

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014731.D
 Acq On : 23 Jan 2020 18:21
 Operator : SY/VA
 Sample : L1243-06
 Misc : 6.26G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 24 04:13:18 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	232928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	346247	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	246202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	52447	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	121182	59.50	ug/l	0.00
Spiked Amount			Recovery	=	119.00%	
35) Dibromofluoromethane	7.88	113	95520	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	10.32	98	361177	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	
62) 4-Bromofluorobenzene	12.62	95	75215	26.85	ug/l	0.00
Spiked Amount			Recovery	=	53.70%	

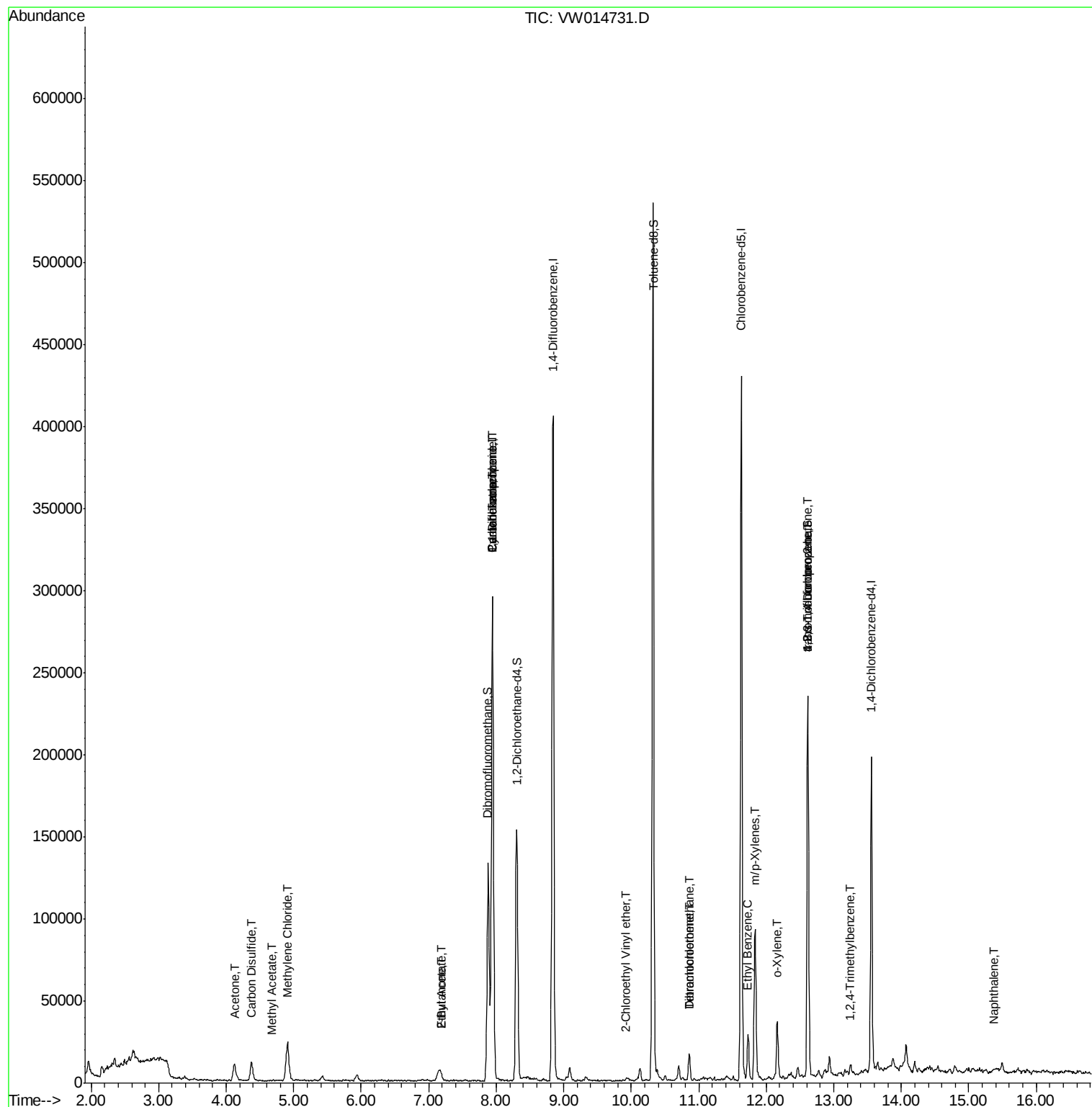
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	109	Below Cal	#	73
16) Acetone	4.12	43	21083	36.663	ug/l	98
17) Carbon Disulfide	4.37	76	22308	3.193	ug/l	99
18) Methyl Acetate	4.68	43	1512	1.089	ug/l	# 54
20) Methylene Chloride	4.91	84	16705	2.929	ug/l	90
25) 2-Butanone	7.19	43	3851	5.218	ug/l	96
31) Cyclohexane	7.94	56	4941	1.137	ug/l	# 1
36) 1,1-Dichloropropene	7.95	75	18284	5.478	ug/l	# 48
37) Ethyl Acetate	7.19	43	3851	2.544	ug/l	# 67
38) Carbon Tetrachloride	7.94	117	22273	7.691	ug/l	# 17
58) 2-Chloroethyl Vinyl ether	9.93	63	1067	1.616	ug/l	# 77
60) Dibromochloromethane	10.86	129	3007	1.595	ug/l	# 11
64) Tetrachloroethene	10.86	164	3527	1.979	ug/l	86
67) Ethyl Benzene	11.73	91	19267	2.120	ug/l	95
68) m/p-Xylenes	11.83	106	27474	7.897	ug/l	100
69) o-Xylene	12.16	106	8314	2.587	ug/l	85
76) 1,2,3-Trichloropropane	12.62	75	35838	72.272	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	35838	161.024	ug/l	# 14
84) 1,2,4-Trimethylbenzene	13.24	105	4480	1.393	ug/l	95
95) Naphthalene	15.36	128	2030	1.154	ug/l	96

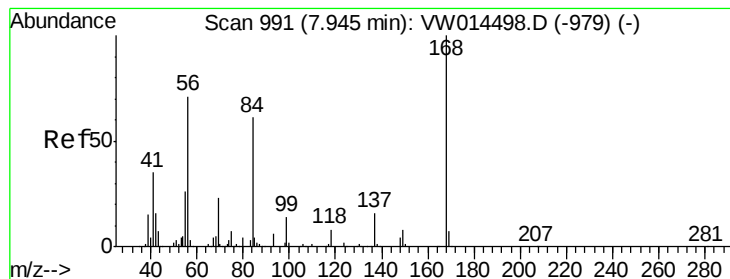
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW014731.D

Acq: 23 Jan 2020 18:21

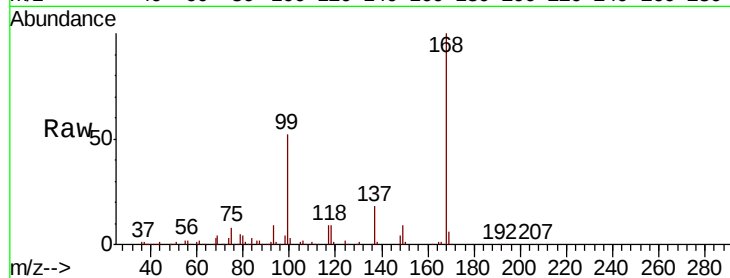
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 232928

Ion Ratio Lower Upper

168 100

99 52.1 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

100000

80000

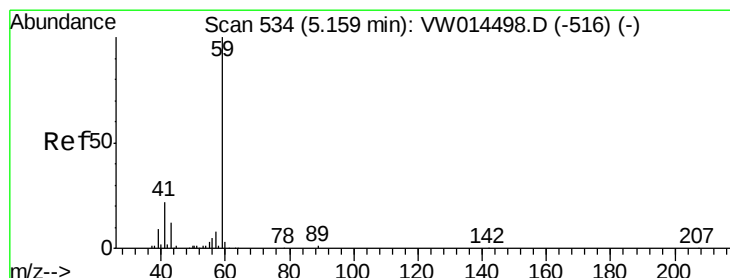
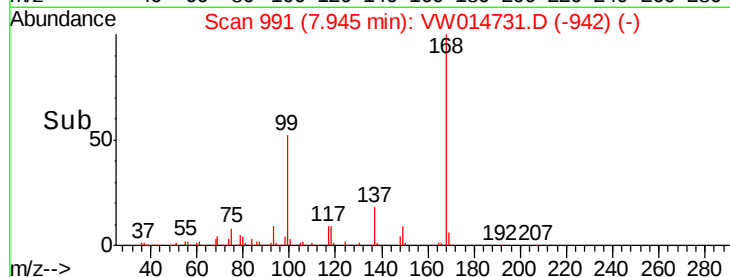
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. 0.02 min

Lab File: VW014731.D

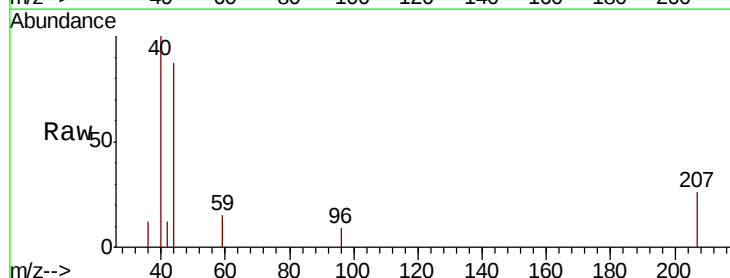
Acq: 23 Jan 2020 18:21

Tgt Ion: 59 Resp: 109

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

5.18

100

80

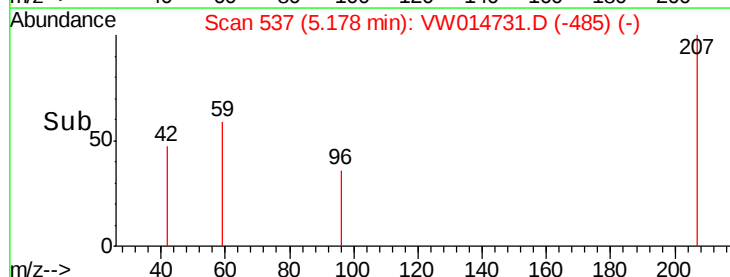
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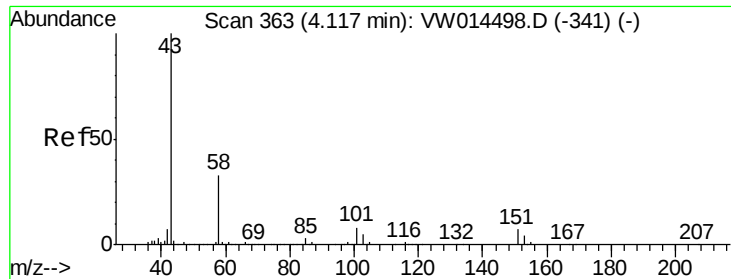
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20

