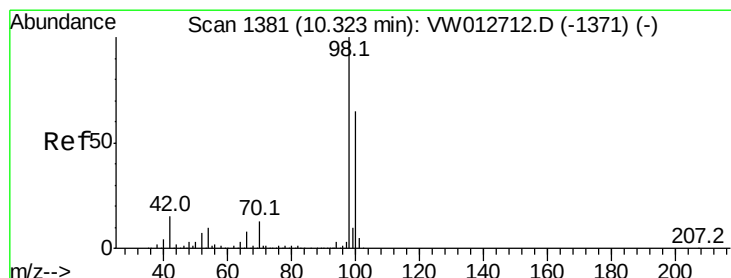
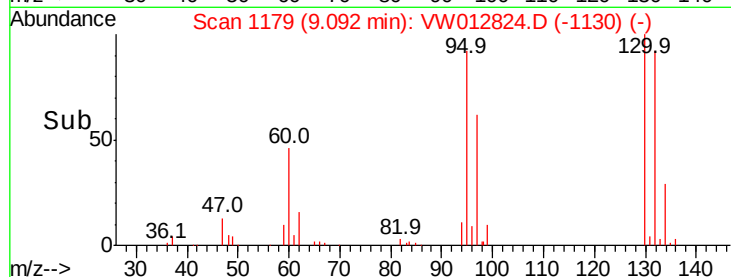
10000

