

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014589.D
 Acq On : 09 Jan 2020 18:13
 Operator : SY/VA
 Sample : L1063-04
 Misc : 8.58G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 10 00:48:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	634574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	953806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	629384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	179536	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	294753	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
35) Dibromofluoromethane	7.88	113	307776	56.46	ug/l	0.00
Spiked Amount			Recovery	=	112.92%	
50) Toluene-d8	10.32	98	1116889	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.62	95	252481	32.72	ug/l	0.00
Spiked Amount			Recovery	=	65.44%	

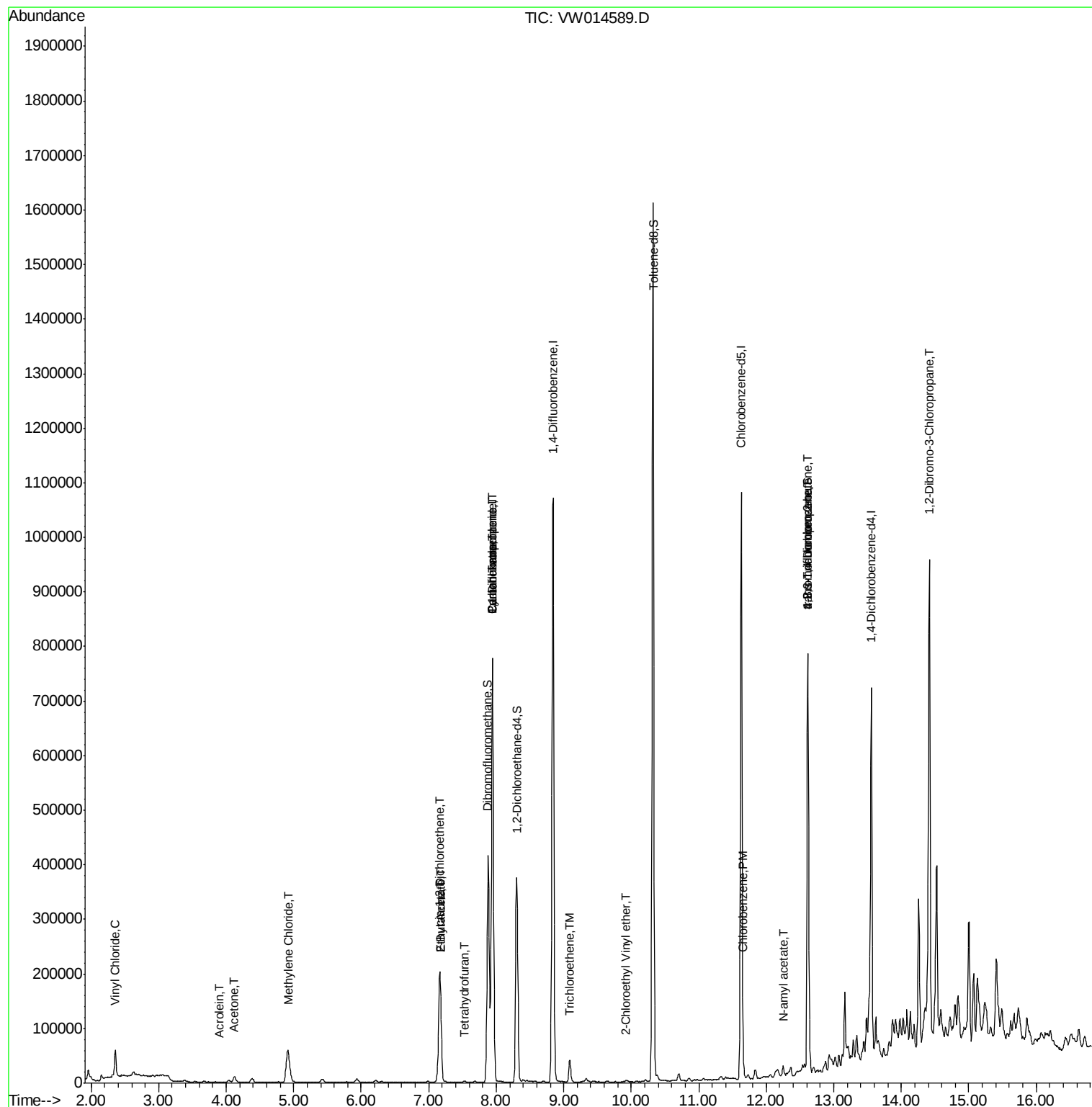
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	48474	7.515	ug/l	98
11) Tert butyl alcohol	5.17	59	799	Below Cal	#	93
13) Acrolein	3.90	56	559	1.154	ug/l #	46
16) Acetone	4.12	43	18692	11.931	ug/l	97
20) Methylene Chloride	4.92	84	55962	4.742	ug/l	95
25) 2-Butanone	7.18	43	5188	2.580	ug/l #	84
27) cis-1,2-Dichloroethene	7.17	96	126218	17.914	ug/l	93
29) Tetrahydrofuran	7.53	42	1349	1.083	ug/l #	49
31) Cyclohexane	7.94	56	12988	1.097	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	41446	4.507	ug/l #	49
37) Ethyl Acetate	7.18	43	5188	1.244	ug/l #	1
38) Carbon Tetrachloride	7.95	117	56168	7.041	ug/l #	16
44) Trichloroethene	9.09	130	15104	2.146	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.93	63	1826	1.004	ug/l	100
65) Chlorobenzene	11.66	112	13781	1.069	ug/l	98
74) N-amyl acetate	12.25	43	3975	1.346	ug/l #	73
76) 1,2,3-Trichloropropane	12.62	75	117715	69.347	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	117715	154.507	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.41	75	869	2.308	ug/l	82

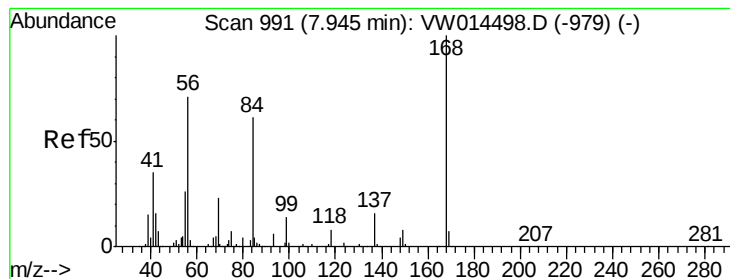
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\
Data File : VW014589.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
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: VW014589.D

Acq: 09 Jan 2020 18:13

Instrument :

MSVOA_W

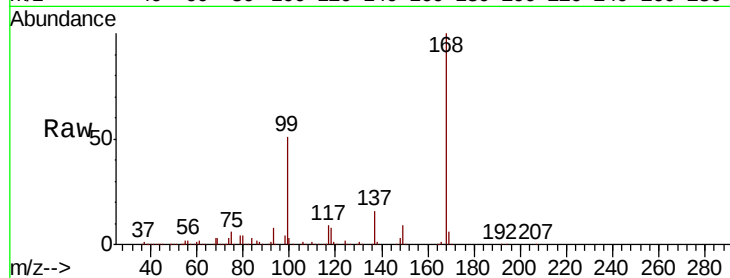
ClientSampleId :

Tot Ion:168 Resp: 634574

Ion Ratio Lower Upper

168 100

99 50.9 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

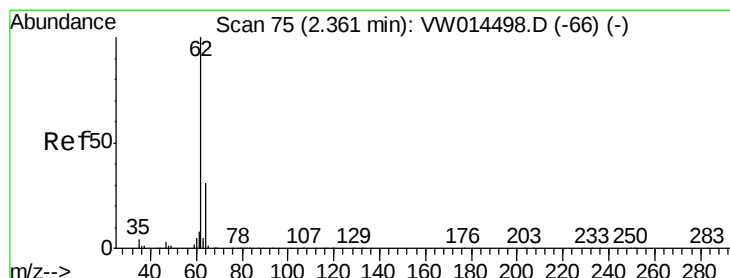
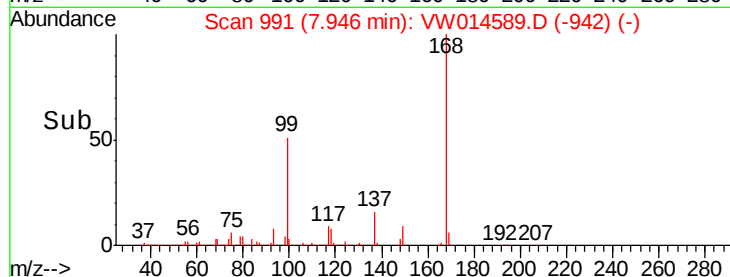
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 7.515 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014589.D