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Time-->

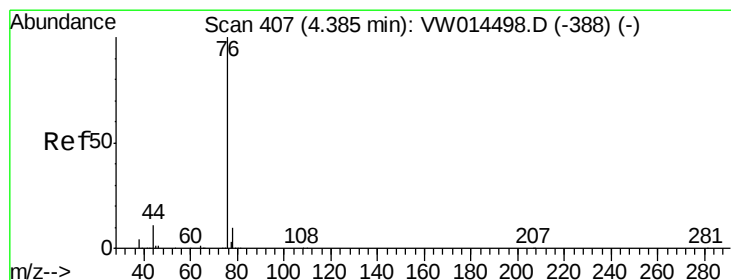
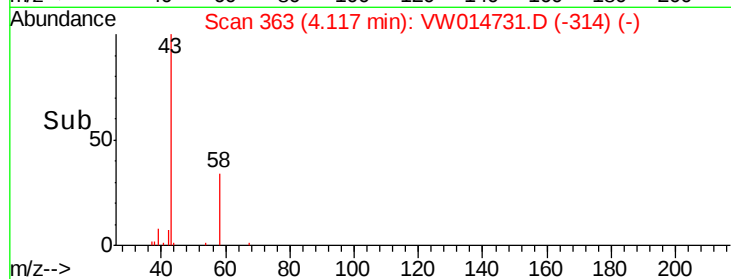
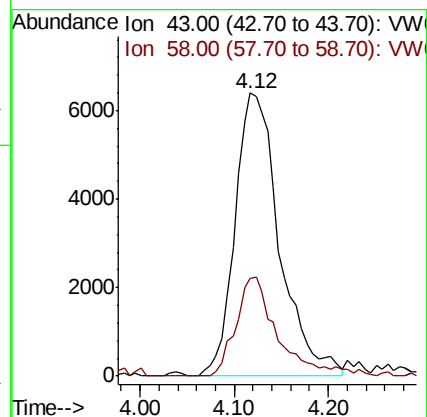
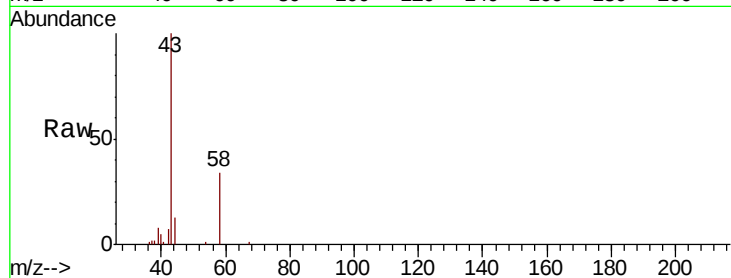




#16
Acetone
Concen: 36.663 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW014731.D
Acq: 23 Jan 2020 18:21

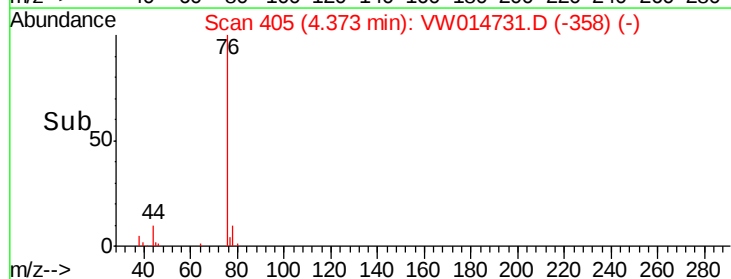
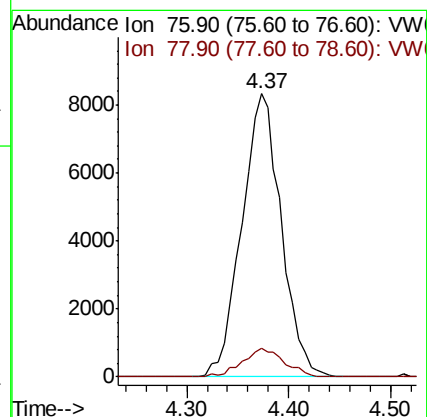
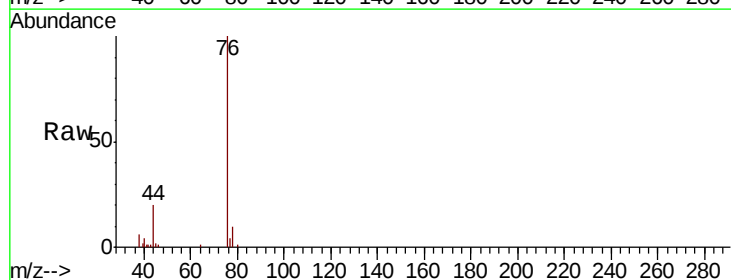
Instrument :
MSVOA_W
ClientSampleId :

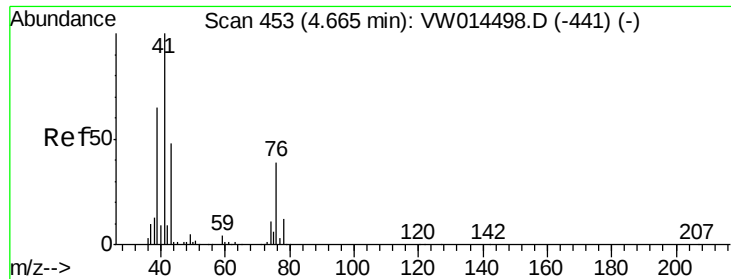
Tot Ion: 43 Resp: 21083
Ion Ratio Lower Upper
43 100
58 34.4 26.6 39.8



#17
Carbon Disulfide
Concen: 3.193 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW014731.D
Acq: 23 Jan 2020 18:21

Tgt Ion: 76 Resp: 22308
Ion Ratio Lower Upper
76 100
78 10.1 7.8 11.6

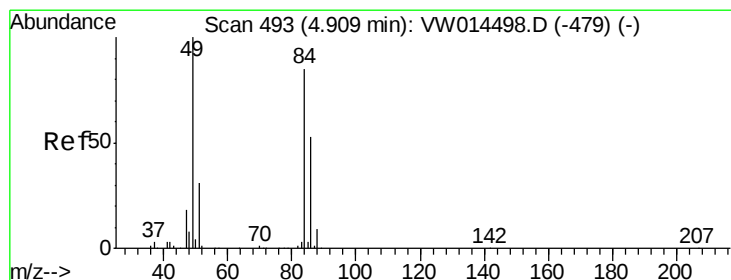
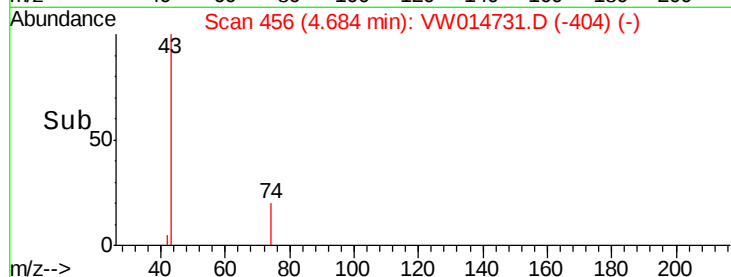
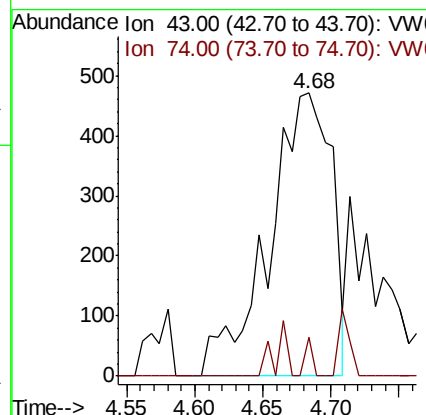
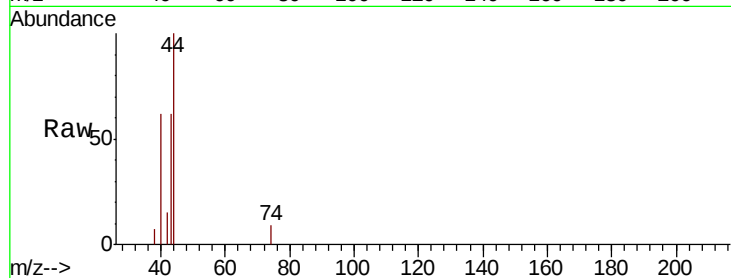




#18
Methyl Acetate
Concen: 1.089 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.02 min
Lab File: VW014731.D
Acq: 23 Jan 2020 18:21

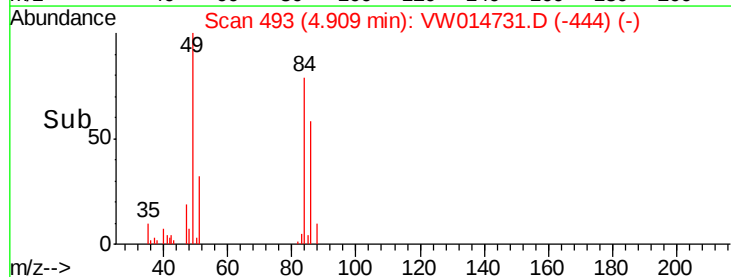
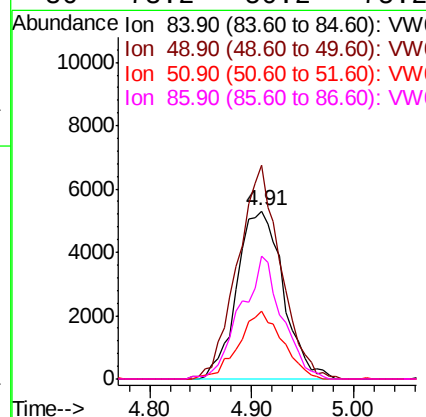
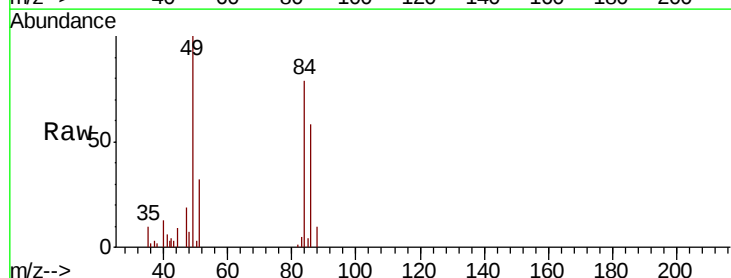
Instrument :
MSVOA_W
ClientSampled :

