

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014726.D
 Acq On : 23 Jan 2020 16:09
 Operator : SY/VA
 Sample : L1243-01
 Misc : 8.06G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 24 04:12:20 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	561338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	943234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	702069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	209729	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	264841	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	
35) Dibromofluoromethane	7.88	113	228631	42.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.82%	
50) Toluene-d8	10.32	98	871900	38.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.52%	
62) 4-Bromofluorobenzene	12.62	95	220315	28.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.74%	

Target Compounds

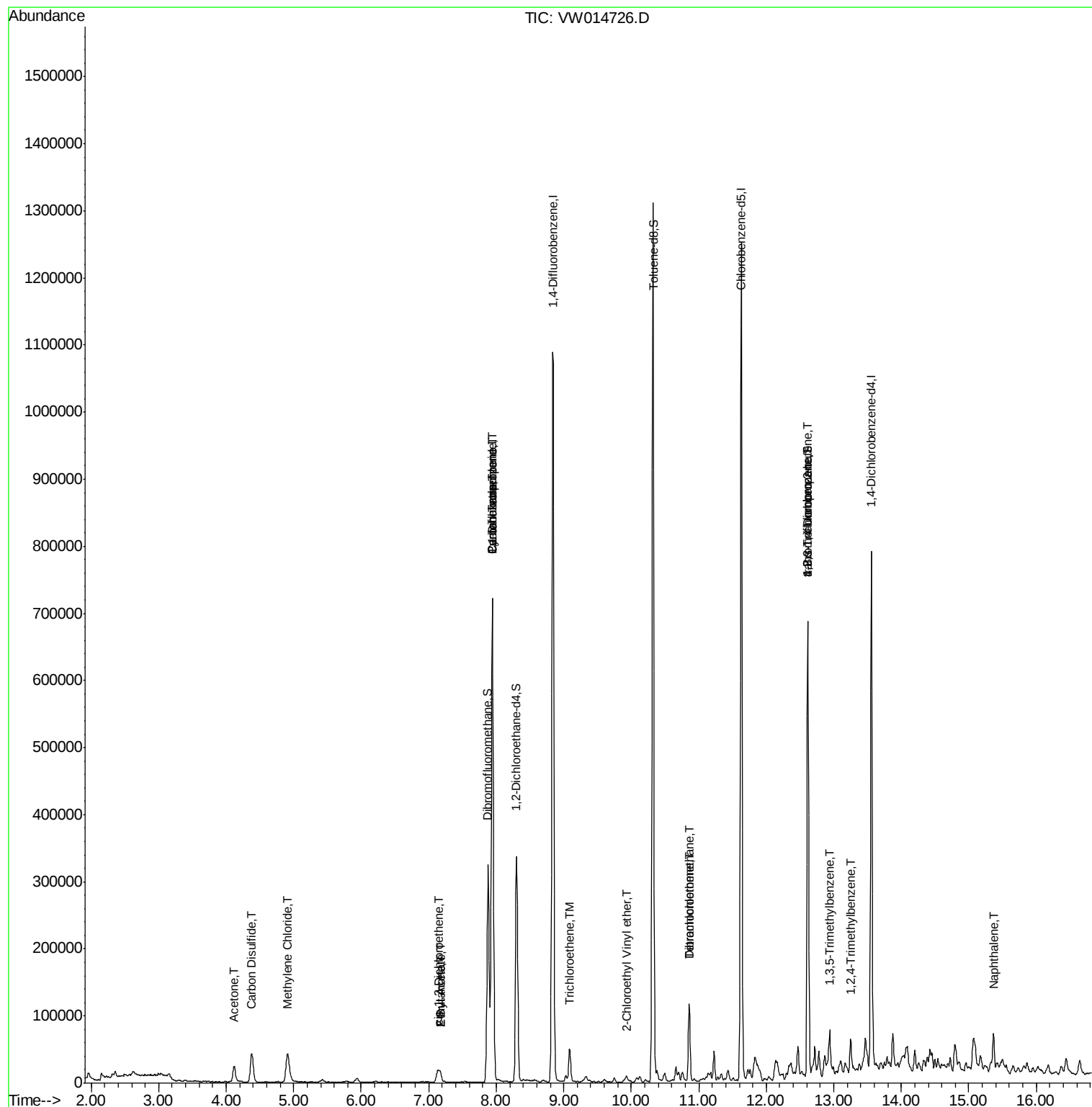
						Qvalue
11) Tert butyl alcohol	5.15	59	905	Below Cal	#	73
16) Acetone	4.11	43	44482	32.098	ug/l	96
17) Carbon Disulfide	4.38	76	95858	5.693	ug/l	96
20) Methylene Chloride	4.91	84	36485	2.189	ug/l	93
25) 2-Butanone	7.18	43	7670	4.313	ug/l	90
27) cis-1,2-Dichloroethene	7.16	96	6437	1.033	ug/l	92
31) Cyclohexane	7.94	56	11741	1.121	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	42073	4.627	ug/l #	48
37) Ethyl Acetate	7.18	43	7670	1.860	ug/l #	1
38) Carbon Tetrachloride	7.95	117	53311	6.758	ug/l #	15
44) Trichloroethene	9.09	130	18198	2.614	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.93	63	3573	1.986	ug/l	96
60) Dibromochloromethane	10.86	129	22170	4.317	ug/l #	11
64) Tetrachloroethene	10.86	164	26979	5.308	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	107620	54.272	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	17104	1.324	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	107620	120.921	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.25	105	29251	2.275	ug/l	97
95) Naphthalene	15.36	128	49378	7.019	ug/l	98

(#) = 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: VW014726.D

Acq: 23 Jan 2020 16:09

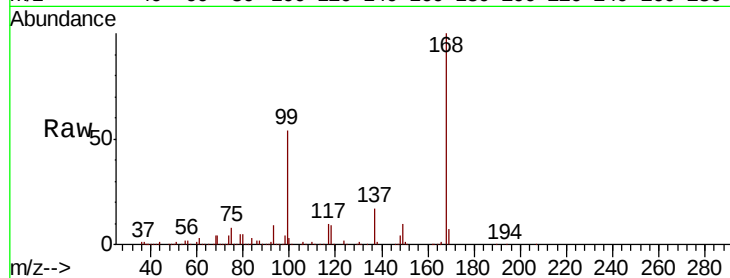
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 561338

Ion Ratio Lower Upper

168 100

99 53.8 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

250000

200000

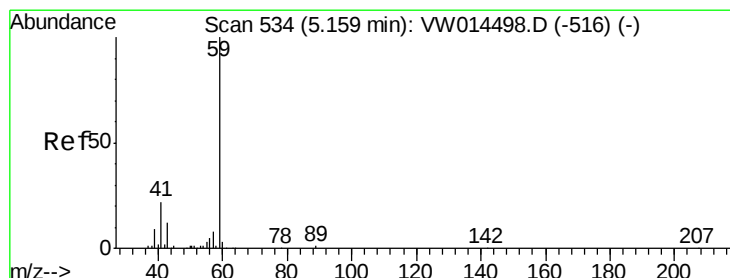
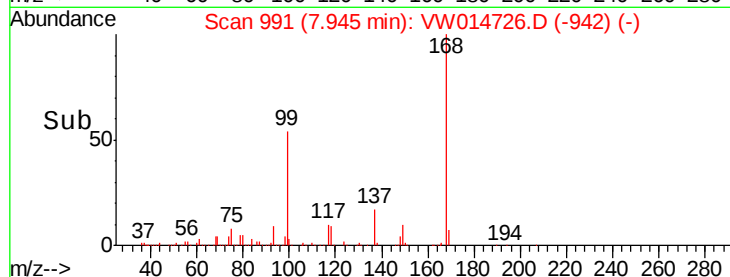
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW014726.D

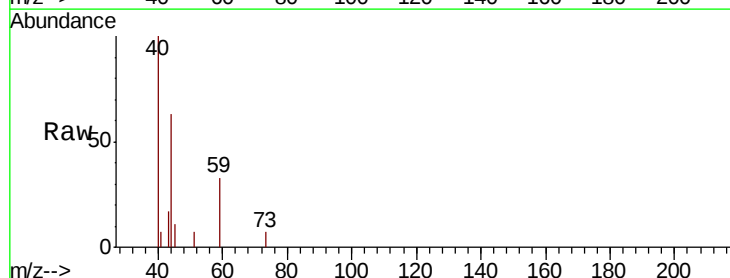
Acq: 23 Jan 2020 16:09

Tgt Ion: 59 Resp: 905

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

300

250

200

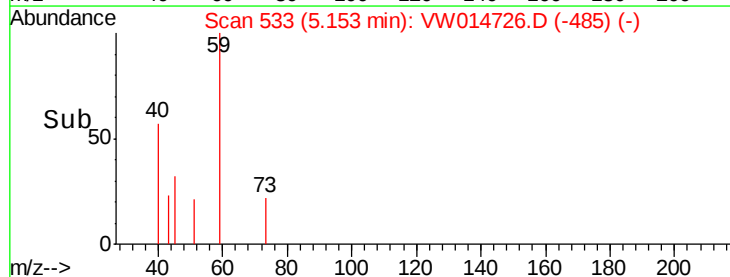
150

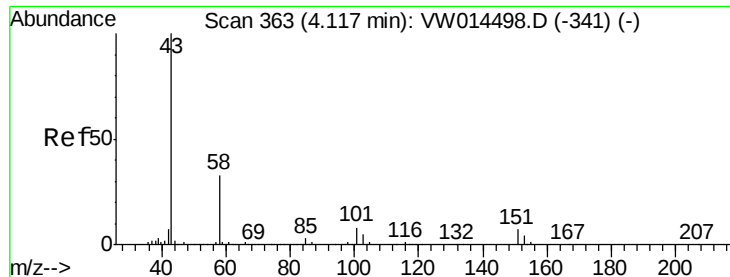
100

50

0

Time--> 5.05 5.10 5.15 5.20 5.25





#16

Acetone

Concen: 32.098 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014726.D

Acq: 23 Jan 2020 16:09

Instrument :

