

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010820\
 Data File : VW014564.D
 Acq On : 08 Jan 2020 17:15
 Operator : SY/VA
 Sample : L1056-05
 Misc : 8.02G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 09 00:55:32 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	609825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	956169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	640933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	201453	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	260401	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
35) Dibromofluoromethane	7.88	113	267968	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
50) Toluene-d8	10.32	98	978896	42.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.84%	
62) 4-Bromofluorobenzene	12.62	95	233559	30.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.38%	

Target Compounds

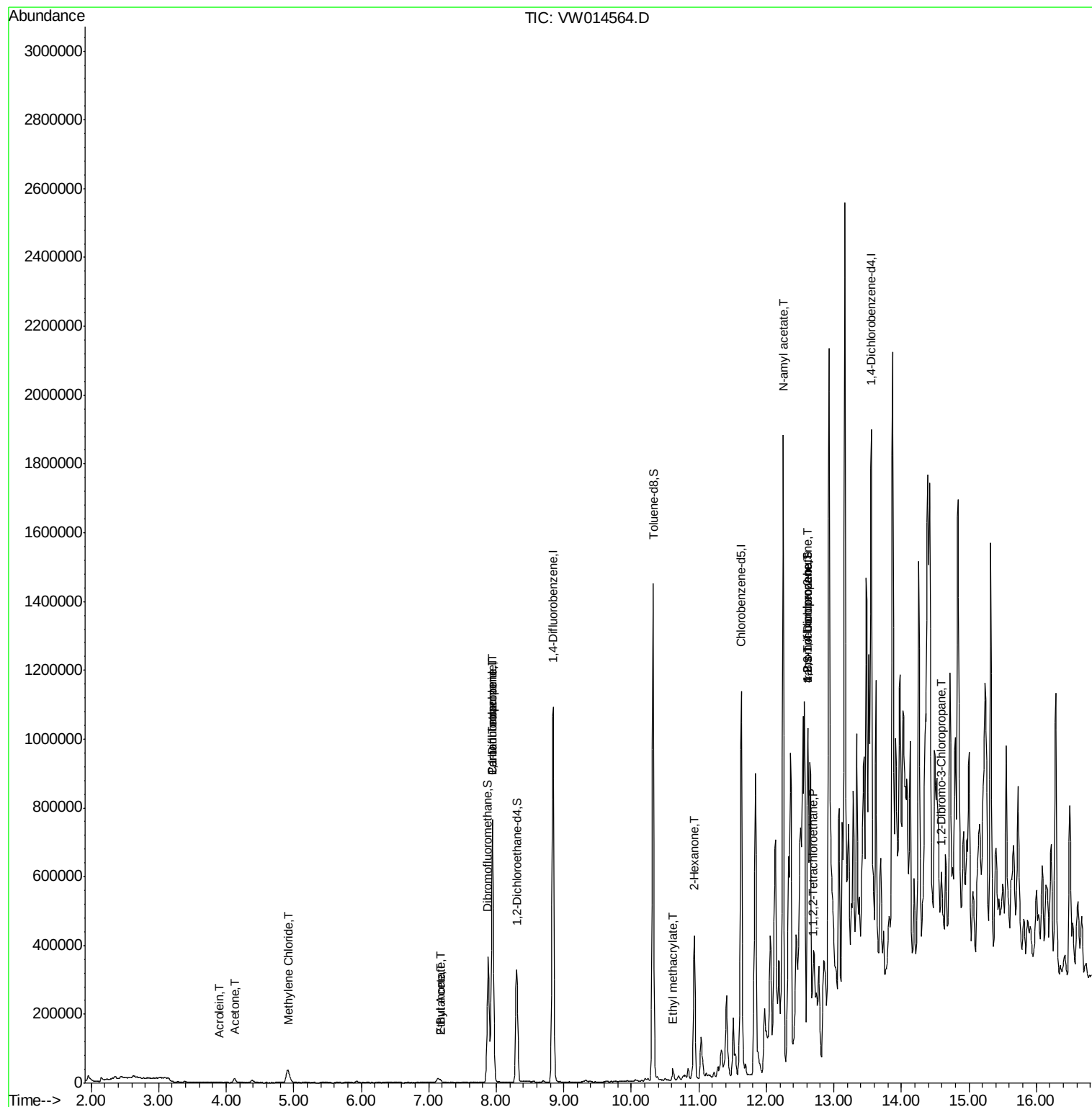
					Qvalue
11) Tert butyl alcohol	5.15	59	630	Below Cal	# 86
13) Acrolein	3.90	56	872	1.874	ug/l # 66
16) Acetone	4.12	43	20176	13.401	ug/l 98
20) Methylene Chloride	4.92	84	34379	1.240	ug/l 95
25) 2-Butanone	7.18	43	6176	3.197	ug/l # 87
36) 1,1-Dichloropropene	7.95	75	42565	4.618	ug/l # 50
37) Ethyl Acetate	7.18	43	6176	1.477	ug/l # 63
38) Carbon Tetrachloride	7.95	117	54119	6.767	ug/l # 16
56) Ethyl methacrylate	10.62	69	9341	1.558	ug/l 86
59) 2-Hexanone	10.93	43	150357	55.348	ug/l # 27
74) N-amyl acetate	12.25	43	375758	113.373	ug/l # 65
75) 1,1,2,2-Tetrachloroethane	12.68	83	14614	5.477	ug/l # 1
76) 1,2,3-Trichloropropane	12.62	75	106854	56.100	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.62	75	106854	124.993	ug/l # 14
92) 1,2-Dibromo-3-Chloropropan	14.58	75	583	1.380	ug/l 62

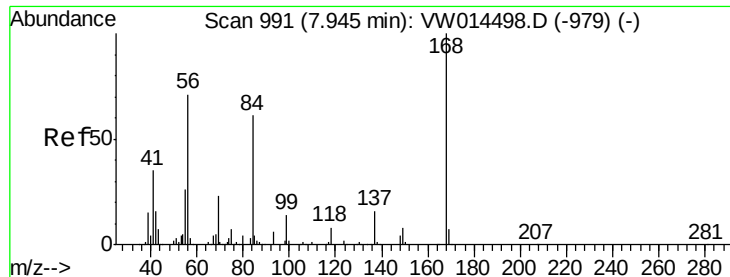
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 09 00:55:32 2020
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: VW014564.D

Acq: 08 Jan 2020 17:15

Instrument :

MSVOA_W

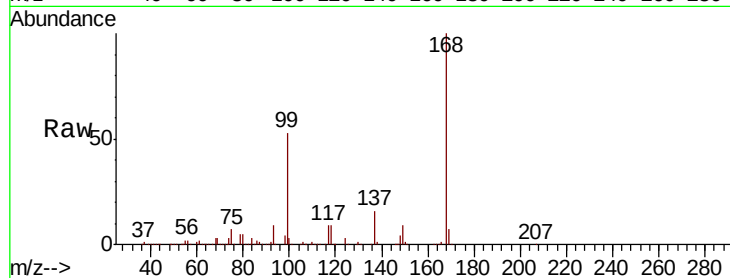
ClientSampled :

Tot Ion:168 Resp: 609825

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

250000

200000

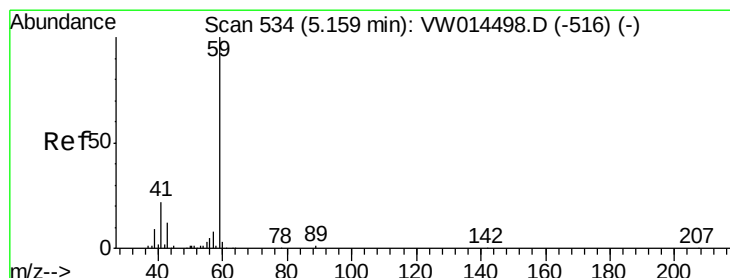
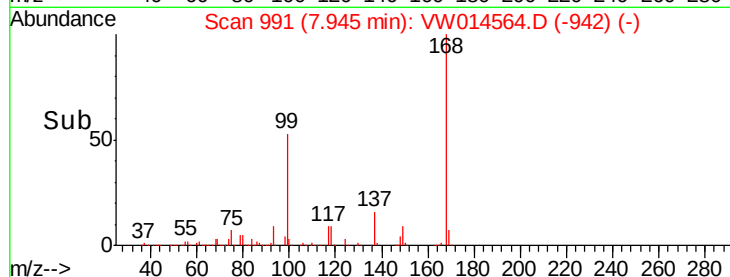
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 532