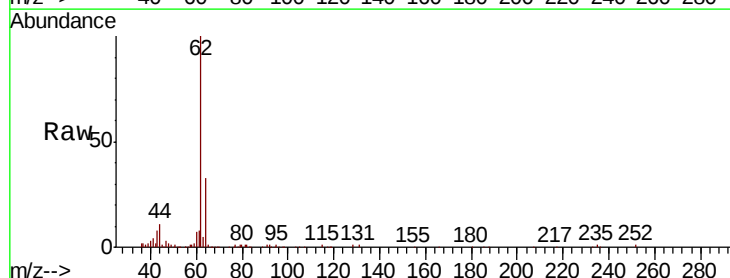
Acq: 09 Jan 2020 18:13

Tgt Ion: 62 Resp: 48474

Ion Ratio Lower Upper

62 100

64 32.4 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

30000

25000

20000

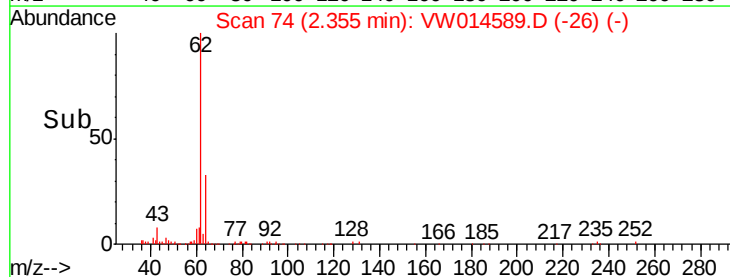
15000

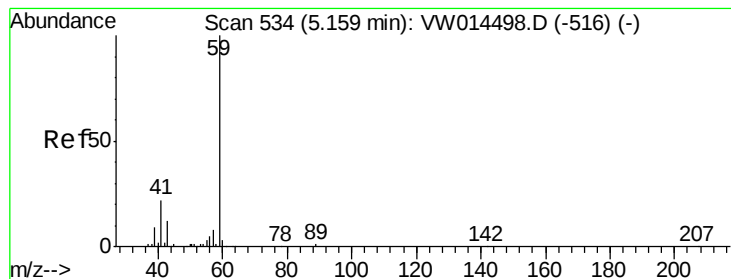
10000

5000

0

Time-->



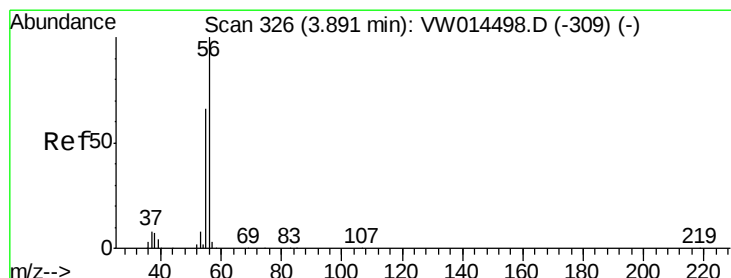
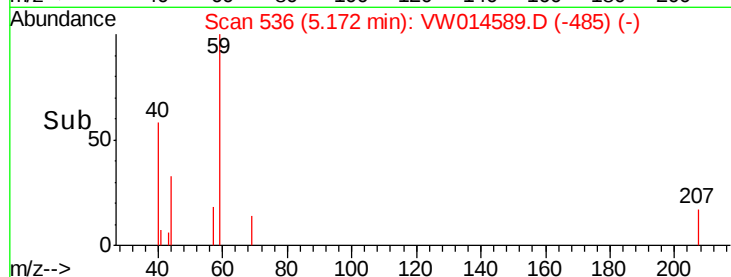
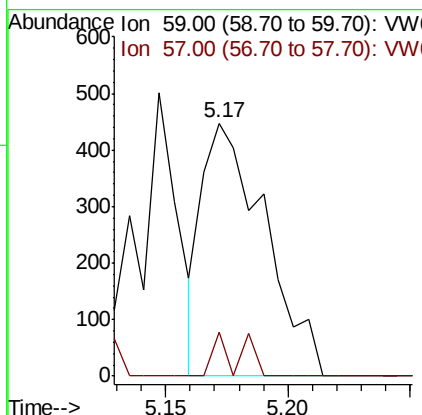
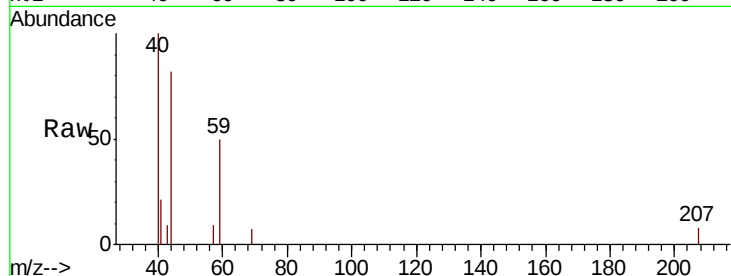


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW014589.D
Acq: 09 Jan 2020 18:13

Instrument :
MSVOA_W
ClientSampled :

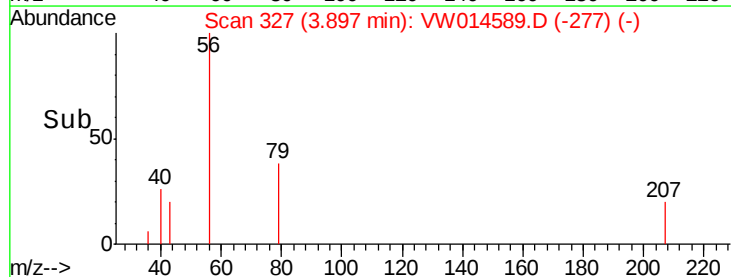
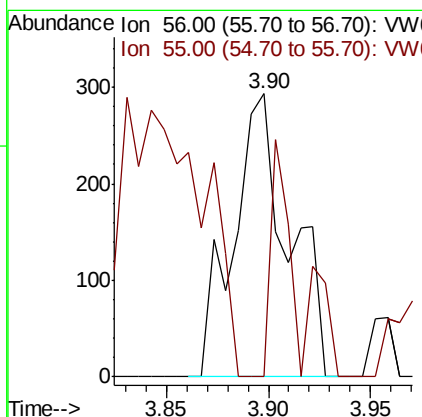
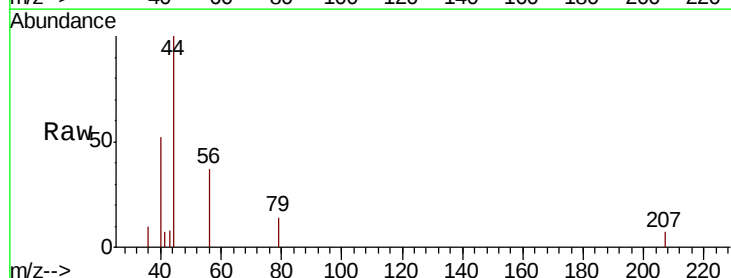
Tot Ion: 59 Resp: 799
Ion Ratio Lower Upper
59 100
57 7.1 7.8 11.8#

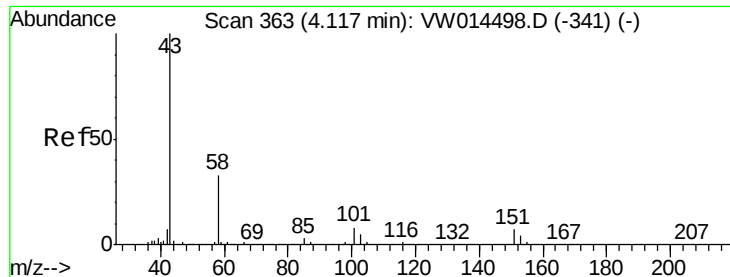


#13

Acrolein
Concen: 1.154 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW014589.D
Acq: 09 Jan 2020 18:13

Tgt Ion: 56 Resp: 559
Ion Ratio Lower Upper
56 100
55 26.5 56.7 85.1#

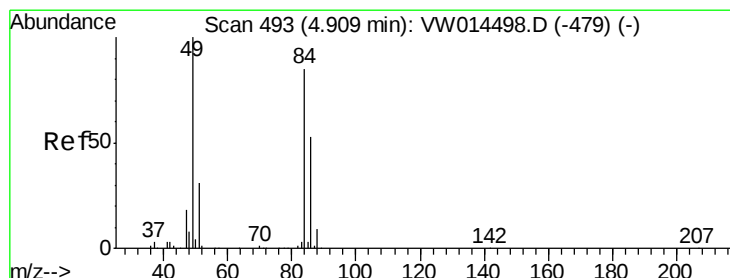
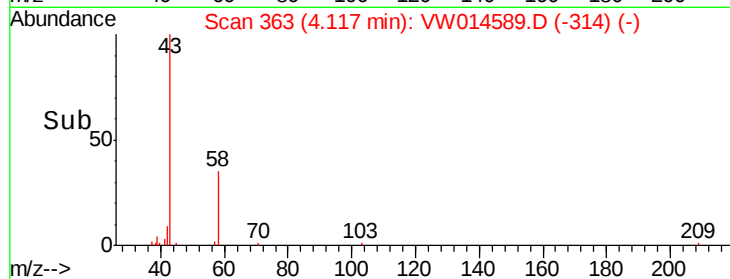
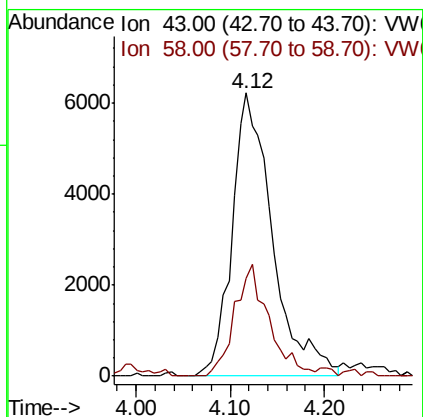
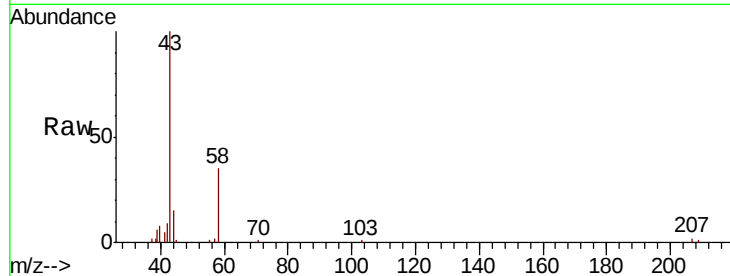




#16
Acetone
Concen: 11.931 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW014589.D
Acq: 09 Jan 2020 18:13