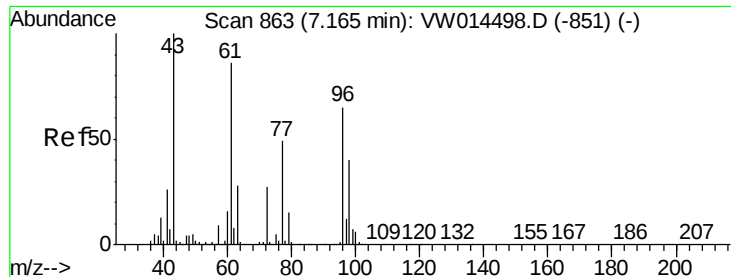
Tot Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
74 1.6 19.3 28.9#



#20
Methylene Chloride
Concen: 2.929 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014731.D
Acq: 23 Jan 2020 18:21

Tgt Ion: 84 Resp: 16705
Ion Ratio Lower Upper
84 100
49 127.2 94.4 141.6
51 40.8 29.5 44.3
86 73.2 50.2 75.2

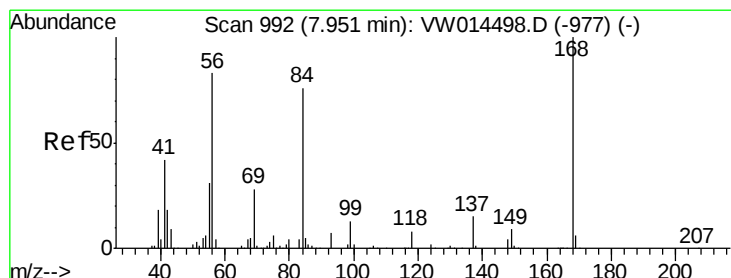
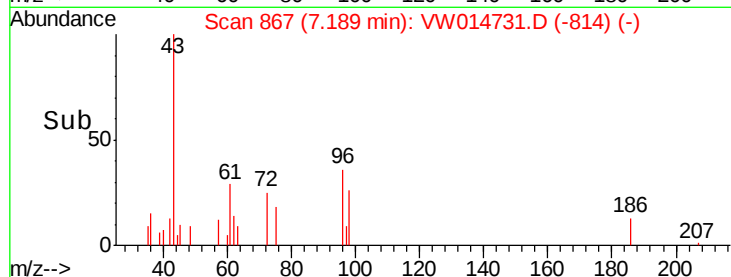
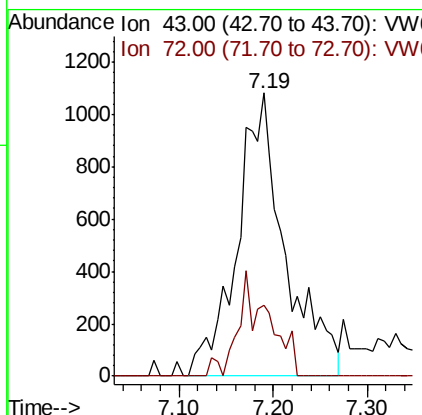
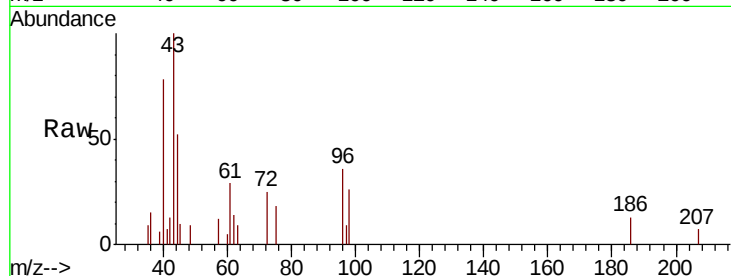




#25
2-Butanone
Concen: 5.218 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW014731.D
Acq: 23 Jan 2020 18:21

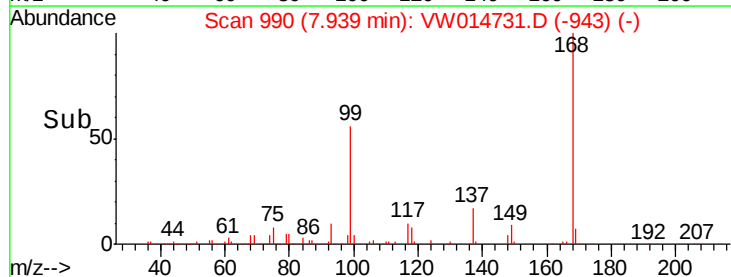
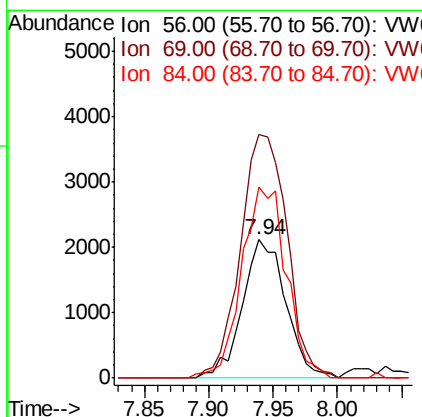
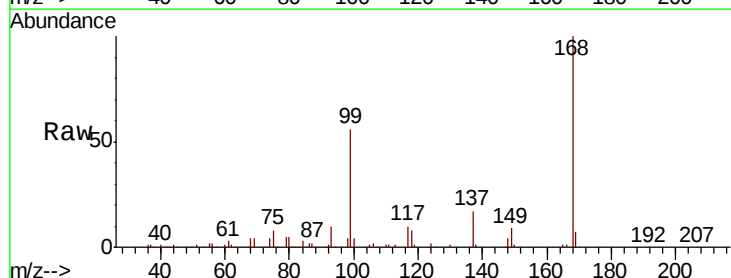
Instrument :
MSVOA_W
ClientSampleId :

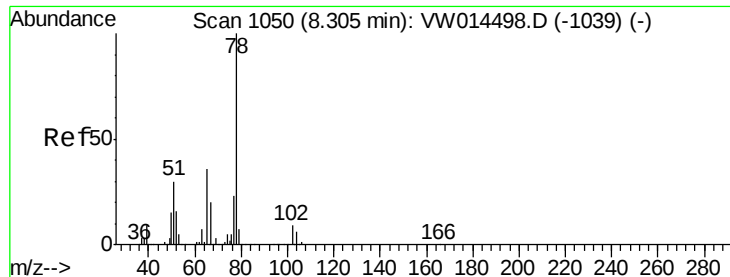
Tot Ion: 43 Resp: 3851
Ion Ratio Lower Upper
43 100
72 25.3 21.9 32.9



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW014731.D
Acq: 23 Jan 2020 18:21

Tgt Ion: 56 Resp: 4941
Ion Ratio Lower Upper
56 100
69 175.7 26.8 40.2#
84 138.2 71.8 107.6#

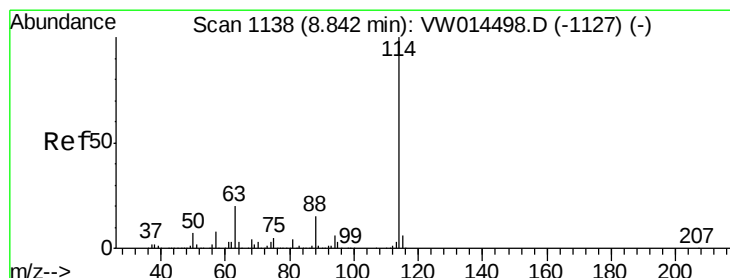
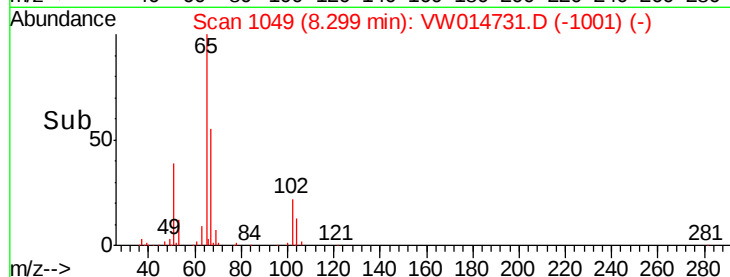
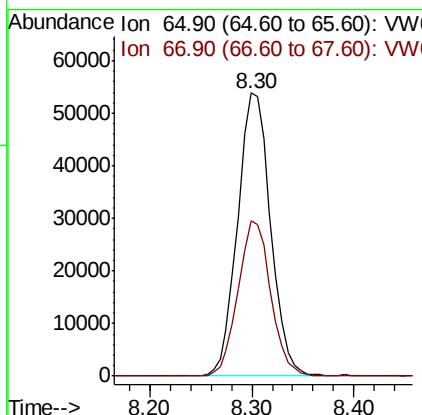
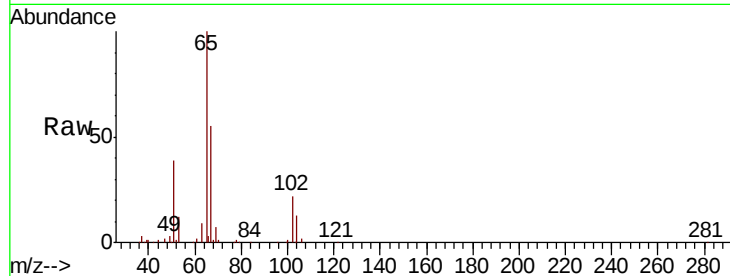