Delta R.T. -0.01 min

Lab File: VW014564.D

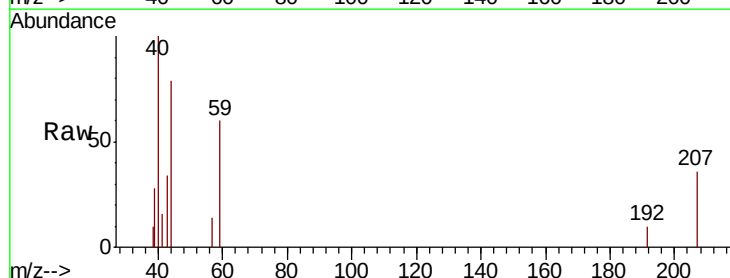
Acq: 08 Jan 2020 17:15

Tgt Ion: 59 Resp: 630

Ion Ratio Lower Upper

59 100

57 4.8 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

400

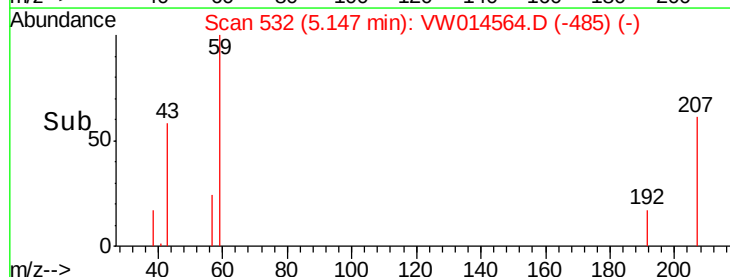
300

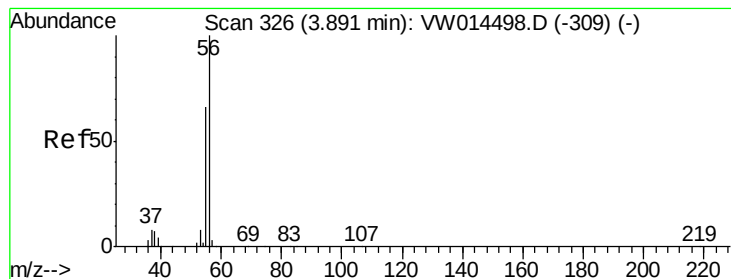
200

100

0

Time--> 5.10 5.15





#13

Acrolein

Concen: 1.874 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW014564.D

Acq: 08 Jan 2020 17:15

Instrument :

MSVOA_W

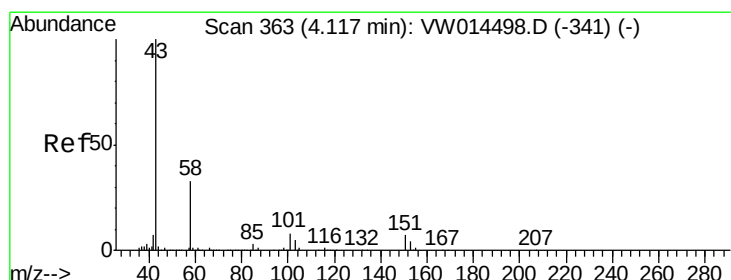
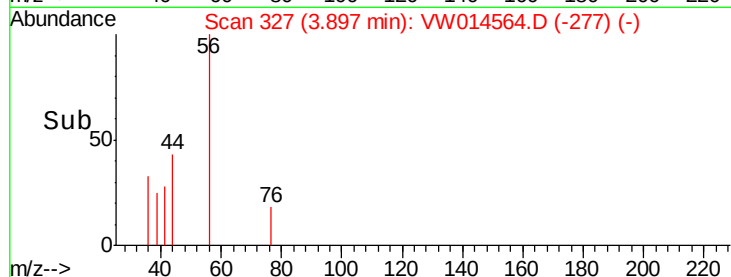
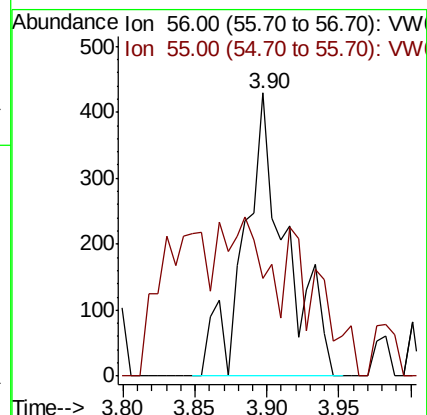
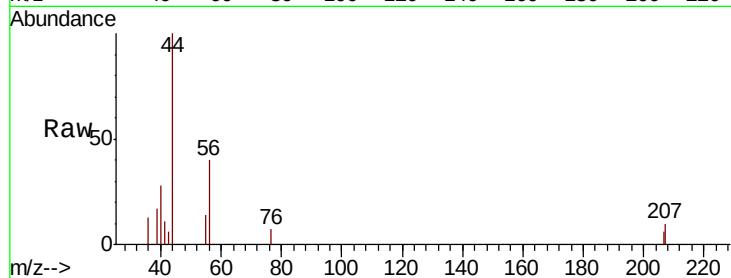
ClientSampled :

Tot Ion: 56 Resp: 872

Ion Ratio Lower Upper

56 100

55 43.0 56.7 85.1#



#16

Acetone

Concen: 13.401 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014564.D

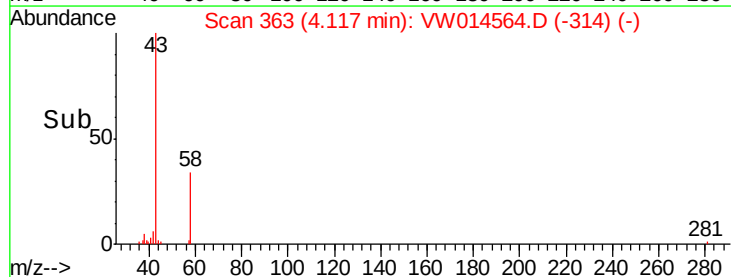
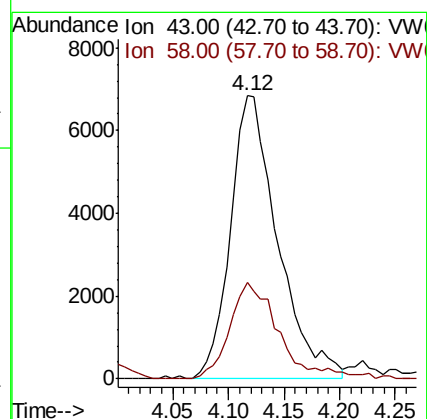
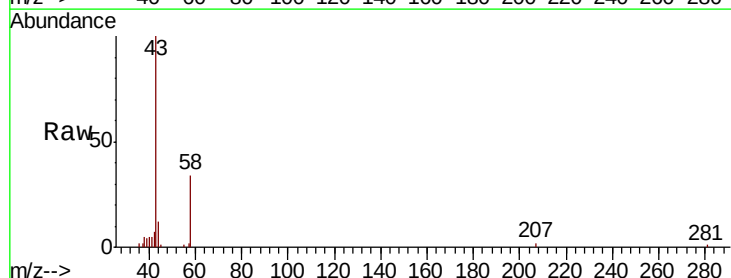
Acq: 08 Jan 2020 17:15