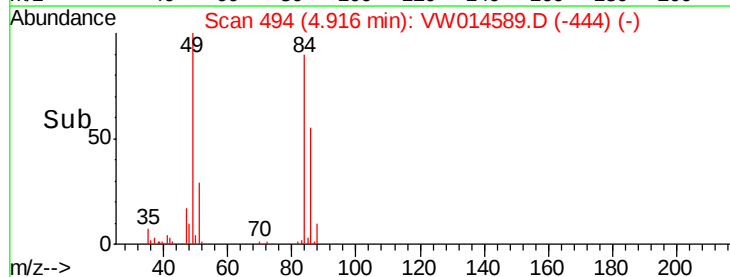
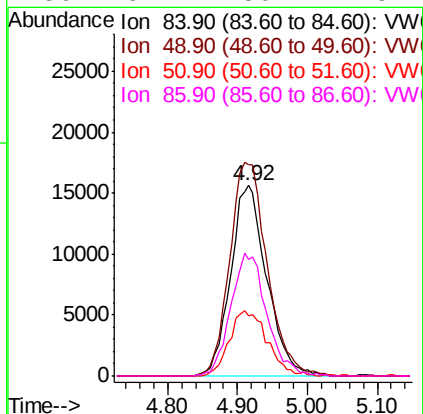
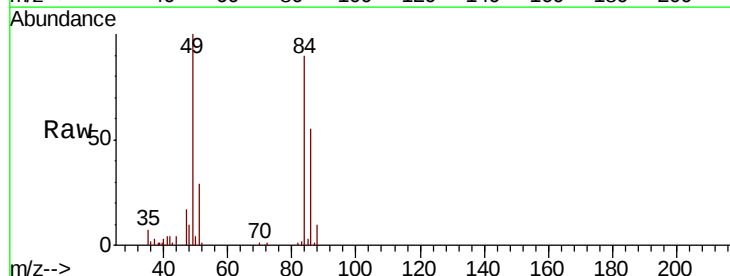
Instrument :
MSVOA_W
ClientSampleId :

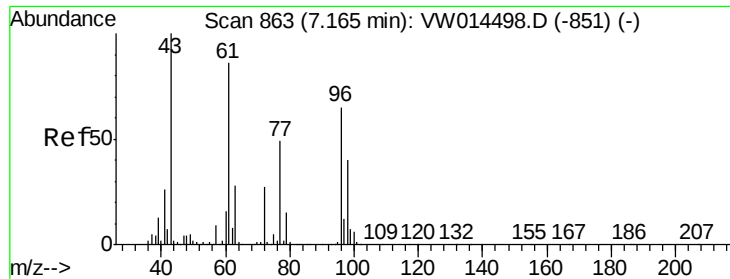
Tot Ion: 43 Resp: 18692
Ion Ratio Lower Upper
43 100
58 34.7 26.6 39.8



#20
Methylene Chloride
Concen: 4.742 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014589.D
Acq: 09 Jan 2020 18:13

Tgt Ion: 84 Resp: 55962
Ion Ratio Lower Upper
84 100
49 111.3 94.4 141.6
51 31.9 29.5 44.3
86 61.2 50.2 75.2





#25

2-Butanone

Concen: 2.580 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW014589.D

Acq: 09 Jan 2020 18:13

Instrument :

MSVOA_W

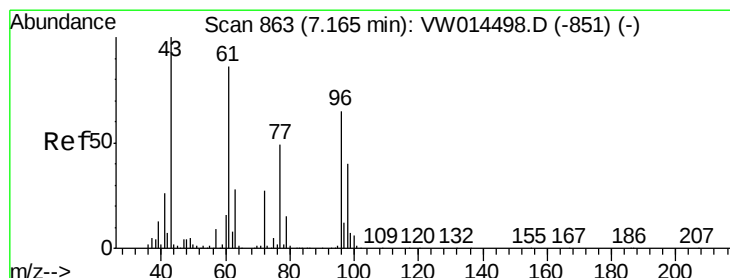
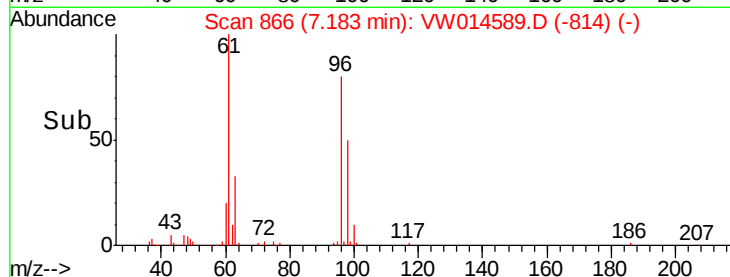
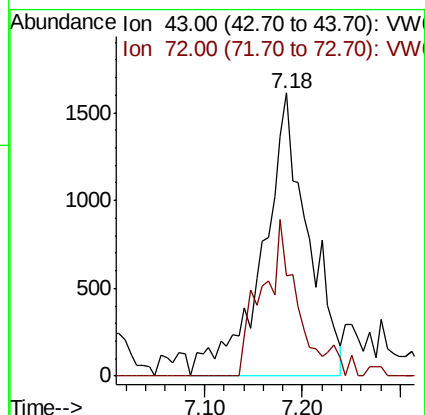
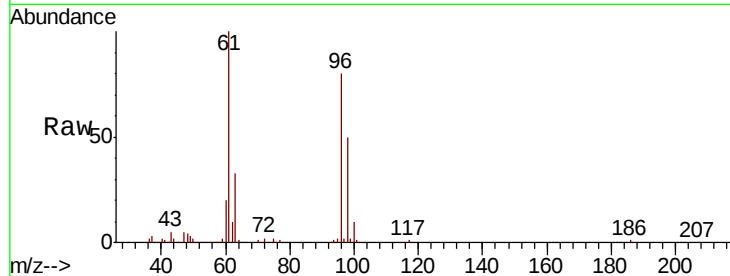
ClientSampled :

Tot Ion: 43 Resp: 5188

Ion Ratio Lower Upper

43 100

72 35.5 21.9 32.9#



#27

cis-1,2-Dichloroethene

Concen: 17.914 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014589.D

Acq: 09 Jan 2020 18:13

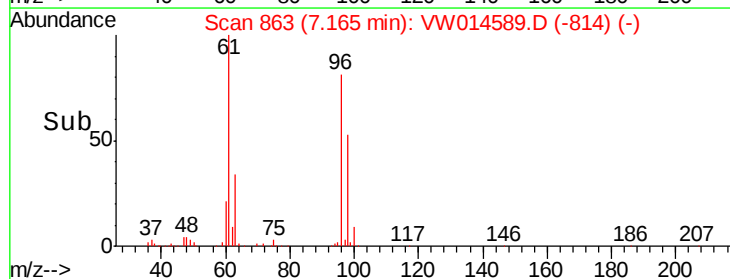
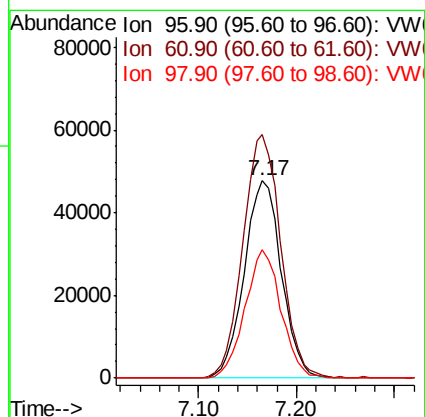
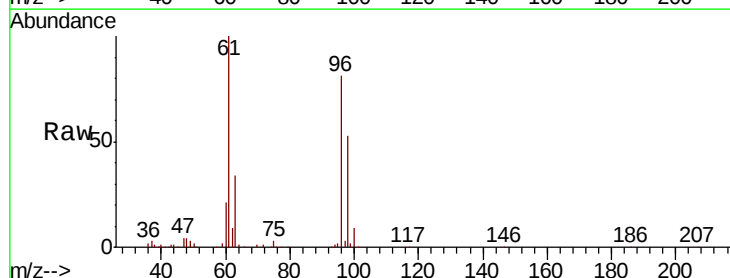
Tgt Ion: 96 Resp: 126218