5000

0

Time-->

9.00 9.05 9.10 9.15



#50

Toluene-d8

Concen: 50.160 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012824.D

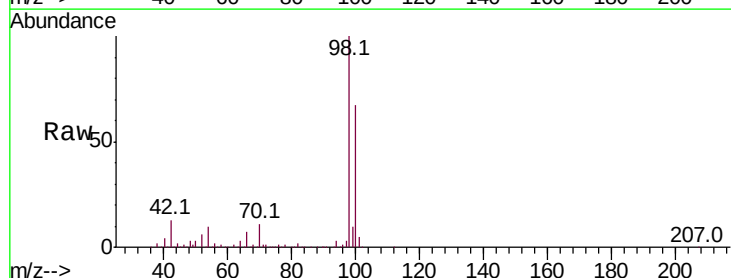
Acq: 09 Sep 2019 16:24

Tgt Ion: 98 Resp: 391744

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

150000

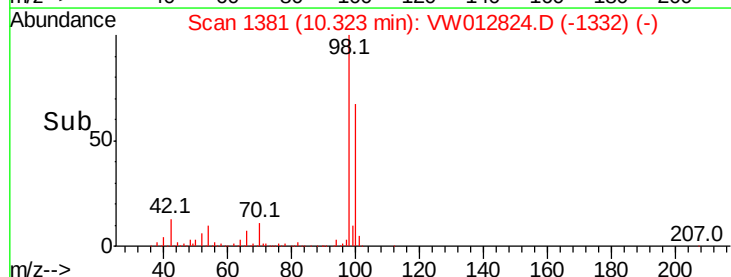
100000

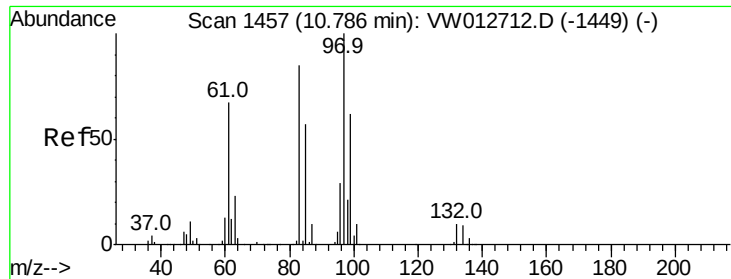
50000

0

Time-->

10.30 10.32 10.34 10.36 10.38 10.40

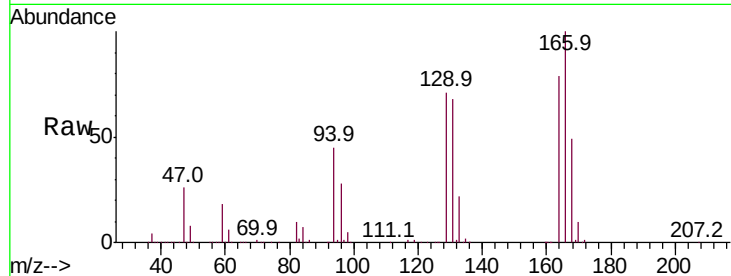




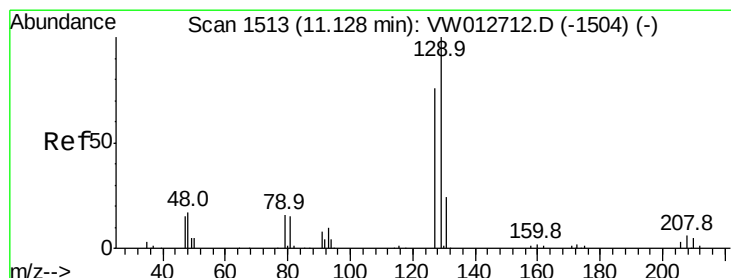
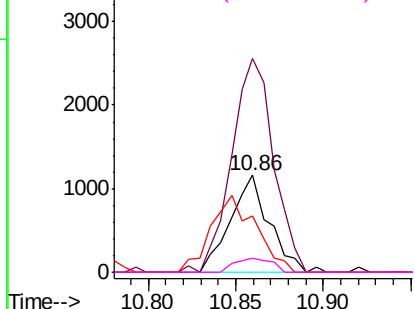
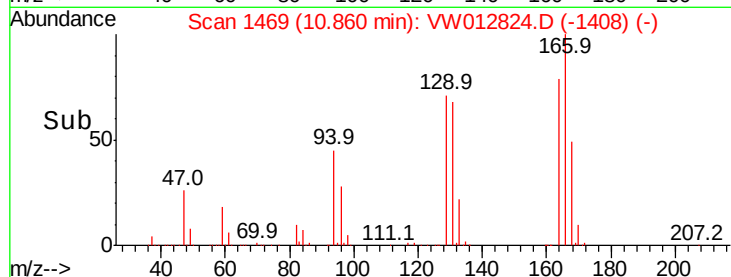
#55
 1,1,2-Trichloroethane
 Concen: 1.106 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.07 min
 Lab File: VW012824.D
 Acq: 09 Sep 2019 16:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 1797
 Ion Ratio Lower Upper
 97 100
 83 220.2 68.1 102.1#
 85 58.1 45.3 67.9
 99 14.3 50.0 75.0#

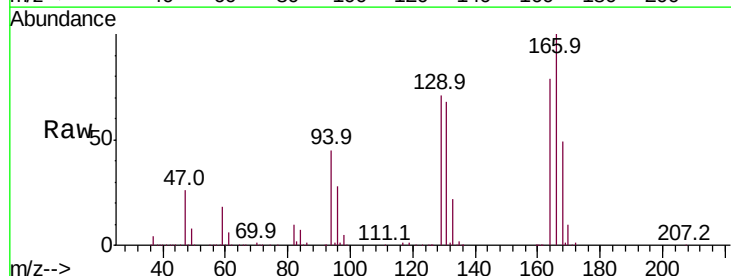


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

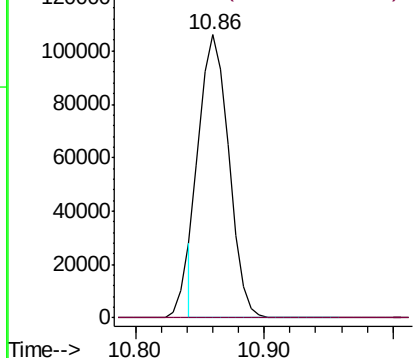
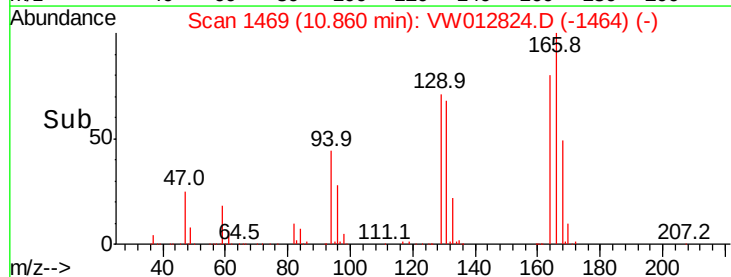