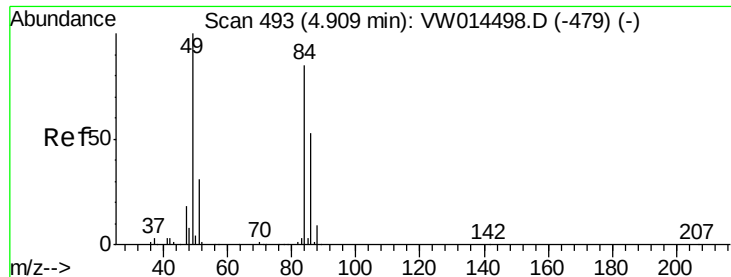
Tgt Ion: 43 Resp: 20176

Ion Ratio Lower Upper

43 100

58 34.1 26.6 39.8

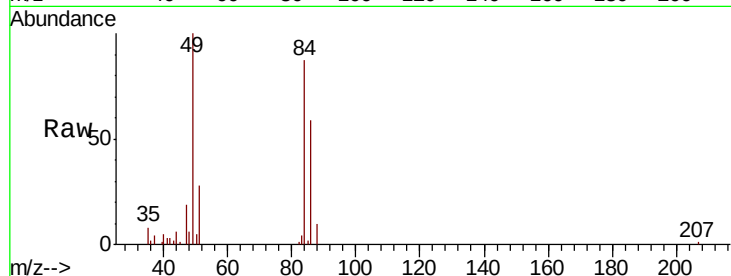




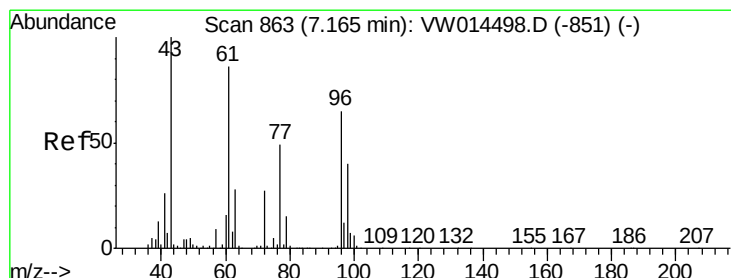
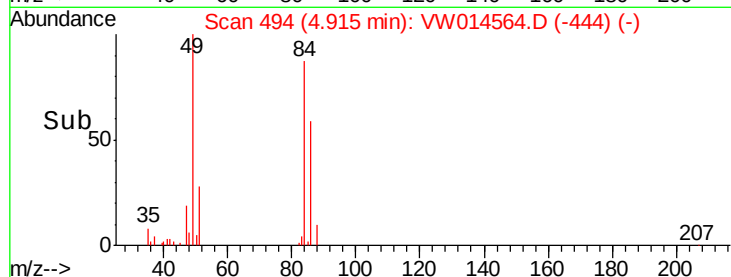
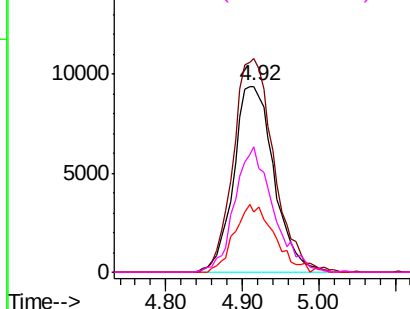
#20
Methylene Chloride
Concen: 1.240 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014564.D
Acq: 08 Jan 2020 17:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	84	Resp:	34379
Ion	Ratio	Lower	Upper
84	100		
49	114.8	94.4	141.6
51	32.3	29.5	44.3
86	67.4	50.2	75.2

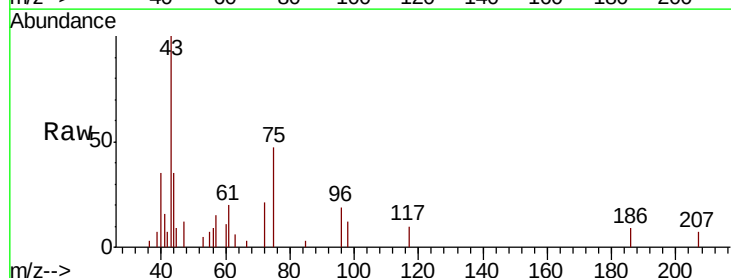


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

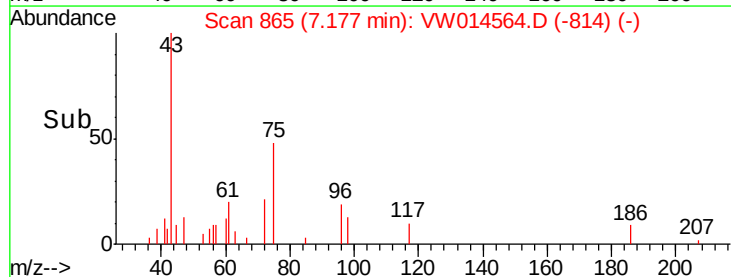
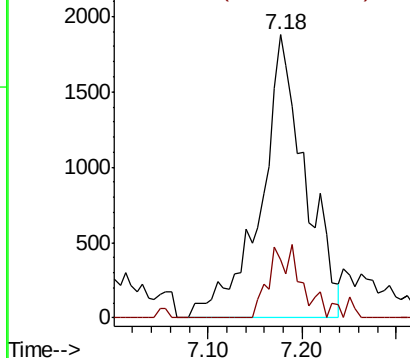


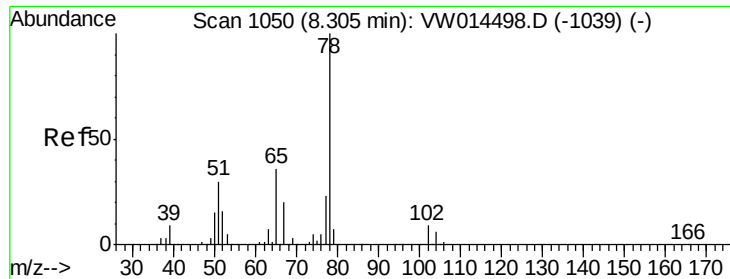
#25
2-Butanone
Concen: 3.197 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW014564.D
Acq: 08 Jan 2020 17:15

Tgt Ion:	43	Resp:	6176
Ion	Ratio	Lower	Upper
43	100		
72	20.6	21.9	32.9#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

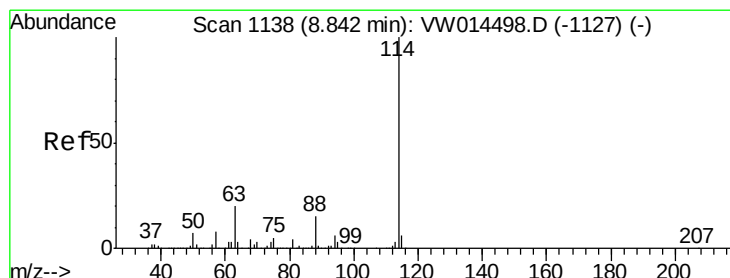
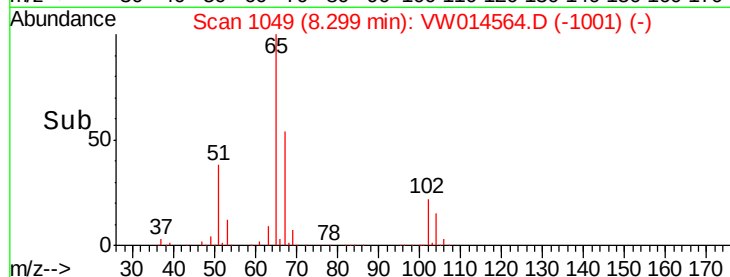
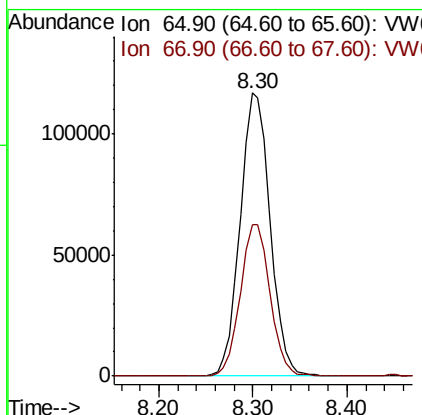
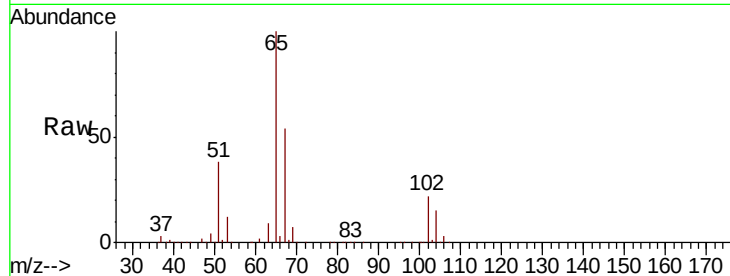




#33
 1,2-Dichloroethane-d4
 Concen: 48.839 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014564.D
 Acq: 08 Jan 2020 17:15

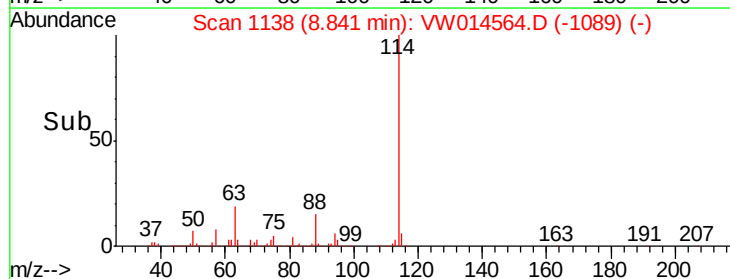
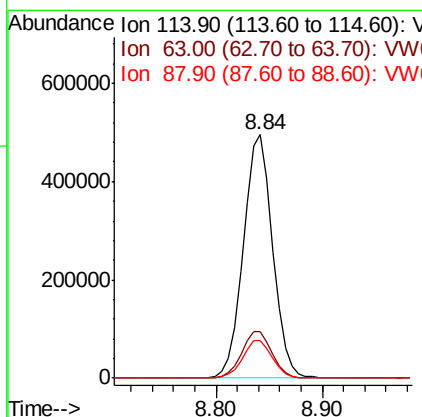
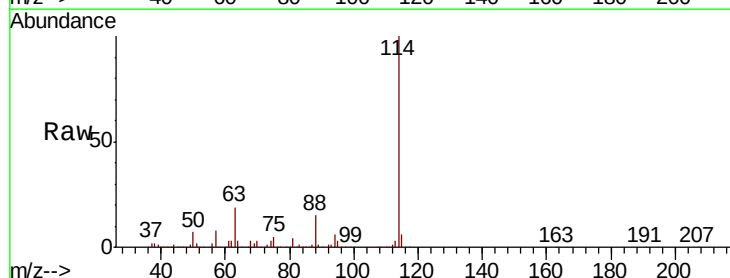
Instrument :
 MSVOA_W
 ClientSampled :

