

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014583.D
 Acq On : 09 Jan 2020 15:36
 Operator : SY/VA
 Sample : L1056-08RE
 Misc : 9.35G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 09 16:16:03 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	680140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1033156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	675011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	209392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	260086	43.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.48%	
35) Dibromofluoromethane	7.88	113	285401	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
50) Toluene-d8	10.32	98	1092563	44.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.68%	
62) 4-Bromofluorobenzene	12.62	95	250889	30.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.04%	

Target Compounds

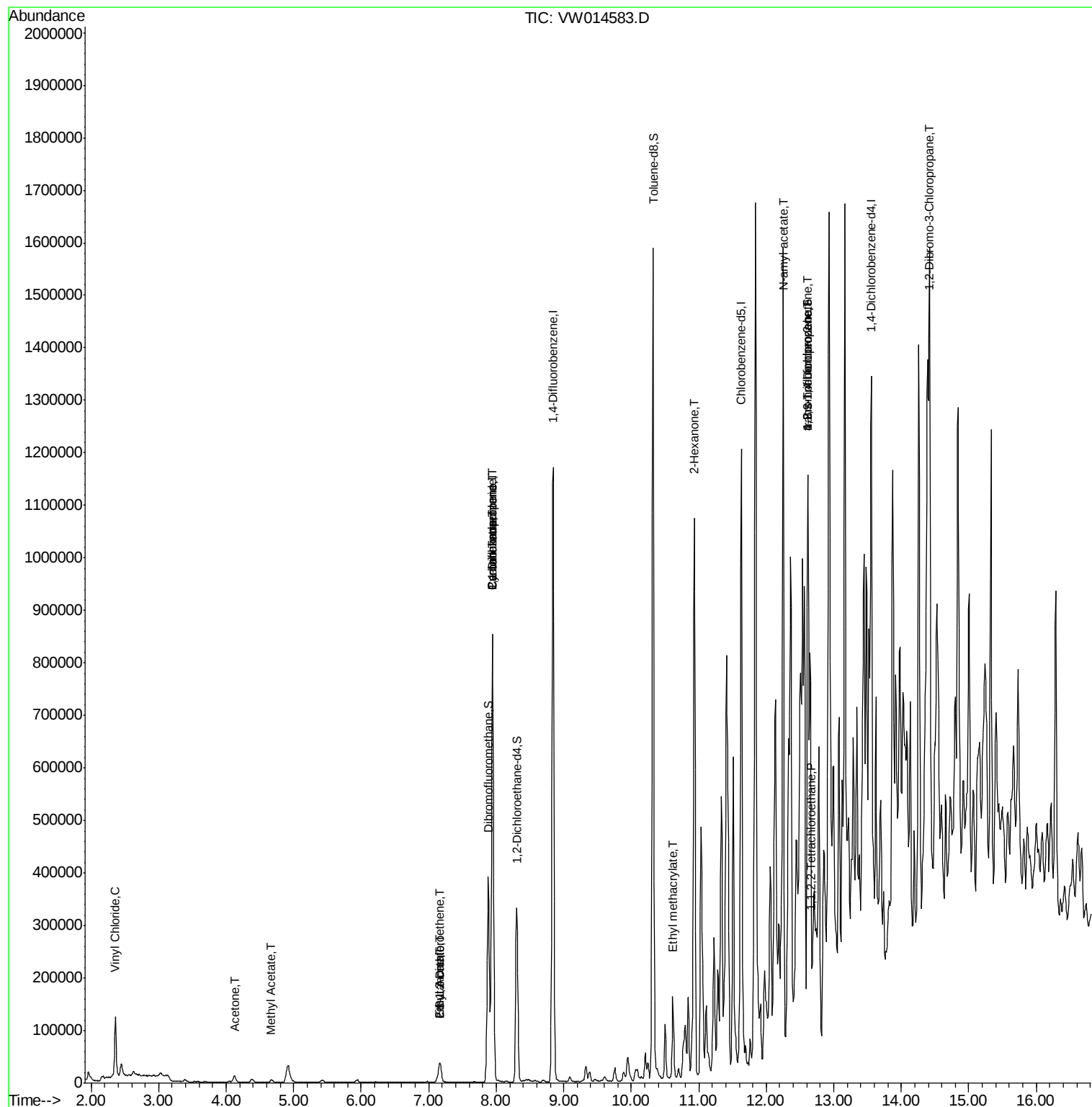
						Qvalue
4) Vinyl Chloride	2.36	62	115473	16.702	ug/l	99
11) Tert butyl alcohol	5.18	59	930	Below Cal	#	73
16) Acetone	4.12	43	20025	11.926	ug/l	99
18) Methyl Acetate	4.67	43	9251	2.281	ug/l	94
20) Methylene Chloride	4.92	84	28409	Below Cal		95
25) 2-Butanone	7.17	43	6140	2.849	ug/l #	89
27) cis-1,2-Dichloroethene	7.17	96	19030	2.520	ug/l	92
31) Cyclohexane	7.95	56	13065	1.029	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	46309	4.649	ug/l #	50
37) Ethyl Acetate	7.17	43	6140	1.359	ug/l #	69
38) Carbon Tetrachloride	7.95	117	60501	7.002	ug/l #	16
56) Ethyl methacrylate	10.62	69	42178	6.509	ug/l #	81
59) 2-Hexanone	10.93	43	393512	134.061	ug/l #	27
74) N-amyl acetate	12.25	43	318683	92.507	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.68	83	11131	4.014	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	112747	56.950	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	112747	126.886	ug/l #	20
92) 1,2-Dibromo-3-Chloropropan	14.41	75	1277	2.908	ug/l	94

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

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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: VW014583.D

Acq: 09 Jan 2020 15:36

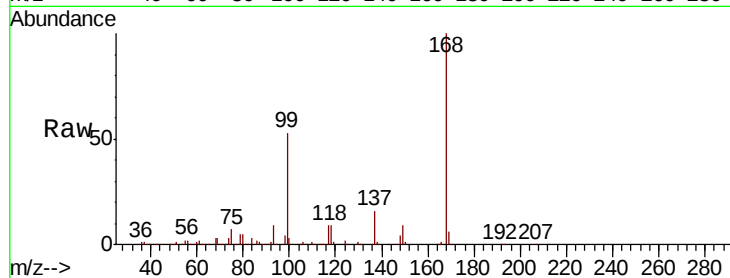
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 680140

Ion Ratio Lower Upper

168 100

99 52.9 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

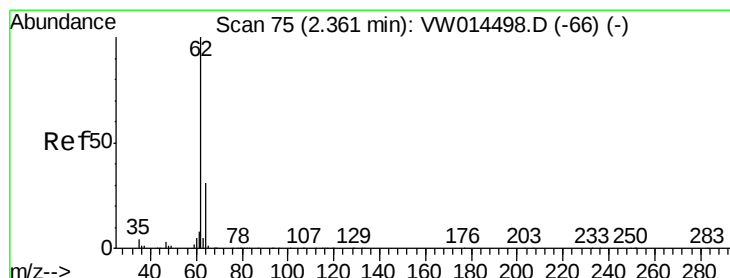
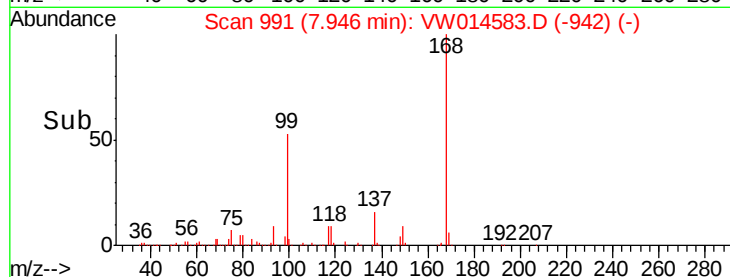
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 16.702 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014583.D

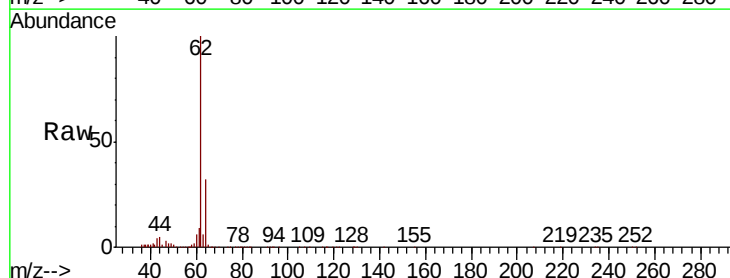
Acq: 09 Jan 2020 15:36

Tgt Ion: 62 Resp: 115473

Ion Ratio Lower Upper

62 100

64 31.9 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

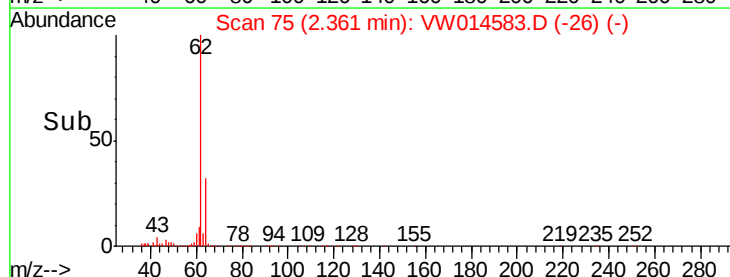
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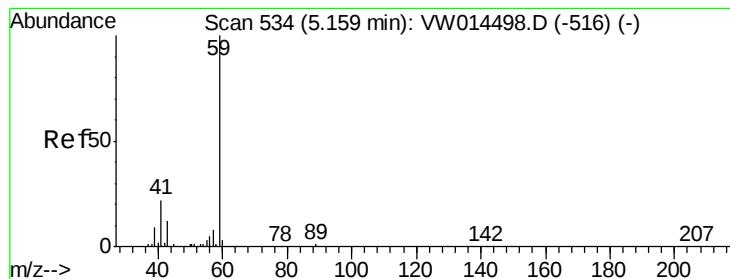
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Time-->