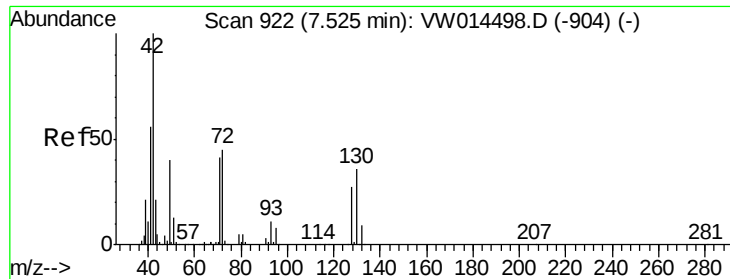
Ion Ratio Lower Upper

96 100

61 125.9 0.0 274.8

98 63.1 0.0 128.6

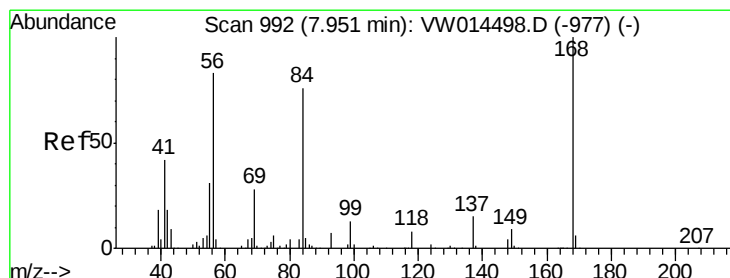
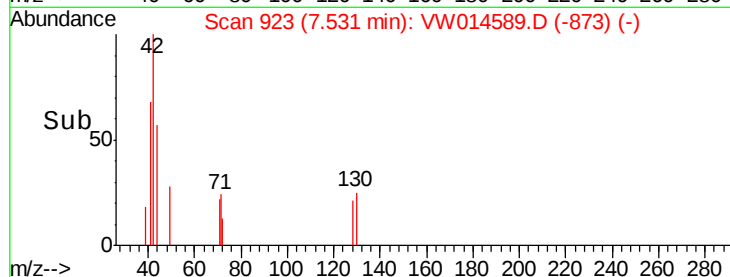
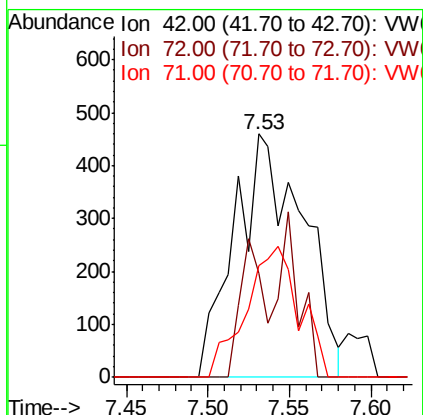
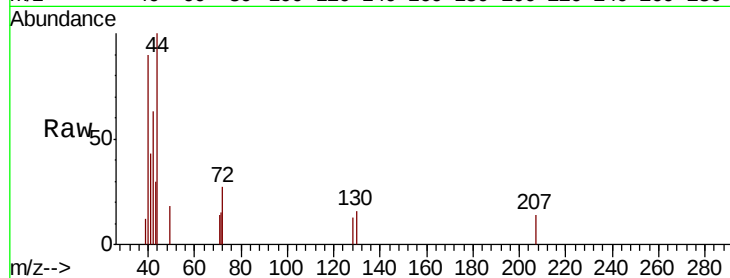




#29
Tetrahydrofuran
Concen: 1.083 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW014589.D
Acq: 09 Jan 2020 18:13

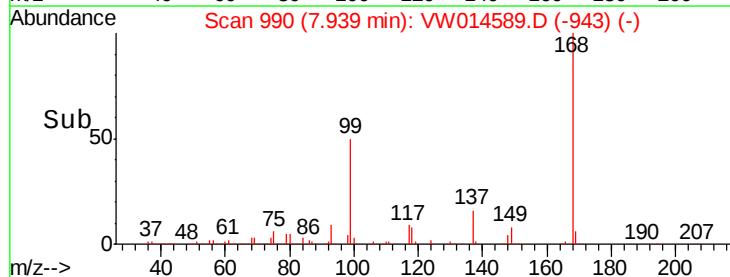
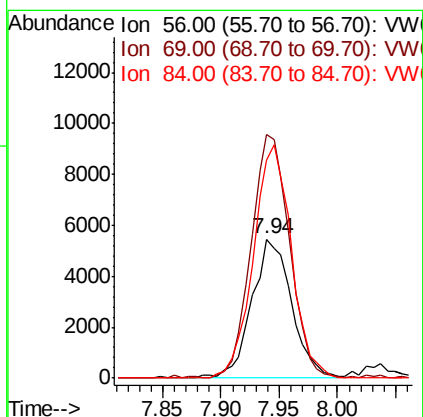
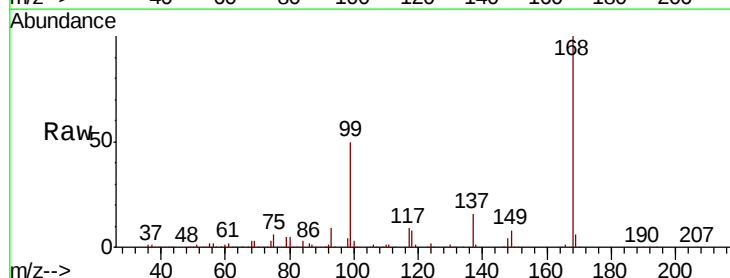
Instrument :
MSVOA_W
ClientSampled :

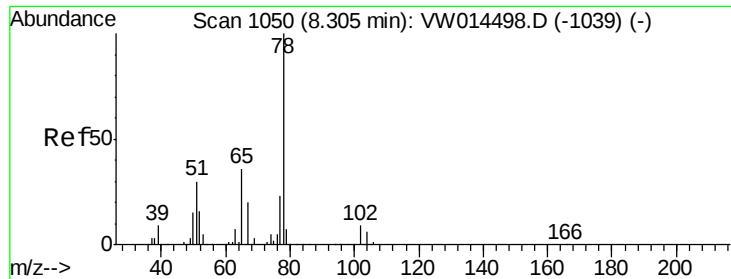
Tot Ion	Ratio	Lower	Upper
42	100		
72	18.8	34.5	51.7#
71	0.0	32.0	48.0#



#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW014589.D
Acq: 09 Jan 2020 18:13

Tgt Ion	Ratio	Lower	Upper
56	100		
69	173.9	26.8	40.2#
84	157.1	71.8	107.6#

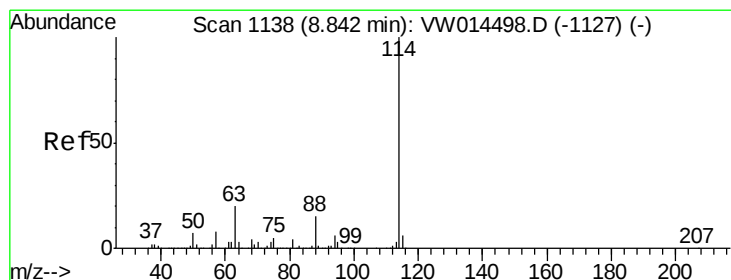
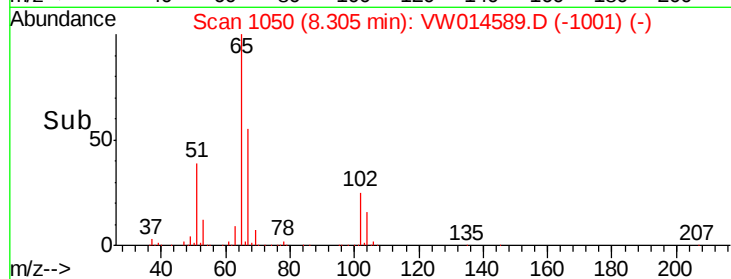
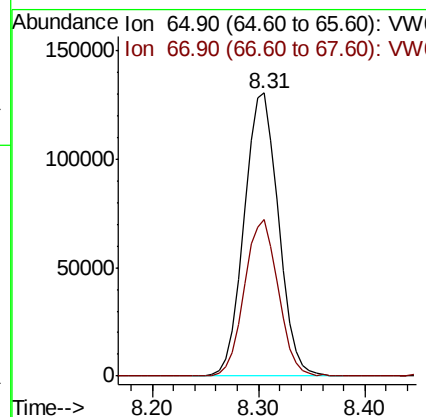
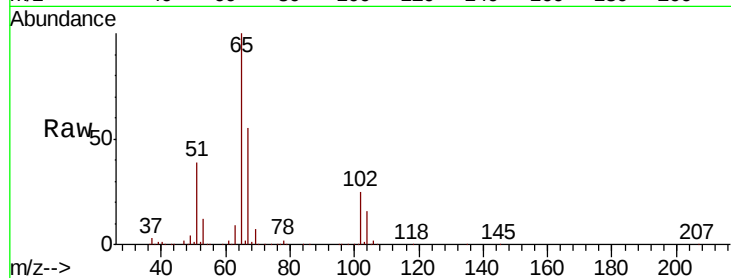




#33
 1,2-Dichloroethane-d4
 Concen: 53.126 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW014589.D
 Acq: 09 Jan 2020 18:13

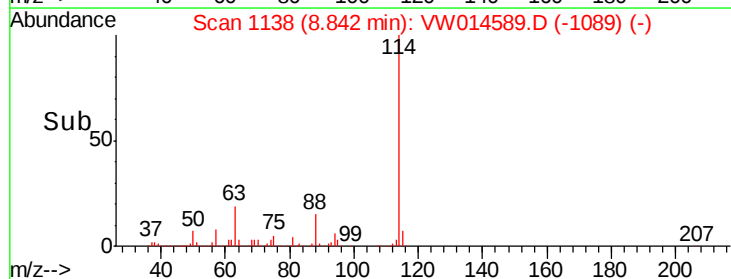
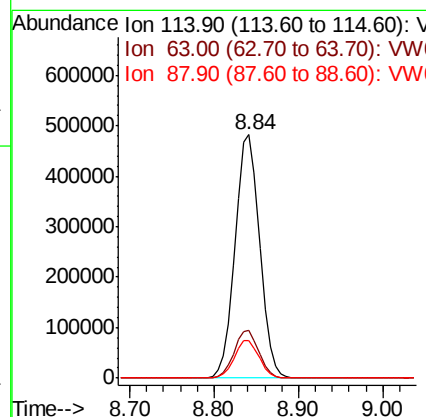
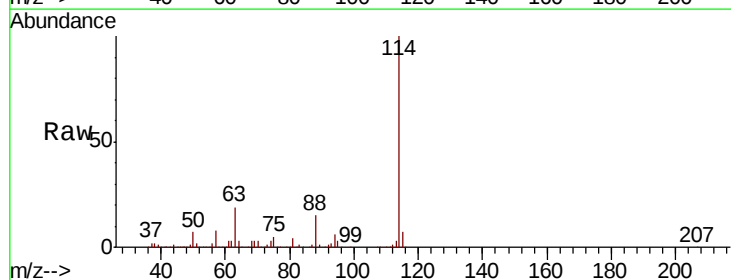
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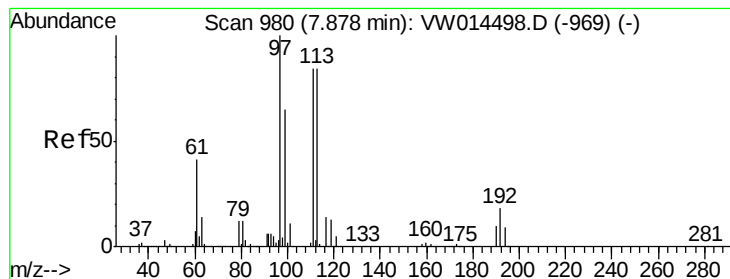
Tot Ion: 65 Resp: 294753
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014589.D
 Acq: 09 Jan 2020 18:13