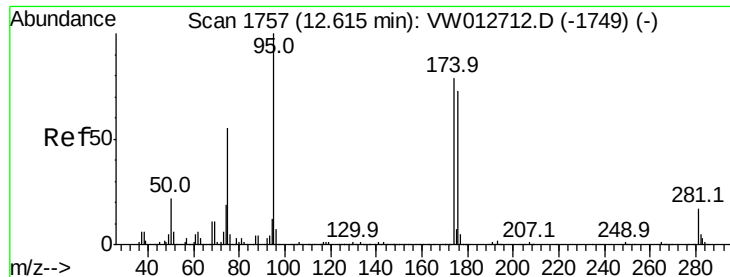
#60
 Dibromochloromethane
 Concen: 88.324 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.27 min
 Lab File: VW012824.D
 Acq: 09 Sep 2019 16:24

Tgt Ion: 129 Resp: 168832
 Ion Ratio Lower Upper
 129 100
 127 0.1 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

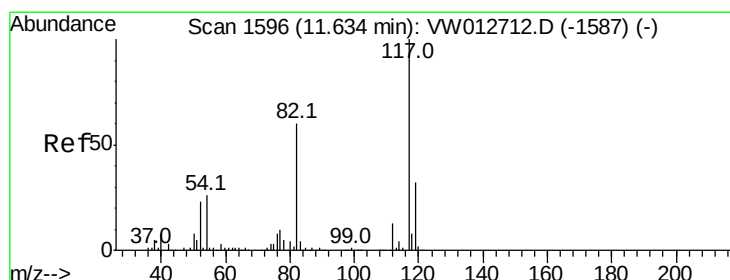
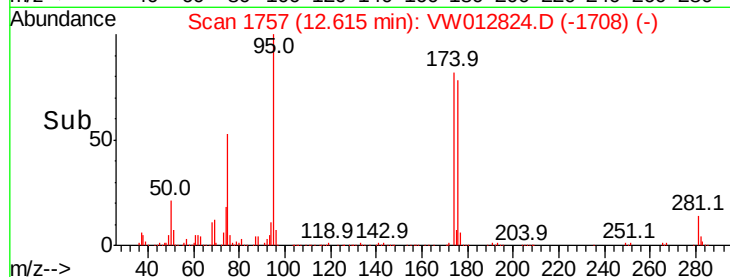
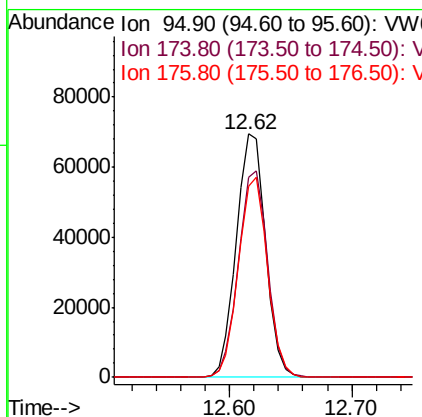
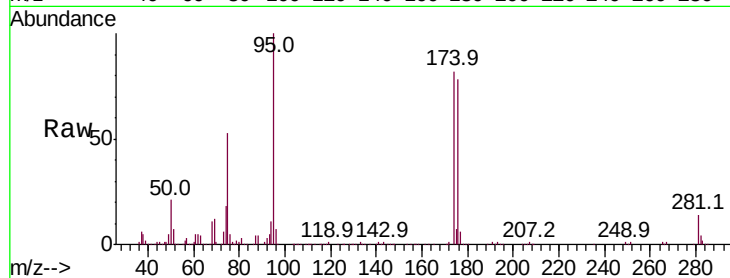




#62
4-Bromofluorobenzene
Concen: 40.576 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012824.D
Acq: 09 Sep 2019 16:24

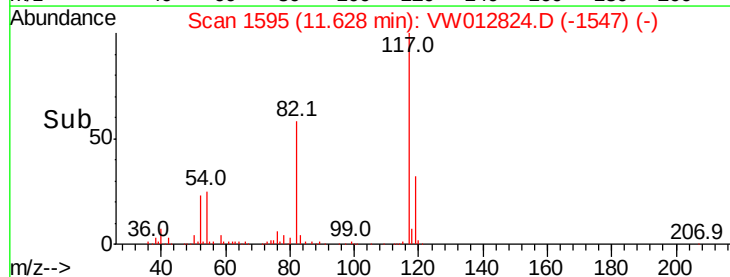
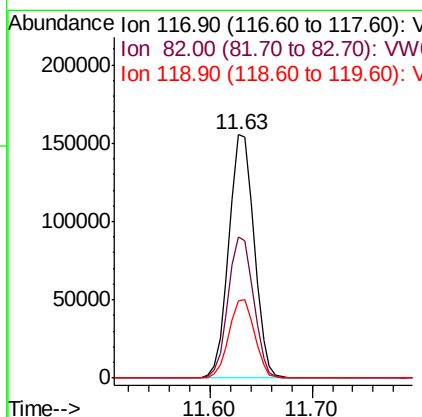
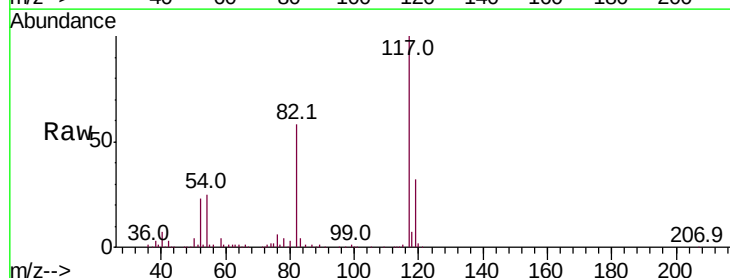
Instrument :
MSVOA_W
ClientSampleId :