MSVOA_W

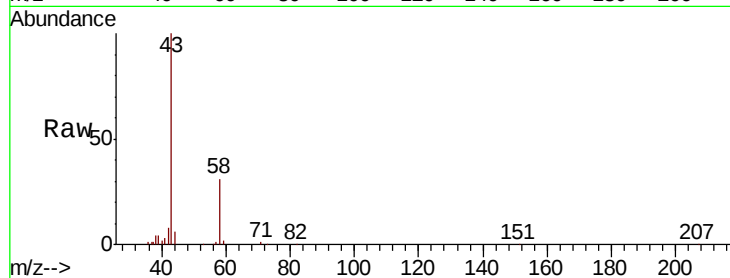
ClientSampled :

Tot Ion: 43 Resp: 44482

Ion Ratio Lower Upper

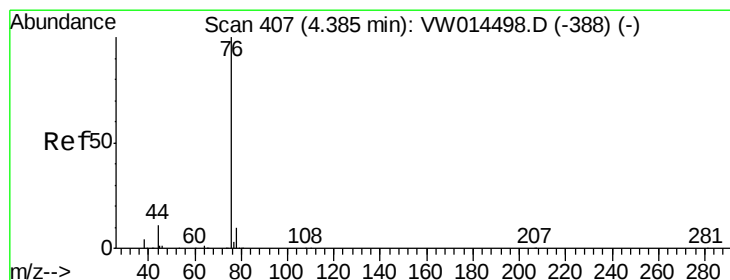
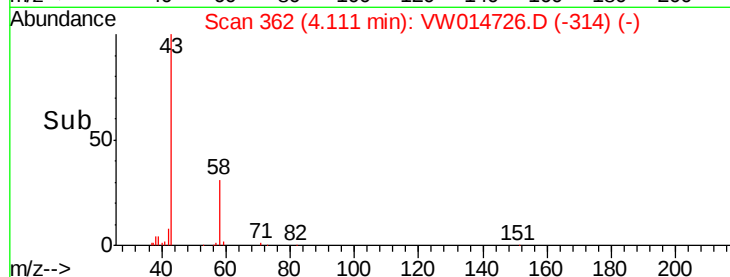
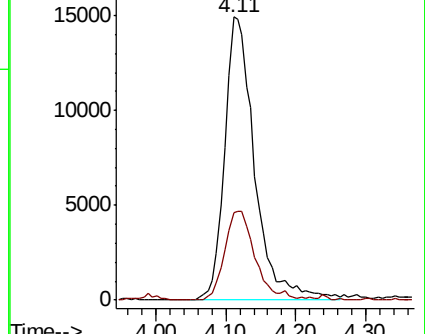
43 100

58 30.9 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 5.693 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014726.D

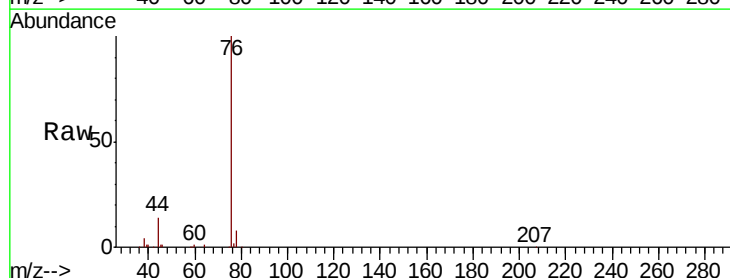
Acq: 23 Jan 2020 16:09

Tgt Ion: 76 Resp: 95858

Ion Ratio Lower Upper

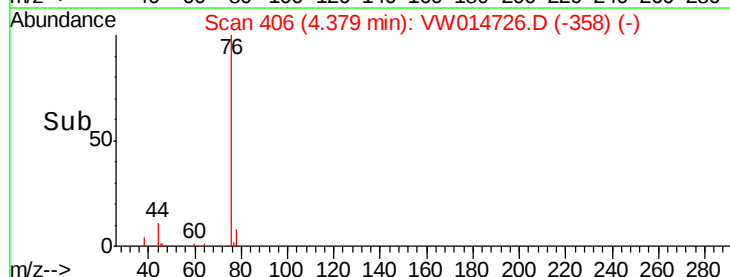
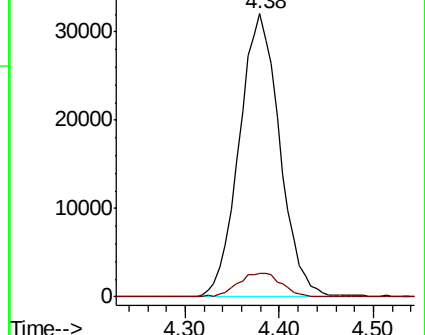
76 100

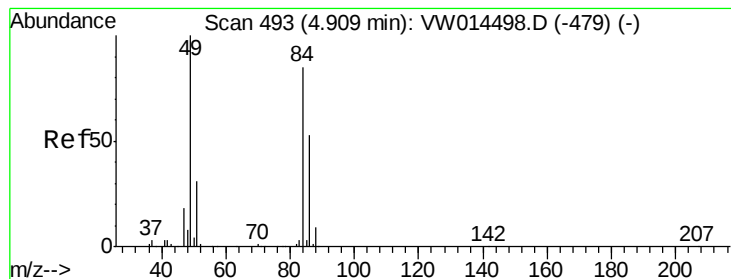
78 8.3 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW





#20

Methylene Chloride

Concen: 2.189 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW014726.D

Acq: 23 Jan 2020 16:09

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 36485

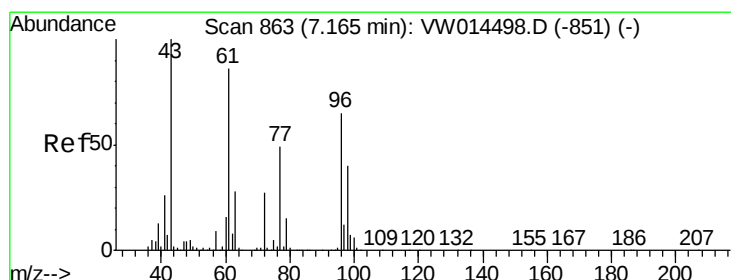
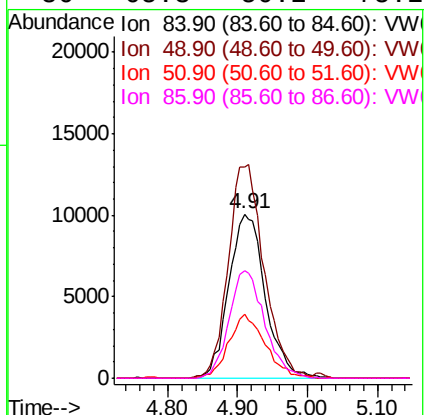
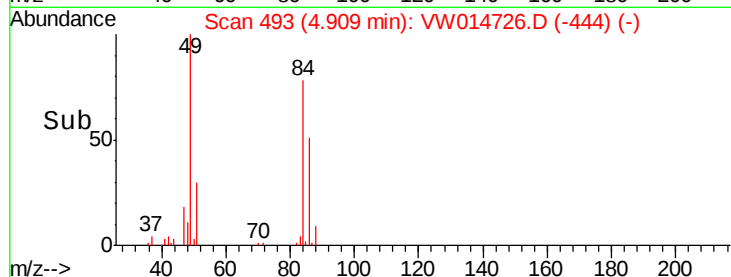
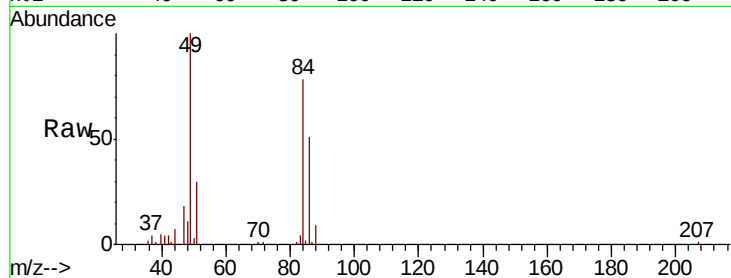
Ion Ratio Lower Upper

84 100

49 128.3 94.4 141.6

51 38.9 29.5 44.3

86 65.3 50.2 75.2



#25

2-Butanone

Concen: 4.313 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW014726.D

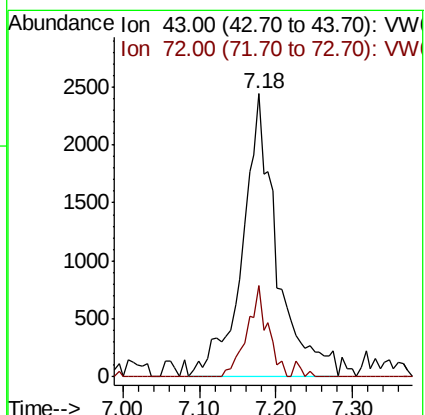
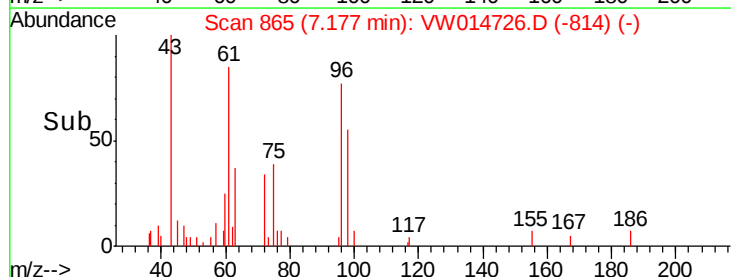
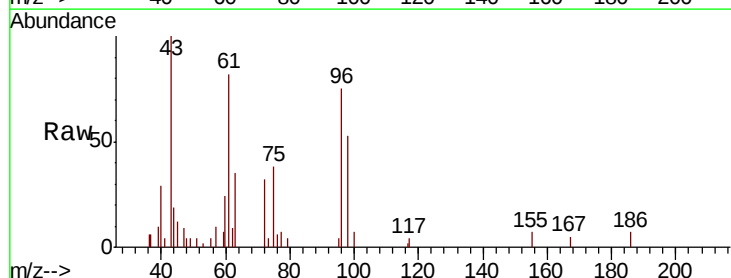
Acq: 23 Jan 2020 16:09