#33
 1,2-Dichloroethane-d4
 Concen: 59.504 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014731.D
 Acq: 23 Jan 2020 18:21

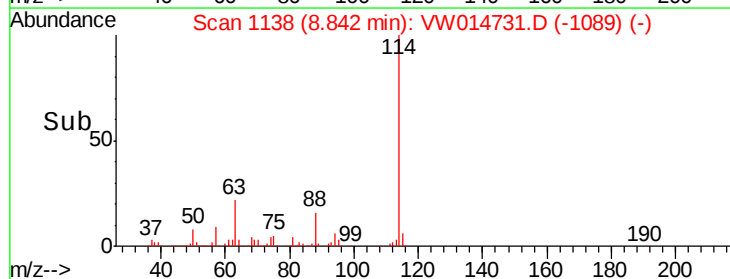
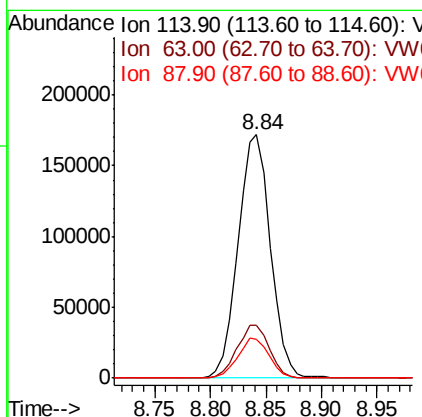
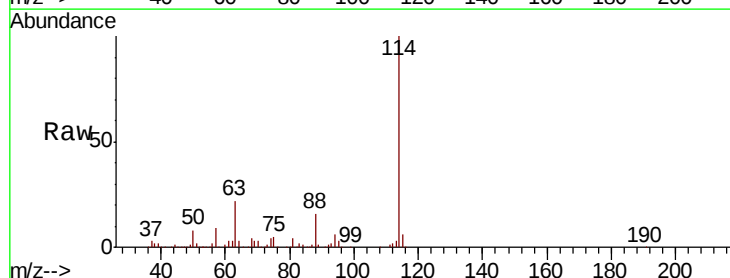
Instrument :
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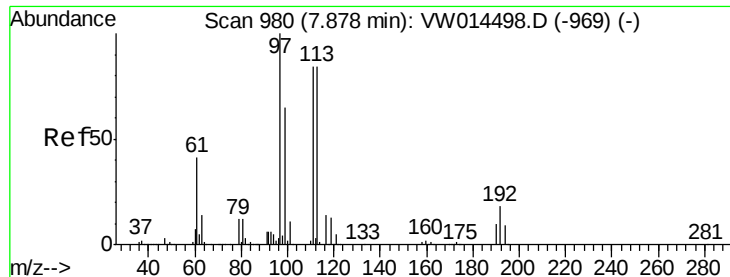
Tot Ion: 65 Resp: 121182
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014731.D
 Acq: 23 Jan 2020 18:21

Tgt Ion: 114 Resp: 346247
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 40.4
 88 16.1 0.0 30.6

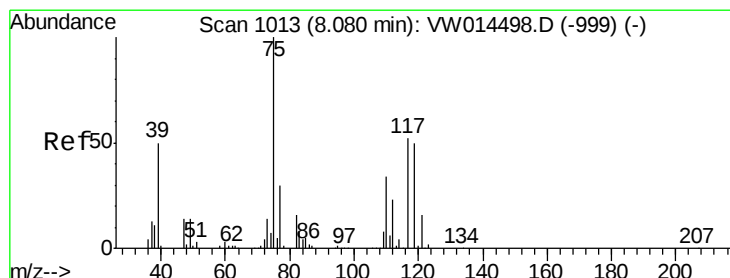
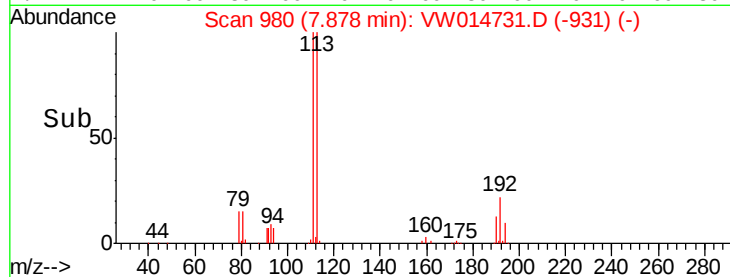
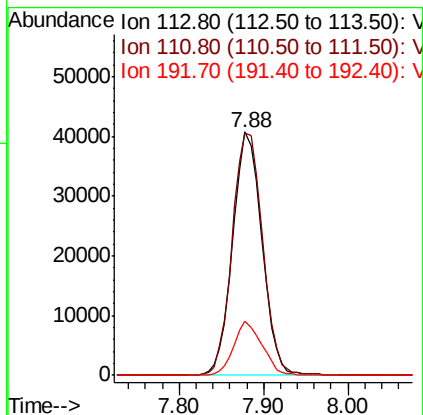
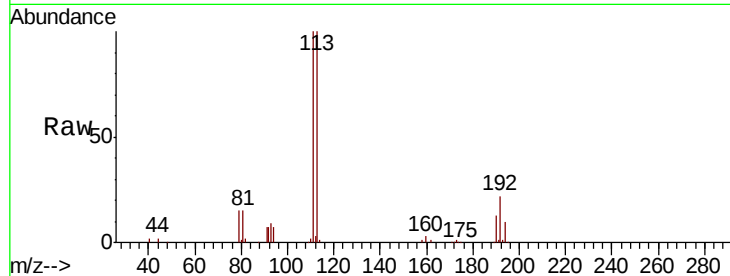




#35
 Dibromofluoromethane
 Concen: 48.270 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014731.D
 Acq: 23 Jan 2020 18:21

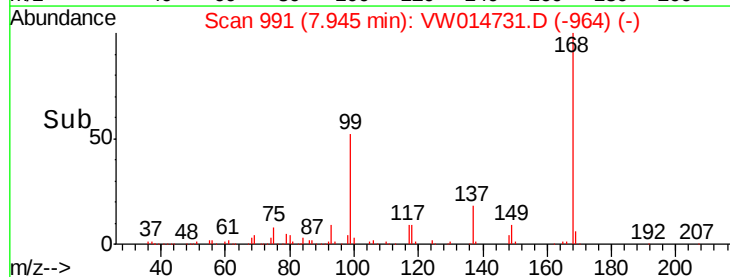
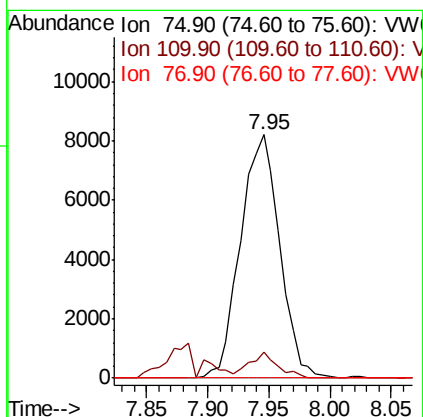
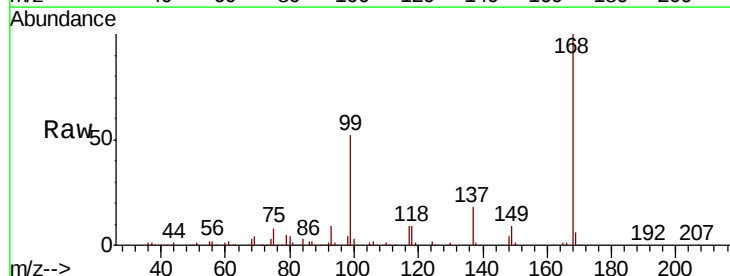
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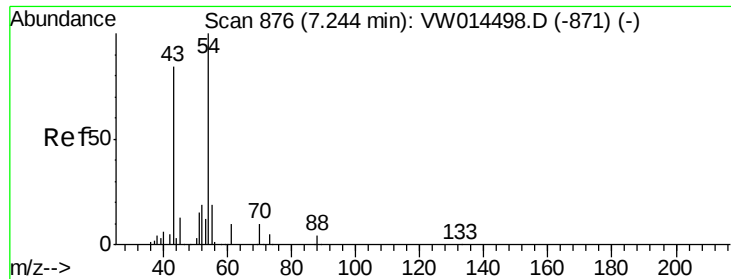
Tot Ion:113 Resp: 95520
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.4 122.2
 192 21.4 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 5.478 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014731.D
 Acq: 23 Jan 2020 18:21

Tgt Ion: 75 Resp: 18284
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.8 53.5#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.544 ug/l

RT: 7.19 min Scan# 867

Delta R.T. -0.05 min

Lab File: VW014731.D

Acq: 23 Jan 2020 18:21

Instrument :
MSVOA_W
ClientSampleId :

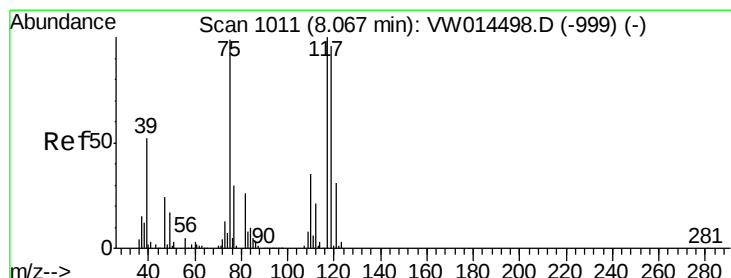
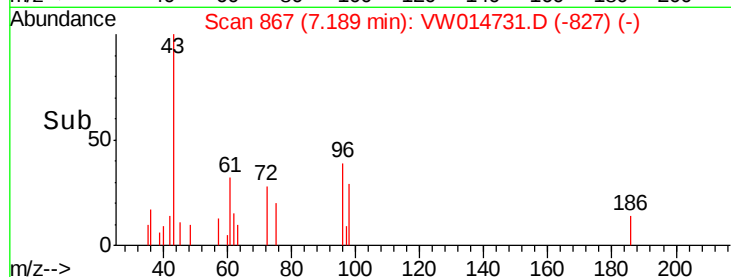
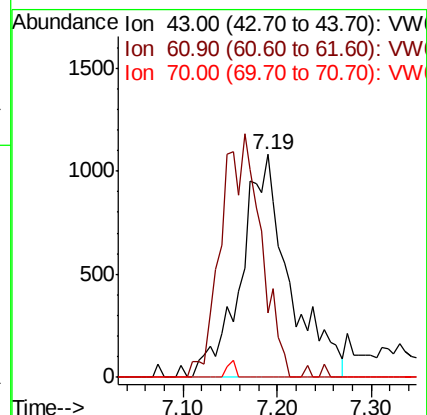
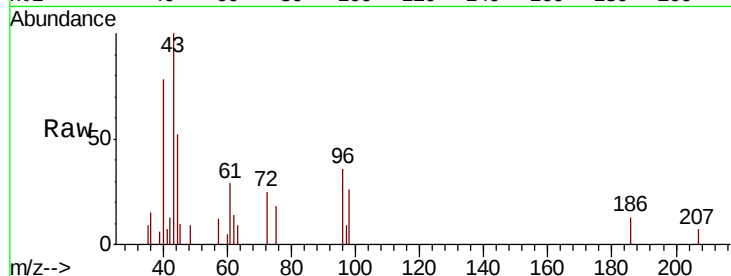
Tot Ion: 43 Resp: 3851

Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

70 0.0 9.0 13.6#



#38

Carbon Tetrachloride

Concen: 7.691 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW014731.D

Acq: 23 Jan 2020 18:21

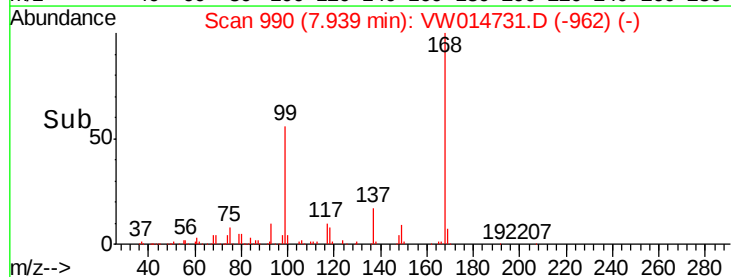
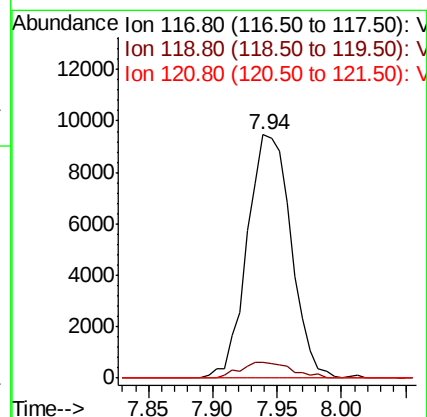
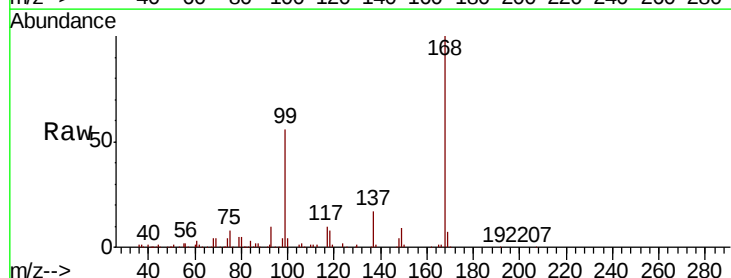
Tgt Ion: 117 Resp: 22273

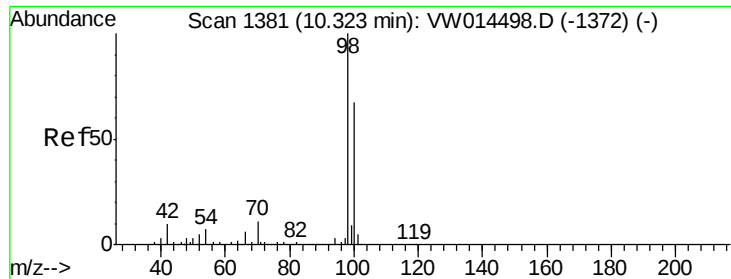
Ion Ratio Lower Upper

117 100

119 6.5 77.0 115.6#

121 0.0 24.6 36.8#

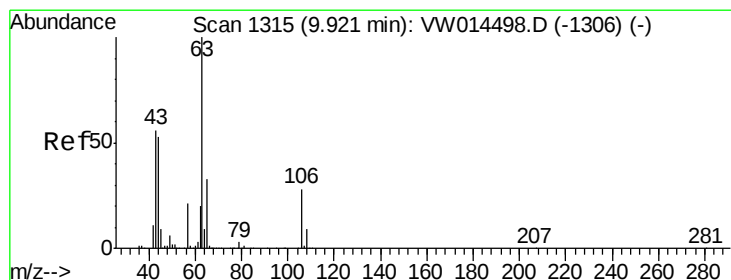
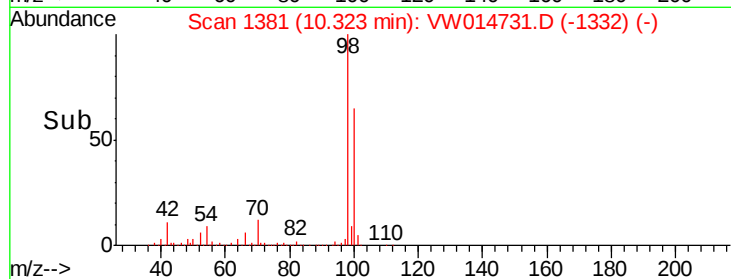
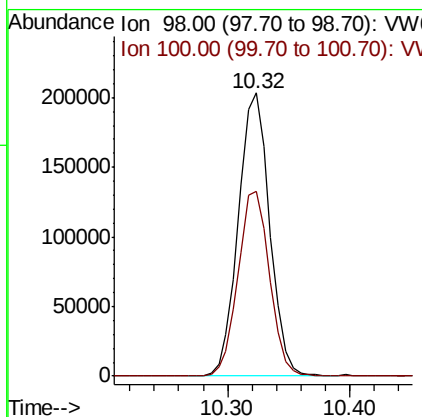
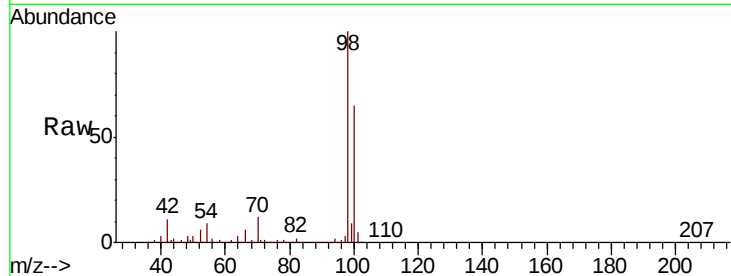




#50
Toluene-d8
Concen: 43.735 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014731.D
Acq: 23 Jan 2020 18:21

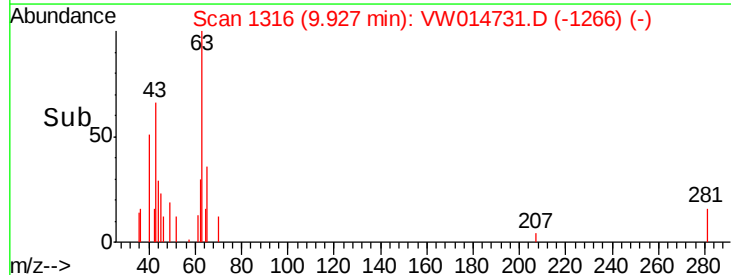
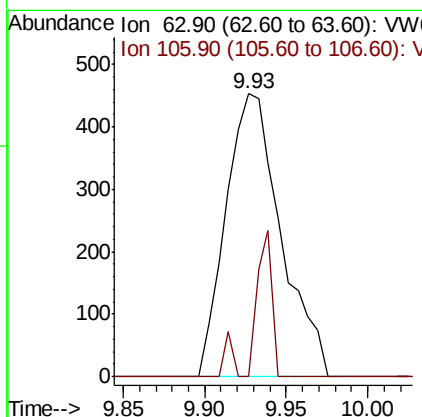
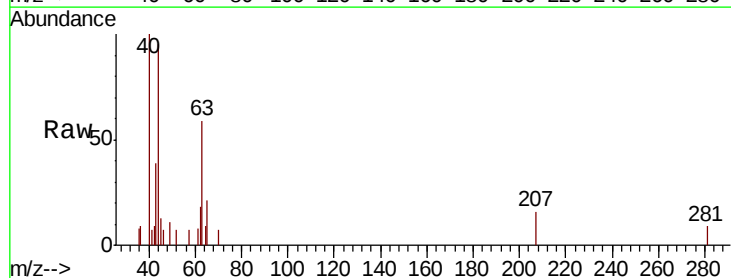
Instrument :
MSVOA_W
ClientSampled :

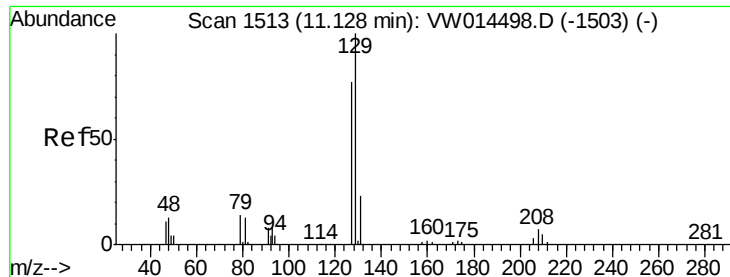
Tot Ion: 98 Resp: 361177
Ion Ratio Lower Upper
98 100
100 65.9 53.8 80.6



#58
2-Chloroethyl Vinyl ether
Concen: 1.616 ug/l
RT: 9.93 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VW014731.D
Acq: 23 Jan 2020 18:21

Tgt Ion: 63 Resp: 1067
Ion Ratio Lower Upper
63 100
106 16.5 23.0 34.6#





#60

Dibromochloromethane

Concen: 1.595 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW014731.D

Acq: 23 Jan 2020 18:21

Instrument :