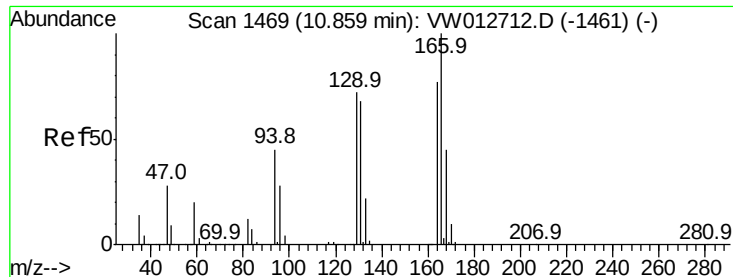
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	161.0
176	81.4	0.0	156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012824.D
Acq: 09 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.9	48.2	72.4
119	31.9	25.8	38.6





#64

Tetrachloroethene

Concen: 125.391 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW012824.D

Acq: 09 Sep 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 202455

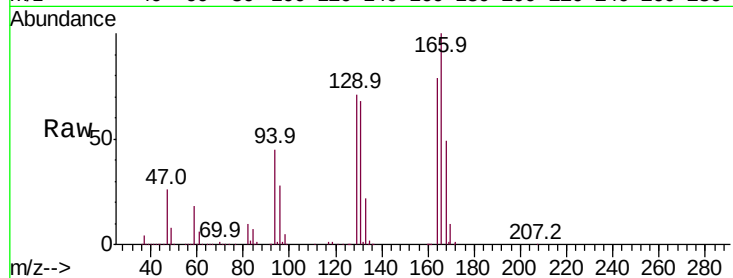
Ion Ratio Lower Upper

164 100

166 125.8 103.6 155.4

129 88.8 74.6 112.0

131 85.5 70.6 106.0

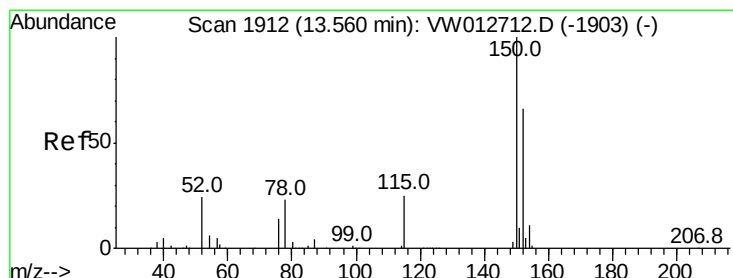
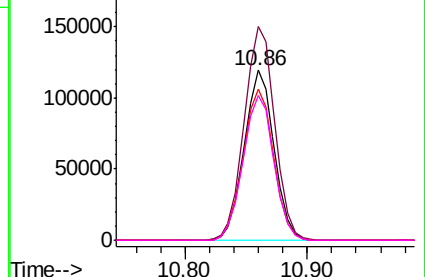
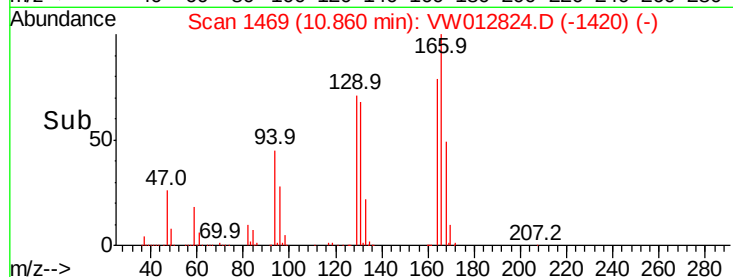