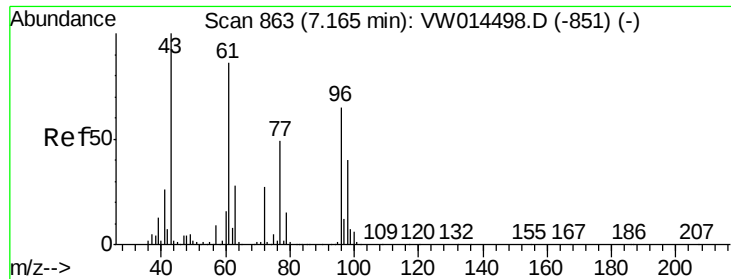
Tgt Ion: 43 Resp: 7670

Ion Ratio Lower Upper

43 100

72 32.4 21.9 32.9



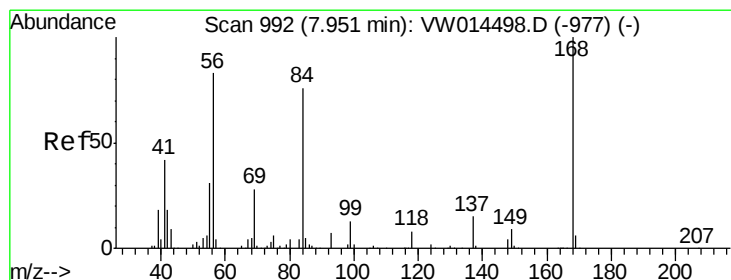
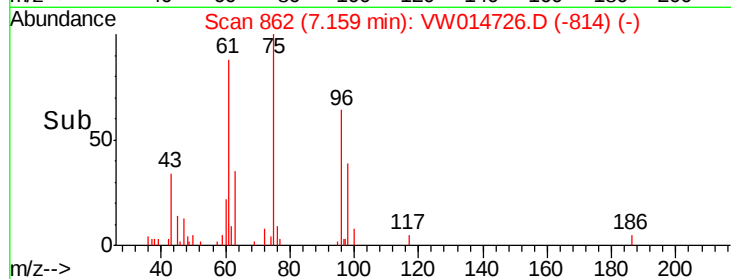
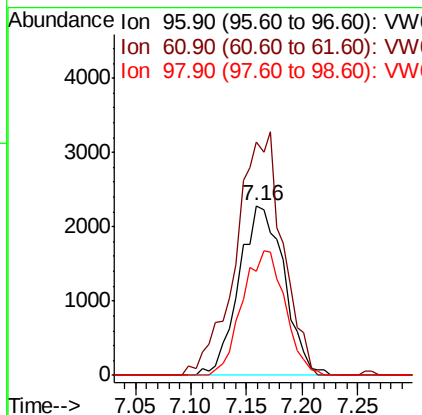
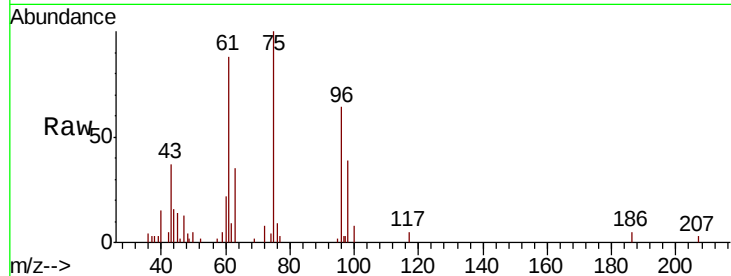


#27

cis-1,2-Dichloroethene
 Concen: 1.033 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW014726.D
 Acq: 23 Jan 2020 16:09

Instrument :
 MSVOA_W
 ClientSampled :

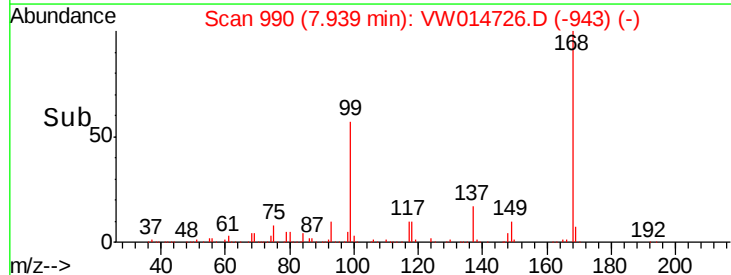
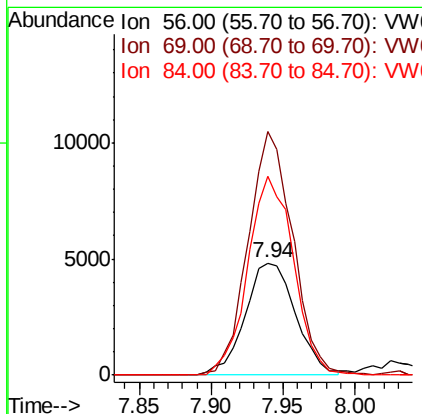
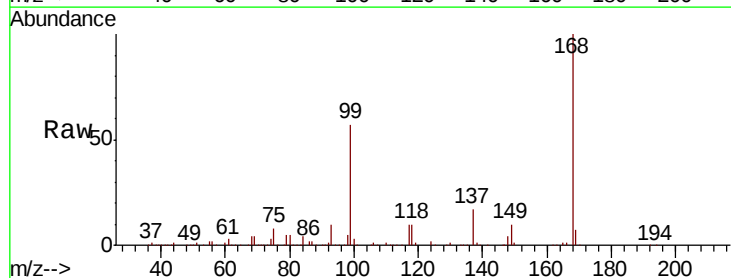
Tot Ion: 96 Resp: 6437
 Ion Ratio Lower Upper
 96 100
 61 148.1 0.0 274.8
 98 69.5 0.0 128.6

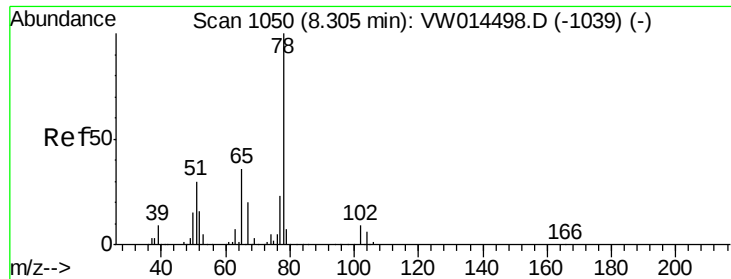


#31

Cyclohexane
 Concen: 1.121 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VW014726.D
 Acq: 23 Jan 2020 16:09

Tgt Ion: 56 Resp: 11741
 Ion Ratio Lower Upper
 56 100
 69 217.0 26.8 40.2#
 84 177.5 71.8 107.6#

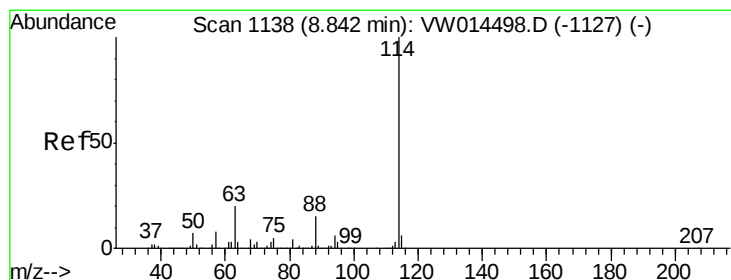
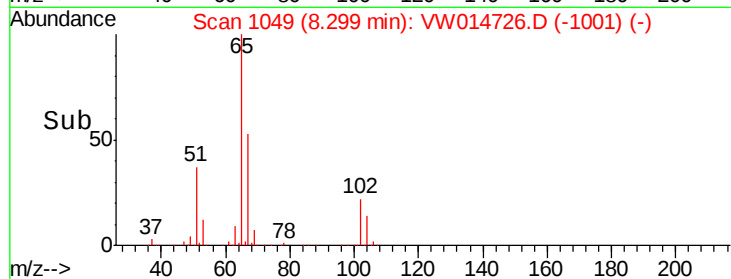
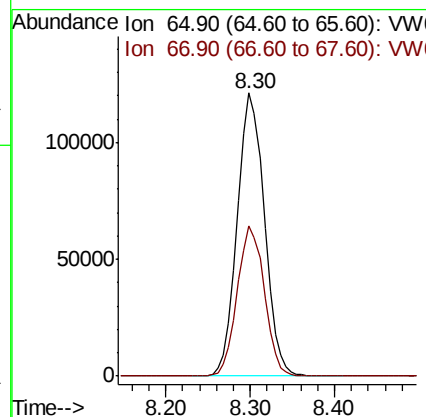
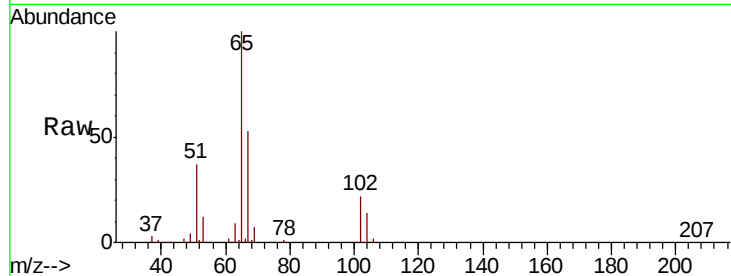




