

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014579.D
 Acq On : 09 Jan 2020 13:51
 Operator : SY/VA
 Sample : L1056-05RE
 Misc : 9.38G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 09 15:34:24 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	695103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1067132	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	688074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	202847	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	310740	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
35) Dibromofluoromethane	7.88	113	339393	55.65	ug/l	0.00
Spiked Amount			Recovery	=	111.30%	
50) Toluene-d8	10.32	98	1236011	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	12.62	95	278568	32.27	ug/l	0.00
Spiked Amount			Recovery	=	64.54%	

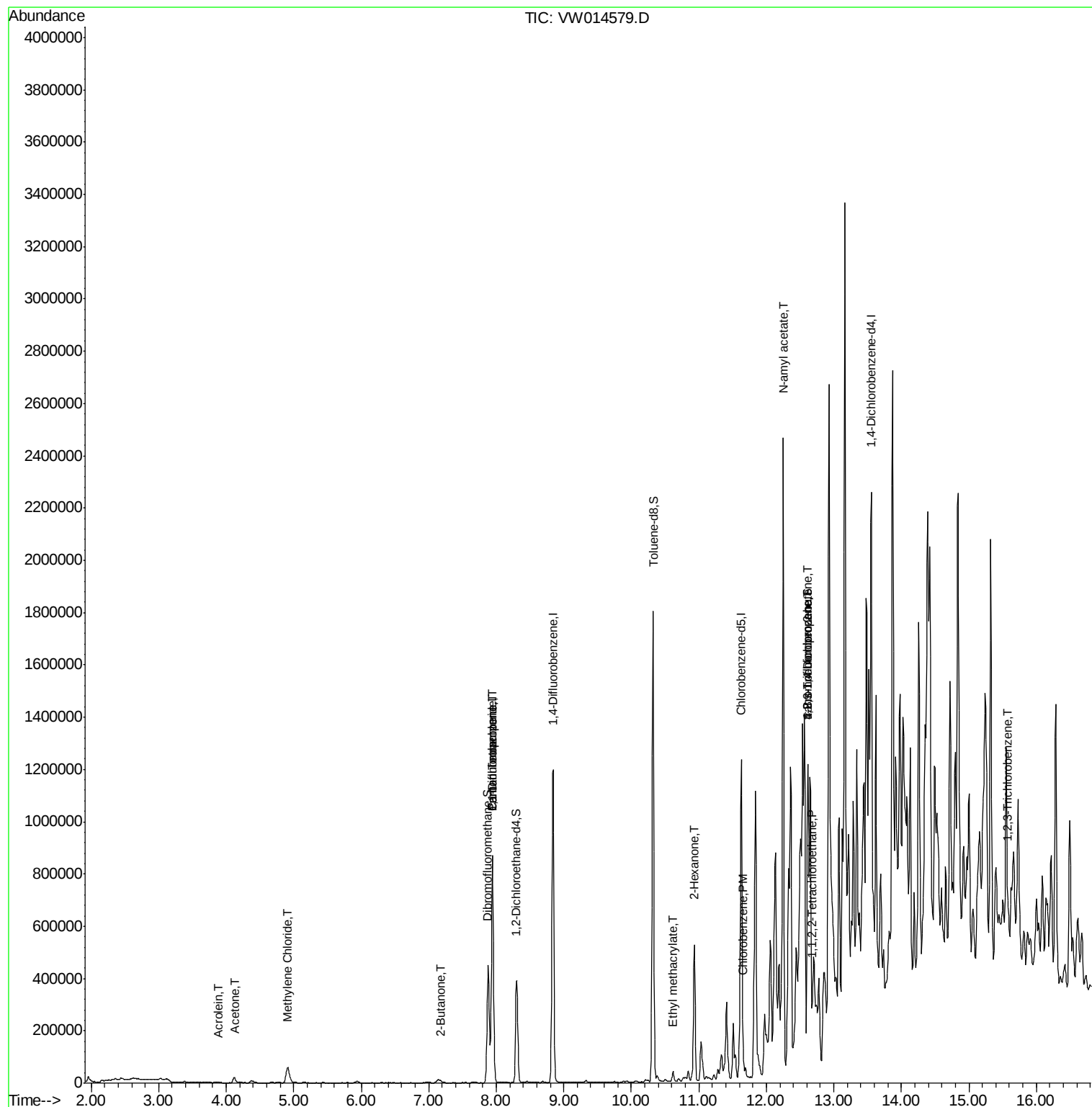
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	771	Below Cal	#	73
13) Acrolein	3.89	56	590	1.112	ug/l #	47
16) Acetone	4.12	43	36758	21.420	ug/l	98
20) Methylene Chloride	4.92	84	52840	3.402	ug/l	99
25) 2-Butanone	7.18	43	5727	2.601	ug/l	97
36) 1,1-Dichloropropene	7.94	75	47074	4.576	ug/l #	48
38) Carbon Tetrachloride	7.95	117	60230	6.748	ug/l #	16
56) Ethyl methacrylate	10.62	69	11082	1.656	ug/l #	85
59) 2-Hexanone	10.93	43	185577	61.209	ug/l #	27
65) Chlorobenzene	11.66	112	18680	1.325	ug/l	96
74) N-amyl acetate	12.25	43	488430	146.356	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.68	83	18940	7.050	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	128777	67.145	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	128777	149.602	ug/l #	18
96) 1,2,3-Trichlorobenzene	15.58	180	4793	1.378	ug/l #	55

(#) = 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: VW014579.D

Acq: 09 Jan 2020 13:51

Instrument :

MSVOA_W

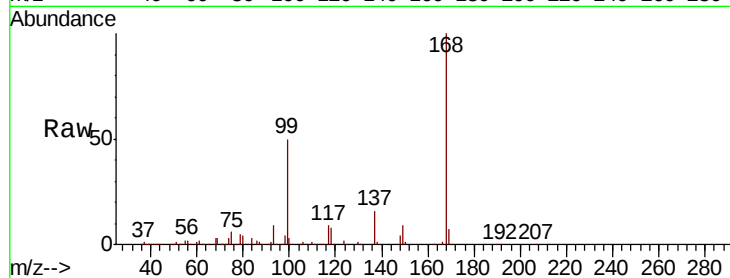
ClientSampleId :

Tot Ion:168 Resp: 695103

Ion Ratio Lower Upper

168 100

99 49.8 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

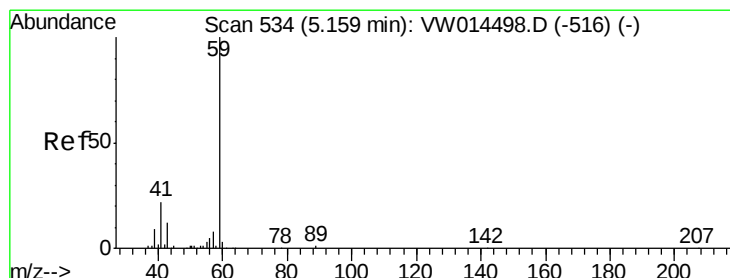
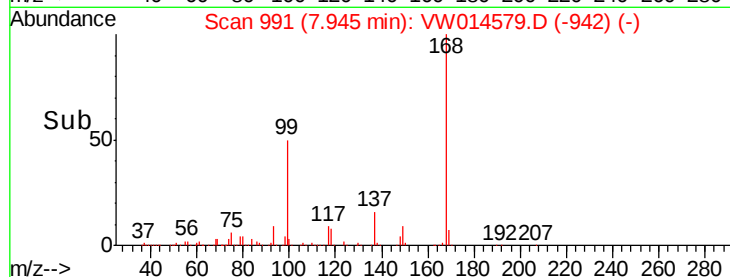
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW014579.D