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012824.D

Acq: 09 Sep 2019 16:24

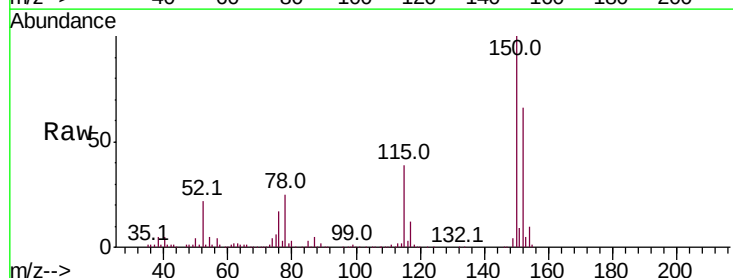
Tgt Ion:152 Resp: 102097

Ion Ratio Lower Upper

152 100

115 58.1 30.0 90.1

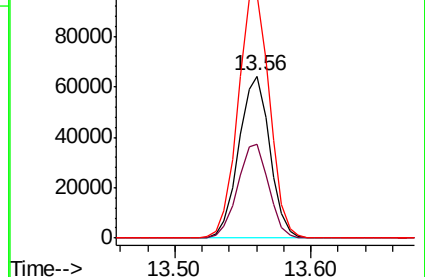
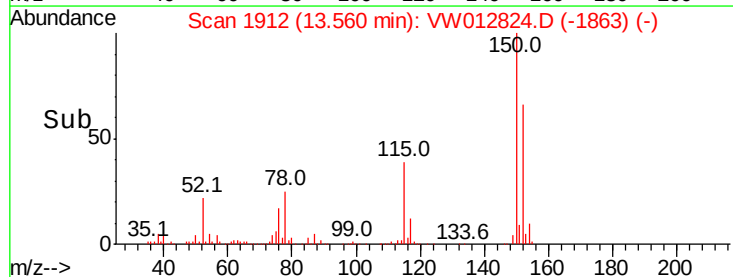
150 154.0 0.0 349.0

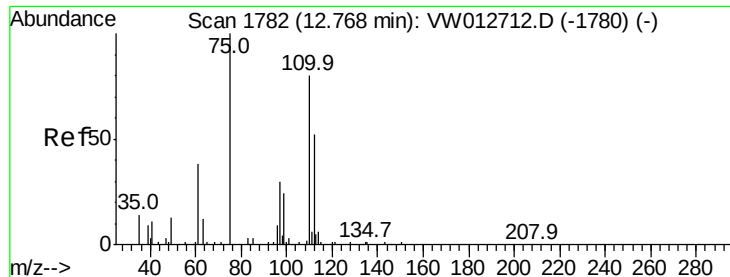


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

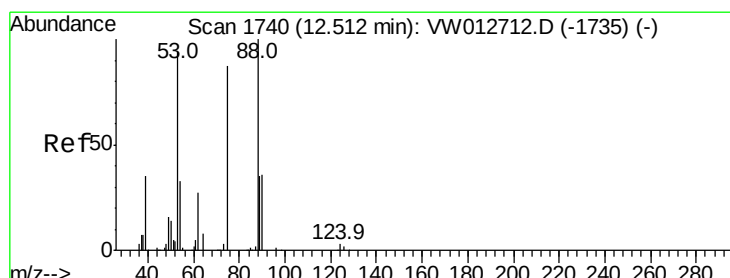
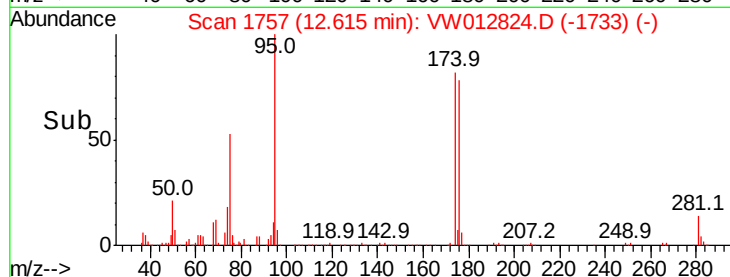
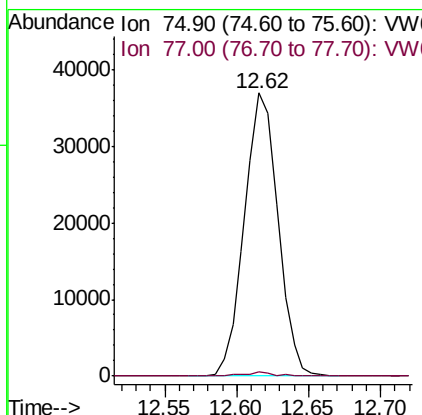
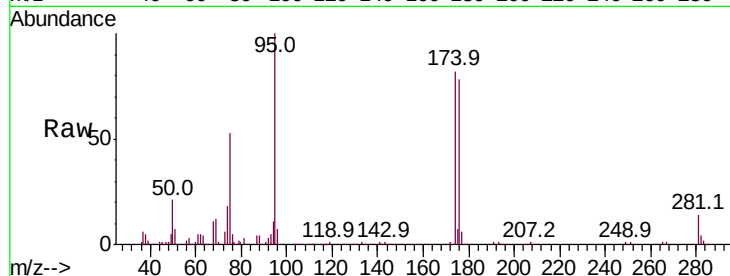