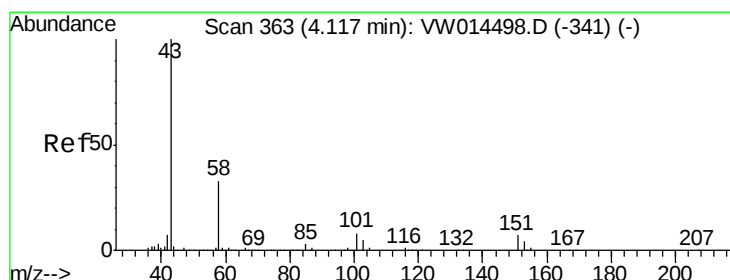
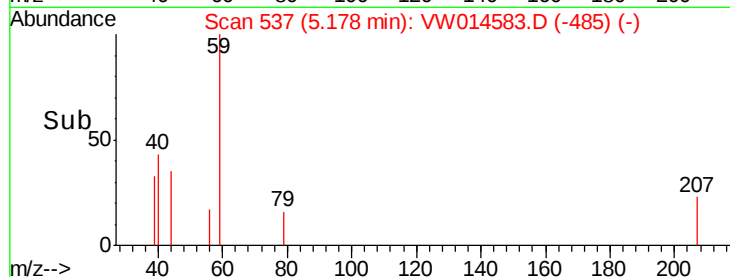
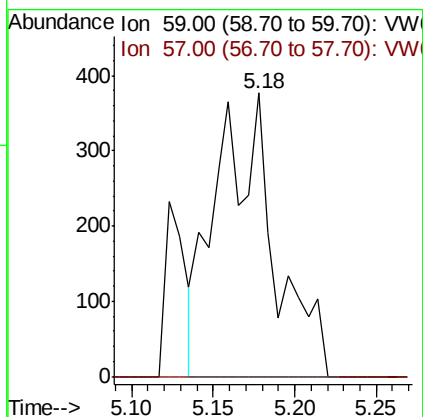
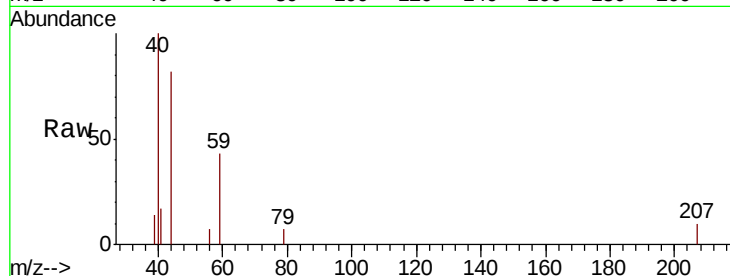


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 537
 Delta R.T. 0.02 min
 Lab File: VW014583.D
 Acq: 09 Jan 2020 15:36

Instrument :
 MSVOA_W
 ClientSampleId :

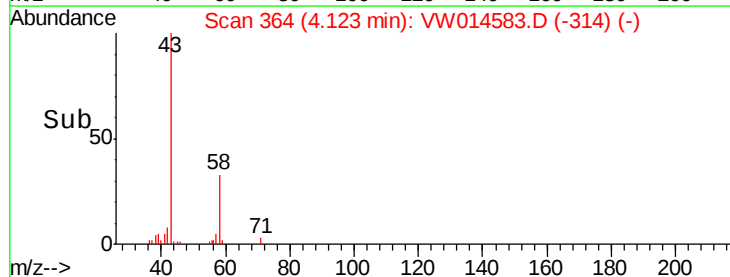
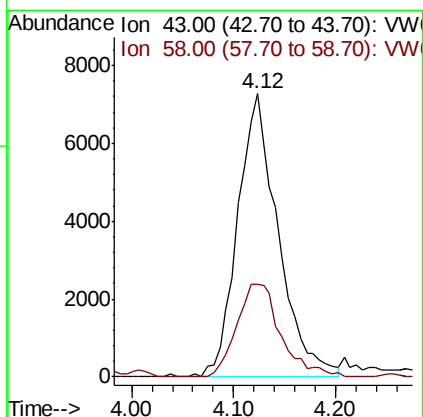
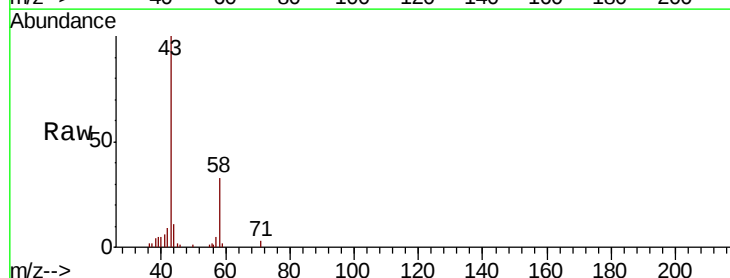
Tot Ion: 59 Resp: 930
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

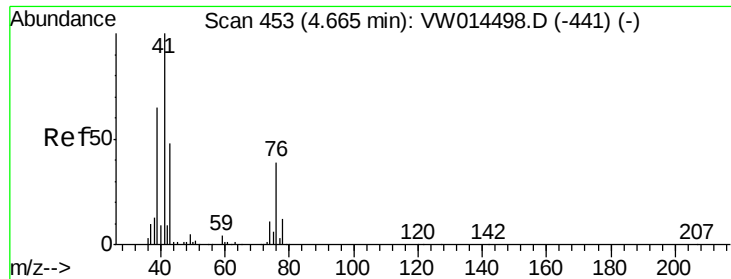


#16

Acetone
 Concen: 11.926 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW014583.D
 Acq: 09 Jan 2020 15:36

Tgt Ion: 43 Resp: 20025
 Ion Ratio Lower Upper
 43 100
 58 32.8 26.6 39.8

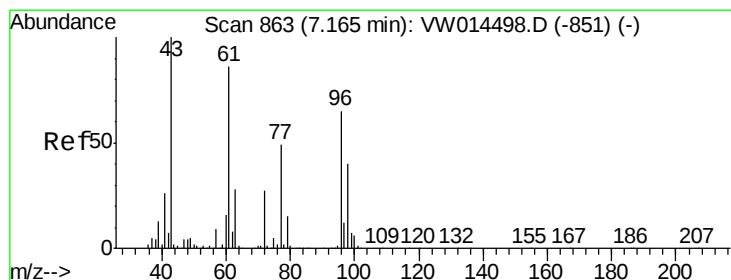
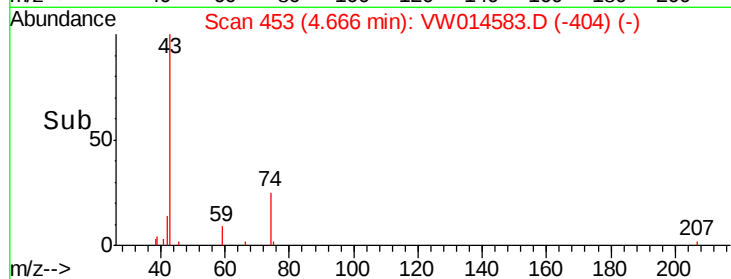
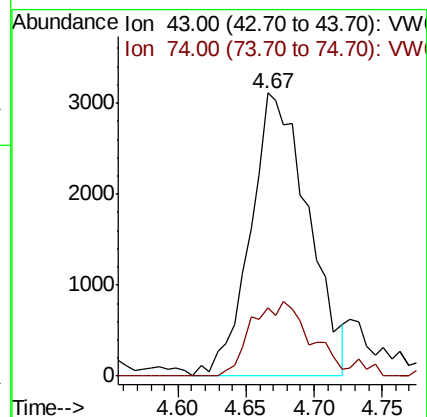
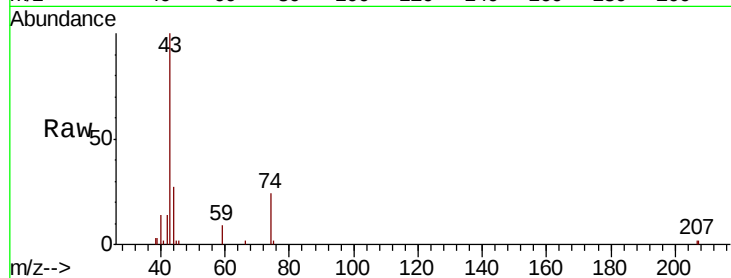




#18
Methyl Acetate
Concen: 2.281 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014583.D
Acq: 09 Jan 2020 15:36