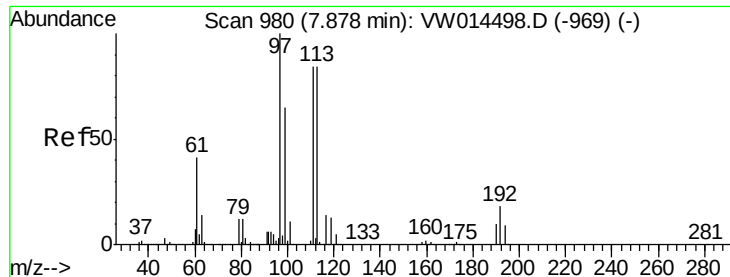
Tot Ion: 65 Resp: 260401
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014564.D
 Acq: 08 Jan 2020 17:15

Tgt Ion: 114 Resp: 956169
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.4
 88 15.5 0.0 30.6

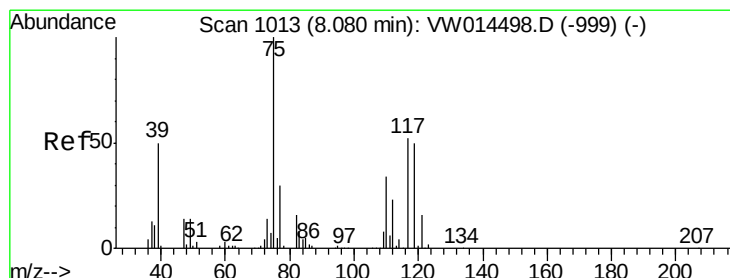
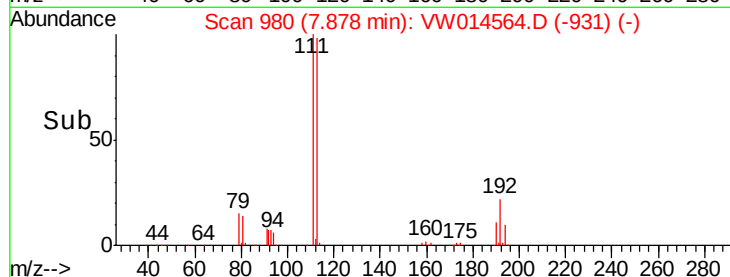
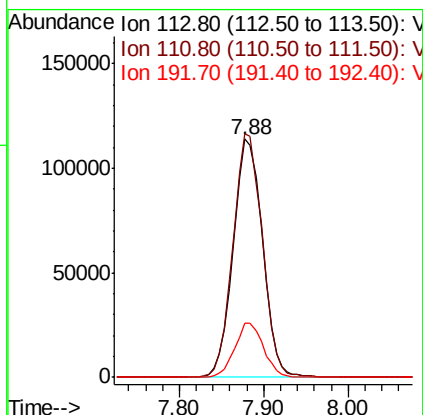
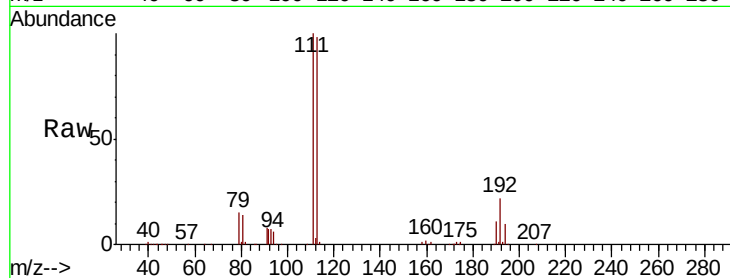




#35
 Dibromofluoromethane
 Concen: 49.036 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014564.D
 Acq: 08 Jan 2020 17:15

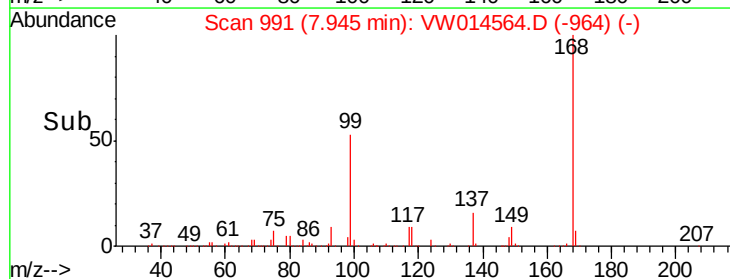
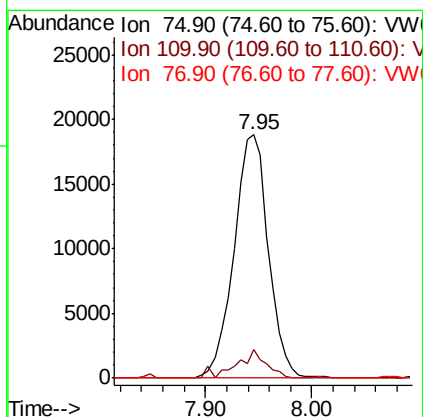
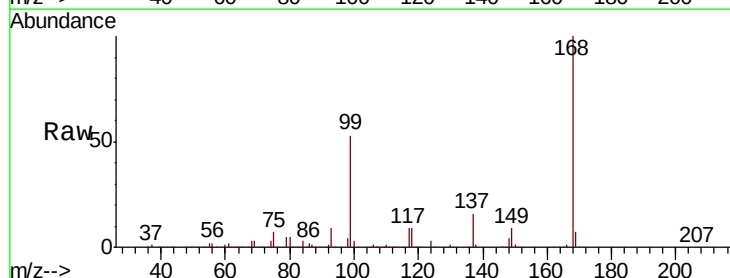
Instrument :
 MSVOA_W
 ClientSampleId :

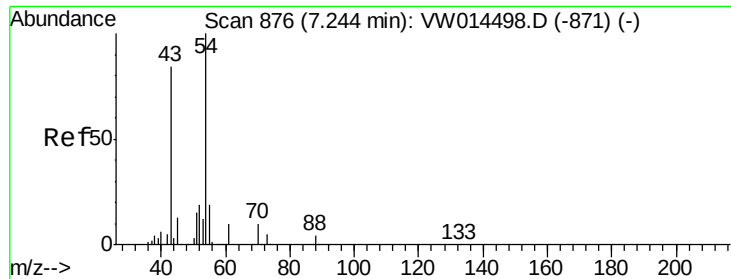
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.2
192	22.3	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.618 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014564.D
 Acq: 08 Jan 2020 17:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.8	53.5#
77	0.1	24.7	37.1#