Tgt Ion: 114 Resp: 953806
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.4
 88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 56.461 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW014589.D

Acq: 09 Jan 2020 18:13

Instrument :

MSVOA_W

ClientSampleId :

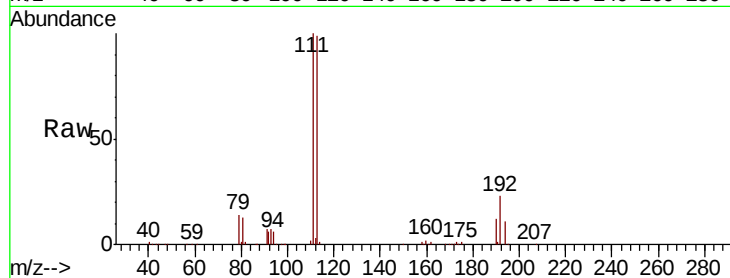
Tot Ion:113 Resp: 307776

Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.2

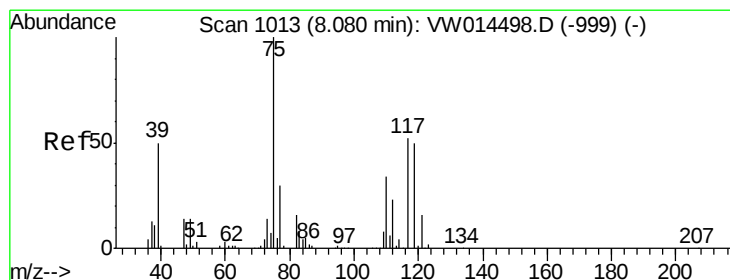
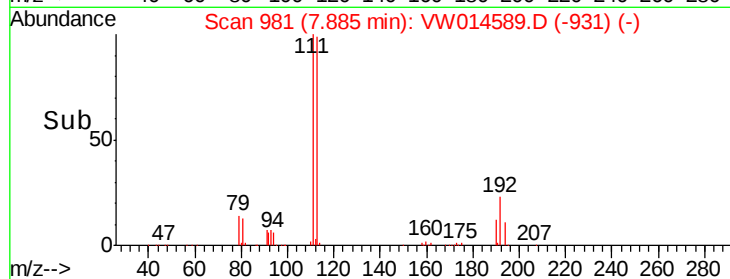
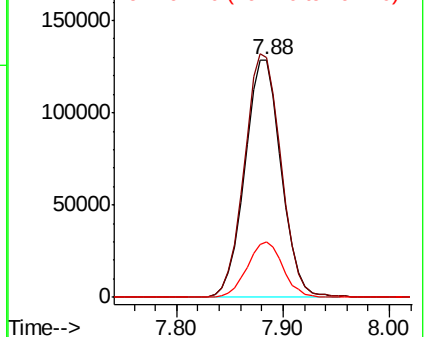
192 23.2 17.8 26.8



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: 4.507 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW014589.D

Acq: 09 Jan 2020 18:13

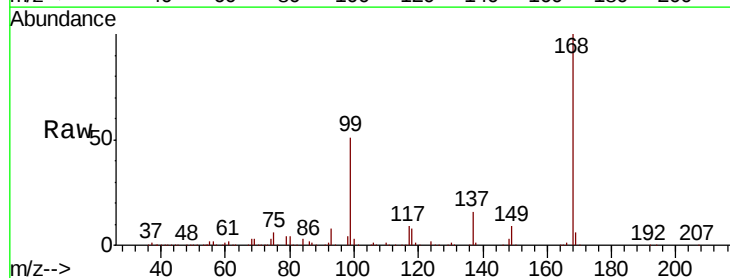
Tgt Ion: 75 Resp: 41446

Ion Ratio Lower Upper

75 100

110 8.7 17.8 53.5#

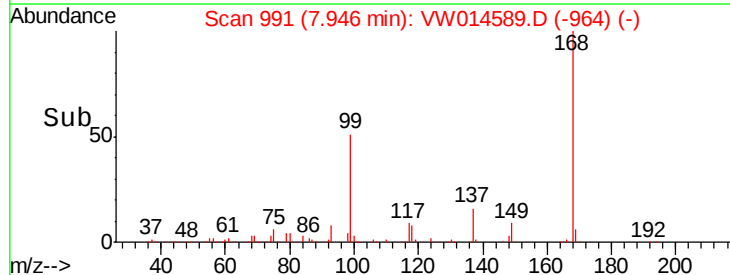
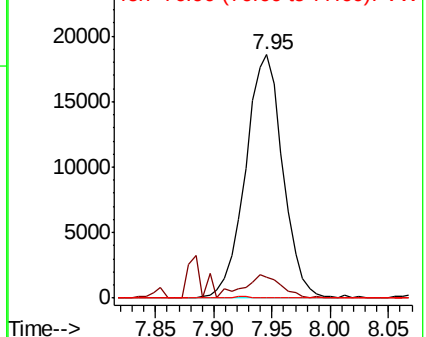
77 0.0 24.7 37.1#

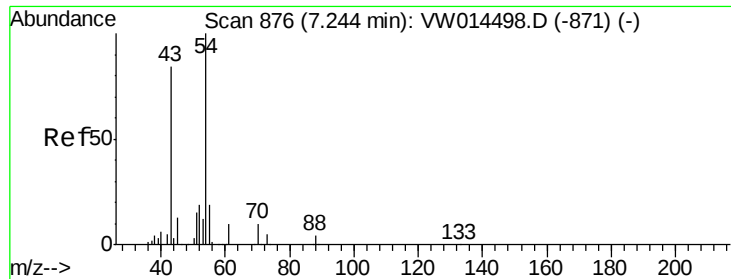


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 1.244 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.06 min

Lab File: VW014589.D

Acq: 09 Jan 2020 18:13

Instrument :

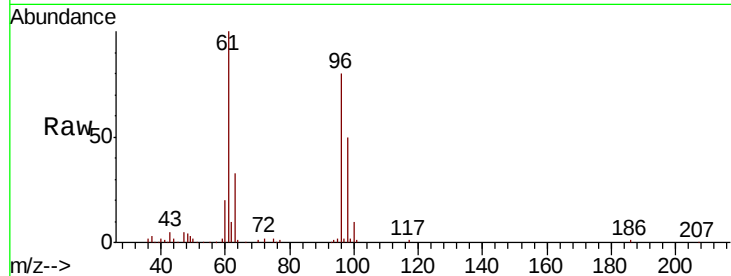
MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 5188

Ion Ratio Lower Upper

43	100		
61	3062.5	11.7	17.5#
70	26.0	9.0	13.6#

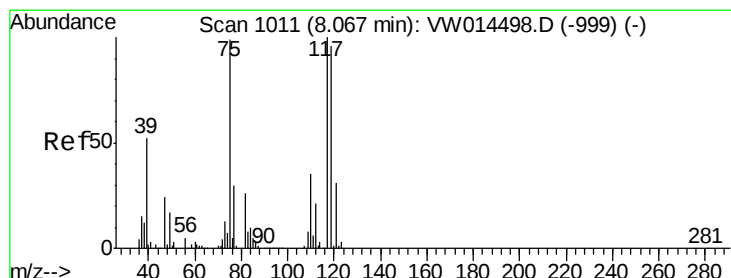
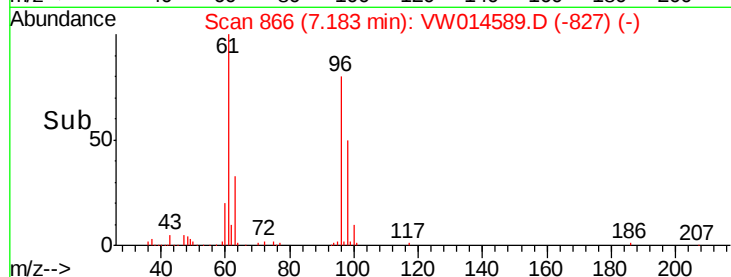
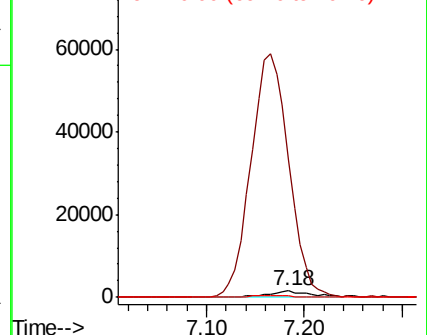


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 7.041 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