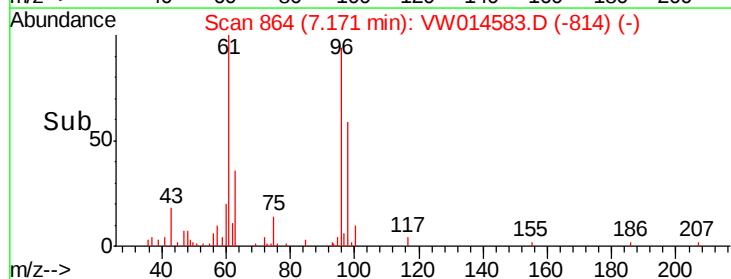
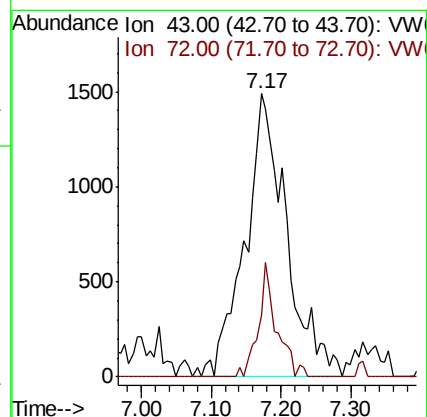
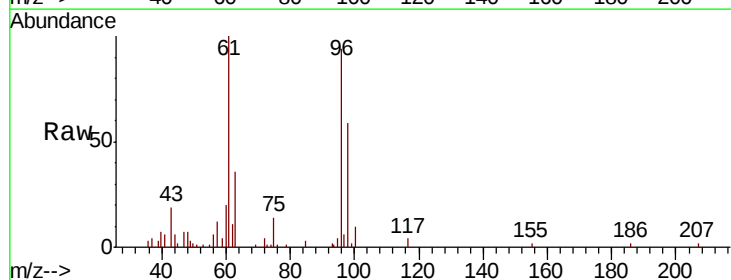
Instrument :
MSVOA_W
ClientSampled :

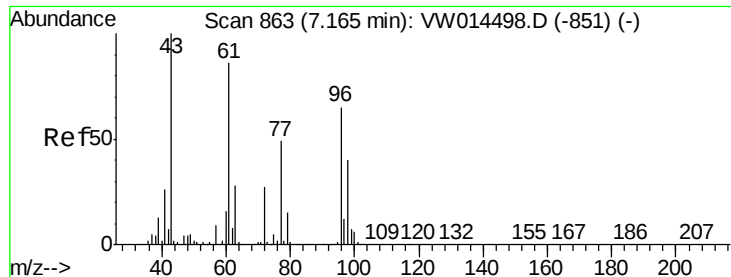
Tot Ion: 43 Resp: 9251
Ion Ratio Lower Upper
43 100
74 27.0 19.3 28.9



#25
2-Butanone
Concen: 2.849 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW014583.D
Acq: 09 Jan 2020 15:36

Tgt Ion: 43 Resp: 6140
Ion Ratio Lower Upper
43 100
72 21.7 21.9 32.9#



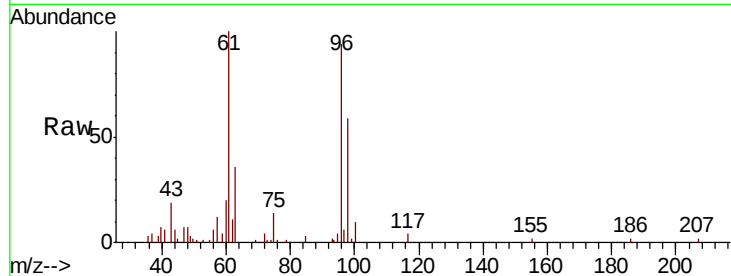


#27

cis-1,2-Dichloroethene
Concen: 2.520 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW014583.D
Acq: 09 Jan 2020 15:36

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	96	Resp	19030
Ion	Ratio	Lower	Upper
96	100		
61	125.8	0.0	274.8
98	66.8	0.0	128.6

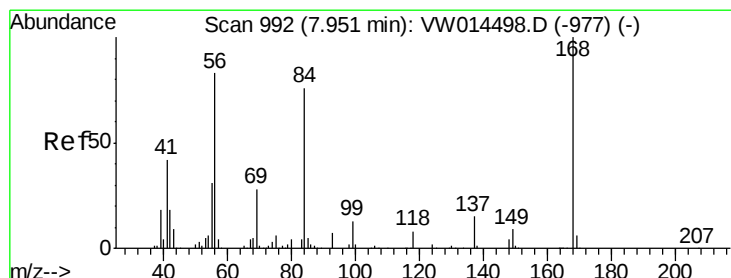
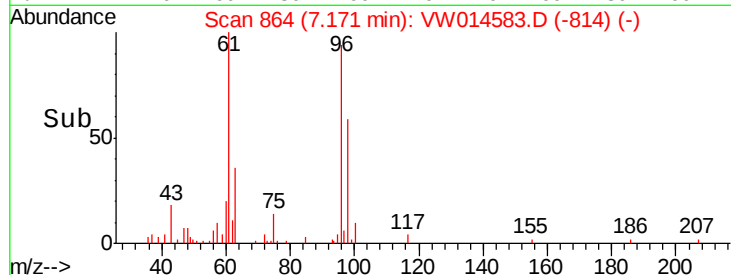
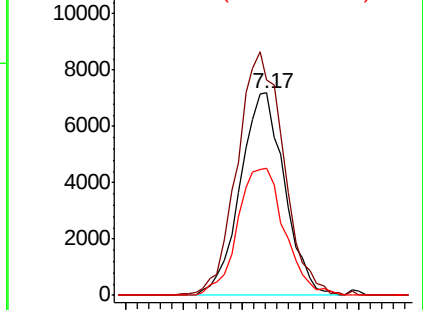


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

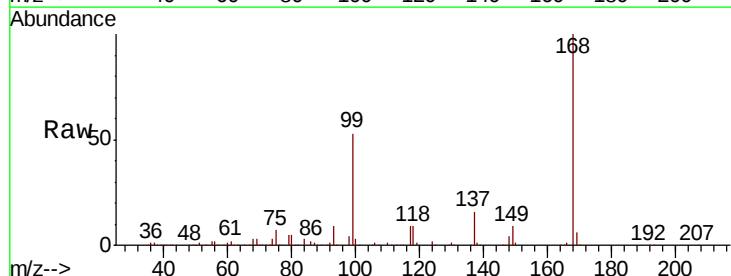
Ion 97.90 (97.60 to 98.60): VW



#31

Cyclohexane
Concen: 1.029 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW014583.D
Acq: 09 Jan 2020 15:36

Tgt Ion	56	Resp	13065
Ion	Ratio	Lower	Upper
56	100		
69	175.4	26.8	40.2#
84	177.9	71.8	107.6#

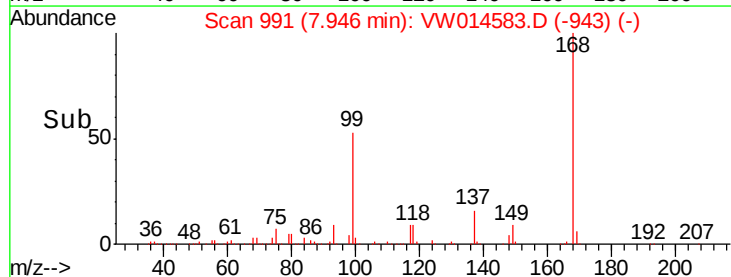
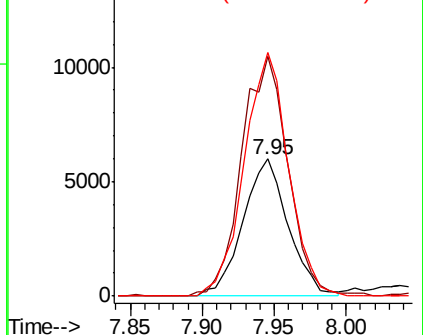


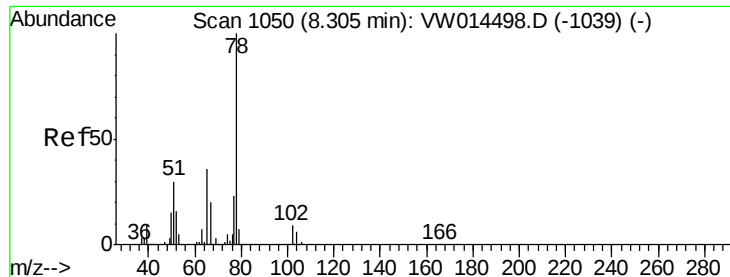
Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