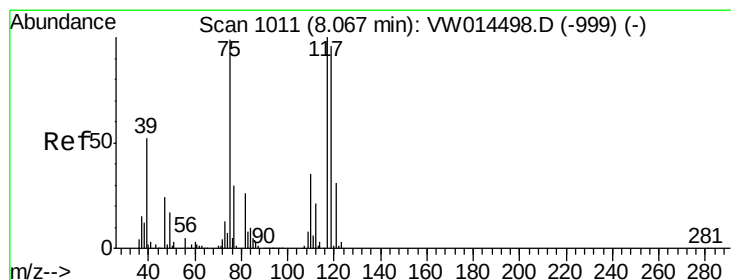
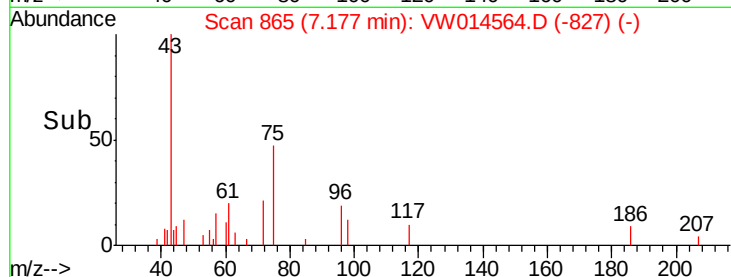
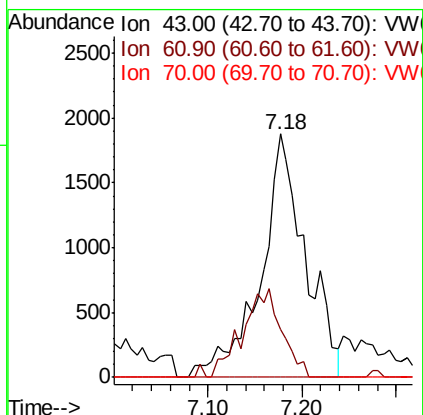
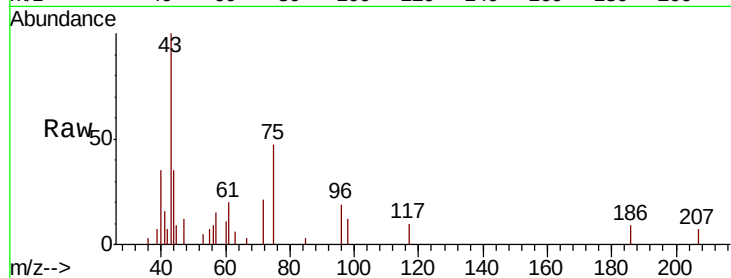




#37
Ethyl Acetate
Concen: 1.477 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW014564.D
Acq: 08 Jan 2020 17:15

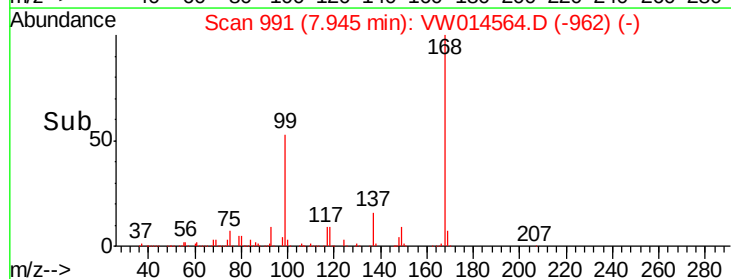
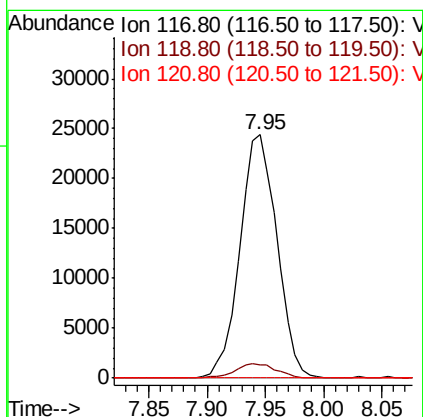
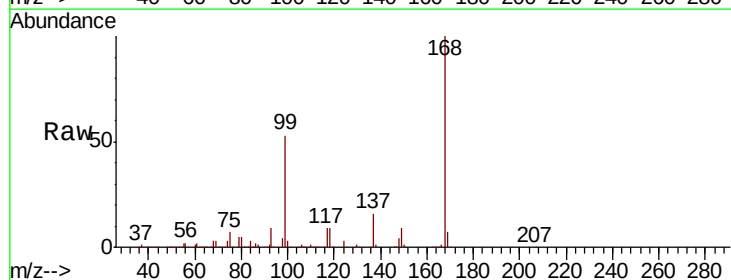
Instrument :
MSVOA_W
ClientSampled :

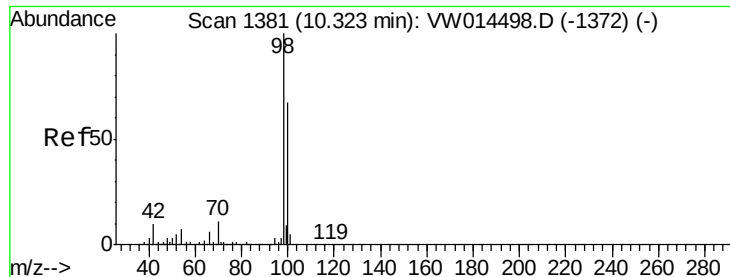
Tot Ion: 43 Resp: 6176
Ion Ratio Lower Upper
43 100
61 32.4 11.7 17.5#
70 0.0 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 6.767 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW014564.D
Acq: 08 Jan 2020 17:15

Tgt Ion: 117 Resp: 54119
Ion Ratio Lower Upper
117 100
119 5.2 77.0 115.6#
121 0.0 24.6 36.8#

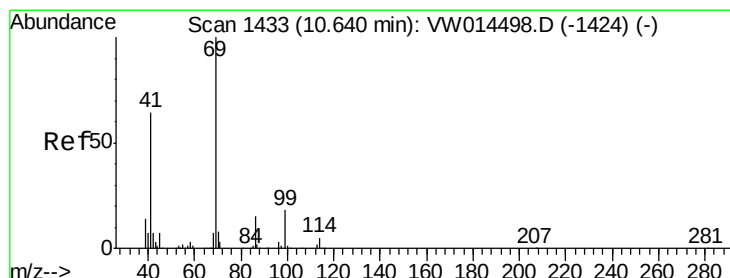
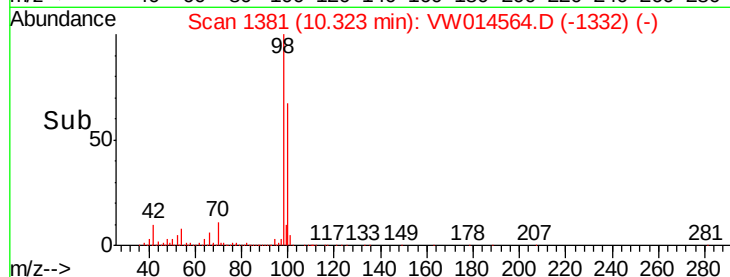
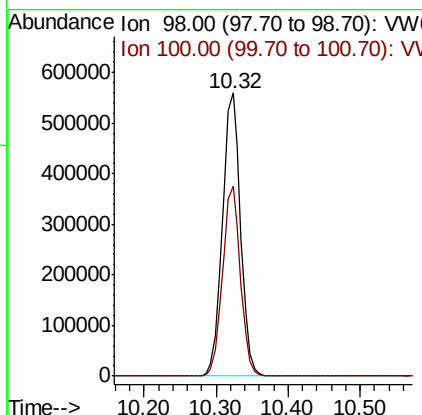
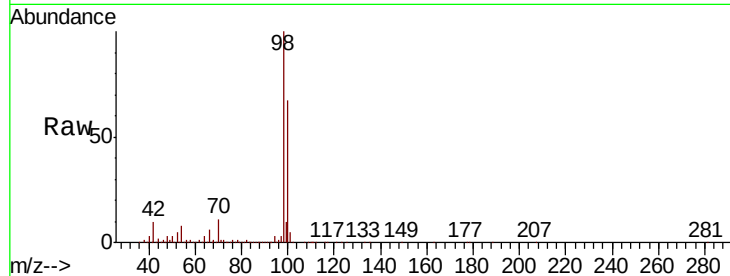




#50
Toluene-d8
Concen: 42.924 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014564.D
Acq: 08 Jan 2020 17:15

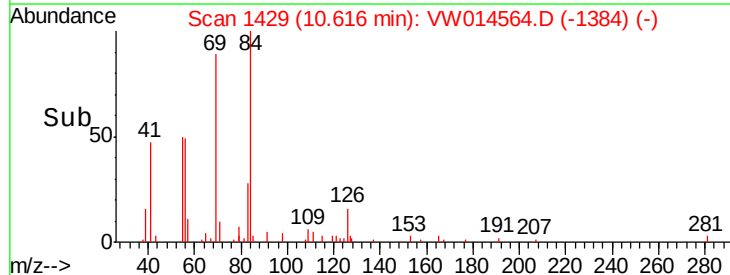
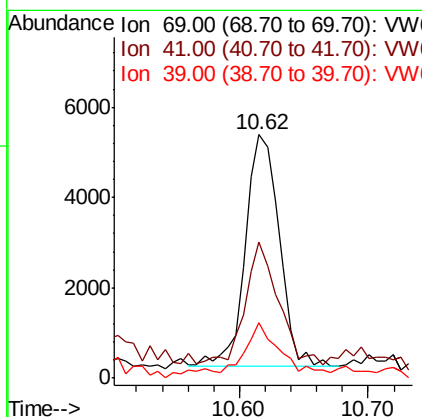
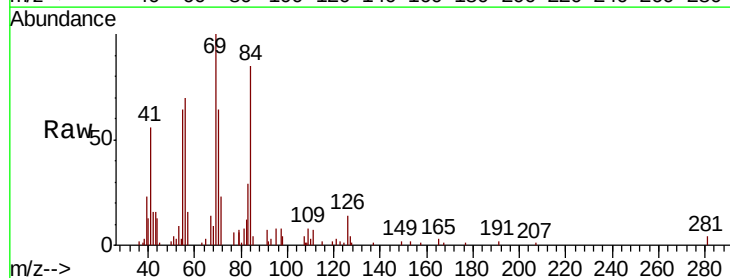
Instrument :
MSVOA_W
ClientSampled :