#33
 1,2-Dichloroethane-d4
 Concen: 53.963 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014726.D
 Acq: 23 Jan 2020 16:09

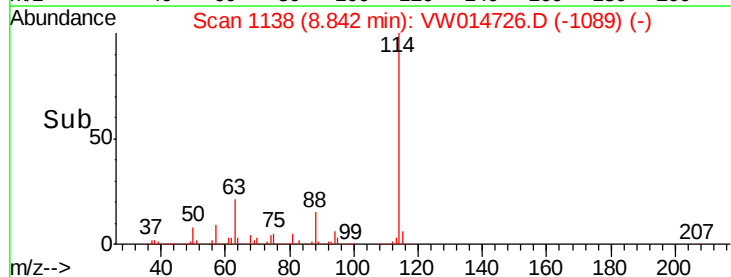
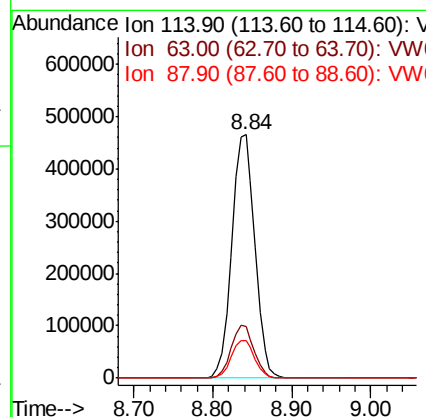
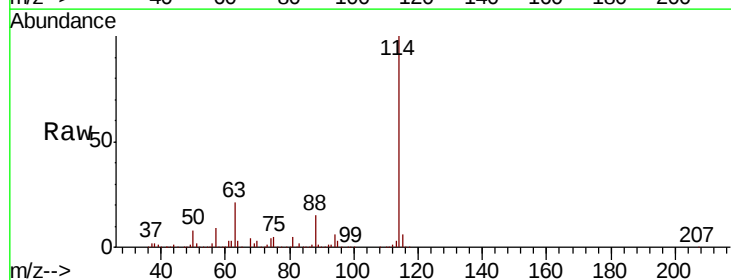
Instrument :
 MSVOA_W
 ClientSampleId :

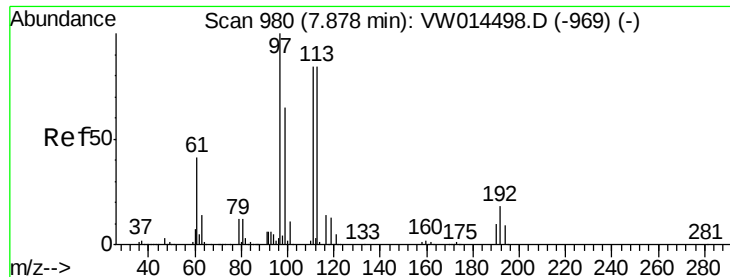
Tot Ion: 65 Resp: 264841
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014726.D
 Acq: 23 Jan 2020 16:09

Tgt Ion: 114 Resp: 943234
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.4
 88 15.2 0.0 30.6

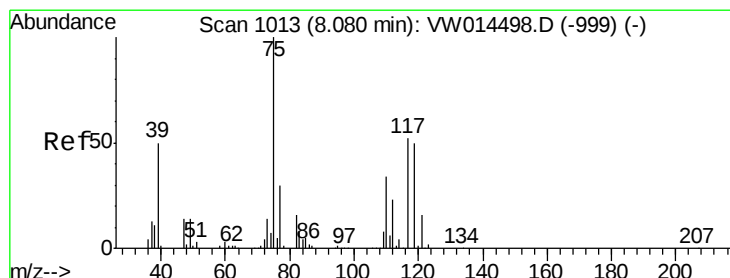
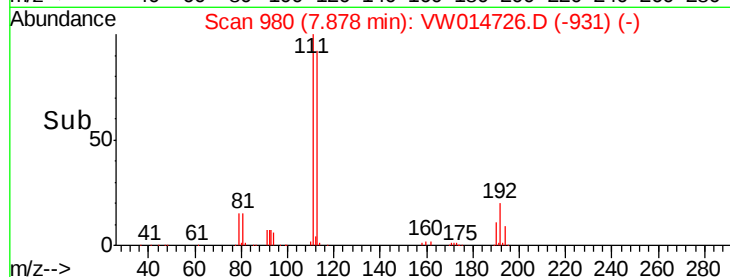
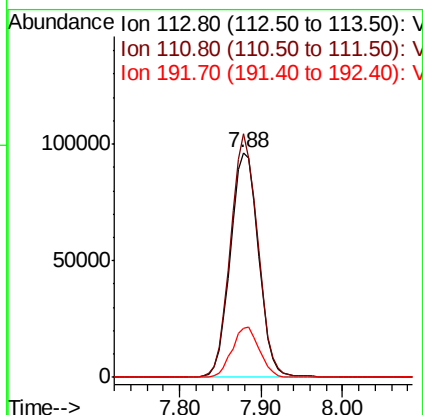
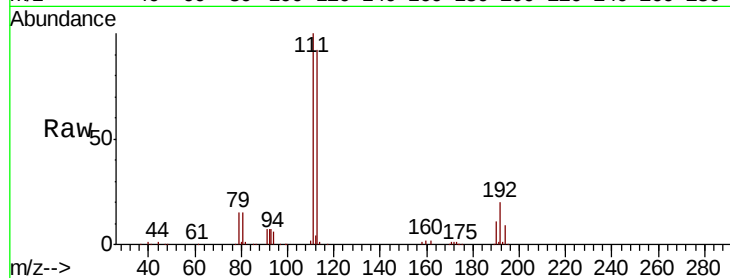




#35
 Dibromofluoromethane
 Concen: 42.412 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014726.D
 Acq: 23 Jan 2020 16:09

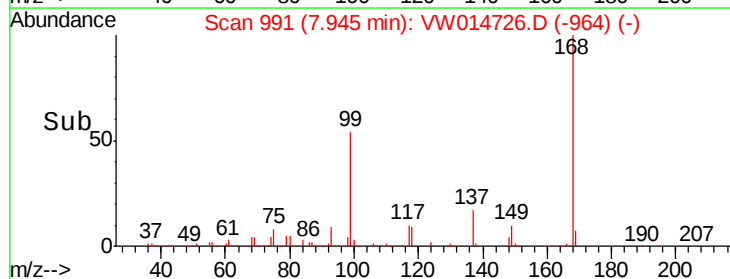
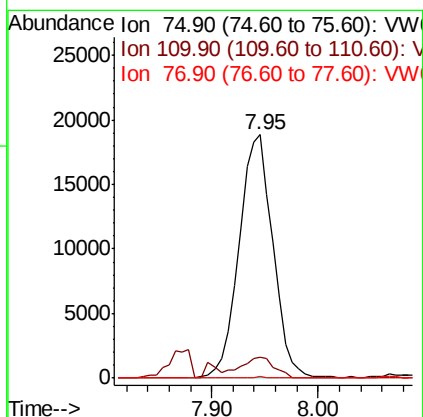
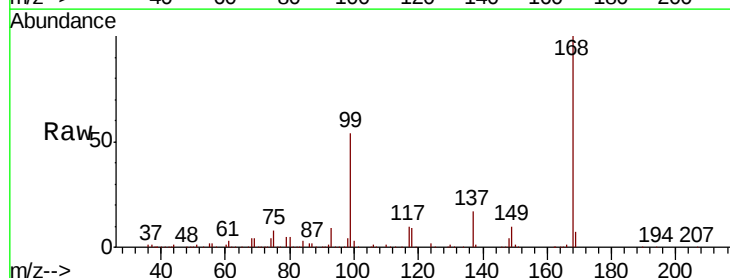
Instrument :
 MSVOA_W
 ClientSampled :

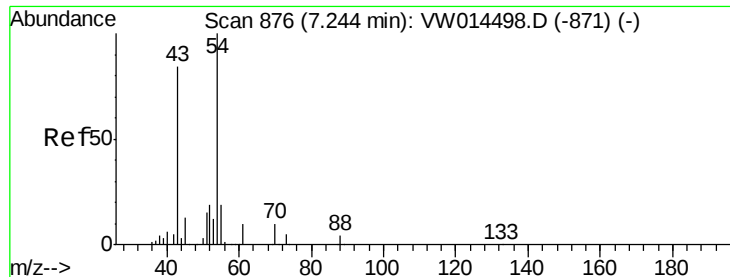
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.4	122.2
192	21.6	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.627 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014726.D
 Acq: 23 Jan 2020 16:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.8	53.5#
77	0.0	24.7	37.1#