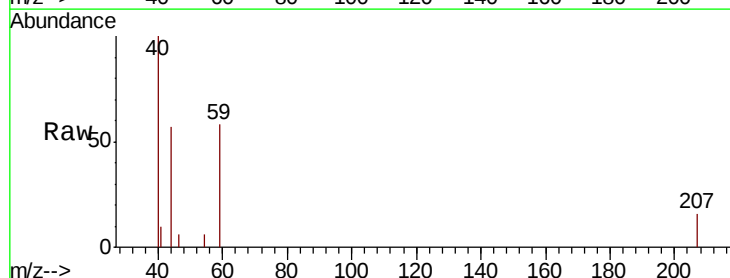
Acq: 09 Jan 2020 13:51

Tgt Ion: 59 Resp: 771

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

5.14

500

400

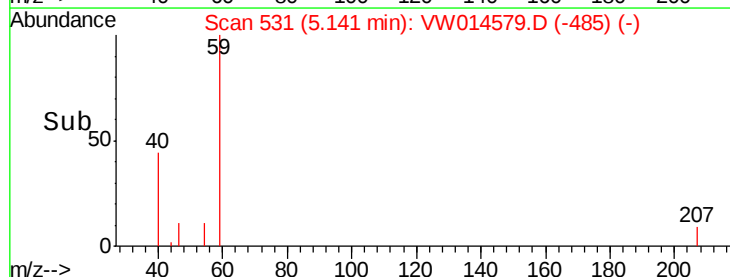
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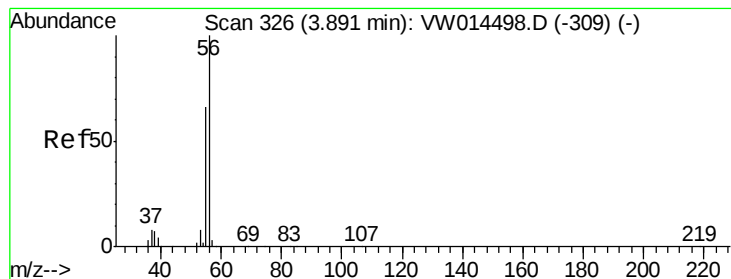
200

100

0

Time-->





#13

Acrolein

Concen: 1.112 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW014579.D

Acq: 09 Jan 2020 13:51

Instrument :

MSVOA_W

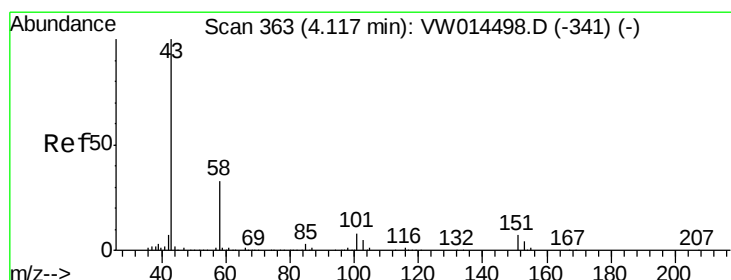
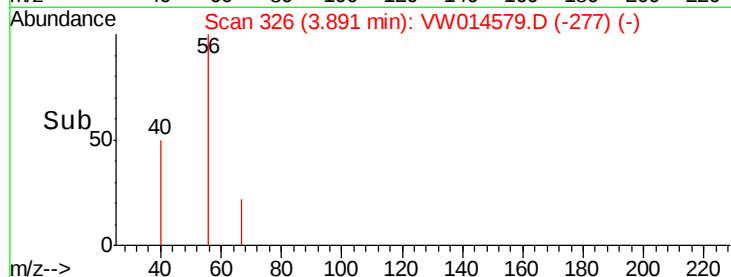
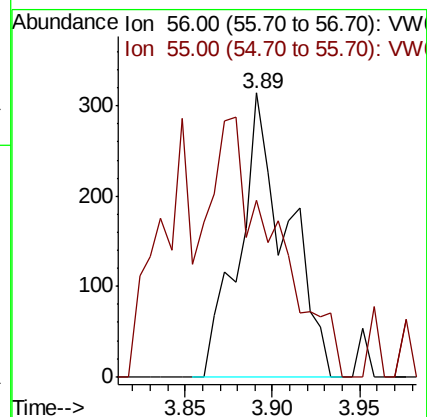
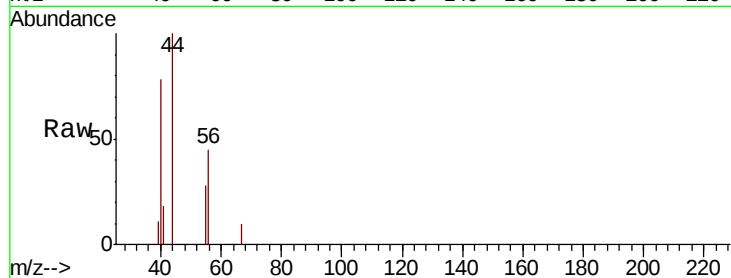
ClientSampled :

Tot Ion: 56 Resp: 590

Ion Ratio Lower Upper

56 100

55 115.1 56.7 85.1#



#16

Acetone

Concen: 21.420 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014579.D

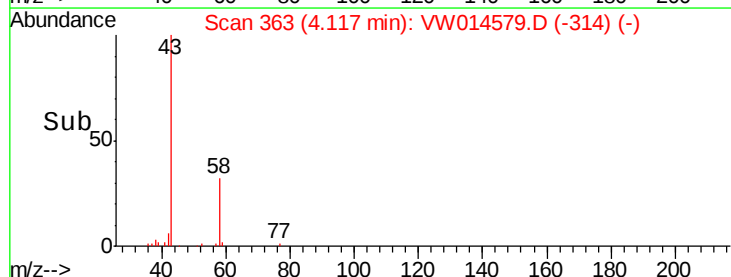
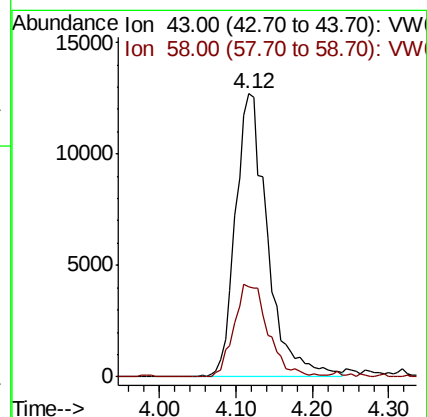
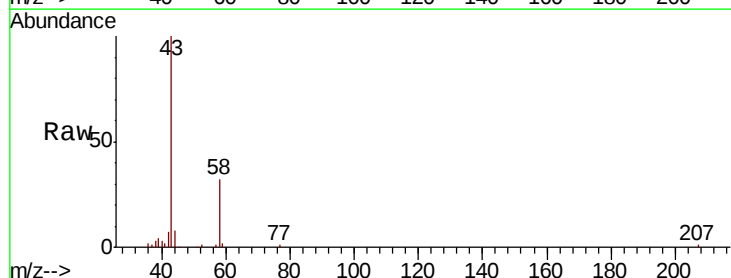
Acq: 09 Jan 2020 13:51