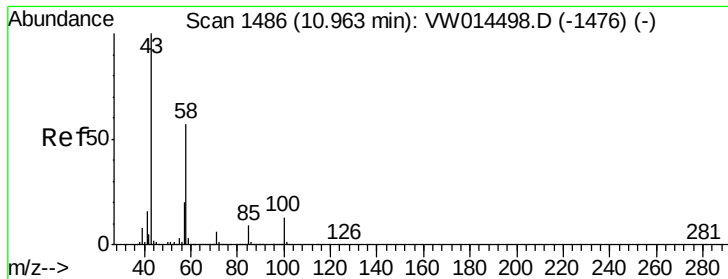
Tot Ion: 98 Resp: 978896
Ion Ratio Lower Upper
98 100
100 66.1 53.8 80.6



#56
Ethyl methacrylate
Concen: 1.558 ug/l
RT: 10.62 min Scan# 1429
Delta R.T. -0.02 min
Lab File: VW014564.D
Acq: 08 Jan 2020 17:15

Tgt Ion: 69 Resp: 9341
Ion Ratio Lower Upper
69 100
41 51.5 51.3 76.9
39 30.2 21.0 31.6

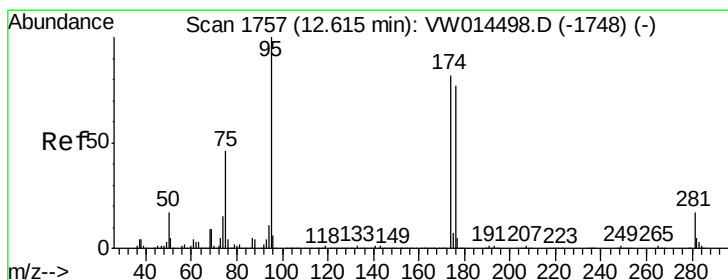
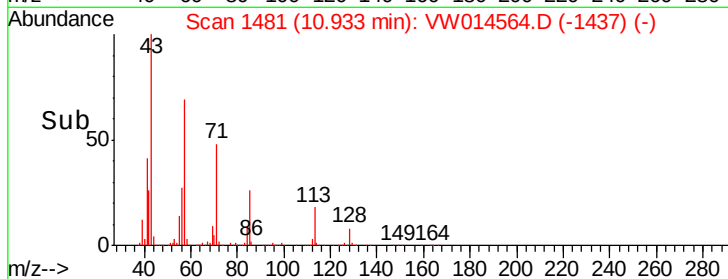
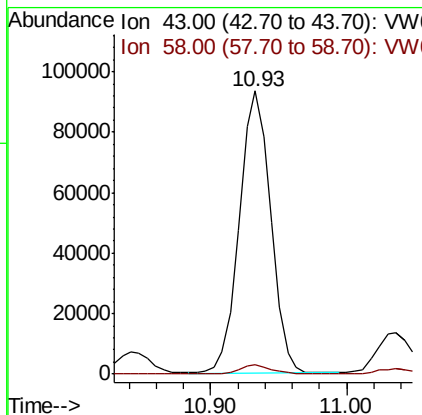
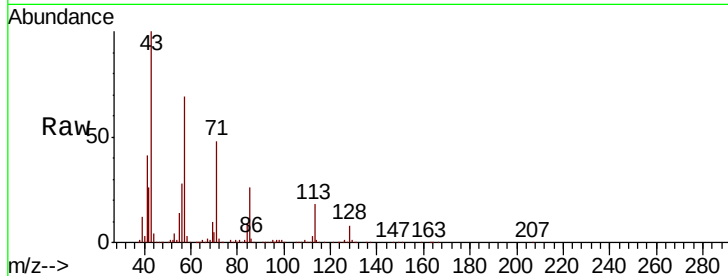




#59
2-Hexanone
Concen: 55.348 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.03 min
Lab File: VW014564.D
Acq: 08 Jan 2020 17:15

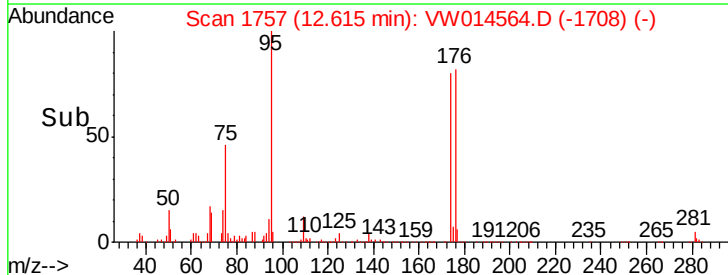
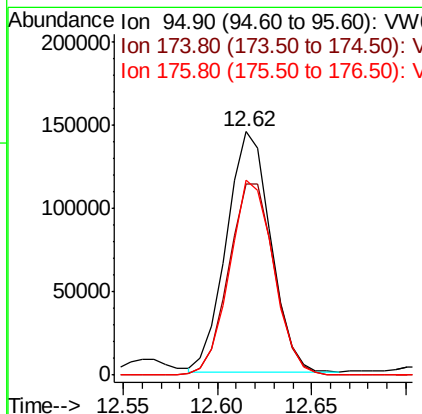
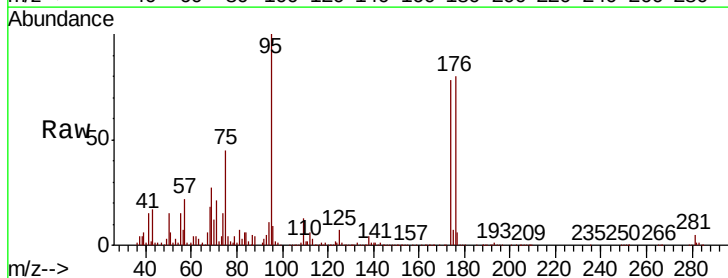
Instrument :
MSVOA_W
ClientSampled :

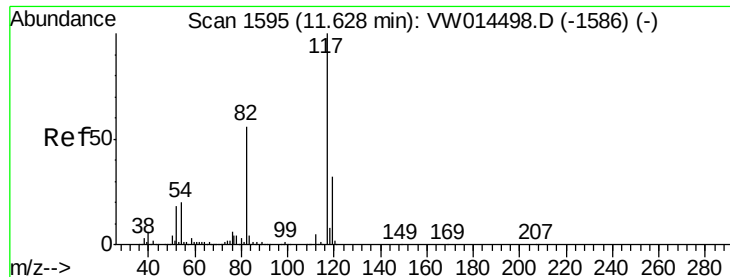
Tot Ion: 43 Resp: 150357
Ion Ratio Lower Upper
43 100
58 3.4 28.7 86.3#



#62
4-Bromofluorobenzene
Concen: 30.194 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW014564.D
Acq: 08 Jan 2020 17:15

Tgt Ion: 95 Resp: 233559
Ion Ratio Lower Upper
95 100
174 83.0 0.0 168.6
176 81.3 0.0 162.0