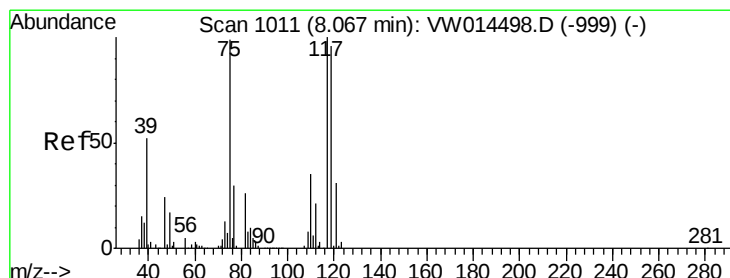
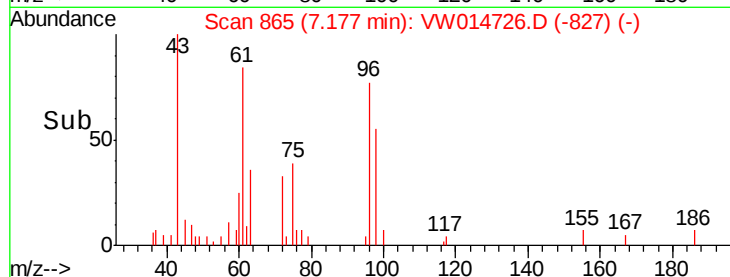
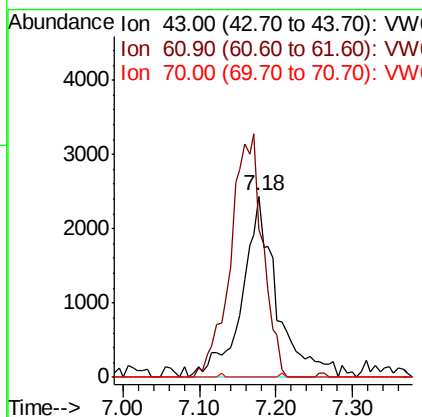
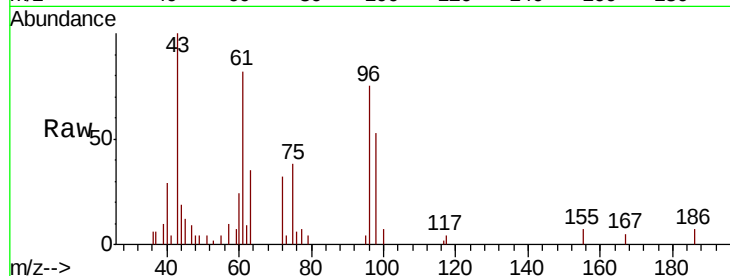




#37
Ethyl Acetate
Concen: 1.860 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW014726.D
Acq: 23 Jan 2020 16:09

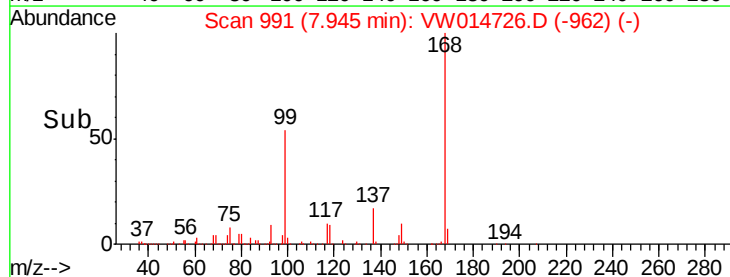
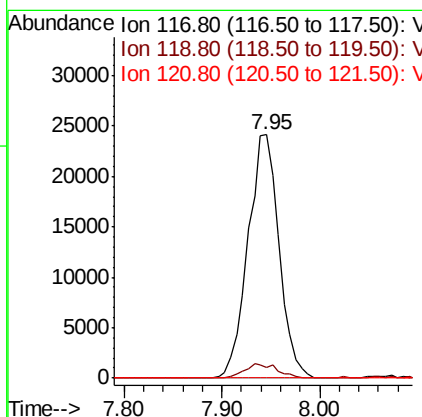
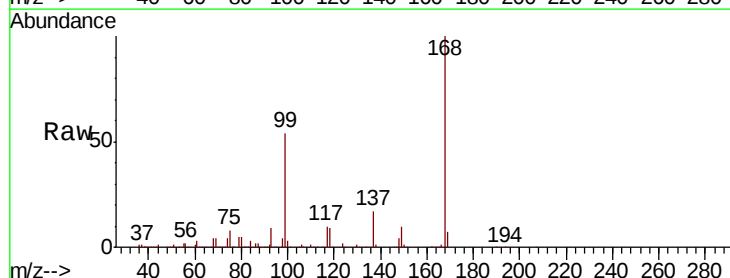
Instrument :
MSVOA_W
ClientSampleId :

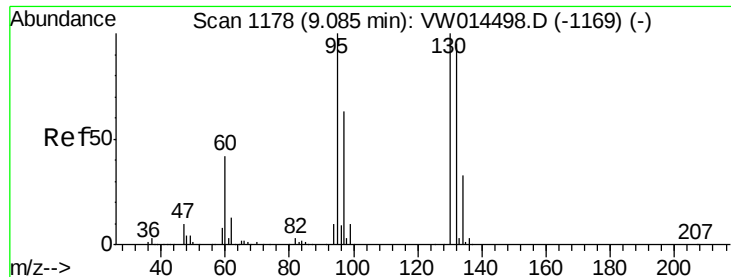
Tot Ion: 43 Resp: 7670
Ion Ratio Lower Upper
43 100
61 124.3 11.7 17.5#
70 0.0 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 6.758 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW014726.D
Acq: 23 Jan 2020 16:09

Tgt Ion: 117 Resp: 53311
Ion Ratio Lower Upper
117 100
119 4.2 77.0 115.6#
121 0.0 24.6 36.8#





#44

Trichloroethene

Concen: 2.614 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014726.D

Acq: 23 Jan 2020 16:09

Instrument :

MSVOA_W

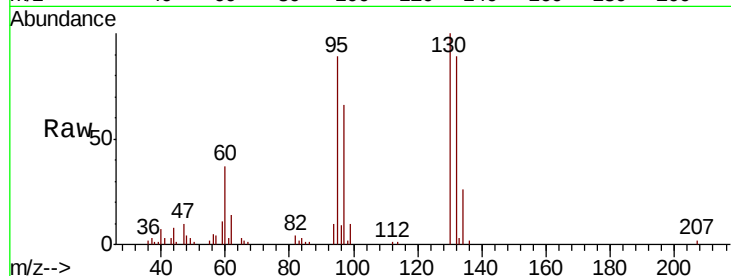
ClientSampled :

Tot Ion:130 Resp: 18198

Ion Ratio Lower Upper

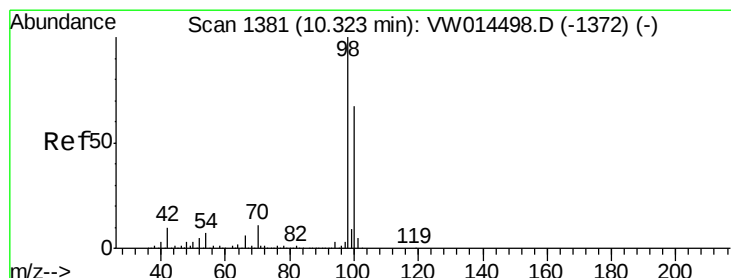
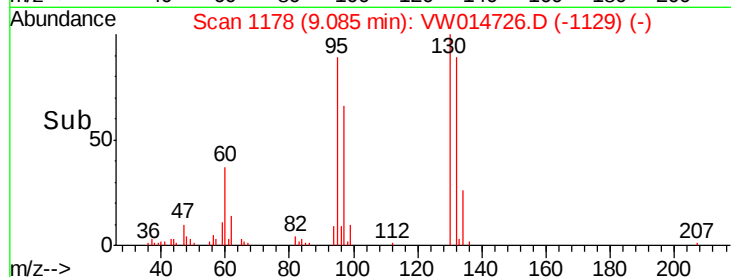
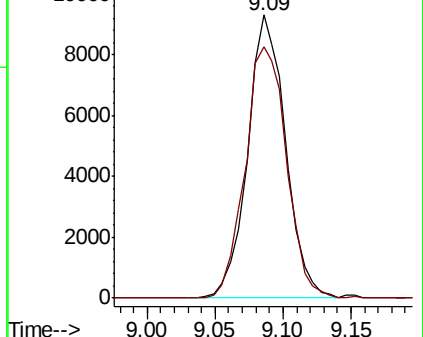
130 100

95 89.0 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): VW014498.D (-1169) (-)

Ion 94.90 (94.60 to 95.60): VW014498.D (-1169) (-)



#50

Toluene-d8

Concen: 38.756 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014726.D

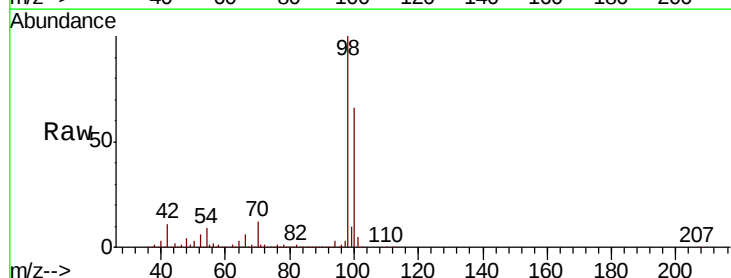
Acq: 23 Jan 2020 16:09

Tgt Ion: 98 Resp: 871900

Ion Ratio Lower Upper

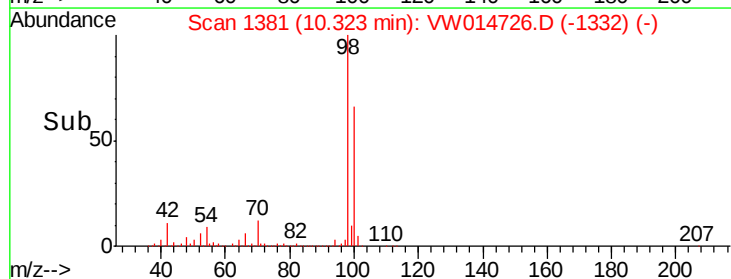
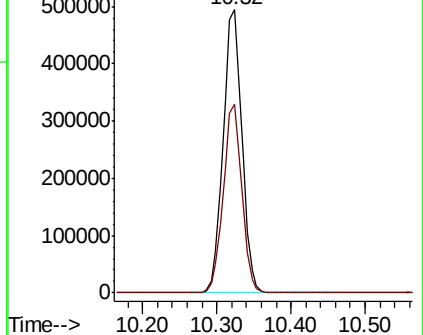
98 100