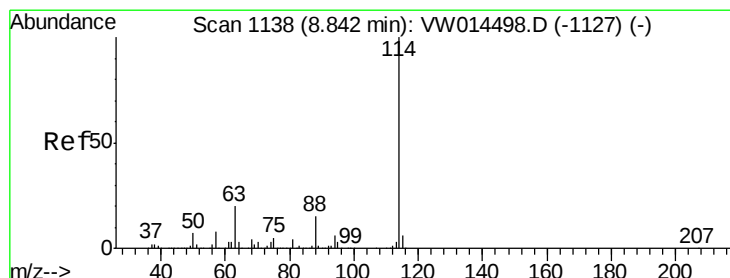
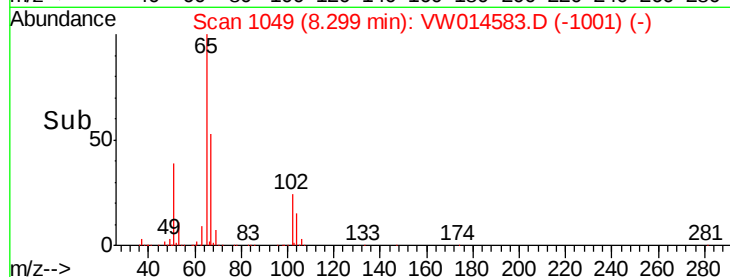
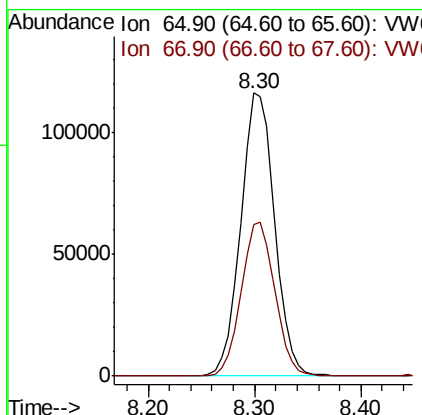
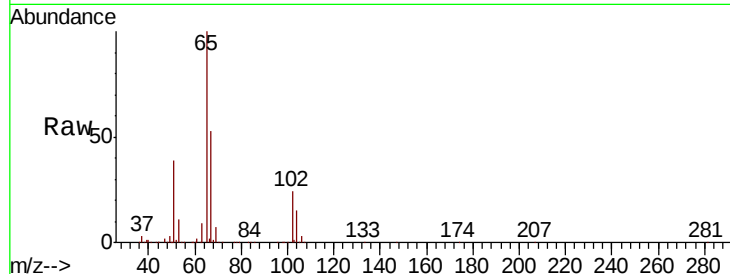




#33
 1,2-Dichloroethane-d4
 Concen: 43.737 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014583.D
 Acq: 09 Jan 2020 15:36

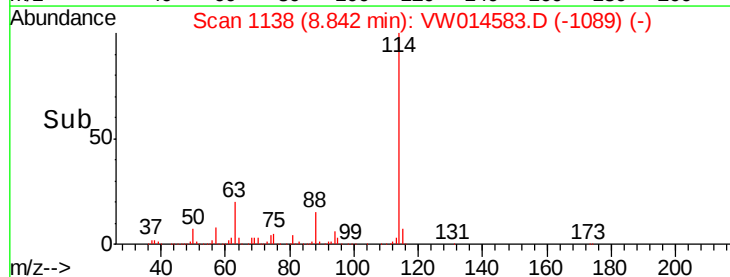
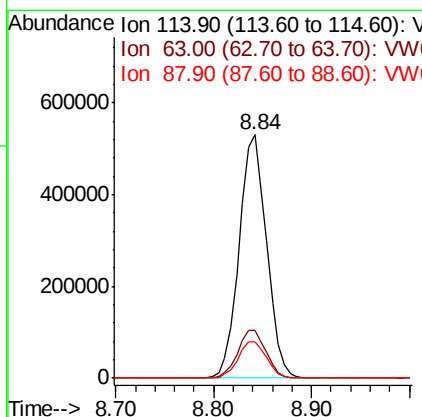
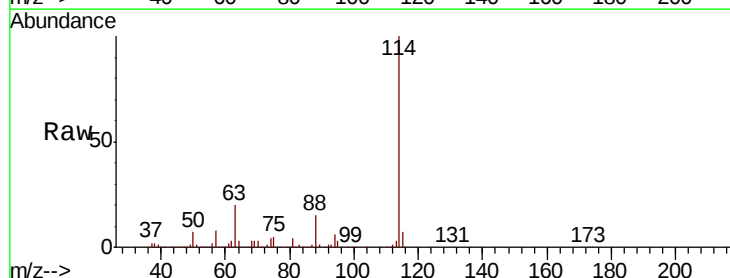
Instrument :
 MSVOA_W
 ClientSampled :

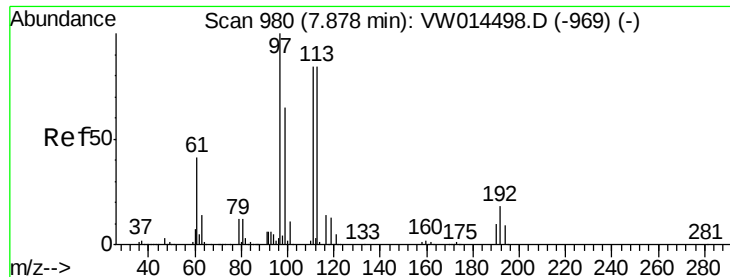
Tot Ion: 65 Resp: 260086
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014583.D
 Acq: 09 Jan 2020 15:36

Tgt Ion: 114 Resp: 1033156
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.4
 88 15.1 0.0 30.6

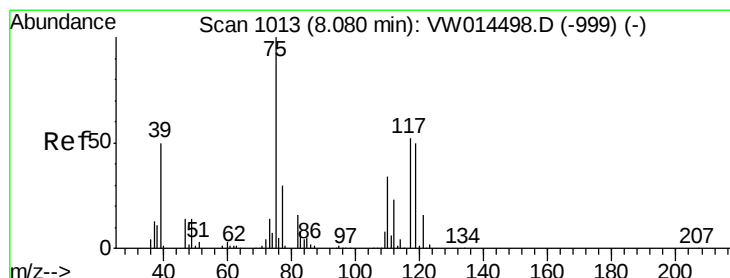
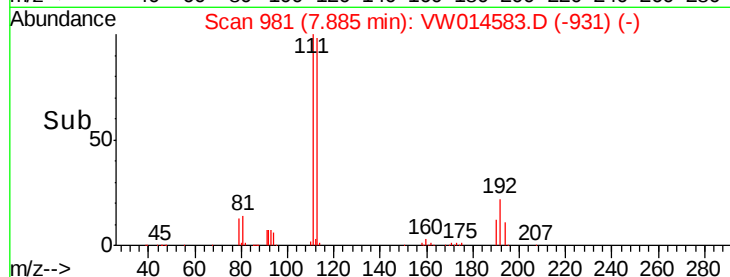
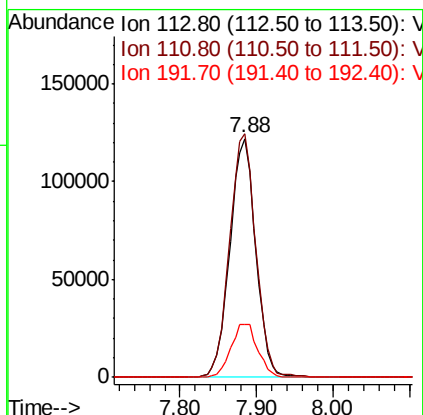
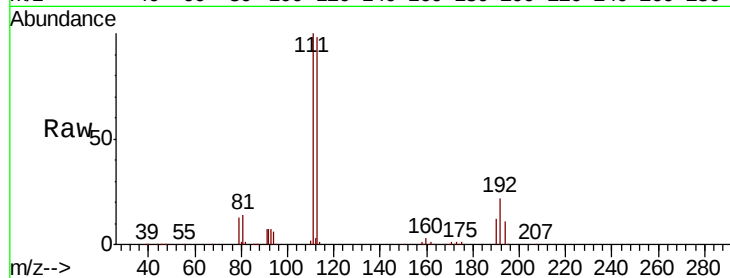




#35
 Dibromofluoromethane
 Concen: 48.335 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW014583.D
 Acq: 09 Jan 2020 15:36

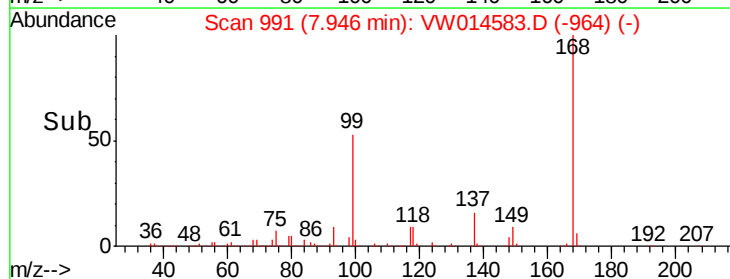
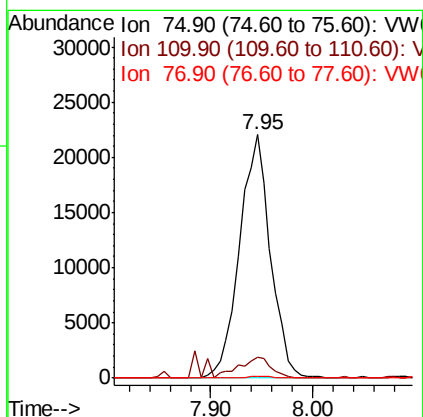
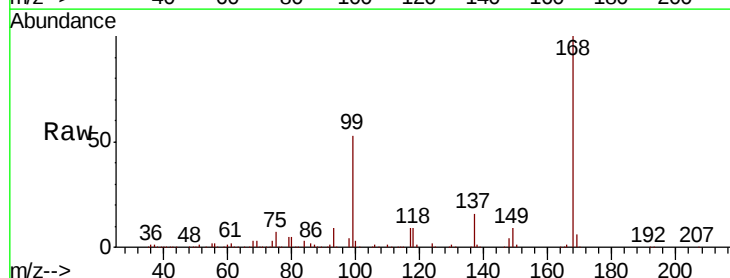
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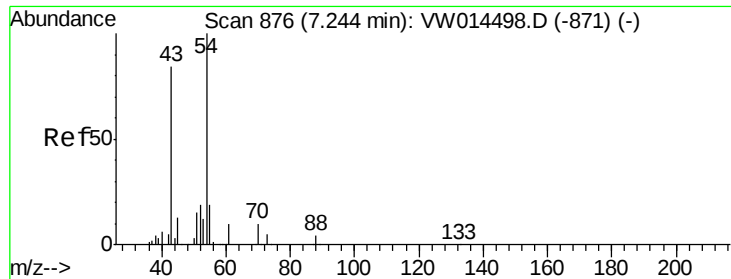
Tot Ion:113 Resp: 285401
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.4 122.2
 192 22.9 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 4.649 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014583.D
 Acq: 09 Jan 2020 15:36