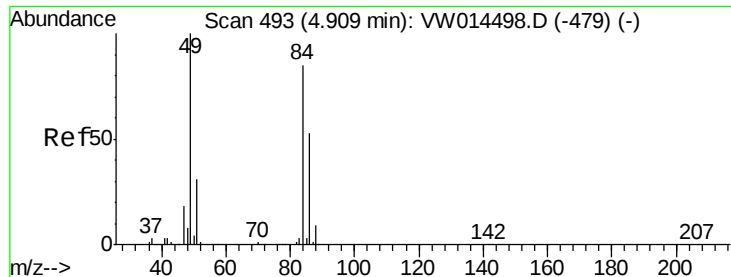
Tgt Ion: 43 Resp: 36758

Ion Ratio Lower Upper

43 100

58 32.1 26.6 39.8

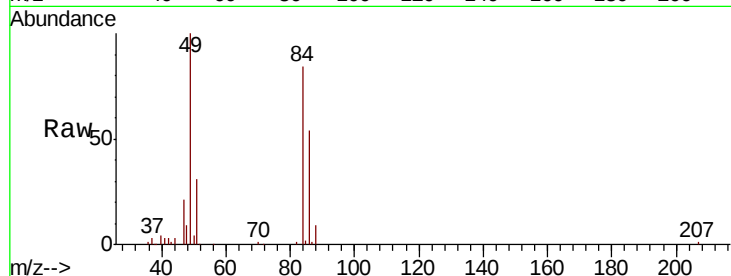




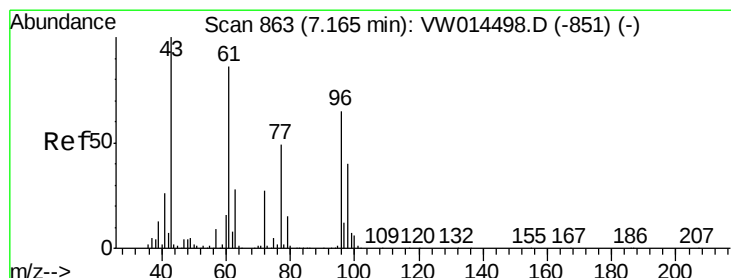
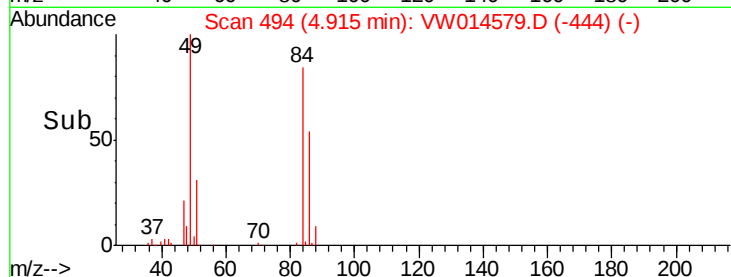
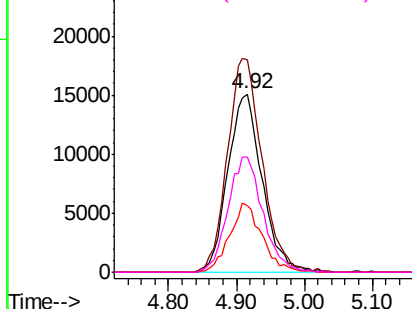
#20
Methvlene Chloride
Concen: 3.402 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014579.D
Acq: 09 Jan 2020 13:51

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 52840
Ion Ratio Lower Upper
84 100
49 119.1 94.4 141.6
51 37.2 29.5 44.3
86 64.5 50.2 75.2

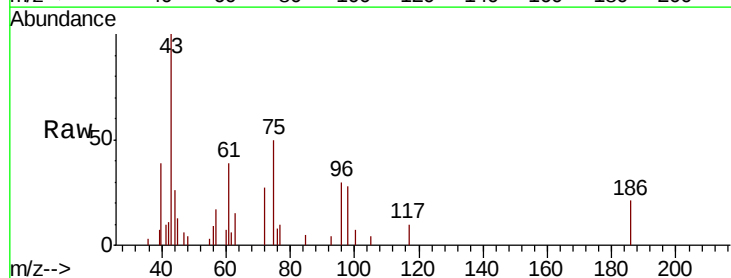


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

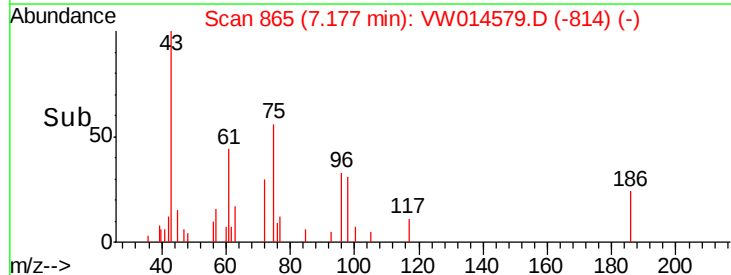
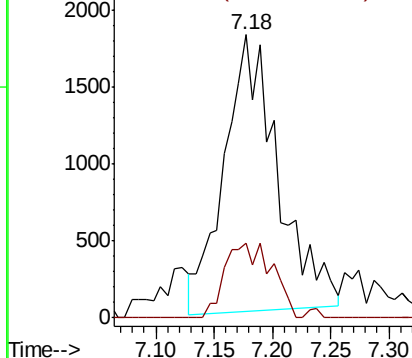


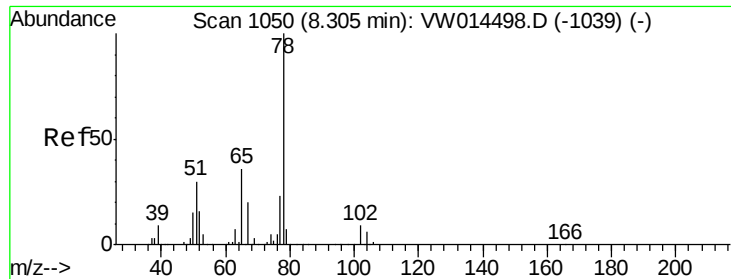
#25
2-Butanone
Concen: 2.601 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW014579.D
Acq: 09 Jan 2020 13:51

Tgt Ion: 43 Resp: 5727
Ion Ratio Lower Upper
43 100
72 28.8 21.9 32.9



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

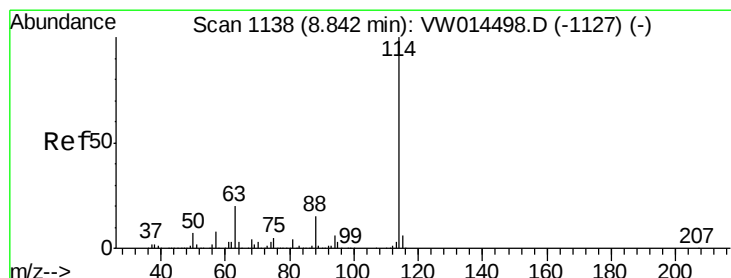
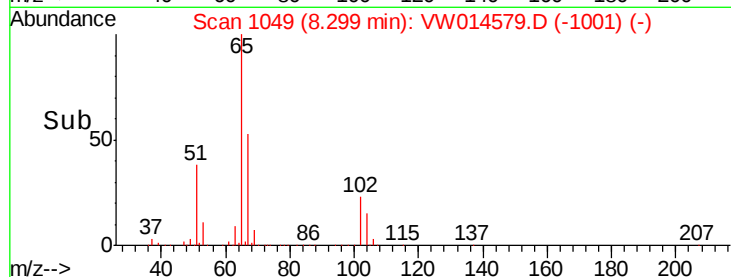
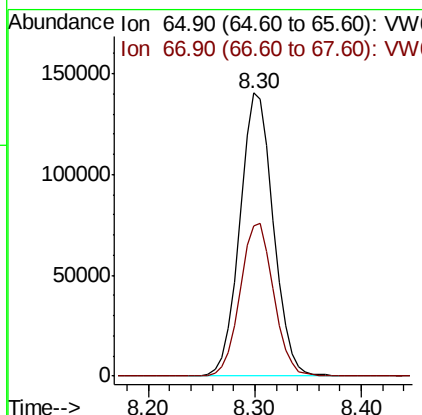
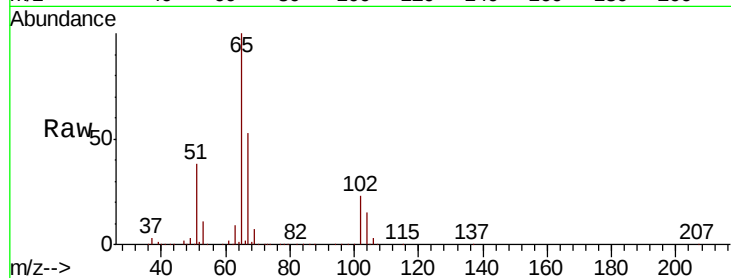




#33
 1,2-Dichloroethane-d4
 Concen: 51.131 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014579.D
 Acq: 09 Jan 2020 13:51