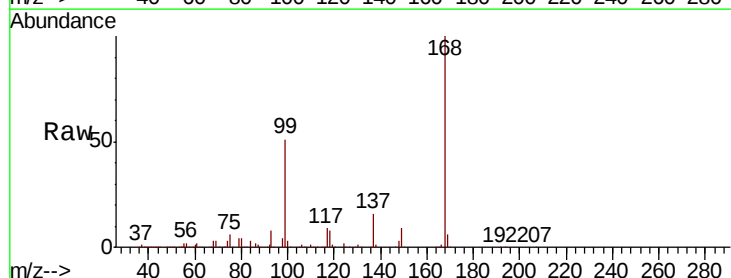
Lab File: VW014589.D

Acq: 09 Jan 2020 18:13

Tgt Ion: 117 Resp: 56168

Ion Ratio Lower Upper

117	100		
119	5.8	77.0	115.6#
121	0.0	24.6	36.8#

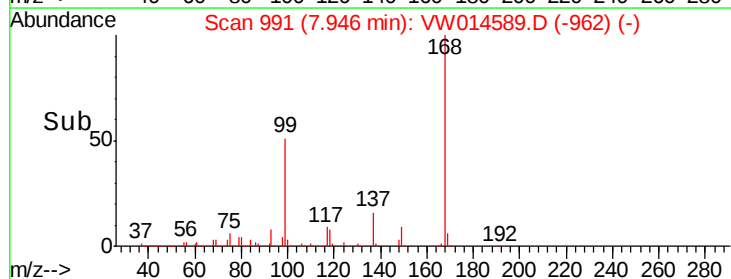
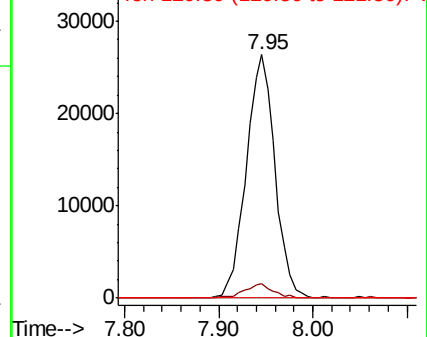


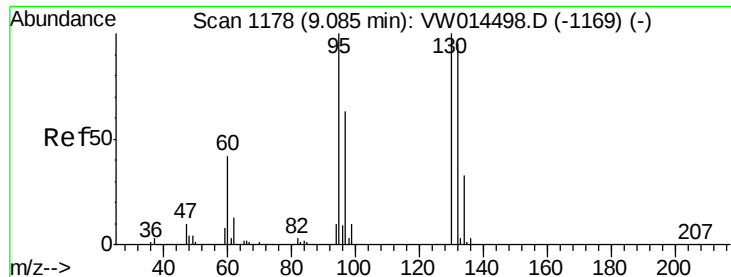
Abundance

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





#44

Trichloroethene

Concen: 2.146 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014589.D

Acq: 09 Jan 2020 18:13

Instrument :

MSVOA_W

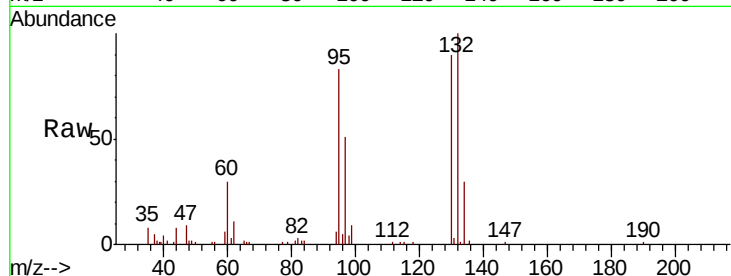
ClientSampleId :

Tot Ion:130 Resp: 15104

Ion Ratio Lower Upper

130 100

95 91.8 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

9.09

8000

6000

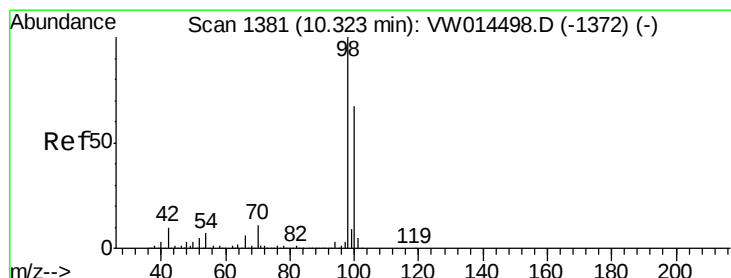
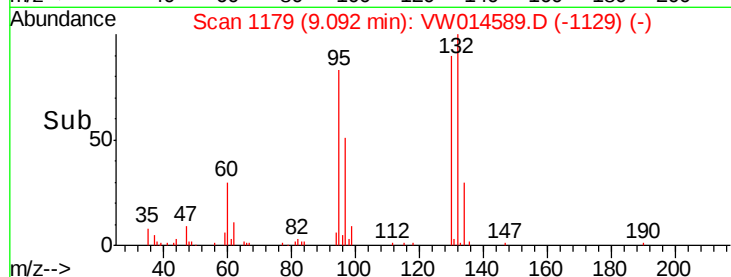
4000

2000

0

Time-->

9.00 9.05 9.10 9.15 9.20



#50

Toluene-d8

Concen: 49.096 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014589.D

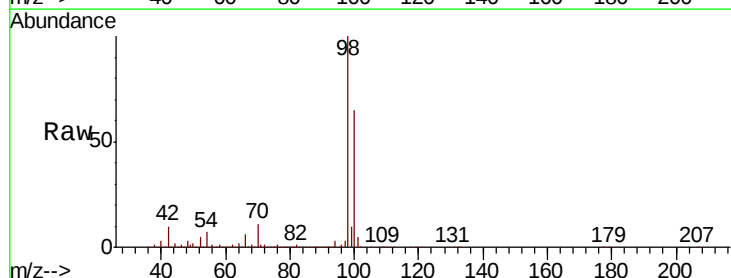
Acq: 09 Jan 2020 18:13

Tgt Ion: 98 Resp: 1116889

Ion Ratio Lower Upper

98 100

100 65.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

600000

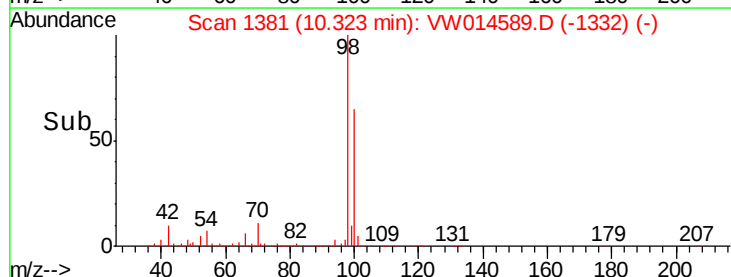
400000

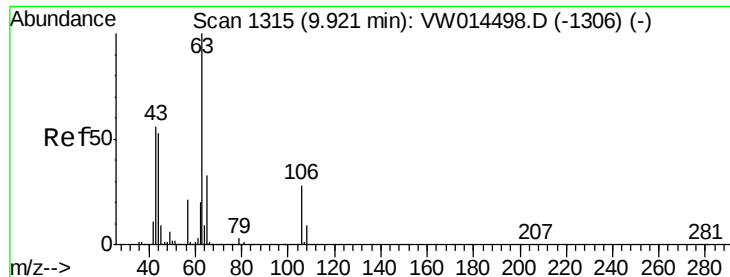
200000

0

Time-->

10.20 10.30 10.40

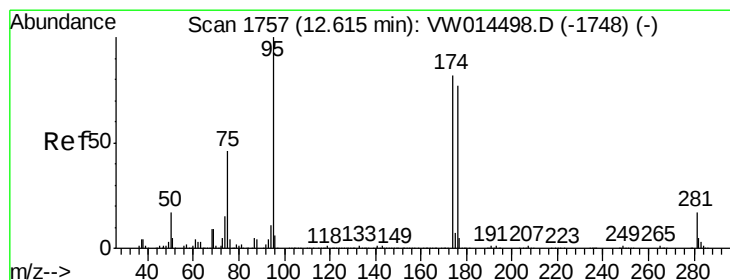
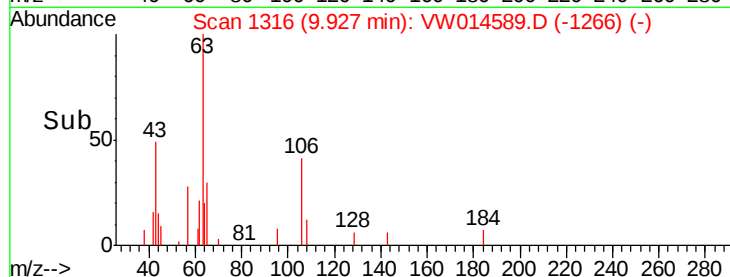
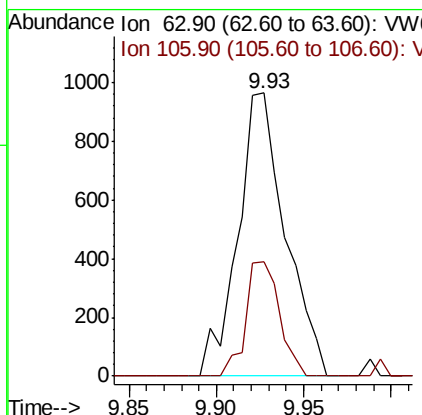
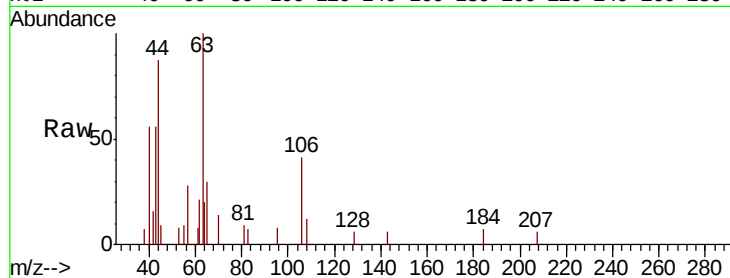




#58
2-Chloroethyl Vinyl ether
Concen: 1.004 ug/l
RT: 9.93 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VW014589.D
Acq: 09 Jan 2020 18:13