Tgt Ion: 75 Resp: 46309
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.8 53.5#
 77 0.5 24.7 37.1#

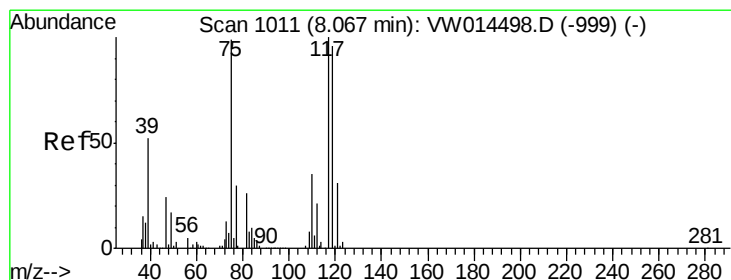
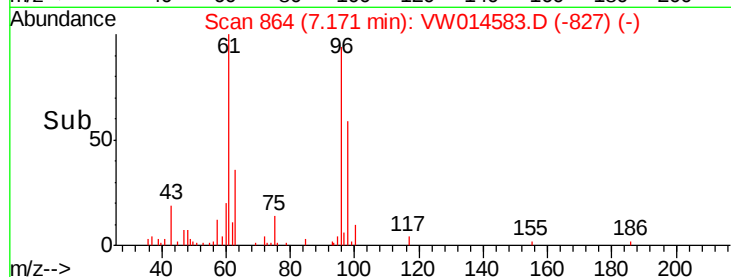
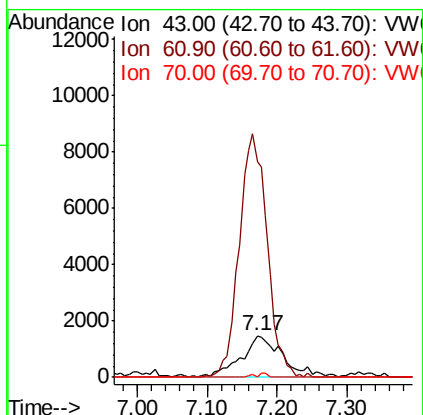
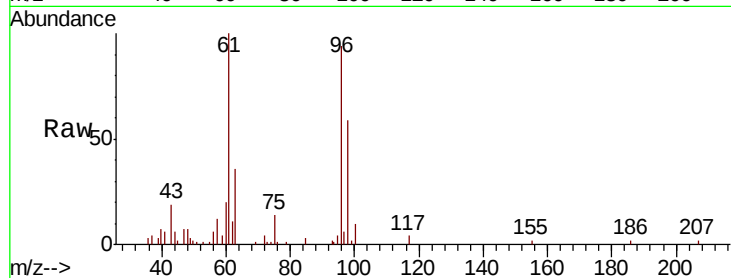




#37
Ethyl Acetate
Concen: 1.359 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.07 min
Lab File: VW014583.D
Acq: 09 Jan 2020 15:36

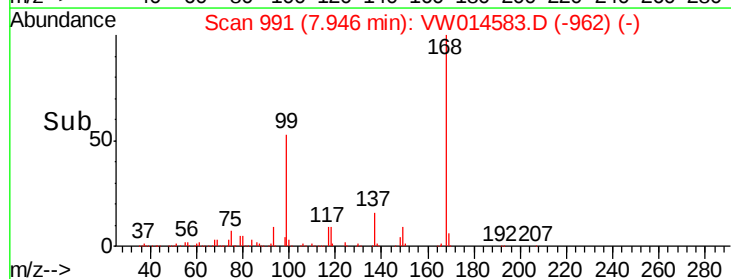
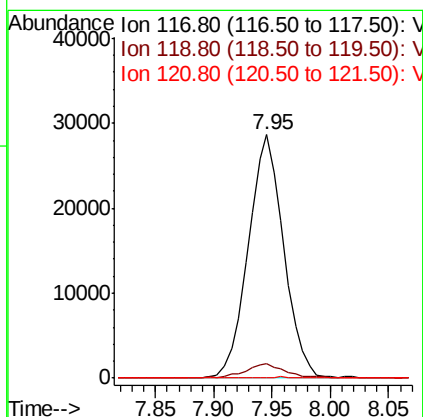
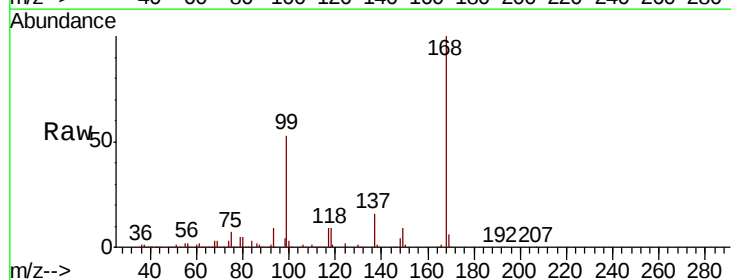
Instrument :
MSVOA_W
ClientSampleId :

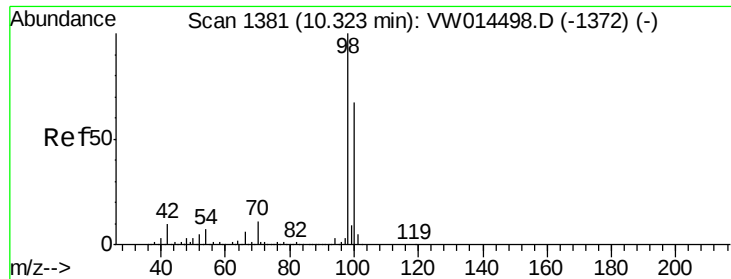
Tot Ion: 43 Resp: 6140
Ion Ratio Lower Upper
43 100
61 0.0 11.7 17.5#
70 1.8 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 7.002 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW014583.D
Acq: 09 Jan 2020 15:36

Tgt Ion: 117 Resp: 60501
Ion Ratio Lower Upper
117 100
119 6.0 77.0 115.6#
121 0.0 24.6 36.8#

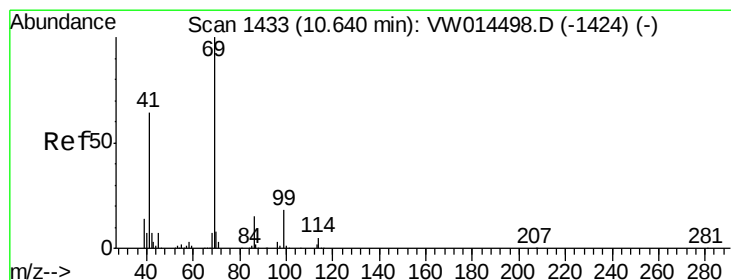
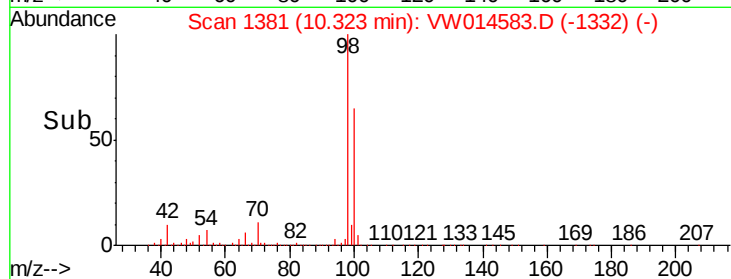
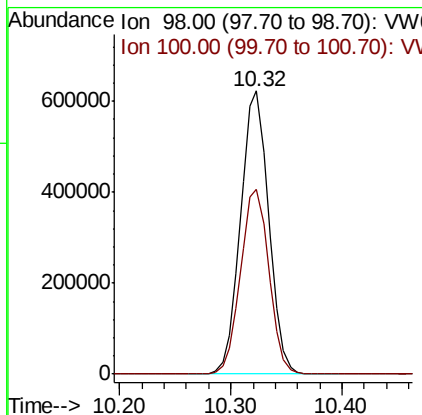
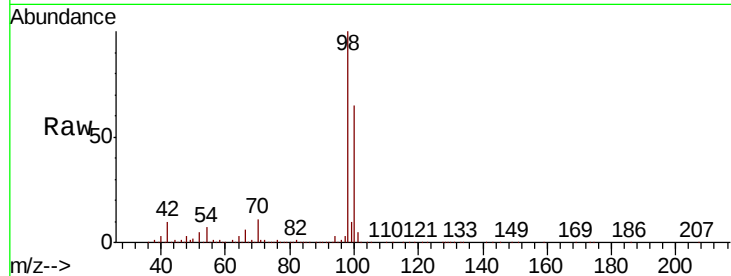