MSVOA_W

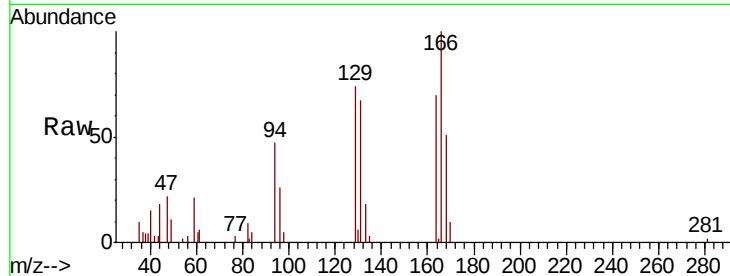
ClientSampleId :

Tot Ion:129 Resp: 3007

Ion Ratio Lower Upper

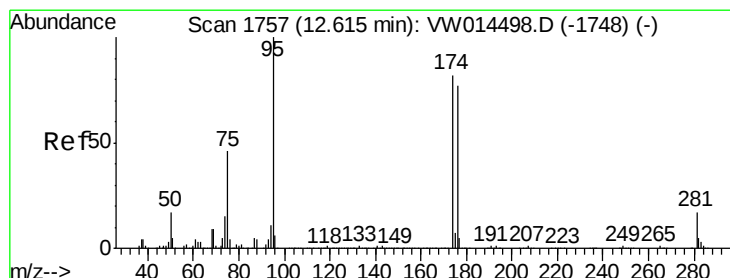
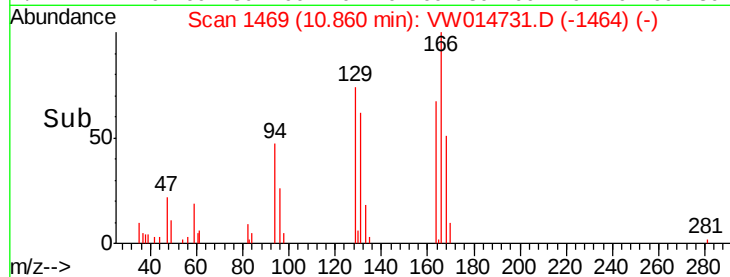
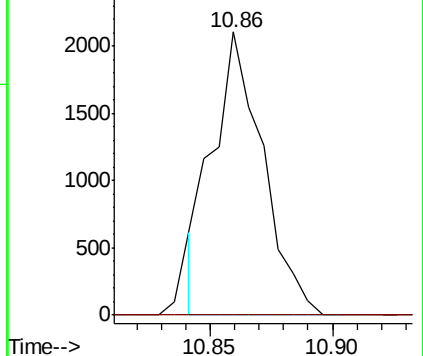
129 100

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



#62

4-Bromofluorobenzene

Concen: 26.852 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014731.D

Acq: 23 Jan 2020 18:21

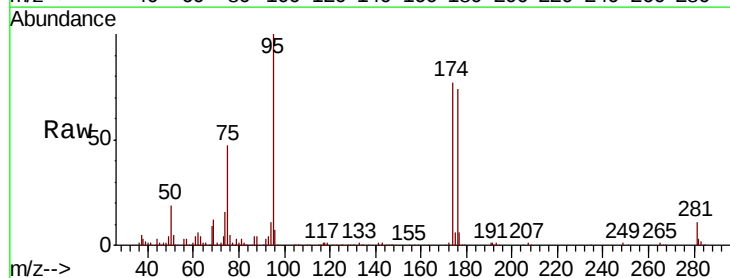
Tgt Ion: 95 Resp: 75215

Ion Ratio Lower Upper

95 100

174 80.5 0.0 168.6

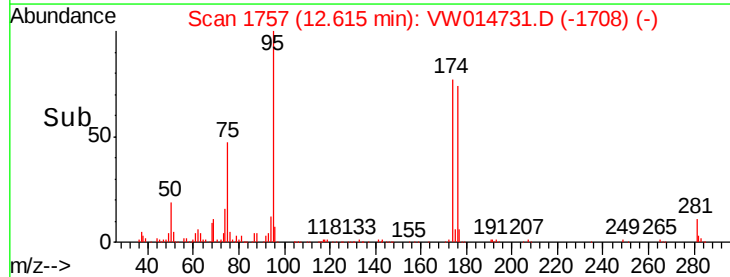
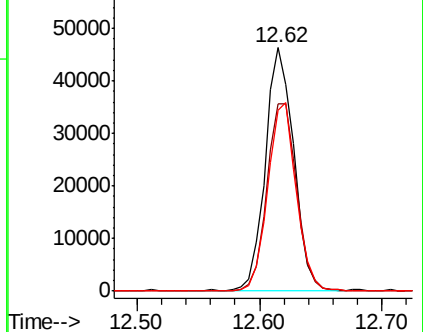
176 76.8 0.0 162.0

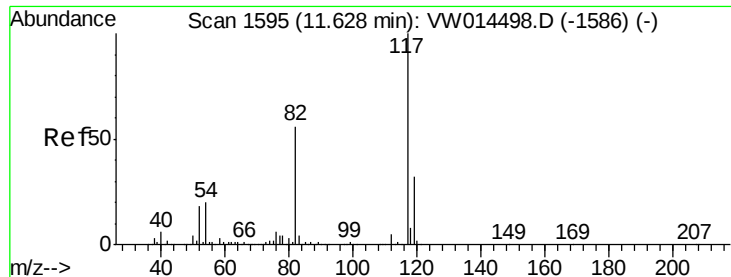


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

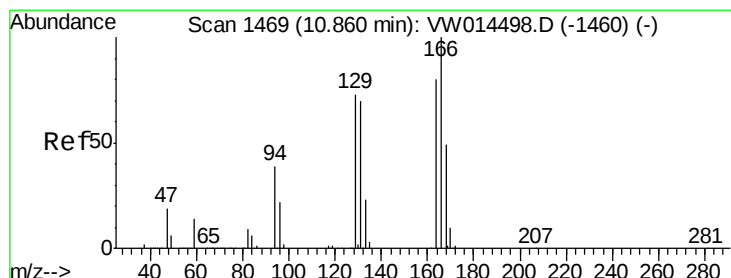
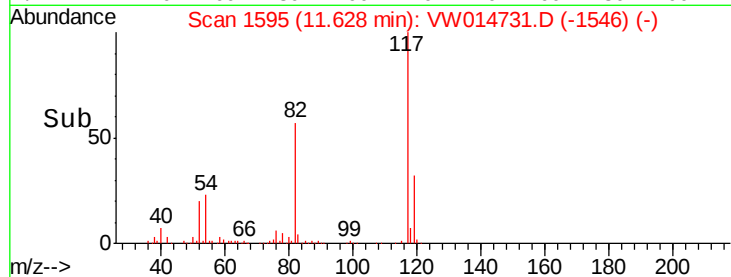
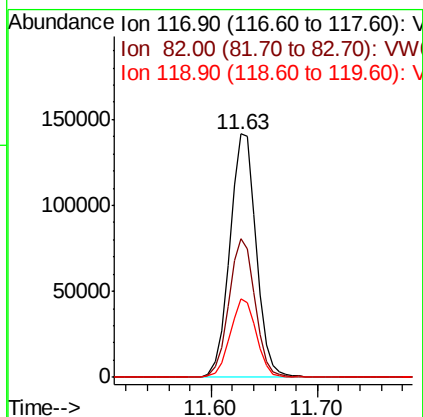
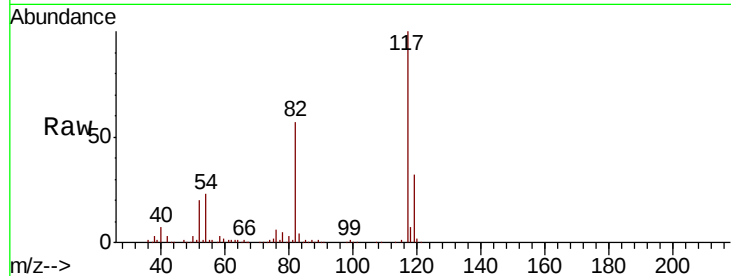




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014731.D
Acq: 23 Jan 2020 18:21

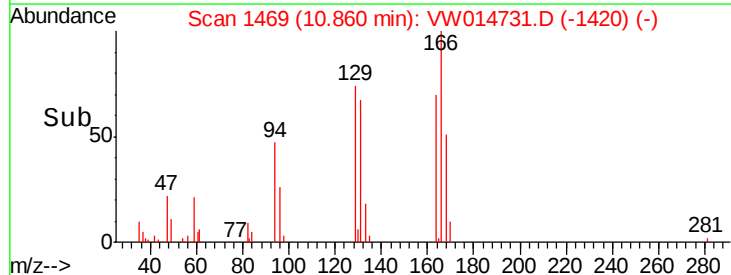
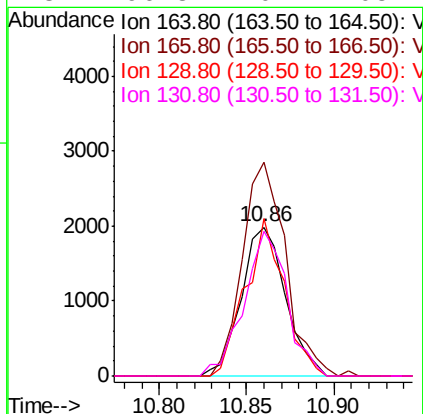
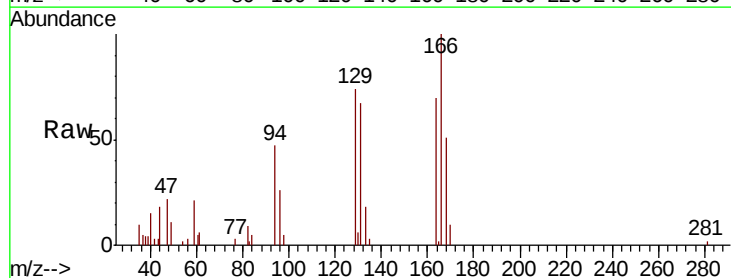
Instrument :
MSVOA_W
ClientSampleId :

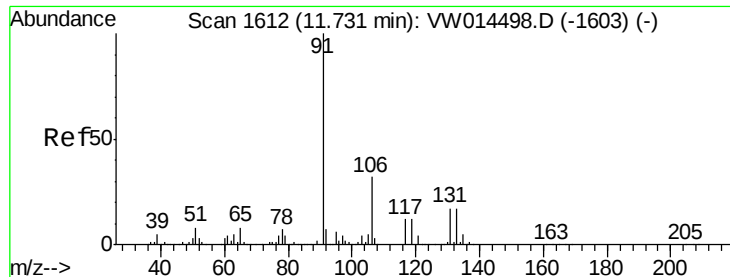
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.6	67.0
119	32.3	25.7	38.5