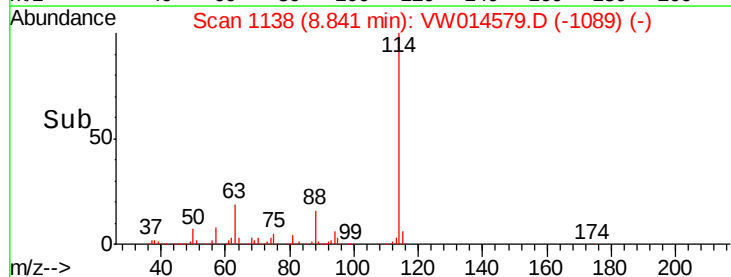
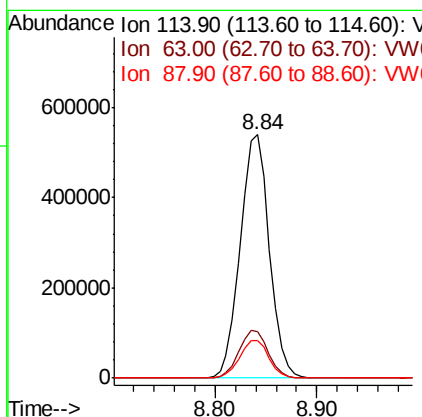
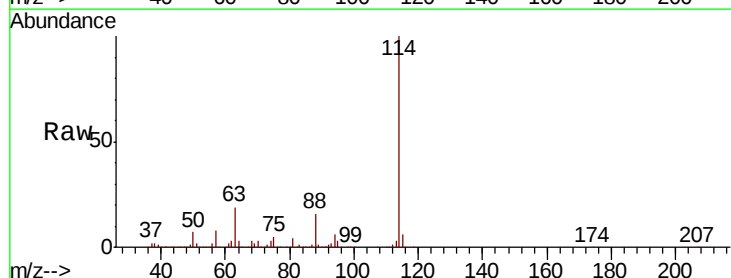
Instrument :
 MSVOA_W
 ClientSampled :

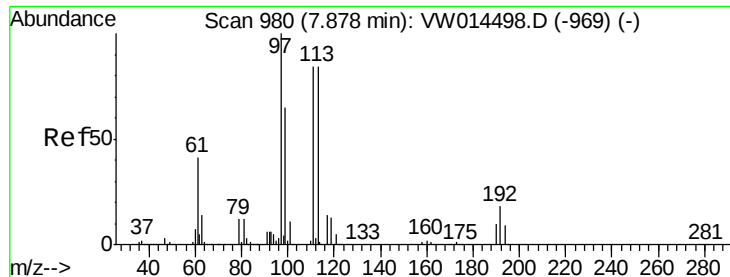
Tot Ion: 65 Resp: 310740
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014579.D
 Acq: 09 Jan 2020 13:51

Tgt Ion: 114 Resp: 1067132
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.4
 88 15.5 0.0 30.6

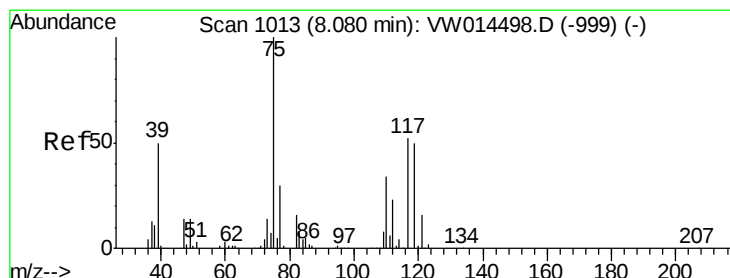
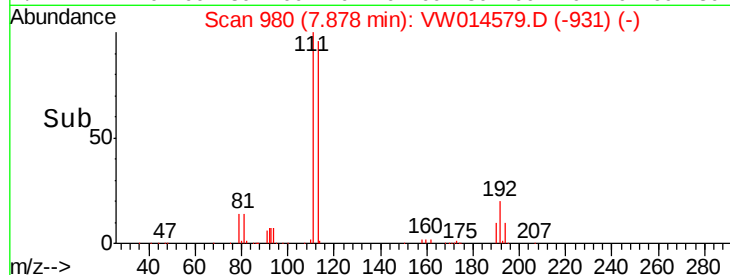
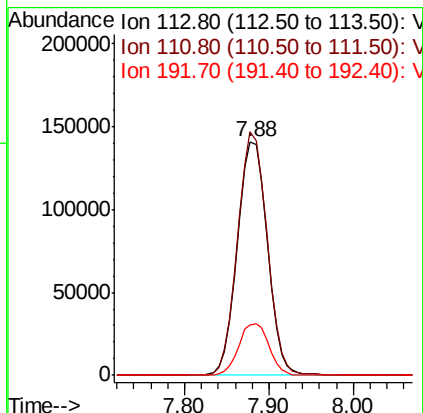
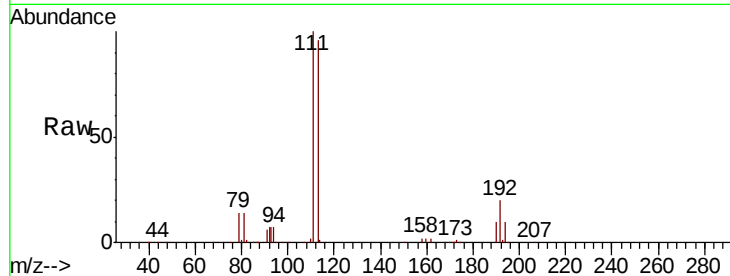




#35
 Dibromofluoromethane
 Concen: 55.649 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014579.D
 Acq: 09 Jan 2020 13:51

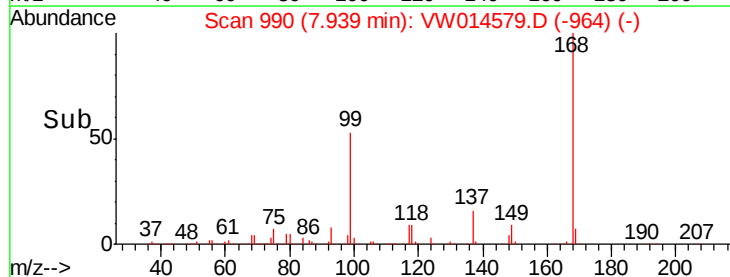
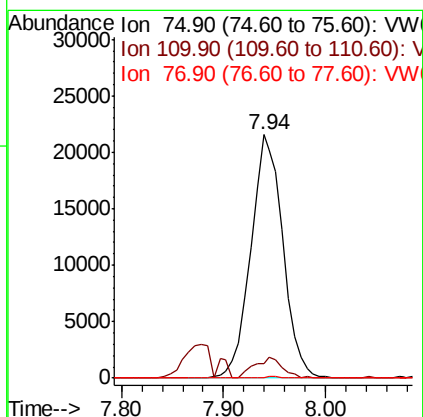
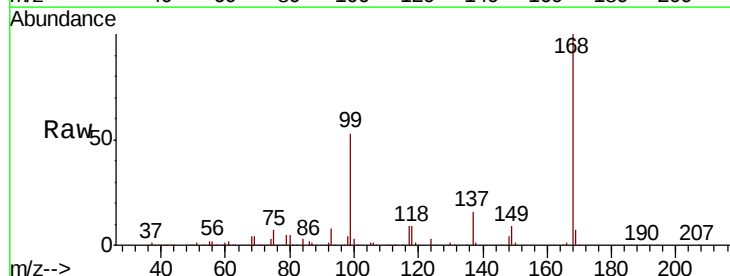
Instrument :
 MSVOA_W
 ClientSampleId :

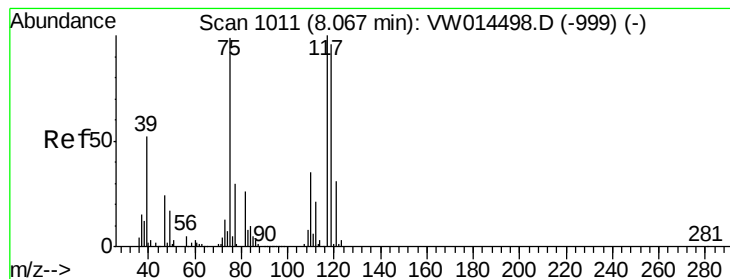
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.2
192	22.2	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.576 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014579.D
 Acq: 09 Jan 2020 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	17.8	53.5#
77	0.2	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.748 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW014579.D

Acq: 09 Jan 2020 13:51

Instrument :

MSVOA_W

ClientSampleId :