#50
Toluene-d8
Concen: 44.338 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014583.D
Acq: 09 Jan 2020 15:36

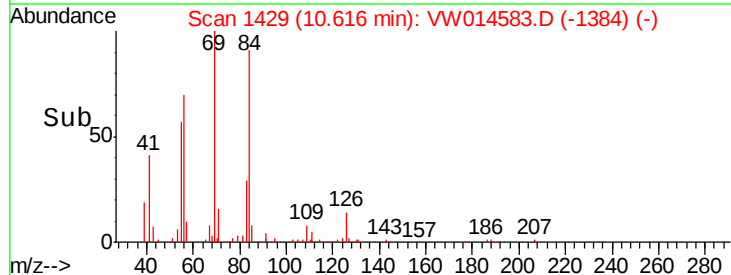
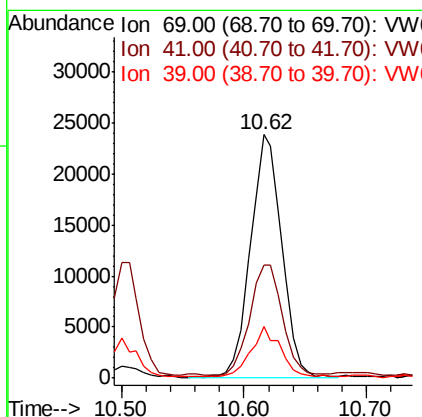
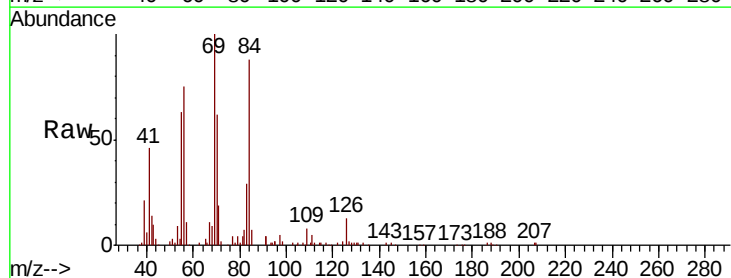
Instrument :
MSVOA_W
ClientSampleId :

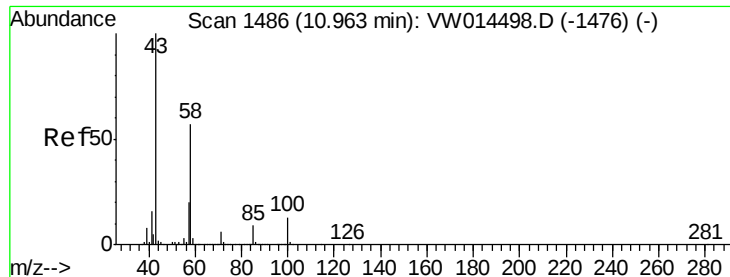
Tot Ion: 98 Resp: 1092563
Ion Ratio Lower Upper
98 100
100 66.1 53.8 80.6



#56
Ethyl methacrylate
Concen: 6.509 ug/l
RT: 10.62 min Scan# 1429
Delta R.T. -0.02 min
Lab File: VW014583.D
Acq: 09 Jan 2020 15:36

Tgt Ion: 69 Resp: 42178
Ion Ratio Lower Upper
69 100
41 47.8 51.3 76.9#
39 19.5 21.0 31.6#

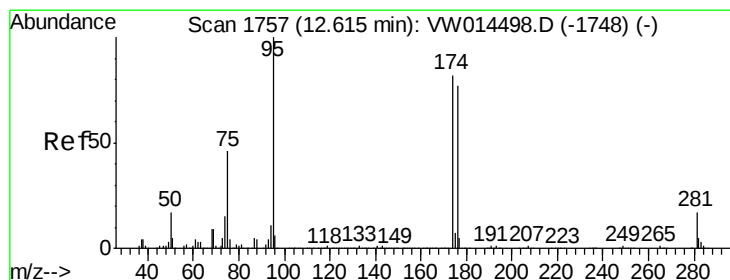
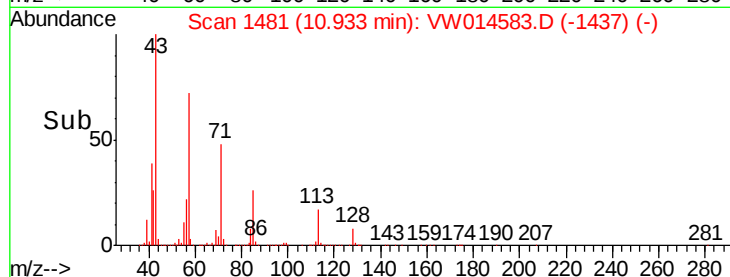
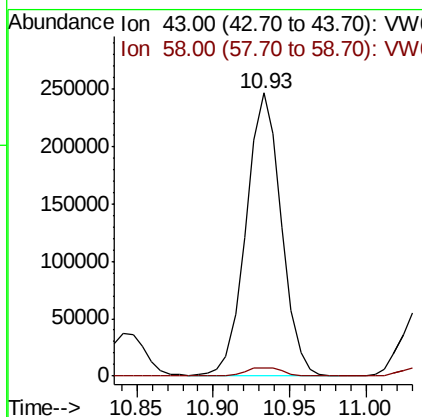
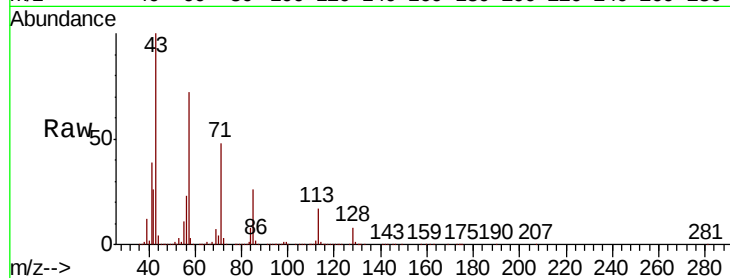




#59
2-Hexanone
Concen: 134.061 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.03 min
Lab File: VW014583.D
Acq: 09 Jan 2020 15:36

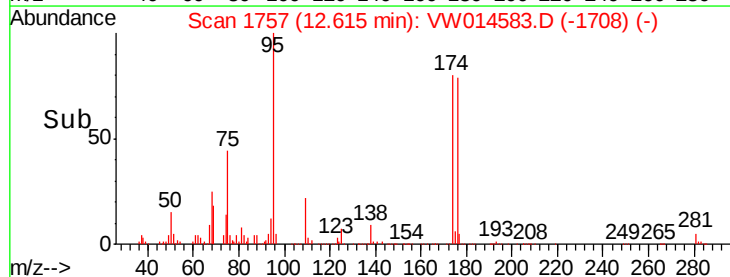
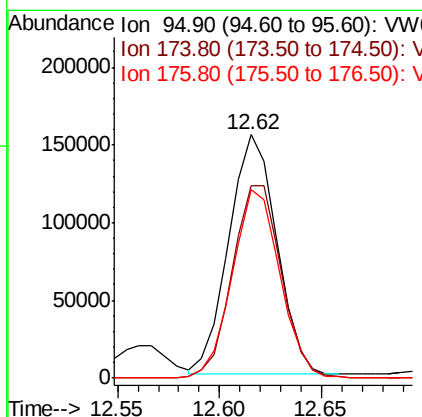
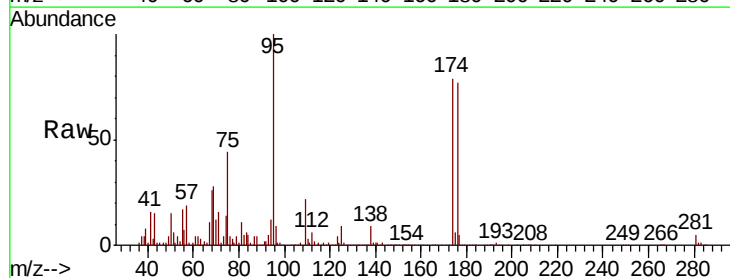
Instrument :
MSVOA_W
ClientSampleId :

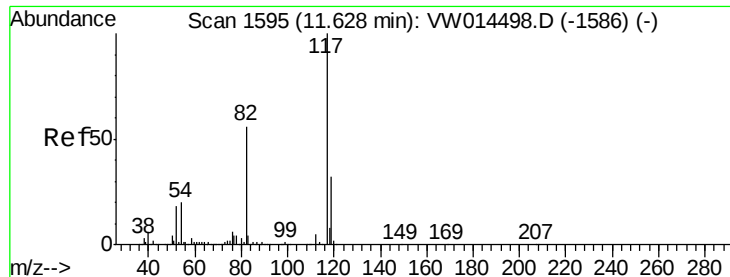
Tot Ion: 43 Resp: 393512
Ion Ratio Lower Upper
43 100
58 3.3 28.7 86.3#



#62
4-Bromofluorobenzene
Concen: 30.017 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014583.D
Acq: 09 Jan 2020 15:36