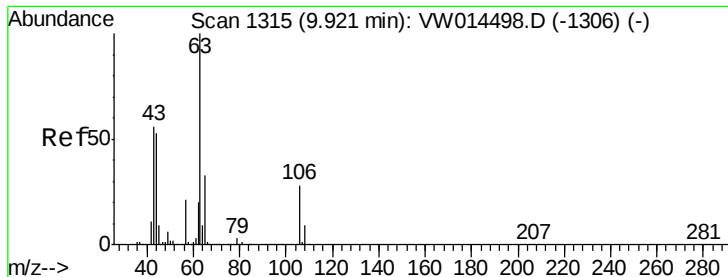
100 65.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW014498.D (-1372) (-)

Ion 100.00 (99.70 to 100.70): VW014498.D (-1372) (-)





#58

2-Chloroethyl Vinyl ether

Concen: 1.986 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VW014726.D

Acq: 23 Jan 2020 16:09

Instrument :

MSVOA_W

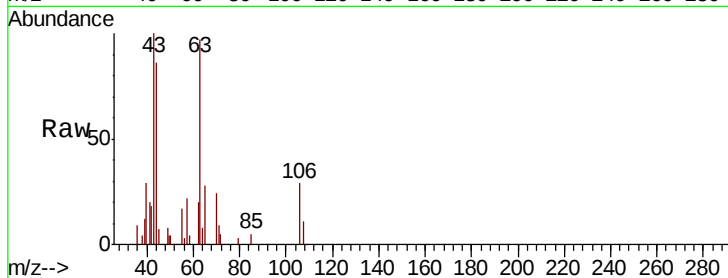
ClientSampled :

Tot Ion: 63 Resp: 3573

Ion Ratio Lower Upper

63 100

106 30.8 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

2000

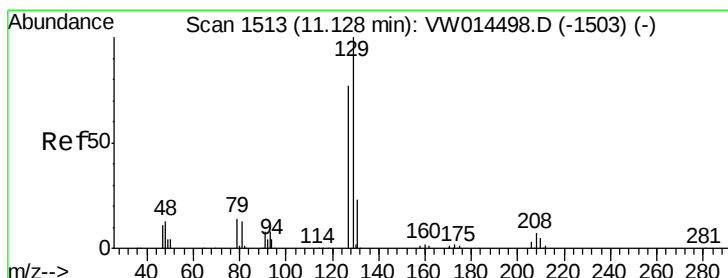
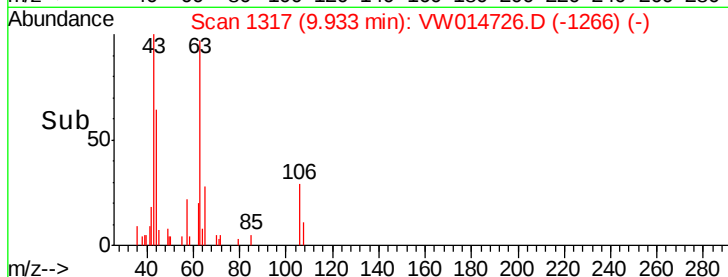
1500

1000

500

0

Time-->



#60

Dibromochloromethane

Concen: 4.317 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW014726.D

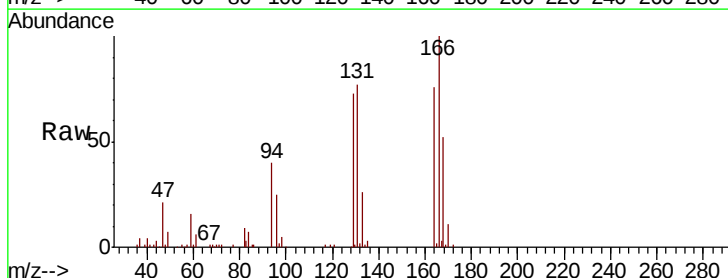
Acq: 23 Jan 2020 16:09

Tgt Ion: 129 Resp: 22170

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.86

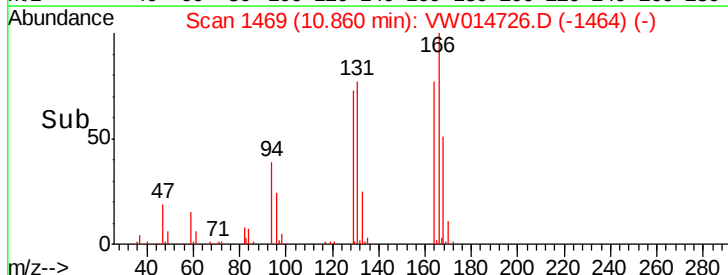
15000

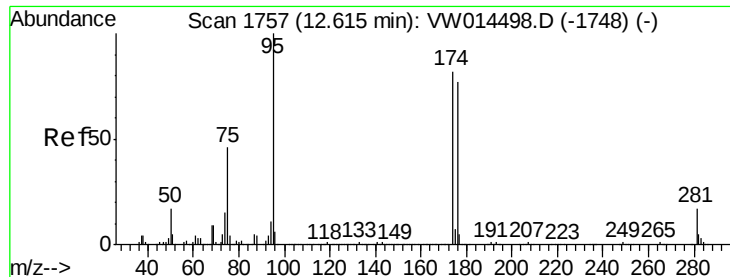
10000

5000

0

Time-->

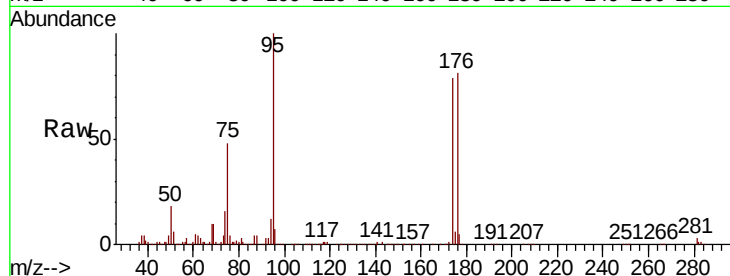




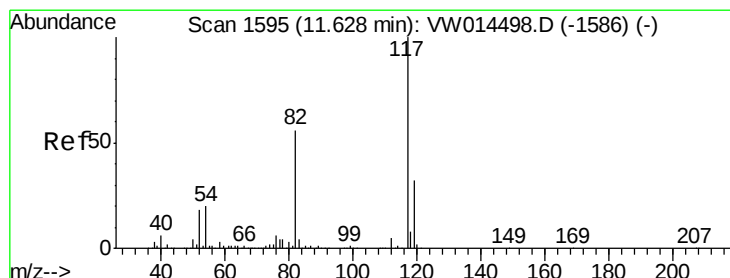
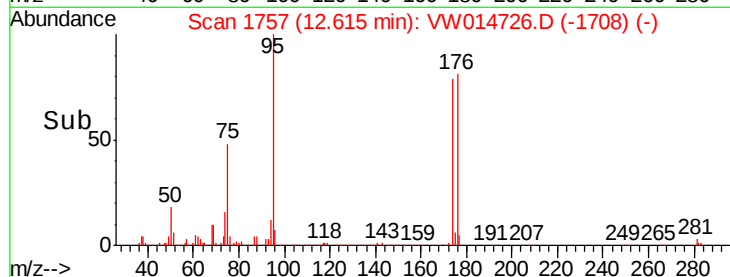
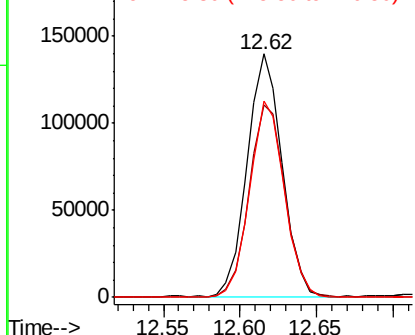
#62
4-Bromofluorobenzene
Concen: 28.872 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014726.D
Acq: 23 Jan 2020 16:09

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	168.6
176	80.8	0.0	162.0

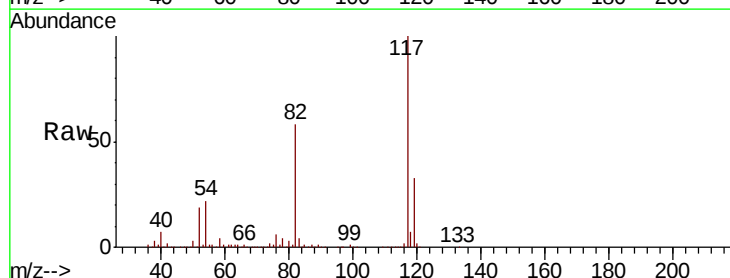


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

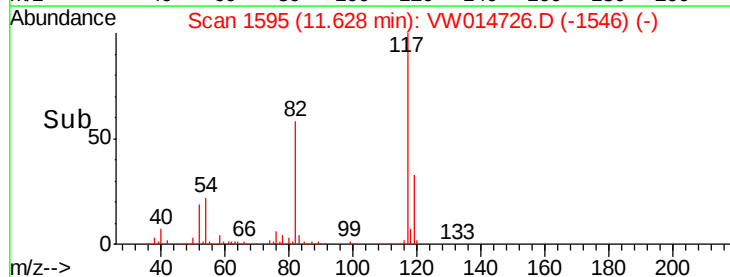
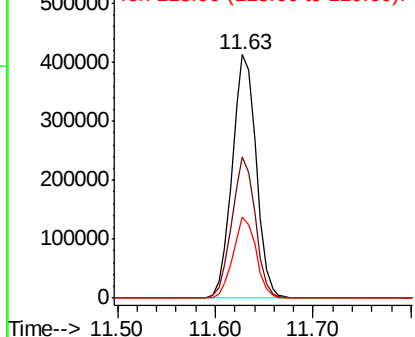