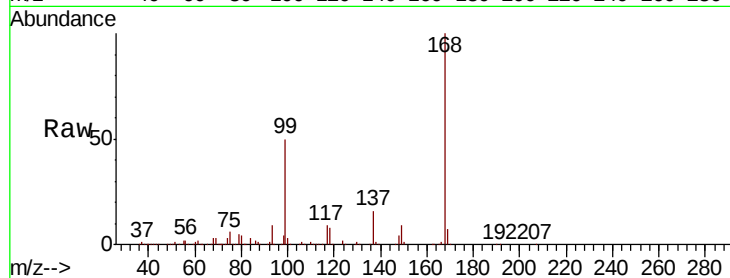
Tot Ion:117 Resp: 60230

Ion Ratio Lower Upper

117 100

119 4.7 77.0 115.6#

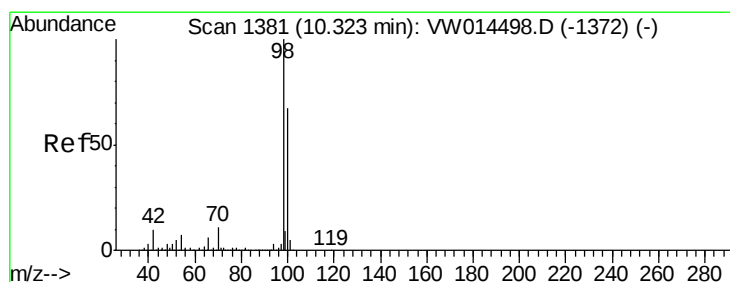
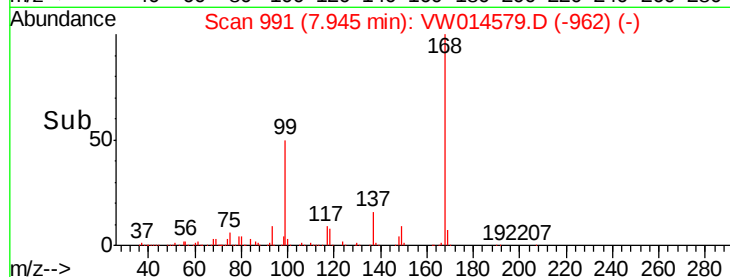
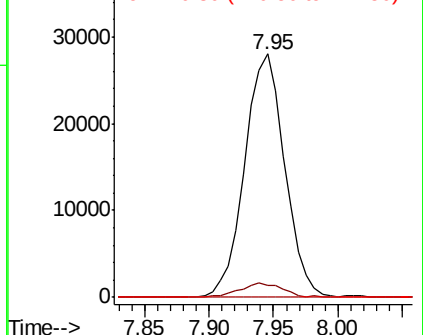
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.562 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014579.D

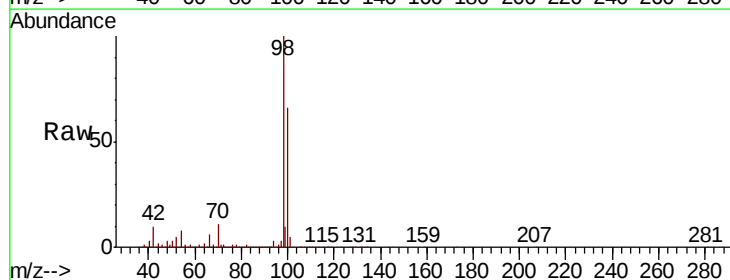
Acq: 09 Jan 2020 13:51

Tgt Ion: 98 Resp: 1236011

Ion Ratio Lower Upper

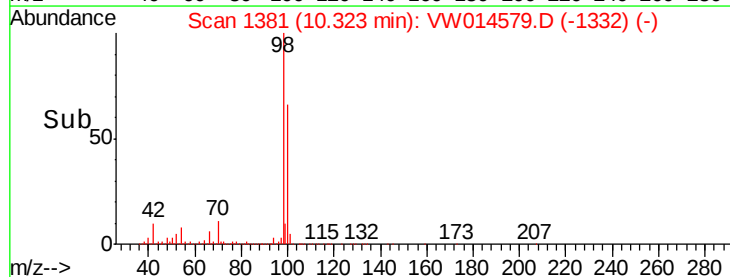
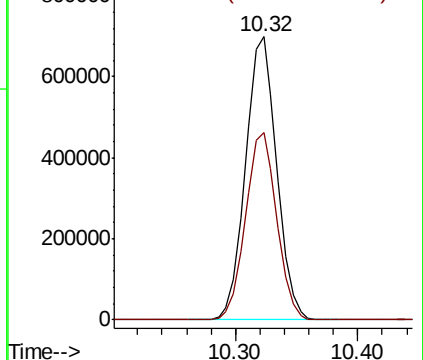
98 100

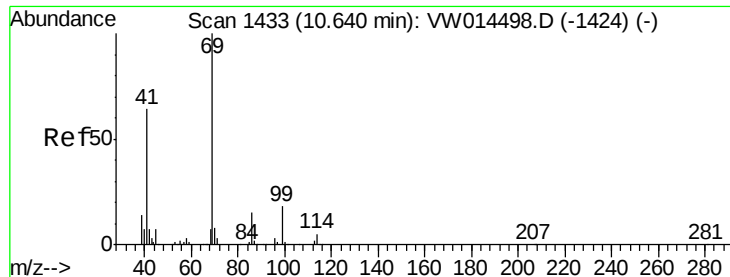
100 66.4 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 1.656 ug/l

RT: 10.62 min Scan# 1429

Delta R.T. -0.02 min

Lab File: VW014579.D

Acq: 09 Jan 2020 13:51

Instrument :

MSVOA_W

ClientSampleId :

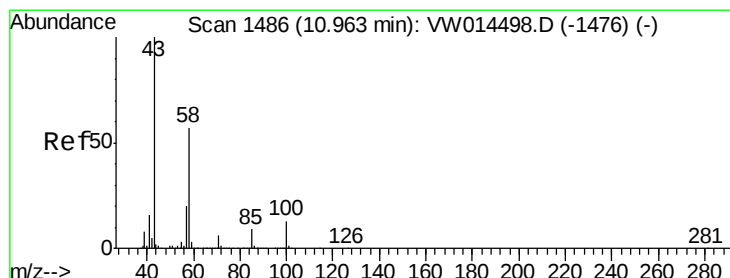
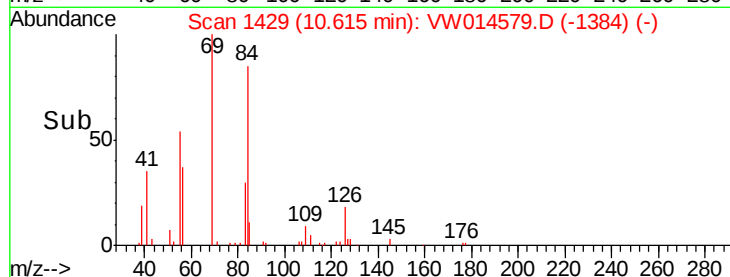
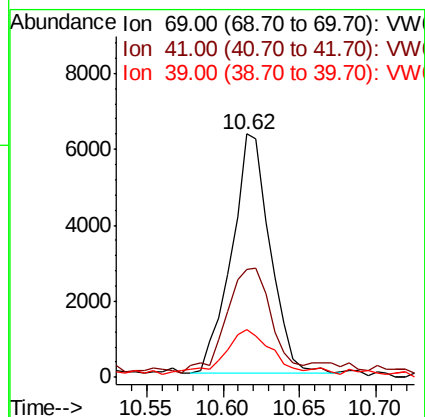
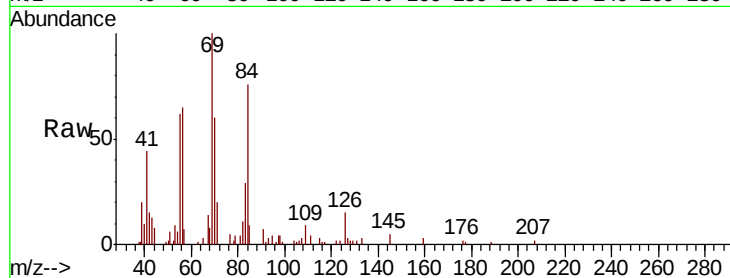
Tot Ion: 69 Resp: 11082