Tgt Ion: 95 Resp: 250889
Ion Ratio Lower Upper
95 100
174 82.9 0.0 168.6
176 78.4 0.0 162.0

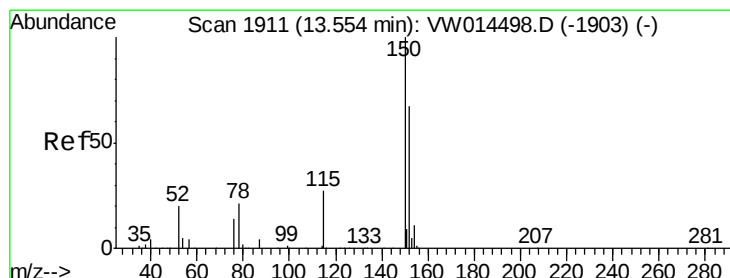
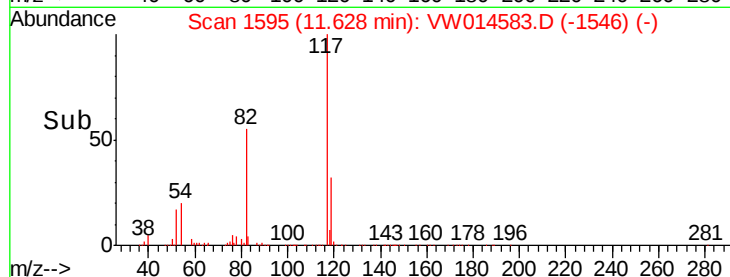
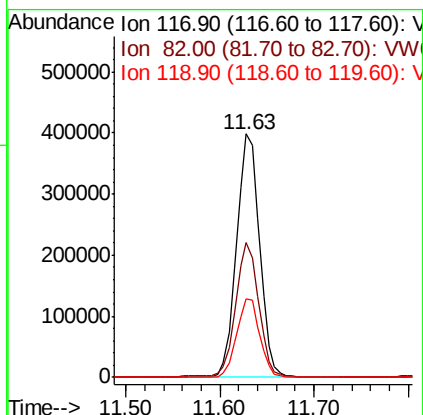
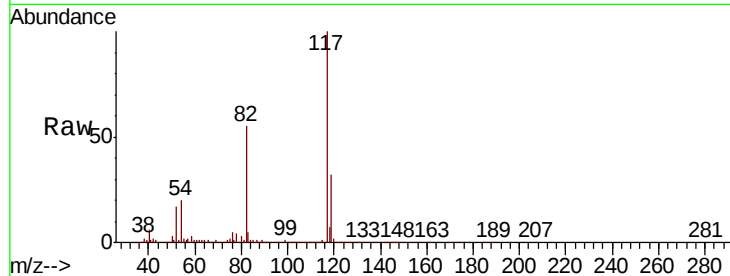




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014583.D
Acq: 09 Jan 2020 15:36

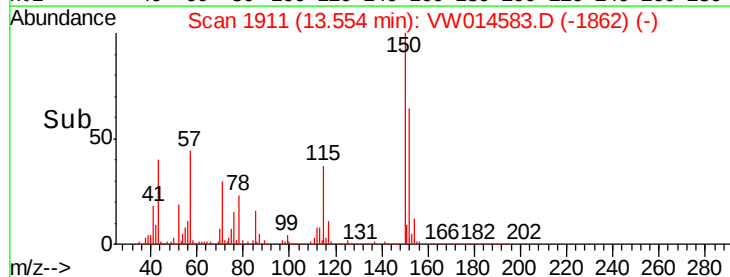
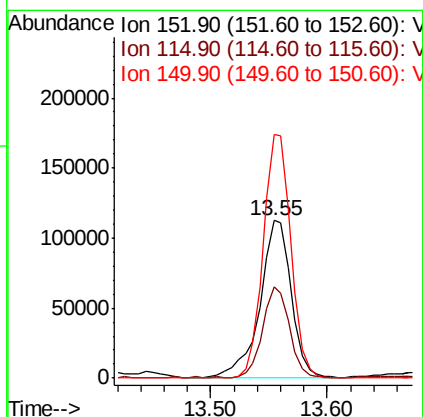
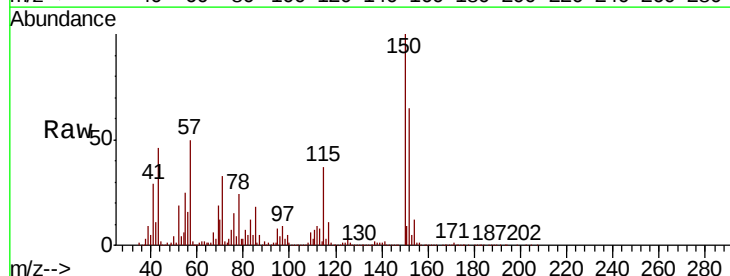
Instrument :
MSVOA_W
ClientSampleId :

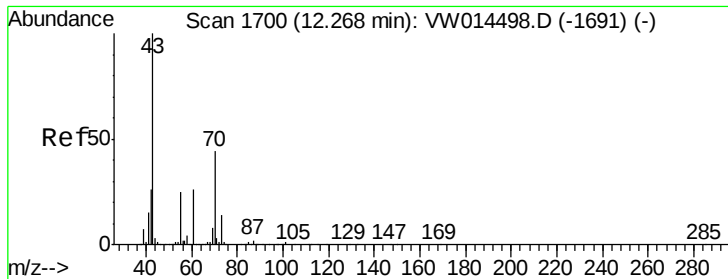
Tot Ion:117 Resp: 675011
Ion Ratio Lower Upper
117 100
82 55.3 44.6 67.0
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014583.D
Acq: 09 Jan 2020 15:36

Tgt Ion:152 Resp: 209392
Ion Ratio Lower Upper
152 100
115 49.1 27.7 83.1
150 136.8 0.0 343.4

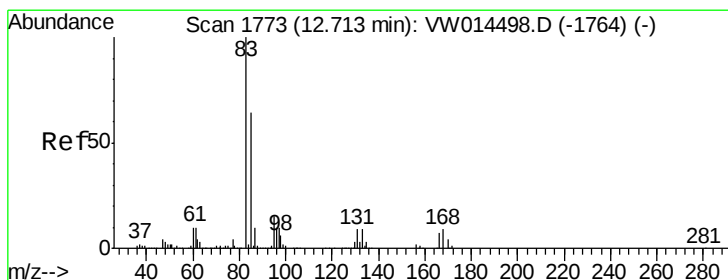
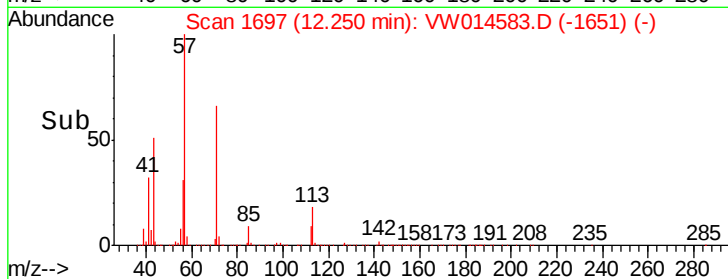
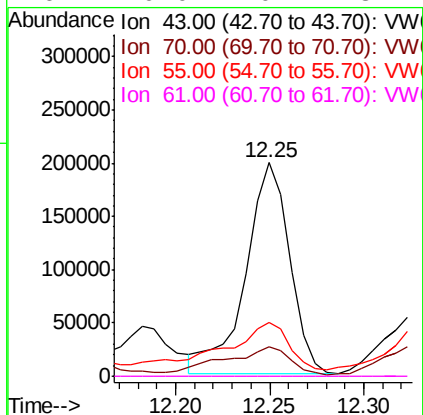
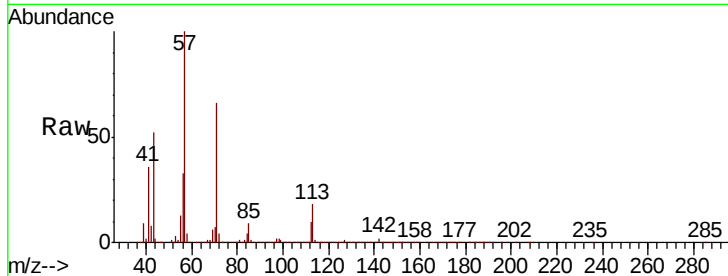




#74
N-amvl acetate
Concen: 92.507 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW014583.D
Acq: 09 Jan 2020 15:36