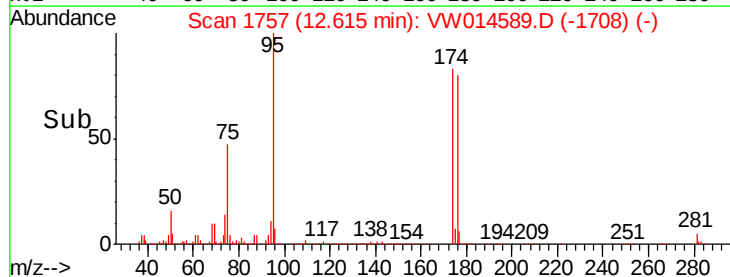
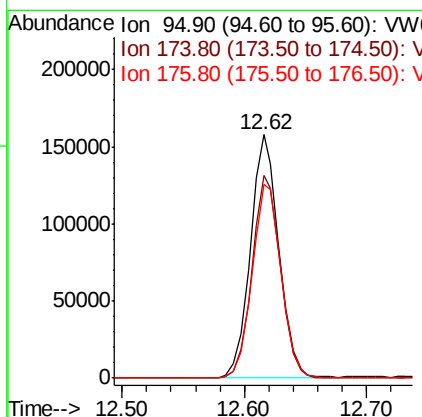
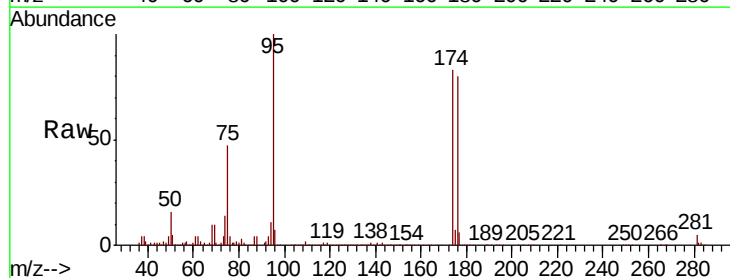
Instrument :
MSVOA_W
ClientSampled :

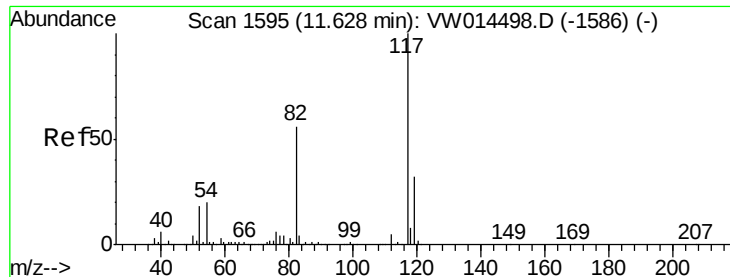
Tot Ion: 63 Resp: 1826
Ion Ratio Lower Upper
63 100
106 28.6 23.0 34.6



#62
4-Bromofluorobenzene
Concen: 32.721 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014589.D
Acq: 09 Jan 2020 18:13

Tgt Ion: 95 Resp: 252481
Ion Ratio Lower Upper
95 100
174 84.6 0.0 168.6
176 81.8 0.0 162.0

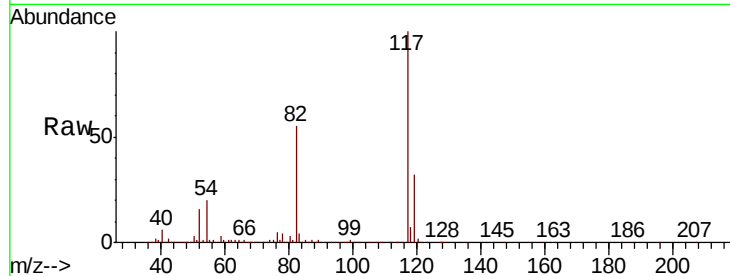




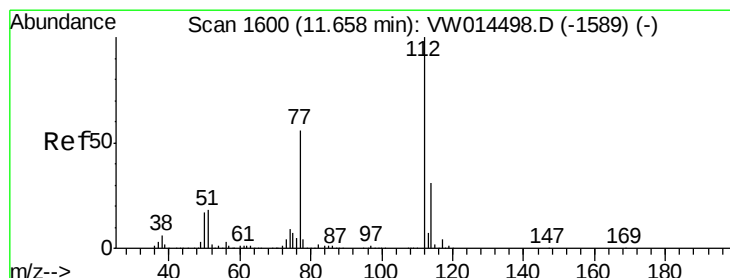
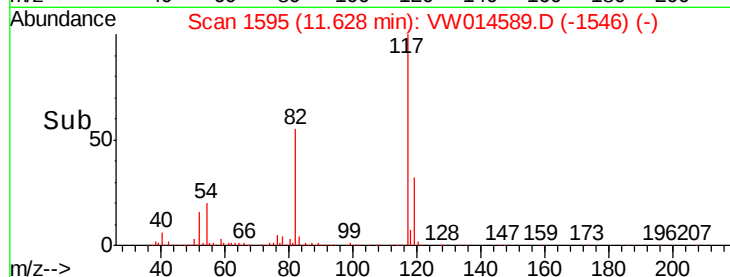
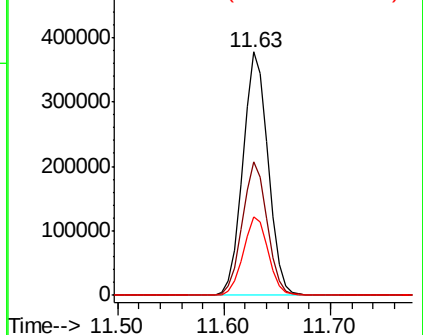
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014589.D
Acq: 09 Jan 2020 18:13

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 629384
Ion Ratio Lower Upper
117 100
82 55.0 44.6 67.0
119 32.2 25.7 38.5

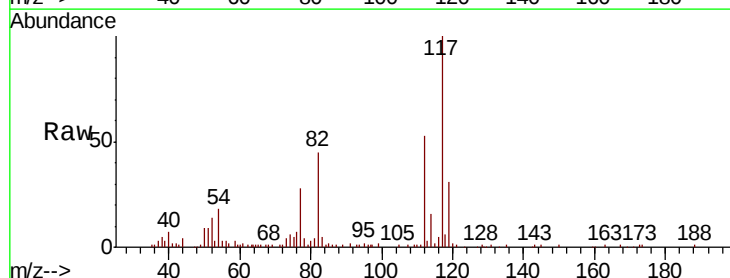


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

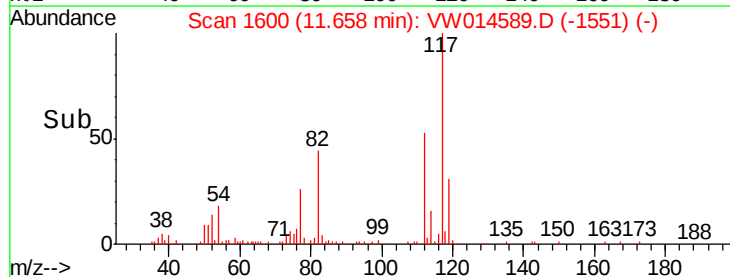
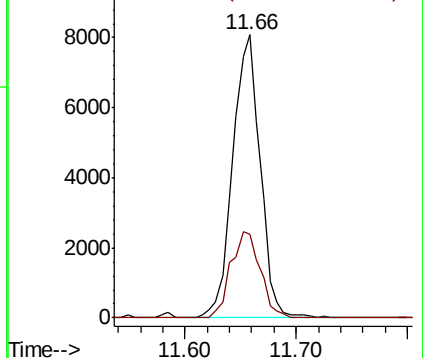


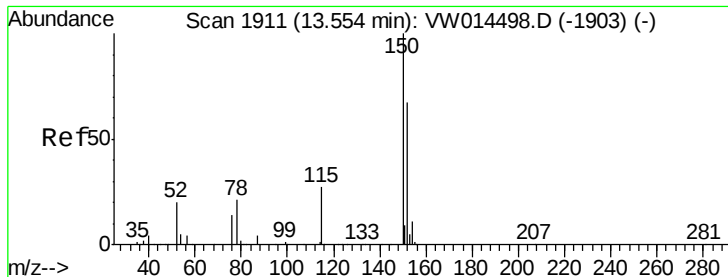
#65
Chlorobenzene
Concen: 1.069 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW014589.D
Acq: 09 Jan 2020 18:13

Tgt Ion:112 Resp: 13781
Ion Ratio Lower Upper
112 100
114 29.6 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014589.D

Acq: 09 Jan 2020 18:13

Instrument :

MSVOA_W

ClientSampled :

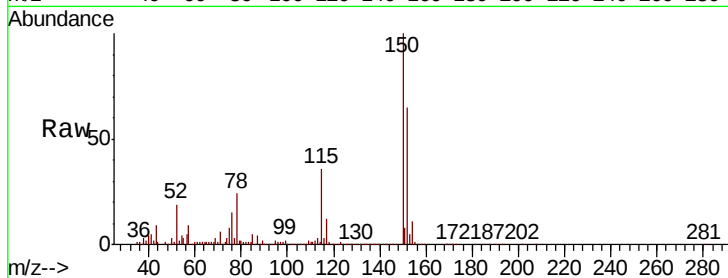
Tot Ion:152 Resp: 179536

Ion Ratio Lower Upper

152 100

115 52.7 27.7 83.1

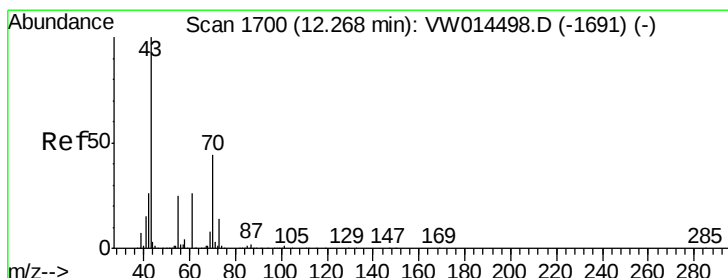
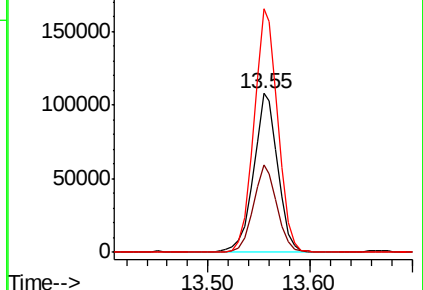
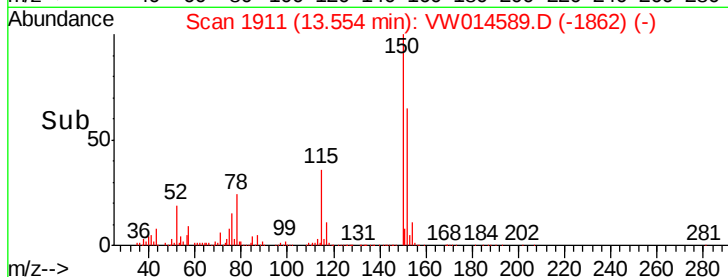
150 149.7 0.0 343.4