#64
Tetrachloroethene
Concen: 1.979 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014731.D
Acq: 23 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	143.5	99.8	149.6
129	105.8	72.4	108.6
131	96.8	70.1	105.1





#67

Ethyl Benzene

Concen: 2.120 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW014731.D

Acq: 23 Jan 2020 18:21

Instrument :

MSVOA_W

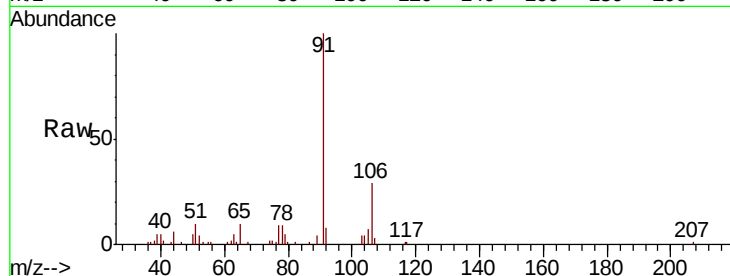
ClientSampled :

Tot Ion: 91 Resp: 19267

Ion Ratio Lower Upper

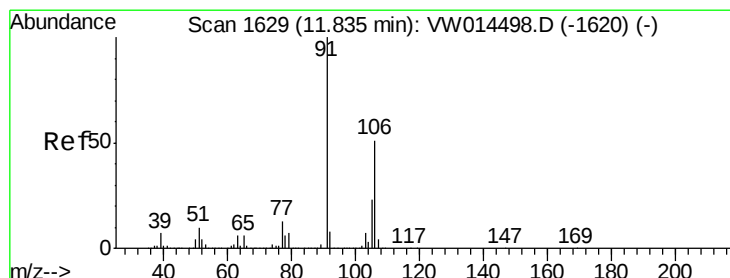
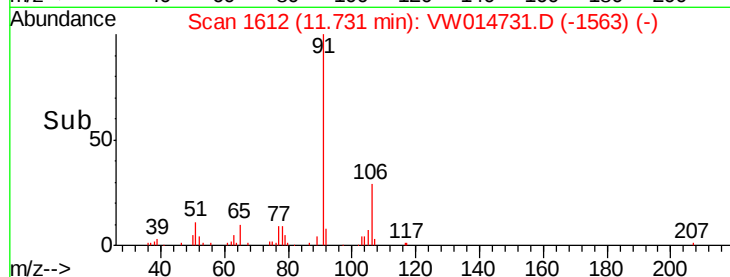
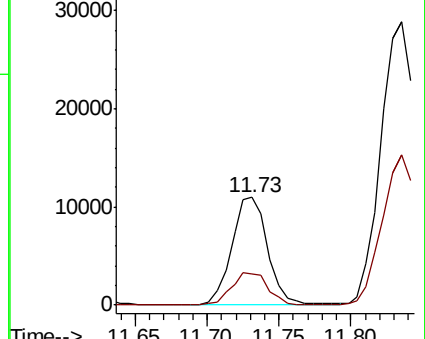
91 100

106 29.3 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 7.897 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014731.D

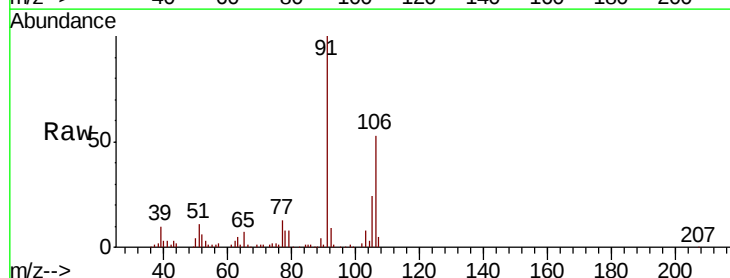
Acq: 23 Jan 2020 18:21

Tgt Ion: 106 Resp: 27474

Ion Ratio Lower Upper

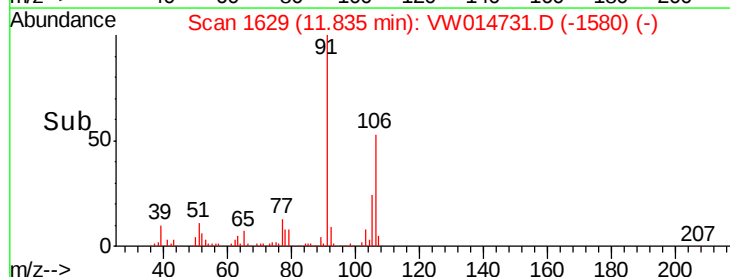
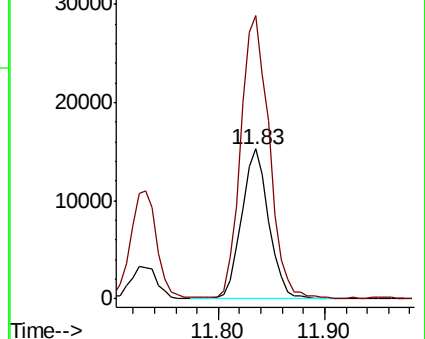
106 100

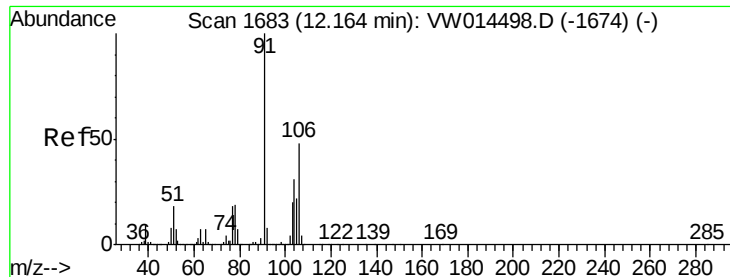
91 198.3 159.0 238.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

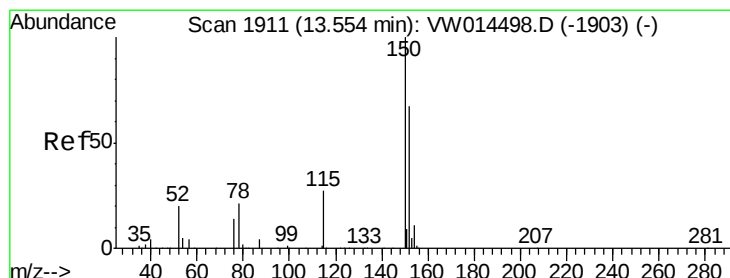
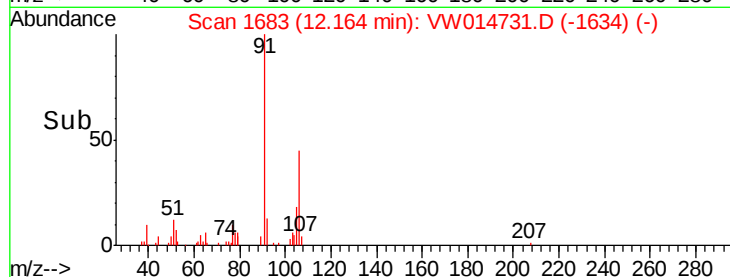
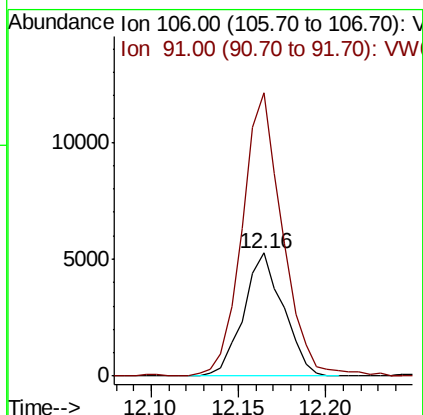
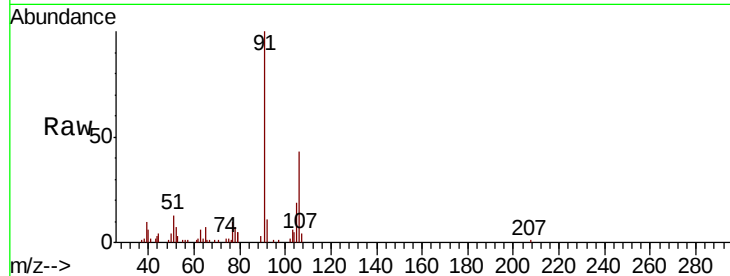




#69
o-Xylene
Concen: 2.587 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014731.D
Acq: 23 Jan 2020 18:21

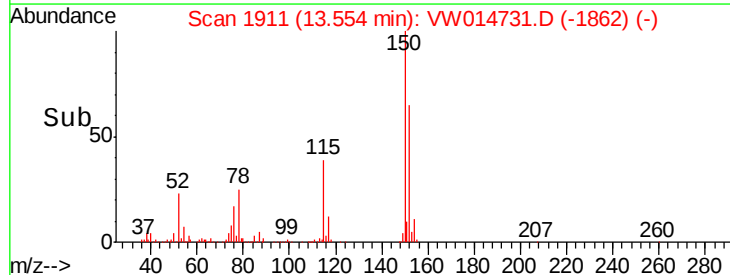
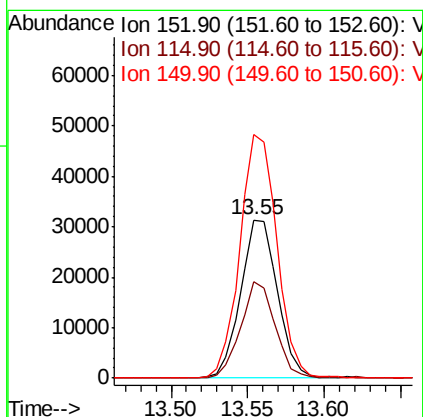
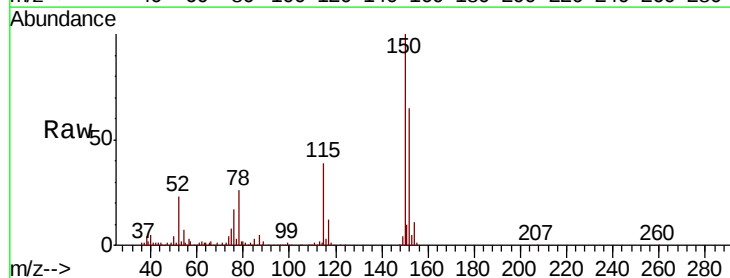
Instrument :
MSVOA_W
ClientSampled :