#76
 1,2,3-Trichloropropane
 Concen: 57.219 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012824.D
 Acq: 09 Sep 2019 16:24

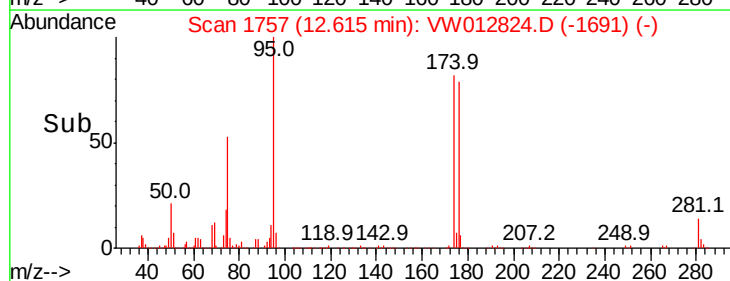
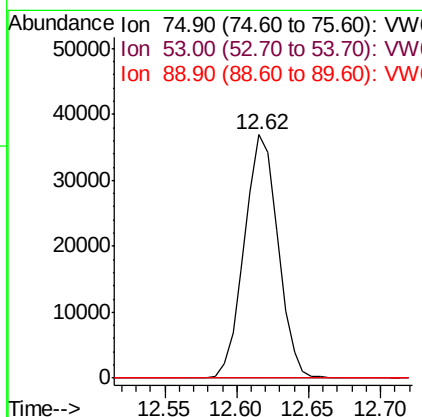
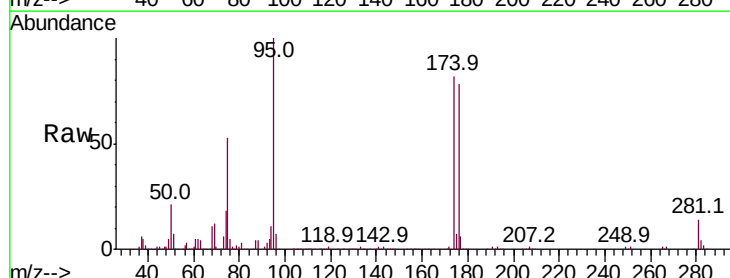
Instrument :
 MSVOA_W
 ClientSampled :

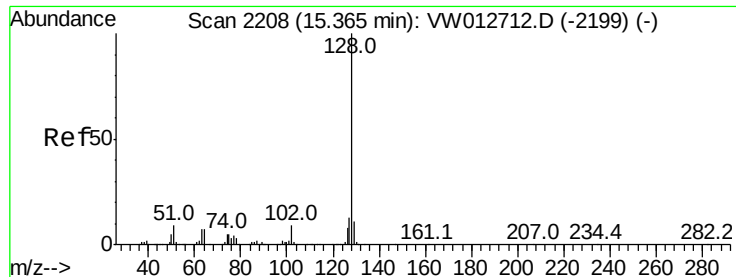
Tot Ion: 75 Resp: 59736
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.022 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012824.D
 Acq: 09 Sep 2019 16:24

Tgt Ion: 75 Resp: 59736
 Ion Ratio Lower Upper
 75 100
 53 0.1 87.6 131.4#
 89 0.0 35.5 53.3#





#95

Naphthalene

Concen: 4.465 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012824.D

Acq: 09 Sep 2019 16:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:128 Resp: 123

Ion Ratio Lower Upper

128 100

127 29.3 10.7 16.1#

129 0.0 8.7 13.1#