Ion Ratio Lower Upper

69 100

41 50.3 51.3 76.9#

39 22.2 21.0 31.6



#59

2-Hexanone

Concen: 61.209 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.03 min

Lab File: VW014579.D

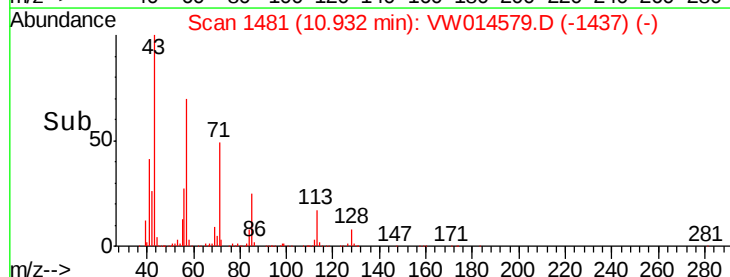
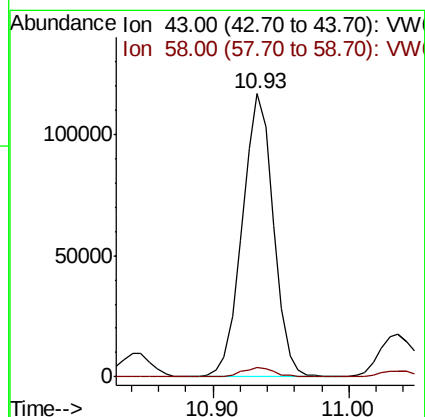
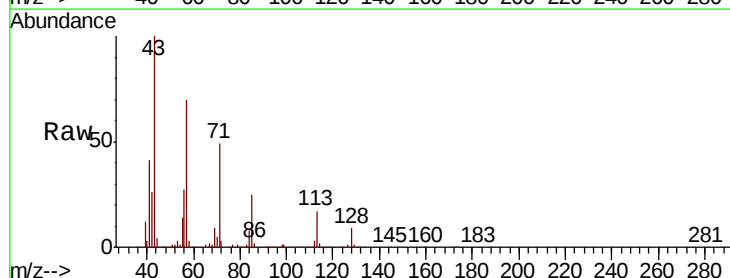
Acq: 09 Jan 2020 13:51

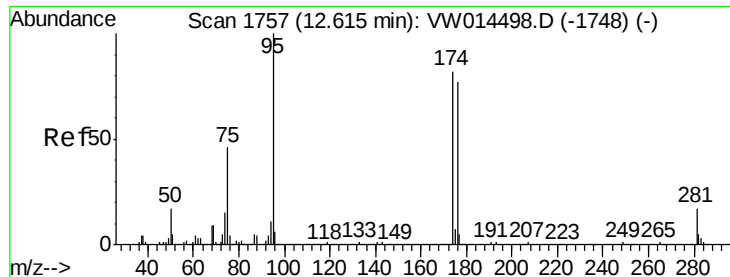
Tgt Ion: 43 Resp: 185577

Ion Ratio Lower Upper

43 100

58 3.7 28.7 86.3#

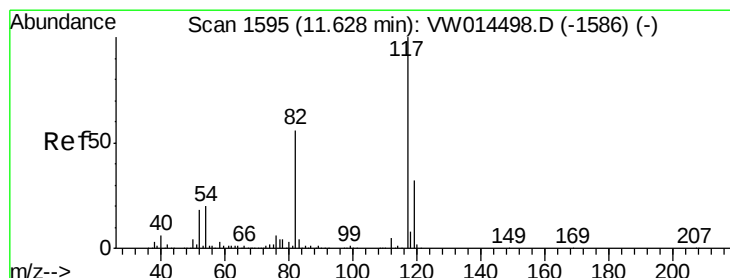
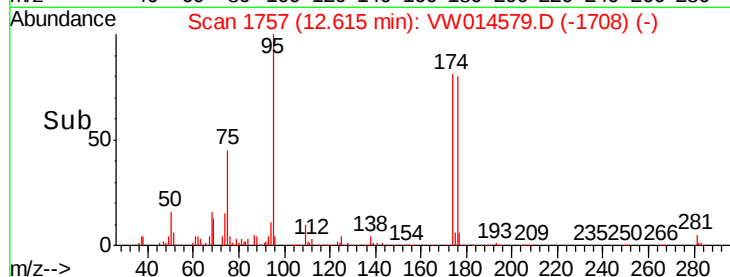
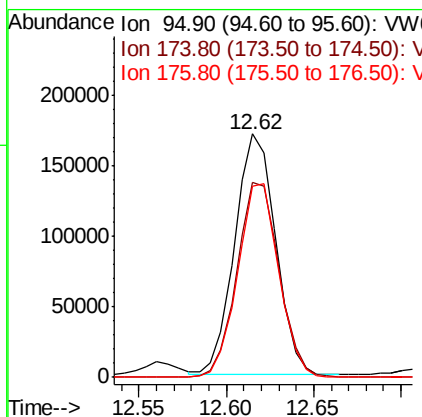
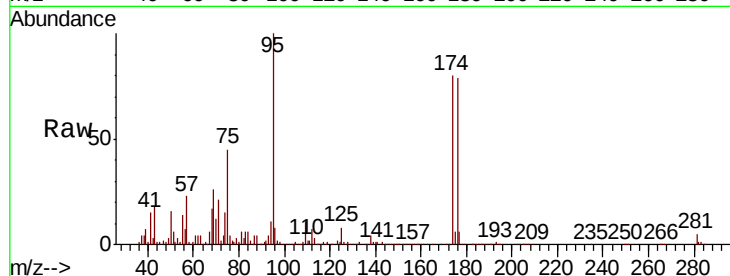




#62
4-Bromofluorobenzene
Concen: 32.268 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW014579.D
Acq: 09 Jan 2020 13:51

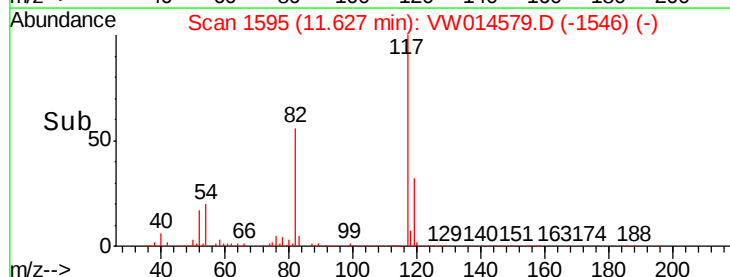
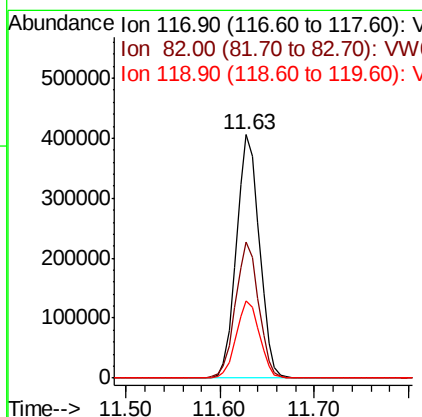
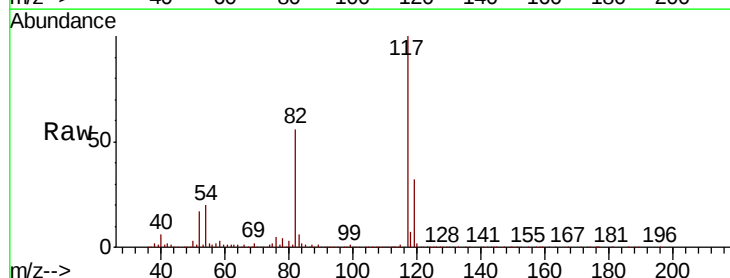
Instrument :
MSVOA_W
ClientSampleId :

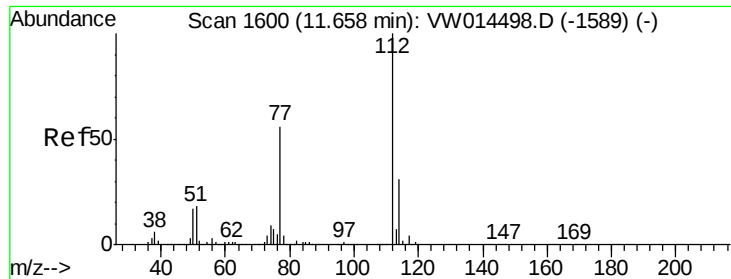
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	168.6
176	80.6	0.0	162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014579.D
Acq: 09 Jan 2020 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.6	67.0
119	31.8	25.7	38.5