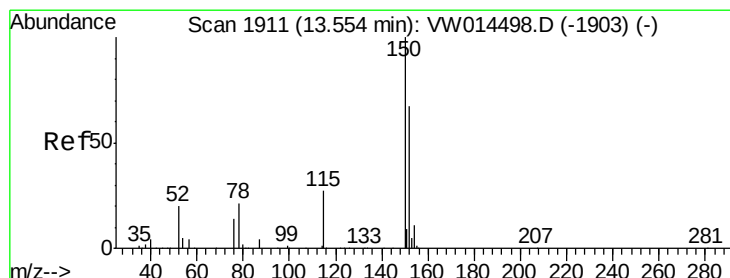
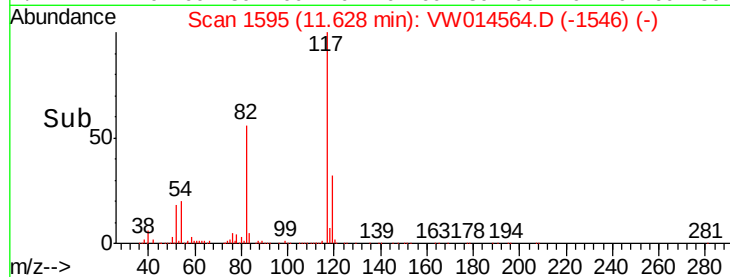
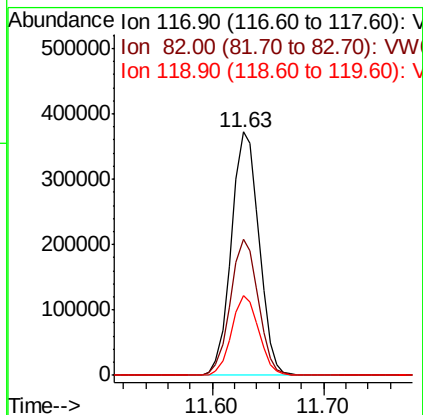
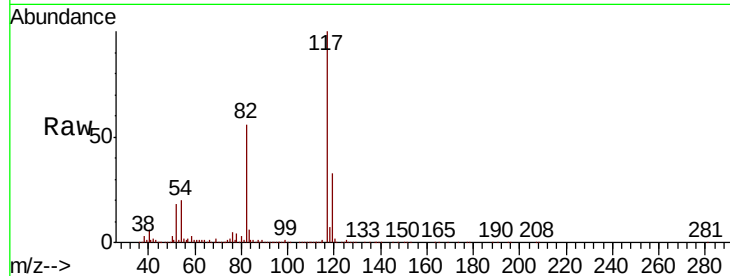




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014564.D
Acq: 08 Jan 2020 17:15

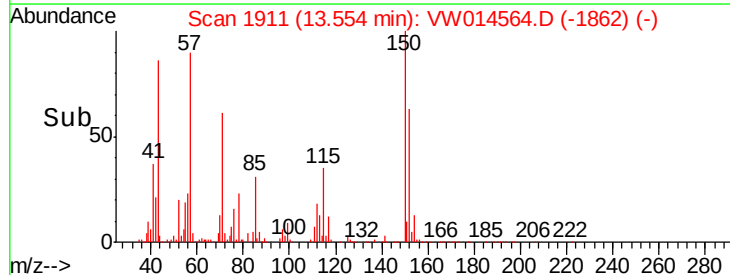
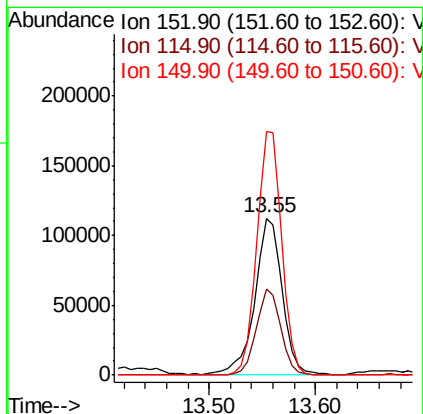
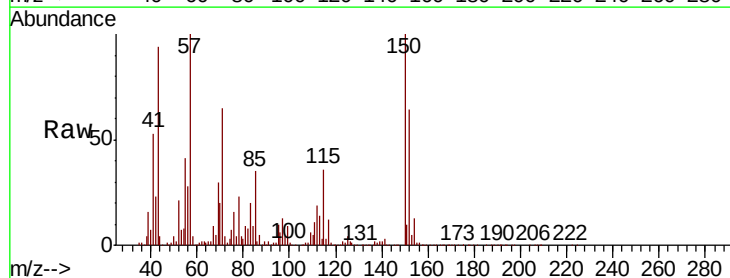
Instrument :
MSVOA_W
ClientSampleId :

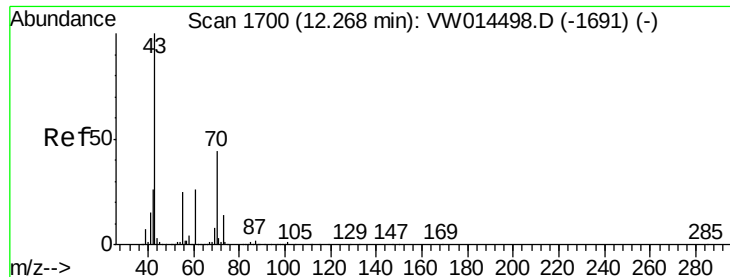
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.6	67.0
119	32.5	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014564.D
Acq: 08 Jan 2020 17:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.3	27.7	83.1
150	142.2	0.0	343.4





#74

N-amvl acetate

Concen: 113.373 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW014564.D

Acq: 08 Jan 2020 17:15

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 375758

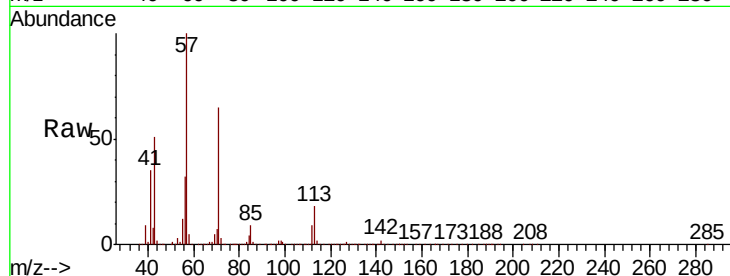
Ion Ratio Lower Upper

43 100

70 18.6 36.5 54.7#

55 29.7 20.9 31.3

61 0.0 20.7 31.1#

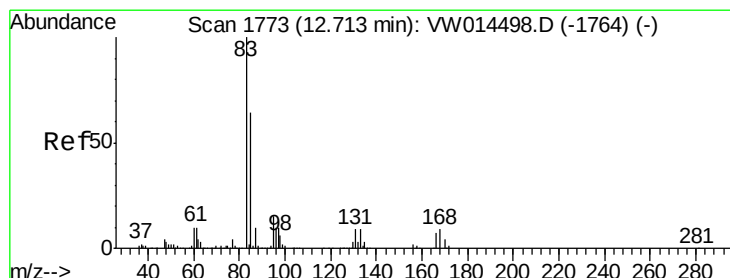
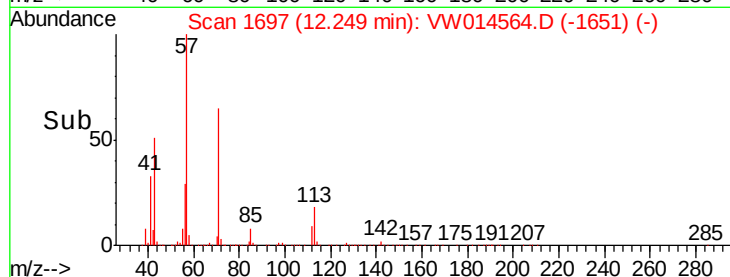
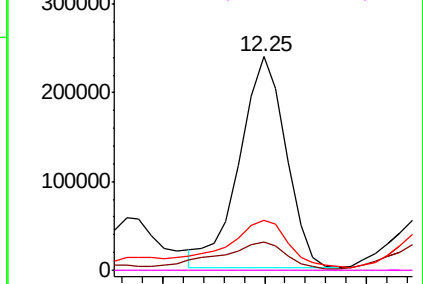


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#75

1,1,2,2-Tetrachloroethane

Concen: 5.477 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW014564.D

Acq: 08 Jan 2020 17:15

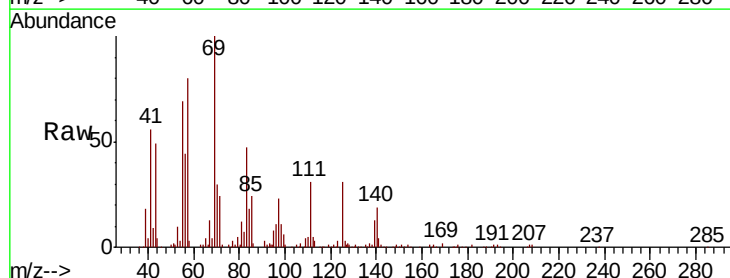
Tgt Ion: 83 Resp: 14614

Ion Ratio Lower Upper

83 100

131 0.5 5.1 15.4#

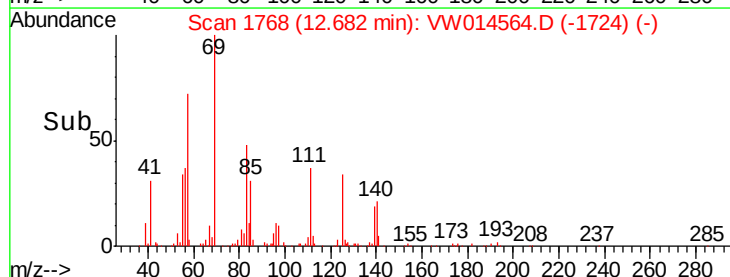
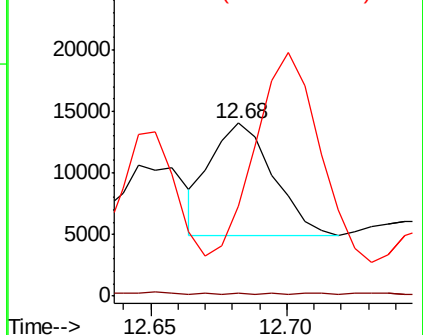
85 188.2 31.9 95.7#