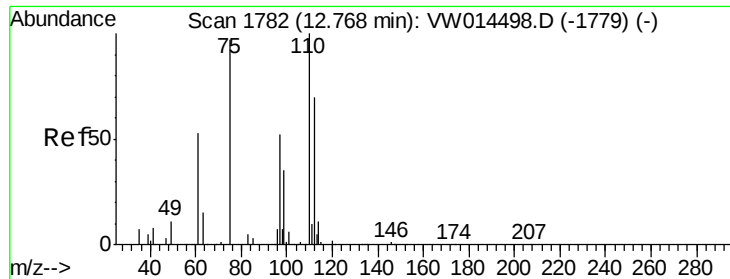
Tot Ion:106 Resp: 8314
Ion Ratio Lower Upper
106 100
91 234.0 105.2 315.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014731.D
Acq: 23 Jan 2020 18:21

Tgt Ion:152 Resp: 52447
Ion Ratio Lower Upper
152 100
115 57.2 27.7 83.1
150 154.8 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 72.272 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014731.D

Acq: 23 Jan 2020 18:21

Instrument :

MSVOA_W

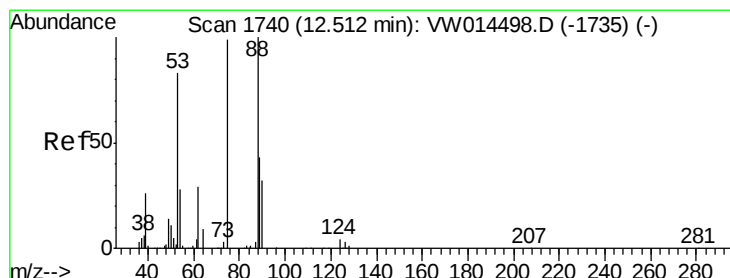
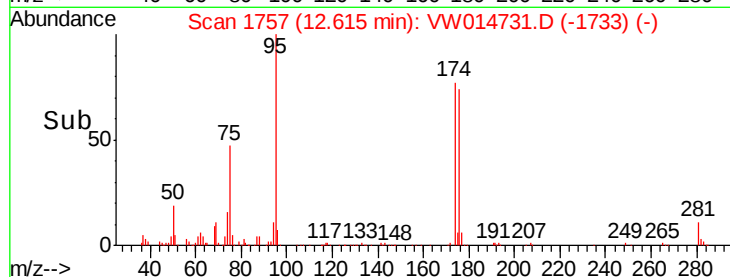
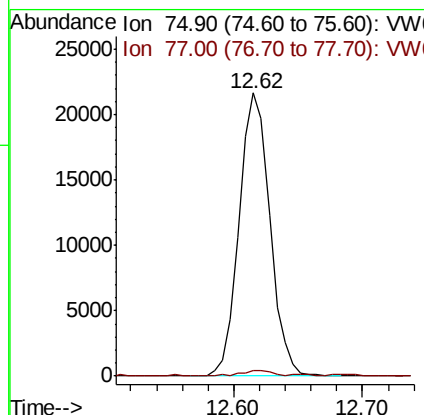
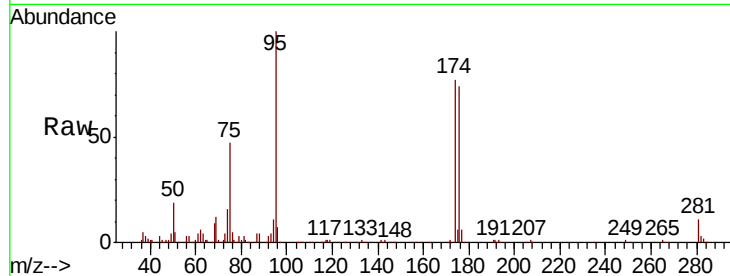
ClientSampleId :

Tot Ion: 75 Resp: 35838

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 161.024 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014731.D

Acq: 23 Jan 2020 18:21

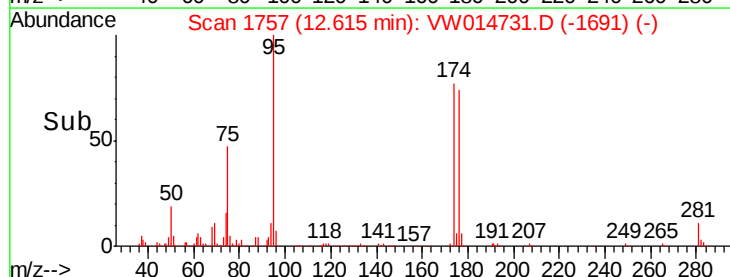
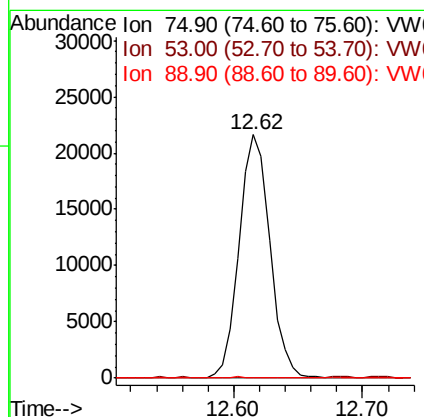
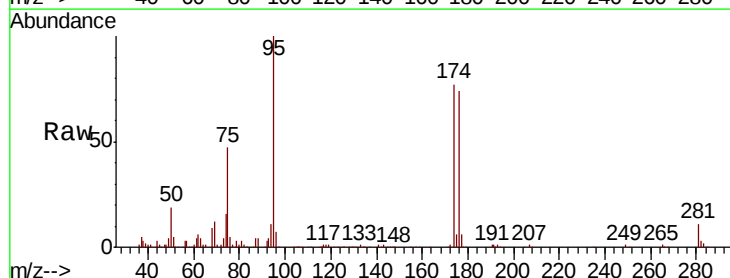
Tgt Ion: 75 Resp: 35838

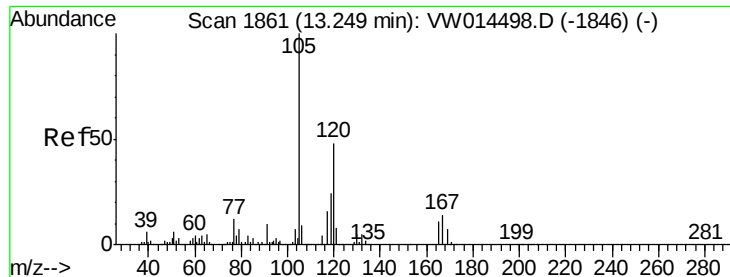
Ion Ratio Lower Upper

75 100

53 0.2 70.9 106.3#

89 0.1 35.8 53.8#

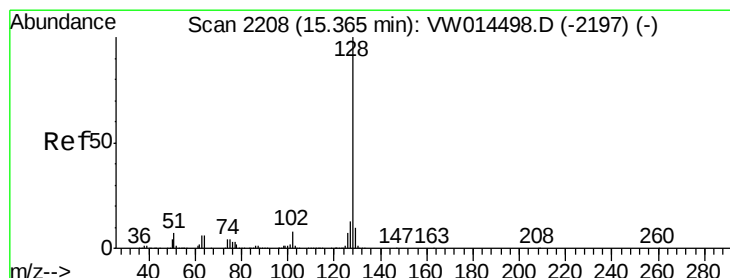
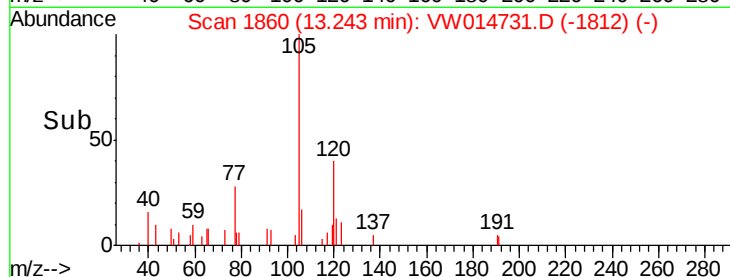
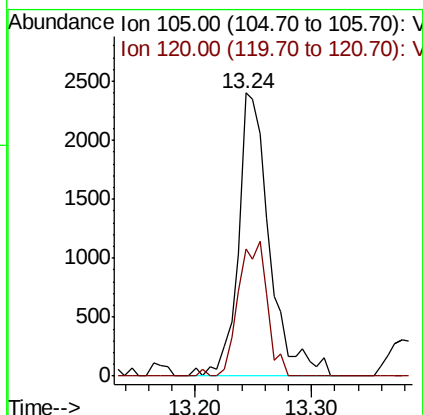
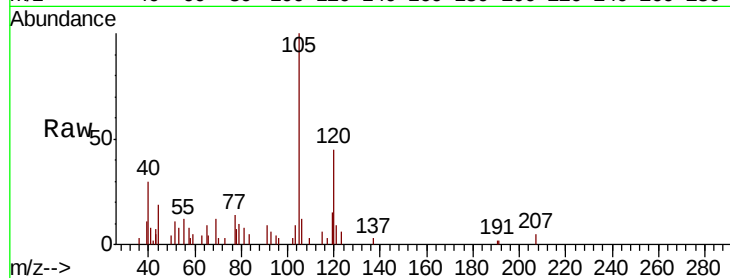




#84
 1,2,4-Trimethylbenzene
 Concen: 1.393 ug/l
 RT: 13.24 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VW014731.D
 Acq: 23 Jan 2020 18:21

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:105 Resp: 4480
 Ion Ratio Lower Upper
 105 100
 120 43.6 23.4 70.0



#95
 Naphthalene
 Concen: 1.154 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW014731.D
 Acq: 23 Jan 2020 18:21

Tgt Ion:128 Resp: 2030
 Ion Ratio Lower Upper
 128 100
 127 15.3 10.6 15.8
 129 10.4 8.7 13.1