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



#74

N-ethyl acetate

Concen: 1.346 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW014589.D

Acq: 09 Jan 2020 18:13

Tgt Ion: 43 Resp: 3975

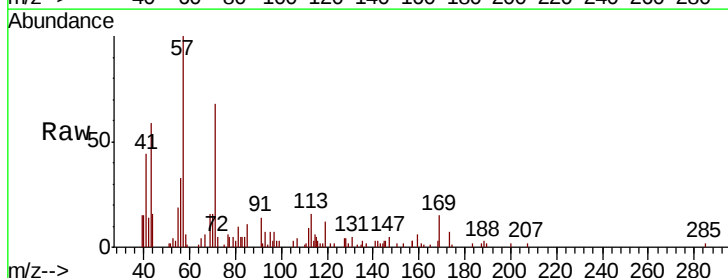
Ion Ratio Lower Upper

43 100

70 33.9 36.5 54.7#

55 35.9 20.9 31.3#

61 0.0 20.7 31.1#

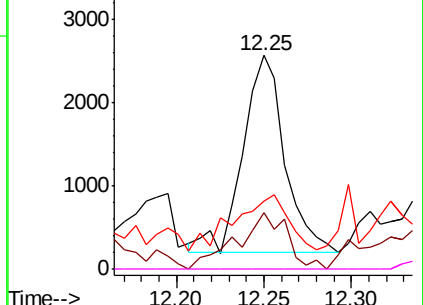
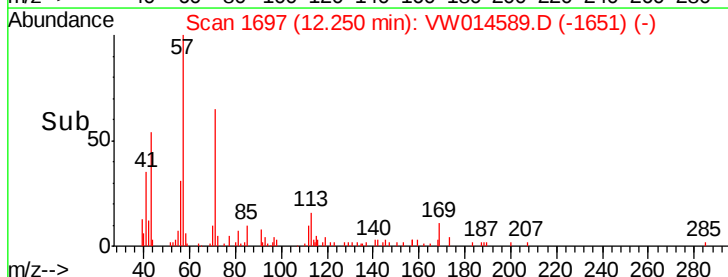


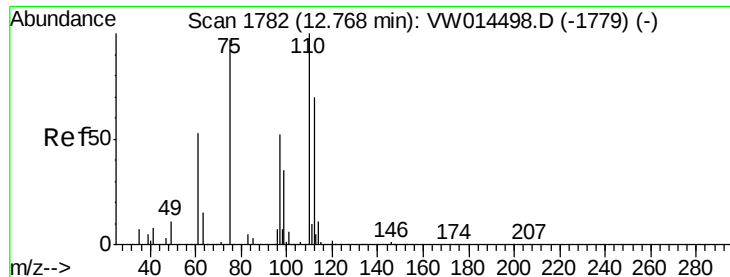
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

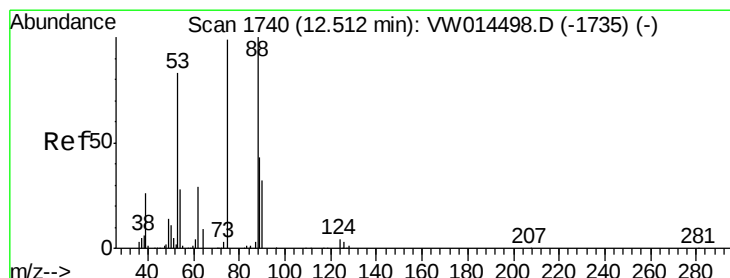
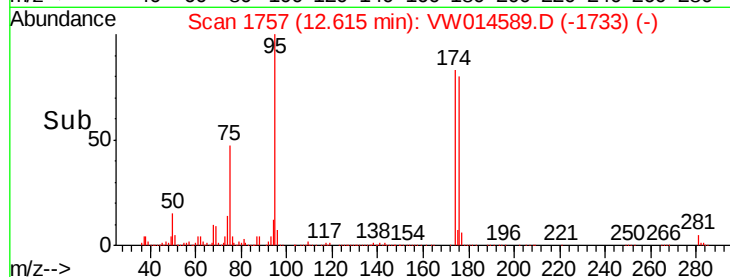
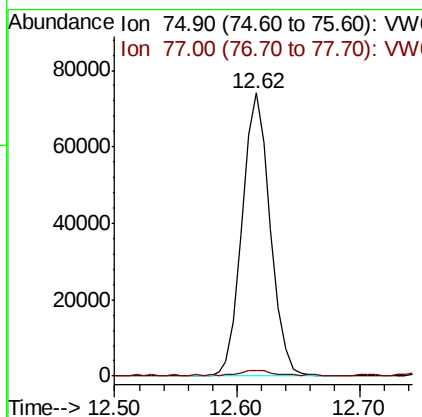
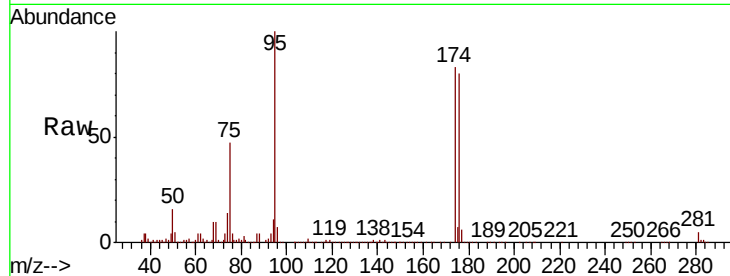




#76
 1,2,3-Trichloropropane
 Concen: 69.347 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW014589.D
 Acq: 09 Jan 2020 18:13

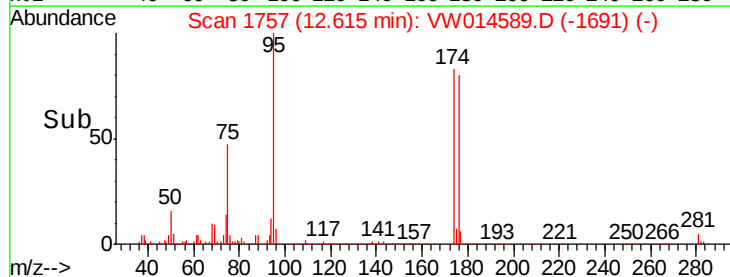
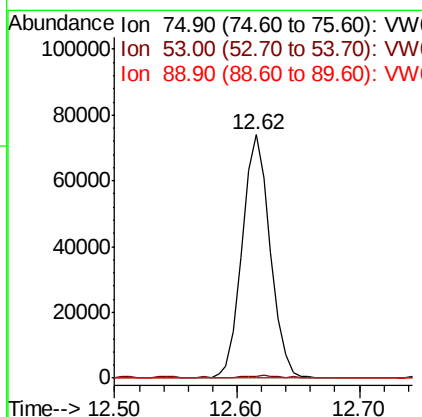
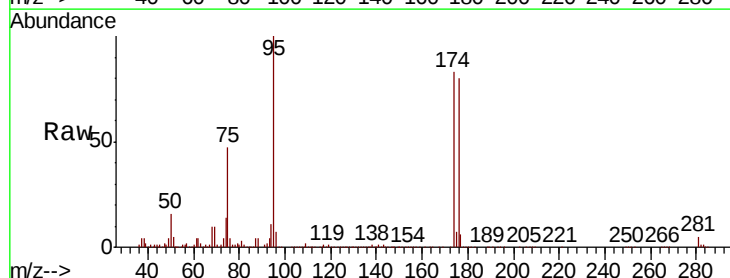
Instrument :
 MSVOA_W
 ClientSampleId :

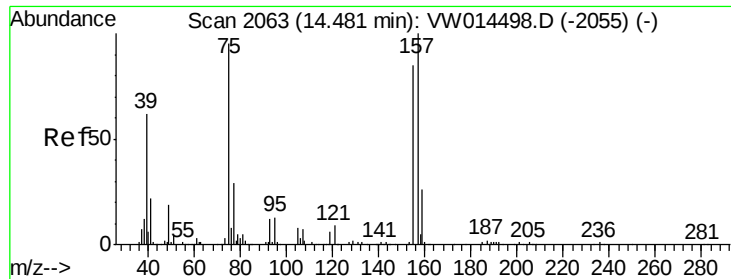
Tot Ion: 75 Resp: 117715
 Ion Ratio Lower Upper
 75 100
 77 2.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 154.507 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW014589.D
 Acq: 09 Jan 2020 18:13

Tgt Ion: 75 Resp: 117715
 Ion Ratio Lower Upper
 75 100
 53 1.2 70.9 106.3#
 89 0.0 35.8 53.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.308 ug/l

RT: 14.41 min Scan# 2052

Delta R.T. -0.07 min

Lab File: VW014589.D

Acq: 09 Jan 2020 18:13

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 869

Ion Ratio Lower Upper

75 100

155 55.2 45.8 137.4

157 113.6 58.1 174.2