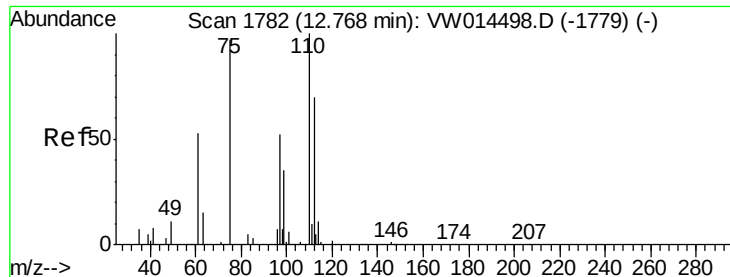


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



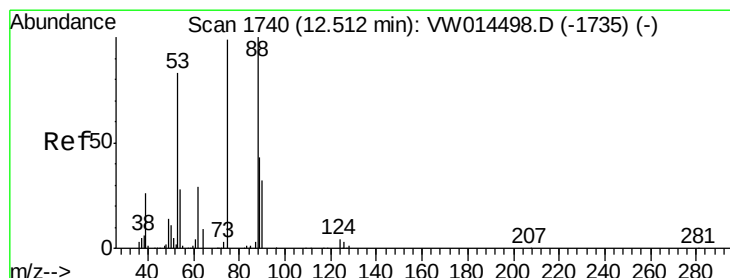
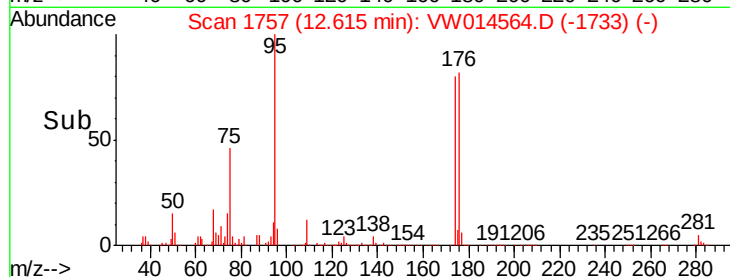
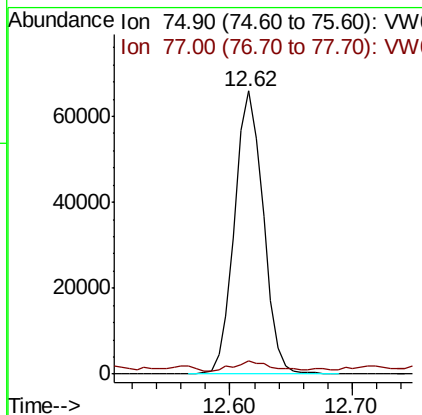
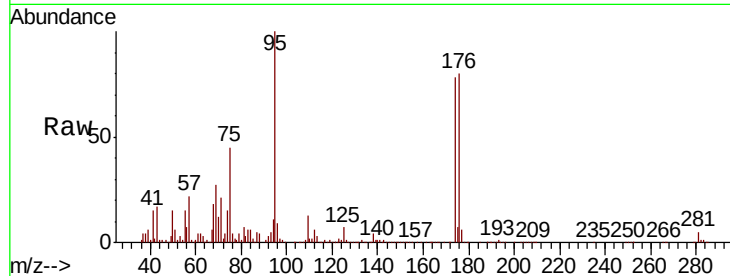


#76

1,2,3-Trichloropropane
Concen: 56.100 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW014564.D
Acq: 08 Jan 2020 17:15

Instrument :
MSVOA_W
ClientSampleId :

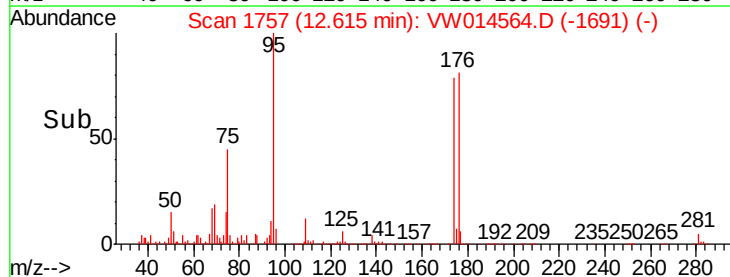
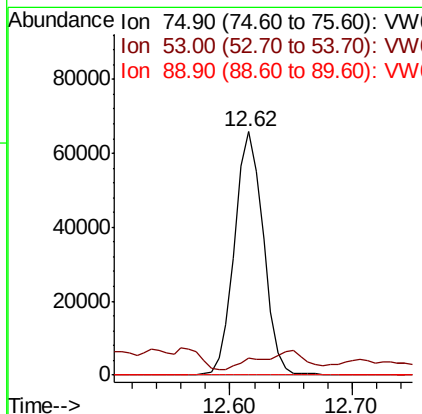
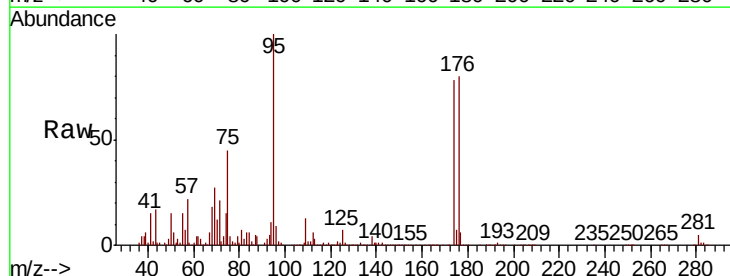
Tot Ion: 75 Resp: 106854
Ion Ratio Lower Upper
75 100
77 4.8 0.0 0.0#

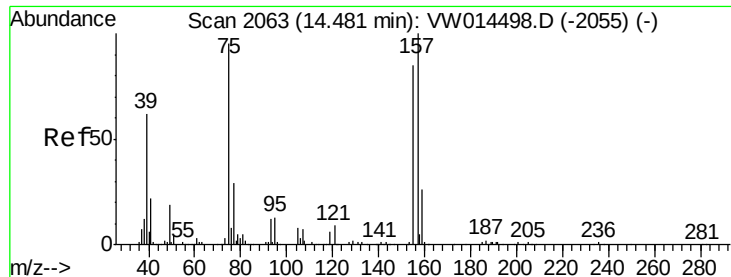


#81

trans-1,4-Dichloro-2-butene
Concen: 124.993 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW014564.D
Acq: 08 Jan 2020 17:15

Tgt Ion: 75 Resp: 106854
Ion Ratio Lower Upper
75 100
53 0.0 70.9 106.3#
89 0.2 35.8 53.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.380 ug/l

RT: 14.58 min Scan# 2079

Delta R.T. 0.10 min

Lab File: VW014564.D

Acq: 08 Jan 2020 17:15

Instrument :

MSVOA_W

ClientSampleId :

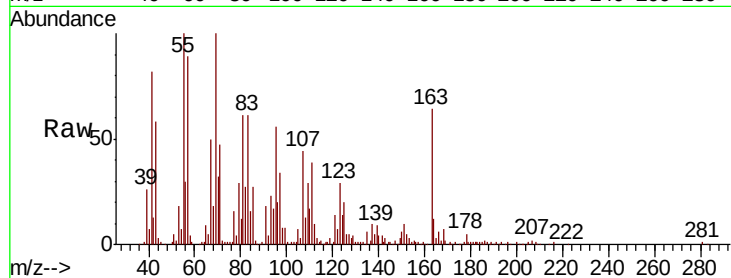
Tot Ion: 75 Resp: 583

Ion Ratio Lower Upper

75 100

155 110.5 45.8 137.4

157 59.0 58.1 174.2



Abundance Ion 74.90 (74.60 to 75.60): VW014564.D (-2014) (-)

Ion 154.80 (154.50 to 155.50): VW014564.D (-2014) (-)

Ion 156.80 (156.50 to 157.50): VW014564.D (-2014) (-)