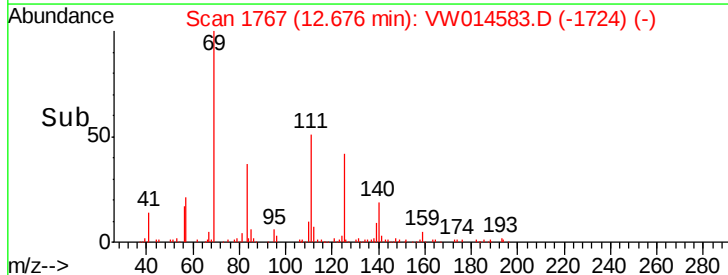
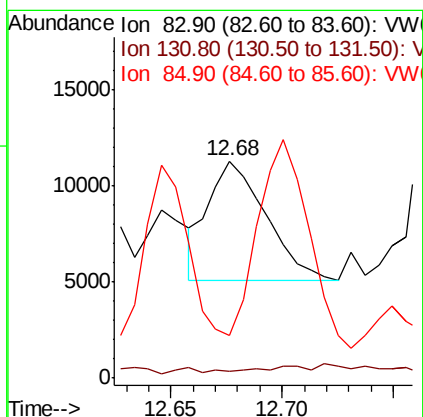
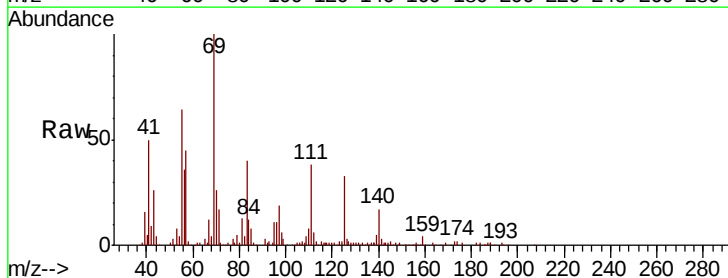
Instrument :
MSVOA_W
ClientSampleId :

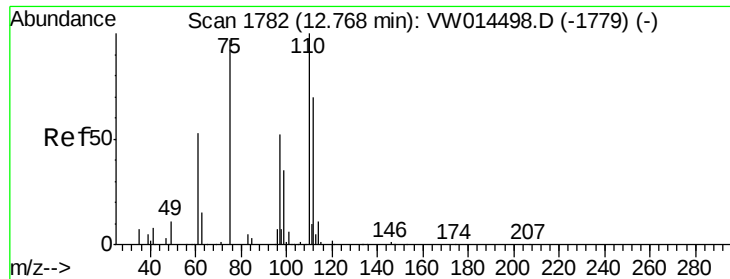
Tot Ion:	43	Resp:	318683
Ion	Ratio	Lower	Upper
43	100		
70	19.3	36.5	54.7#
55	33.1	20.9	31.3#
61	0.0	20.7	31.1#



#75
1,1,2,2-Tetrachloroethane
Concen: 4.014 ug/l
RT: 12.68 min Scan# 1767
Delta R.T. -0.04 min
Lab File: VW014583.D
Acq: 09 Jan 2020 15:36

Tgt Ion:	83	Resp:	11131
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.1	15.4#
85	0.0	31.9	95.7#

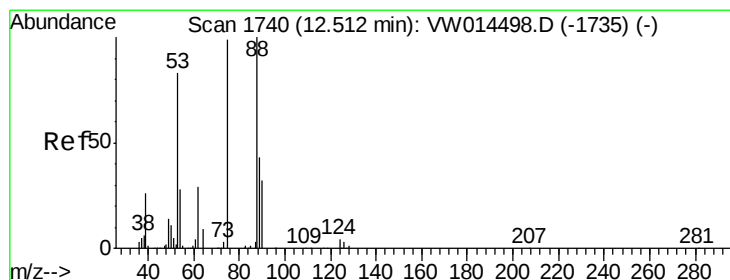
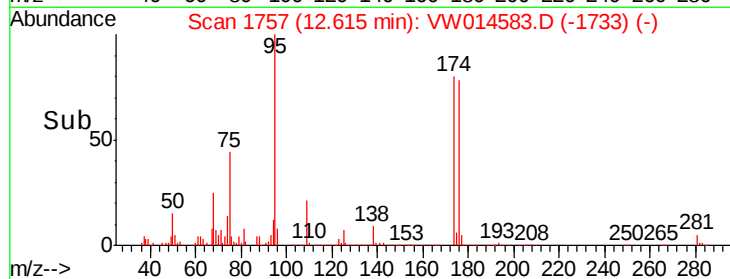
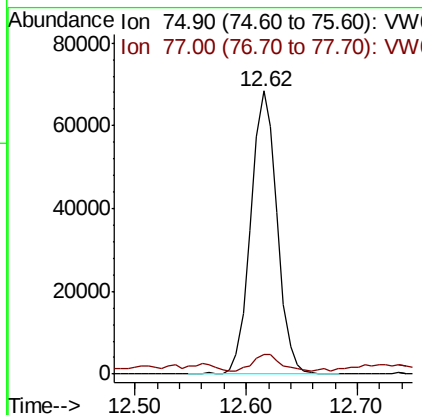
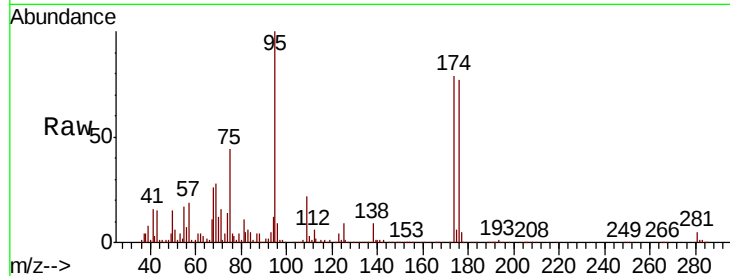




#76
 1,2,3-Trichloropropane
 Concen: 56.950 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW014583.D
 Acq: 09 Jan 2020 15:36

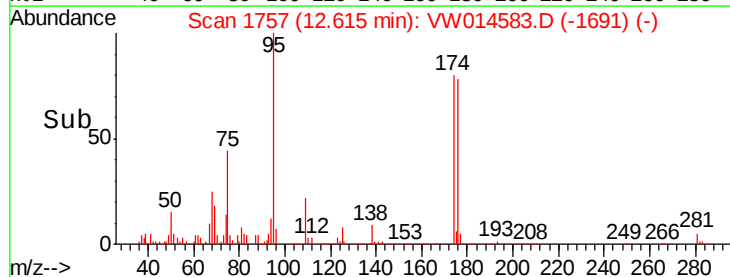
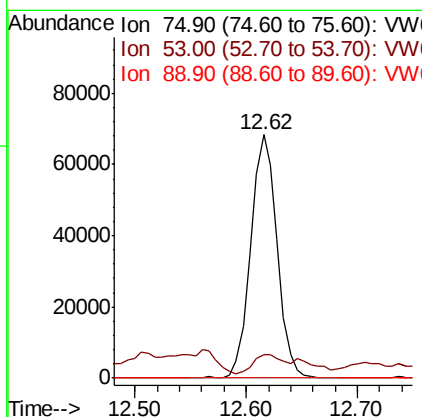
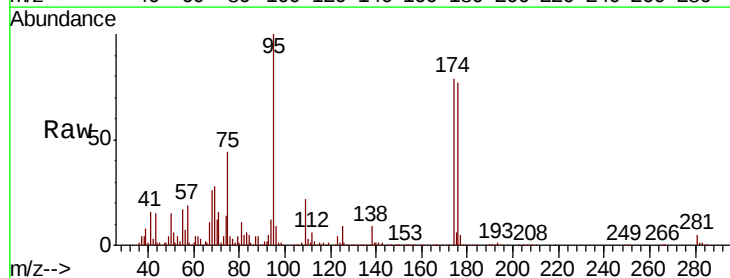
Instrument :
 MSVOA_W
 ClientSampleId :

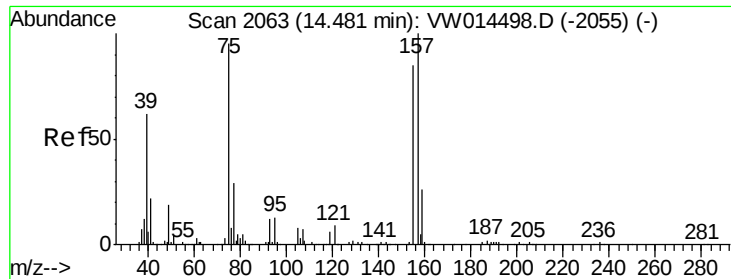
Tot Ion: 75 Resp: 112747
 Ion Ratio Lower Upper
 75 100
 77 6.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.886 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW014583.D
 Acq: 09 Jan 2020 15:36

Tgt Ion: 75 Resp: 112747
 Ion Ratio Lower Upper
 75 100
 53 8.9 70.9 106.3#
 89 0.2 35.8 53.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.908 ug/l

RT: 14.41 min Scan# 2052

Delta R.T. -0.07 min

Lab File: VW014583.D

Acq: 09 Jan 2020 15:36

Instrument :

MSVOA_W

ClientSampleId :

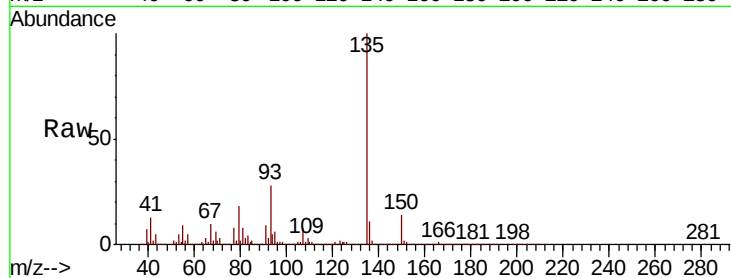
Tot Ion: 75 Resp: 1277

Ion Ratio Lower Upper

75 100

155 93.1 45.8 137.4

157 126.5 58.1 174.2



Abundance Ion 74.90 (74.60 to 75.60): VW014583.D (-2014) (-)