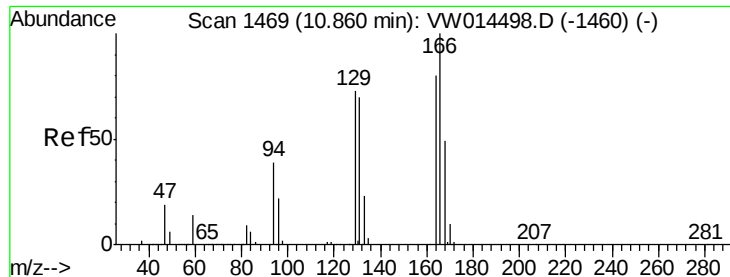
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014726.D
Acq: 23 Jan 2020 16:09

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.6	67.0
119	33.1	25.7	38.5



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





#64

Tetrachloroethene

Concen: 5.308 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014726.D

Acq: 23 Jan 2020 16:09

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 26979

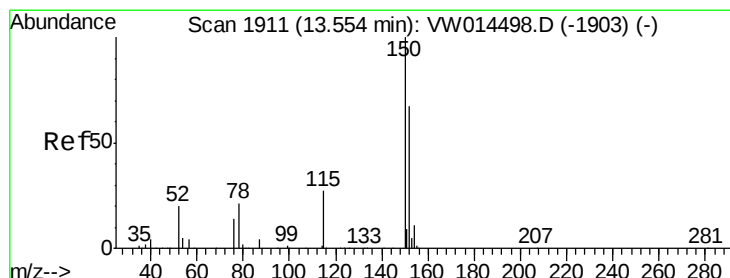
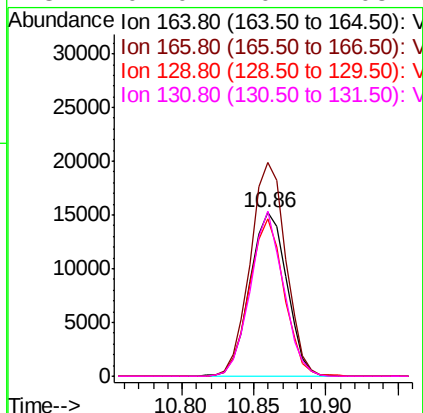
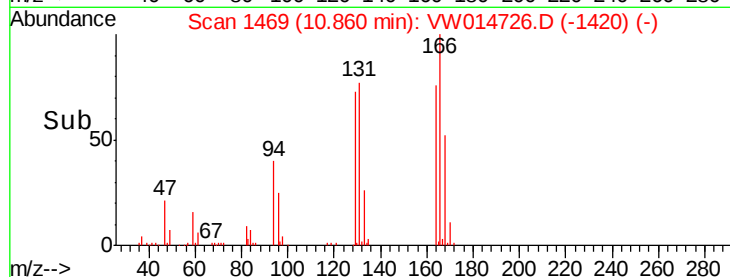
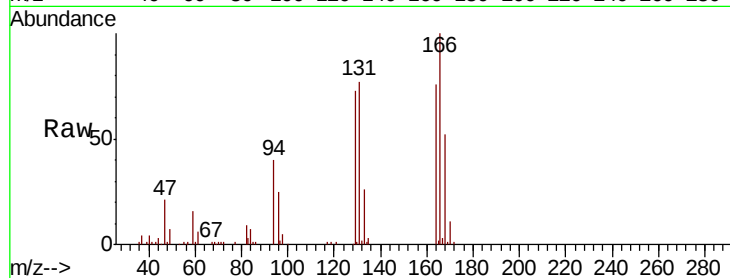
Ion Ratio Lower Upper

164 100

166 130.8 99.8 149.6

129 96.1 72.4 108.6

131 101.0 70.1 105.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014726.D

Acq: 23 Jan 2020 16:09

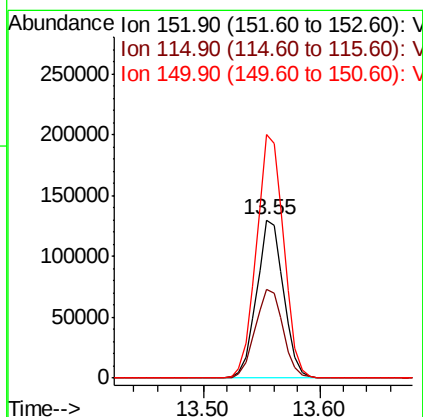
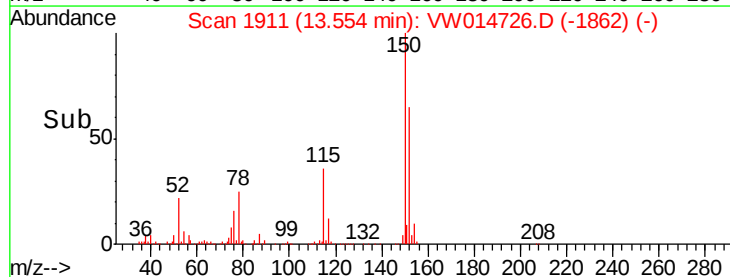
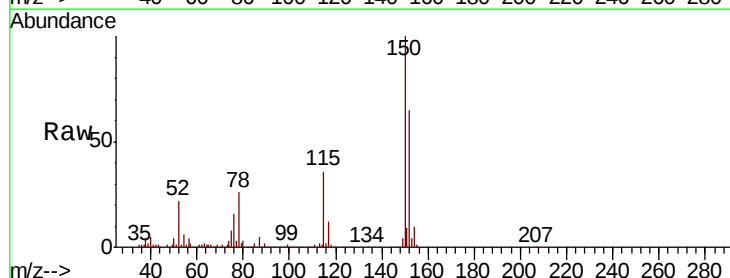
Tgt Ion:152 Resp: 209729

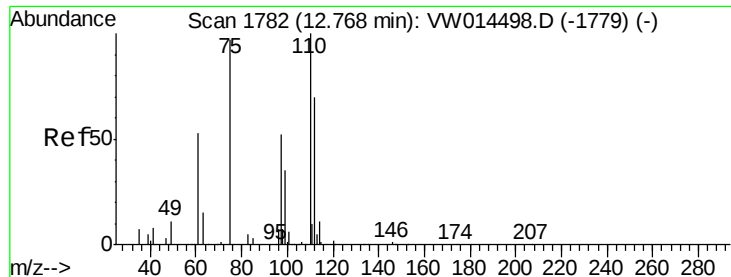
Ion Ratio Lower Upper

152 100

115 57.8 27.7 83.1

150 156.8 0.0 343.4



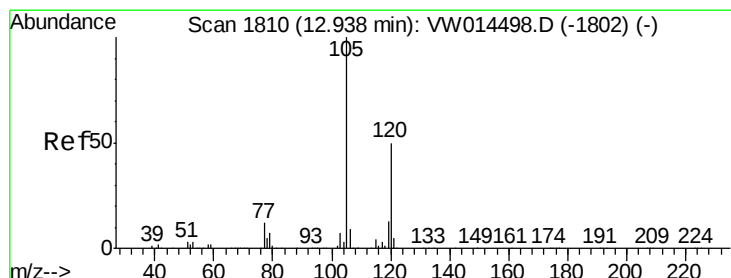
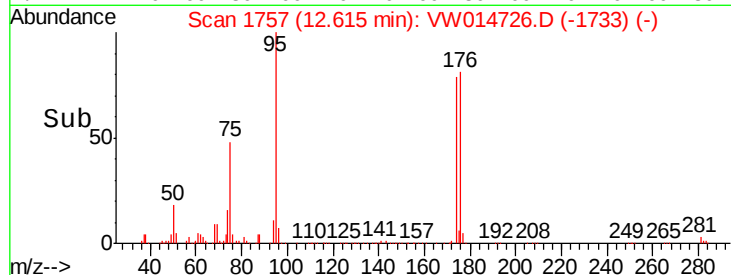
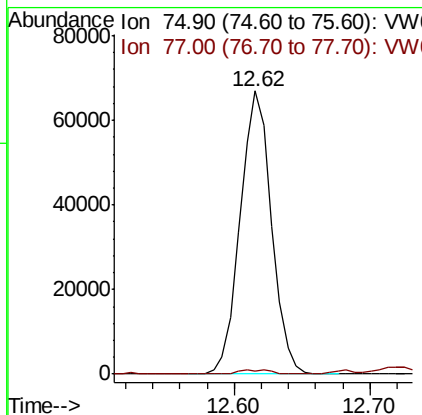
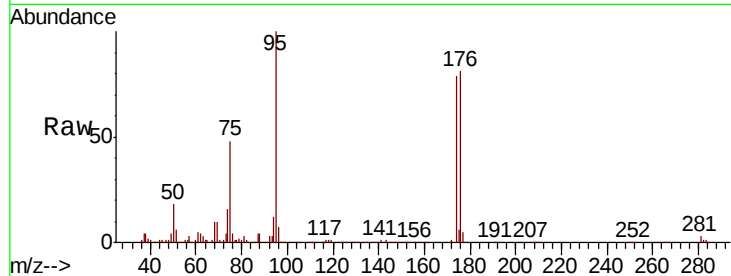


#76

1,2,3-Trichloropropane
Concen: 54.272 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW014726.D
Acq: 23 Jan 2020 16:09