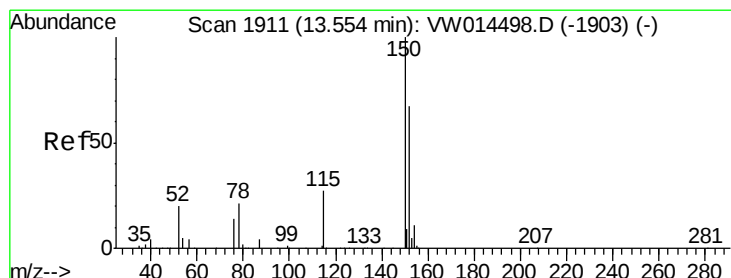
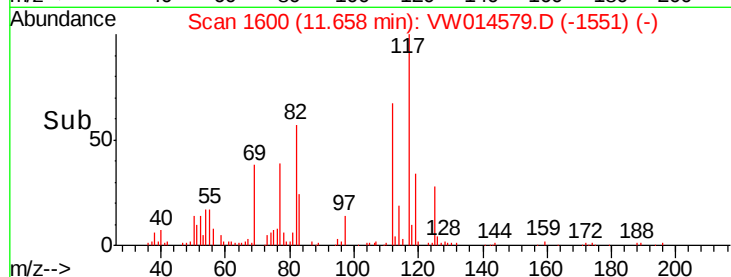
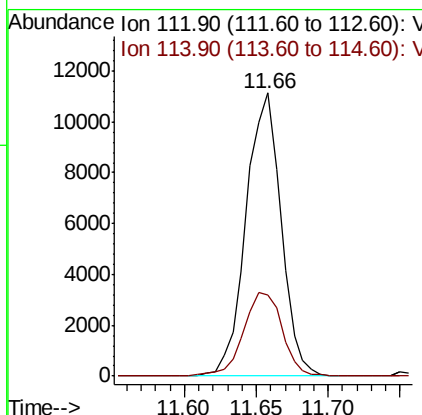
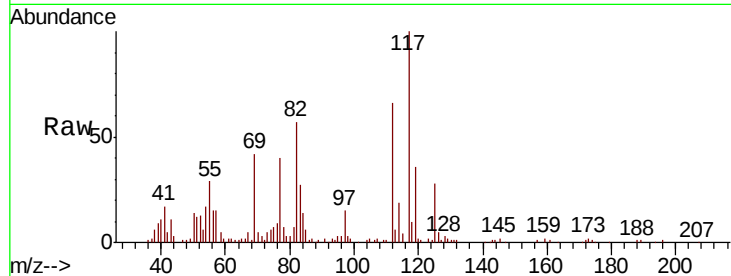




#65
Chlorobenzene
Concen: 1.325 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW014579.D
Acq: 09 Jan 2020 13:51

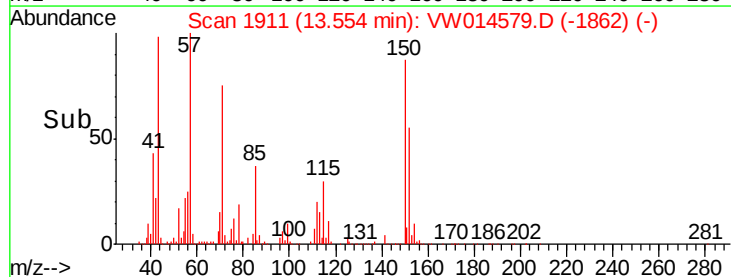
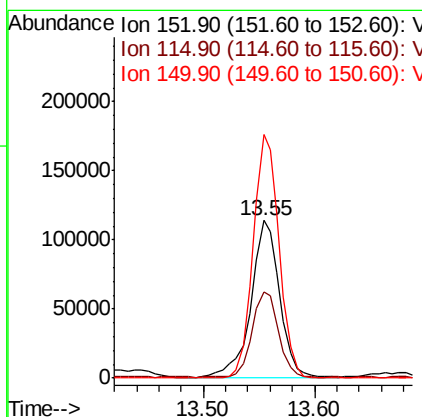
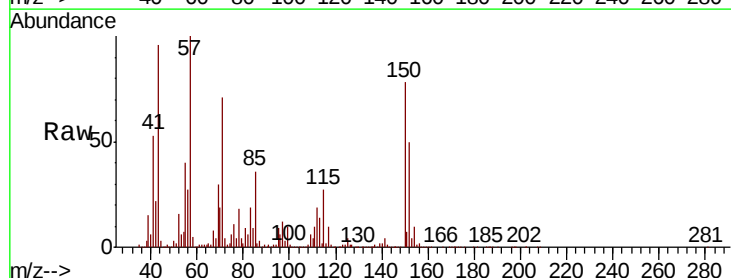
Instrument :
MSVOA_W
ClientSampleId :

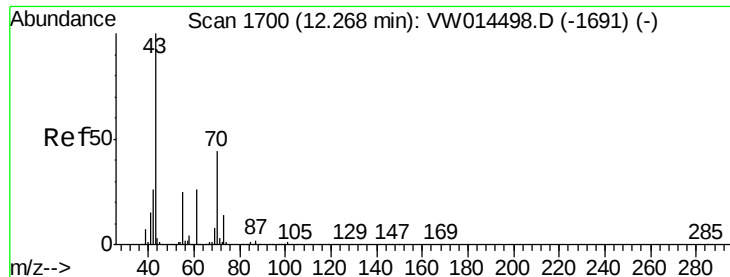
Tot Ion:112 Resp: 18680
Ion Ratio Lower Upper
112 100
114 28.7 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014579.D
Acq: 09 Jan 2020 13:51

Tgt Ion:152 Resp: 202847
Ion Ratio Lower Upper
152 100
115 50.2 27.7 83.1
150 139.9 0.0 343.4

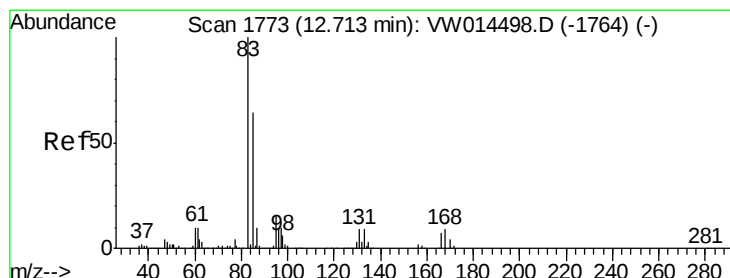
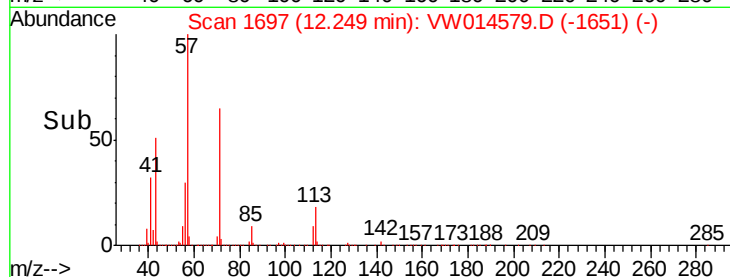
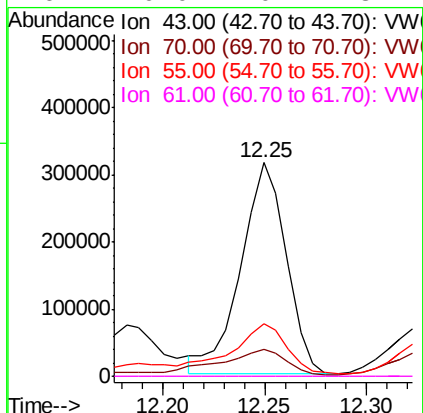
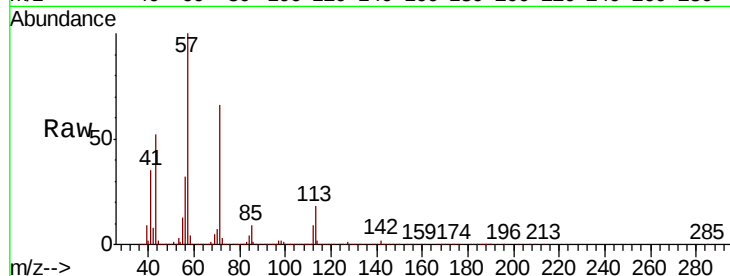