Instrument :
MSVOA_W
ClientSampleId :

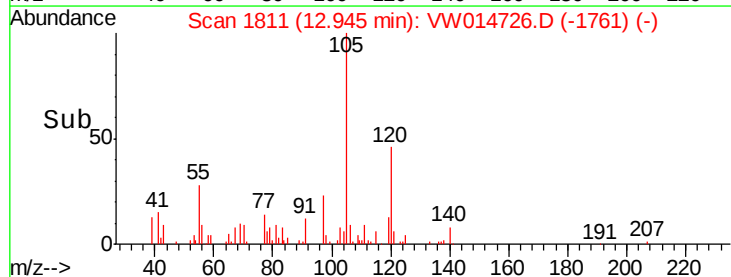
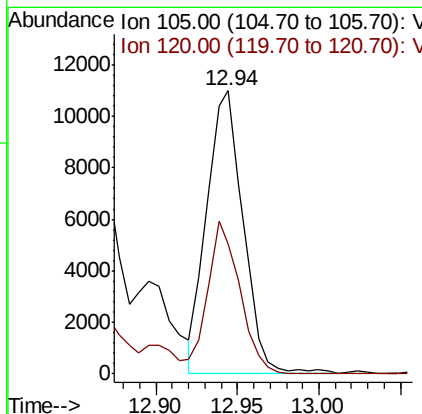
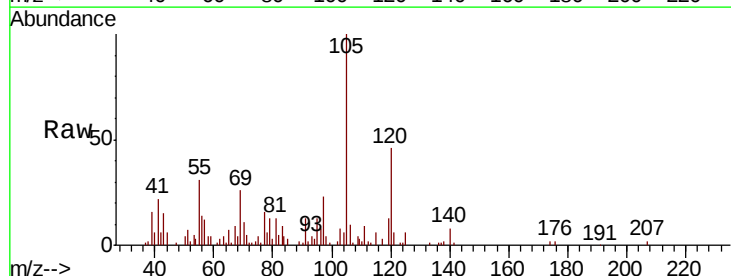
Tot Ion: 75 Resp: 107620
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

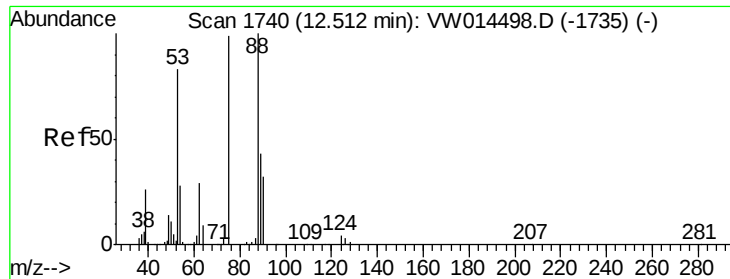


#80

1,3,5-Trimethylbenzene
Concen: 1.324 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW014726.D
Acq: 23 Jan 2020 16:09

Tgt Ion: 105 Resp: 17104
Ion Ratio Lower Upper
105 100
120 48.6 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 120.921 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014726.D

Acq: 23 Jan 2020 16:09

Instrument :

MSVOA_W

ClientSampleId :

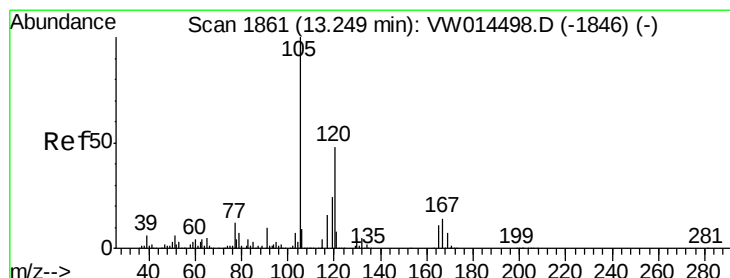
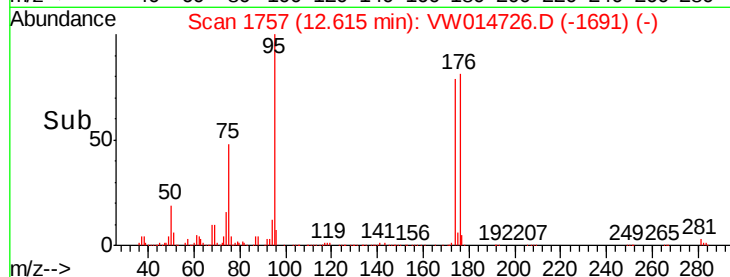
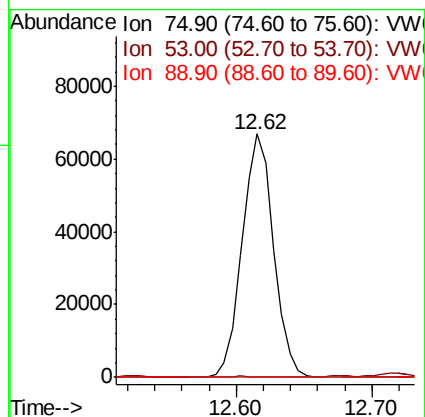
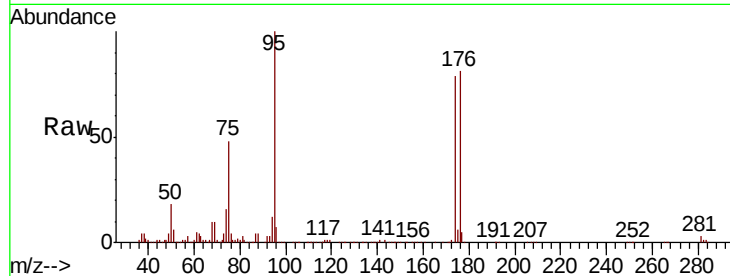
Tot Ion: 75 Resp: 107620

Ion Ratio Lower Upper

75 100

53 0.5 70.9 106.3#

89 0.1 35.8 53.8#



#84

1,2,4-Trimethylbenzene

Concen: 2.275 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW014726.D

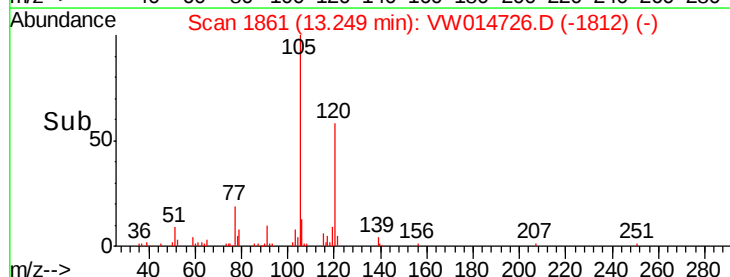
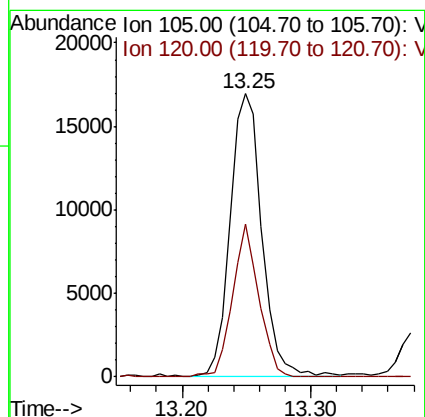
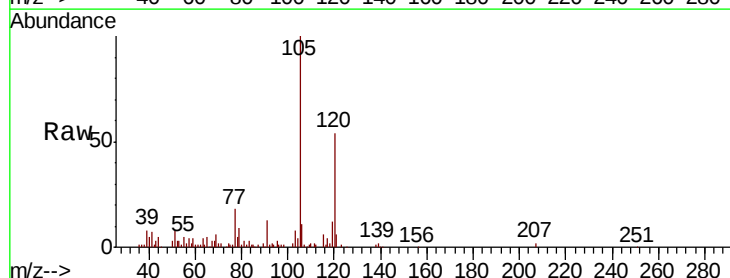
Acq: 23 Jan 2020 16:09

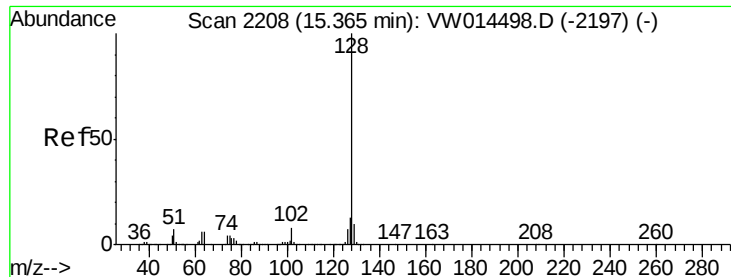
Tgt Ion: 105 Resp: 29251

Ion Ratio Lower Upper

105 100

120 44.6 23.4 70.0





#95

Naphthalene

Concen: 7.019 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014726.D

Acq: 23 Jan 2020 16:09

Instrument :

MSVOA_W

ClientSampleId :

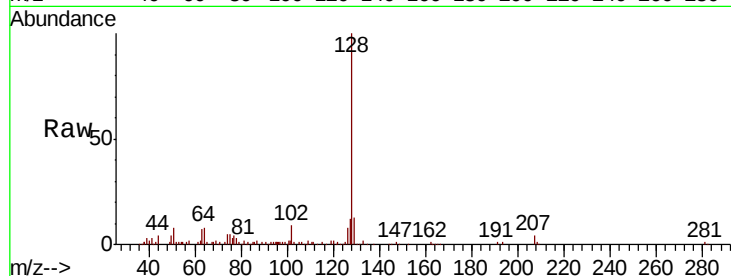
Tot Ion:128 Resp: 49378

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 12.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