#74
N-amvl acetate
Concen: 146.356 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW014579.D
Acq: 09 Jan 2020 13:51

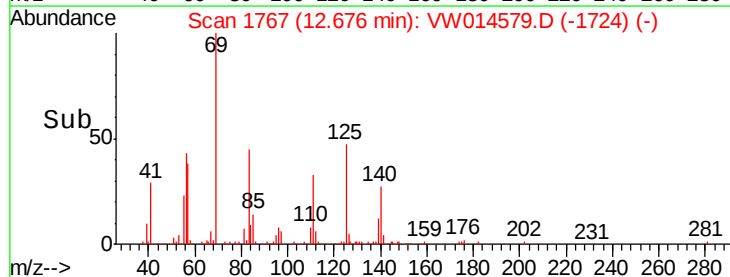
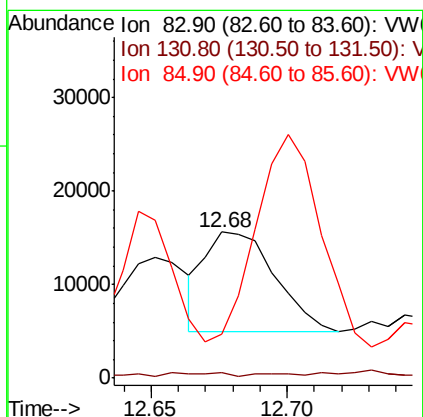
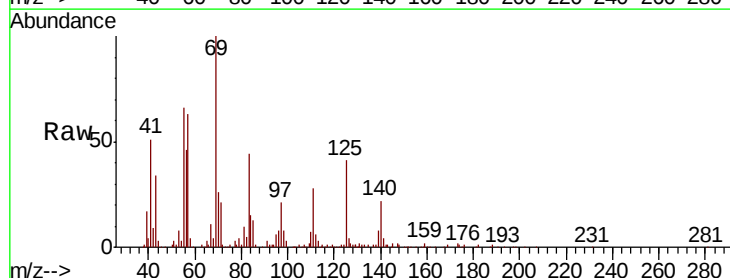
Instrument :
MSVOA_W
ClientSampled :

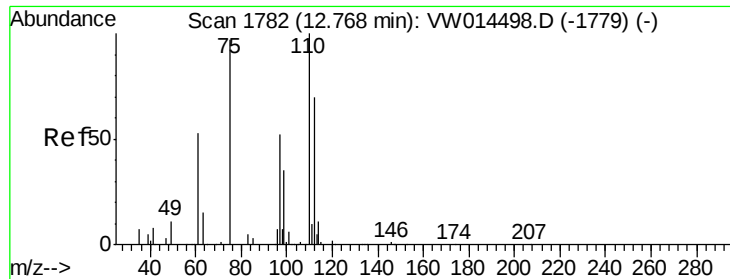
Tot Ion:	43	Resp:	488430
Ion	Ratio	Lower	Upper
43	100		
70	17.7	36.5	54.7#
55	28.3	20.9	31.3
61	0.0	20.7	31.1#



#75
1,1,2,2-Tetrachloroethane
Concen: 7.050 ug/l
RT: 12.68 min Scan# 1767
Delta R.T. -0.04 min
Lab File: VW014579.D
Acq: 09 Jan 2020 13:51

Tgt Ion:	83	Resp:	18940
Ion	Ratio	Lower	Upper
83	100		
131	2.3	5.1	15.4#
85	0.0	31.9	95.7#

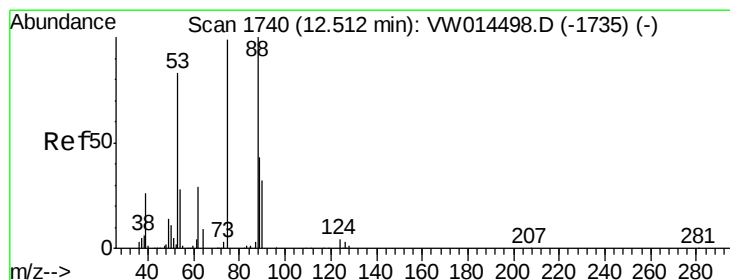
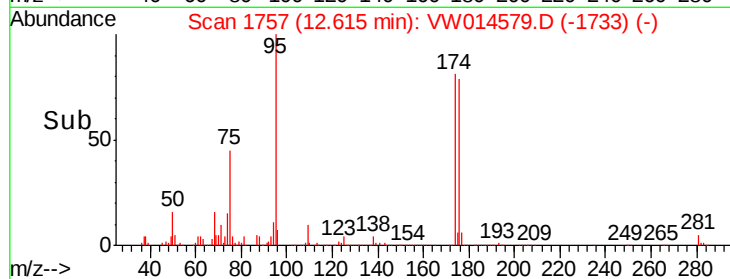
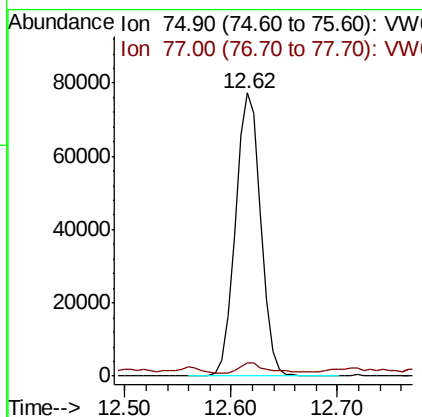
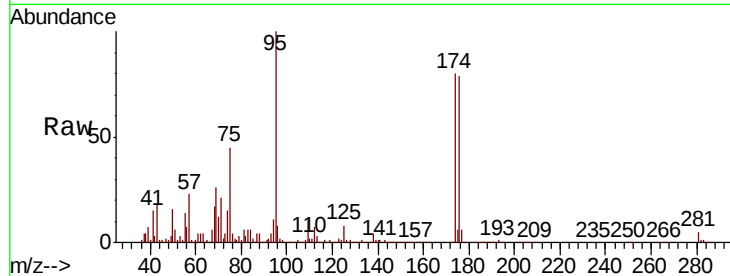




#76
 1,2,3-Trichloropropane
 Concen: 67.145 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW014579.D
 Acq: 09 Jan 2020 13:51

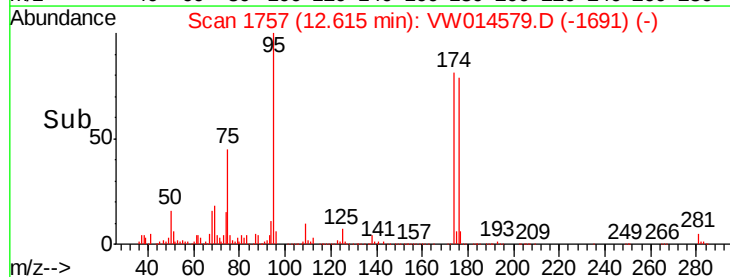
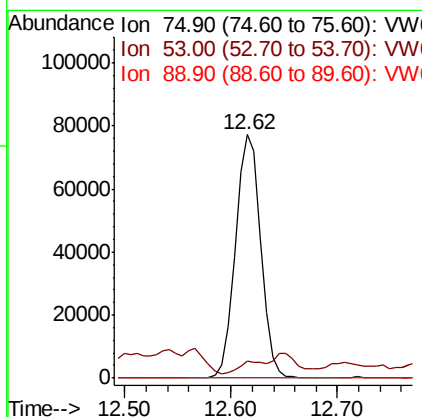
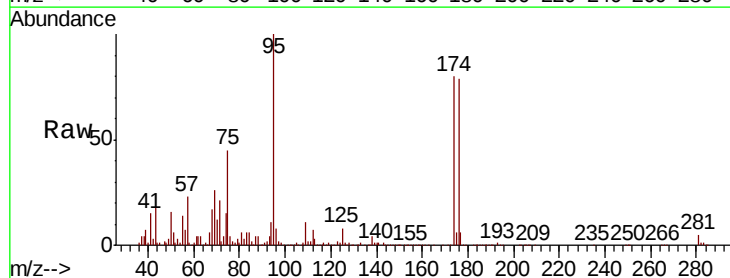
Instrument :
 MSVOA_W
 ClientSampleId :

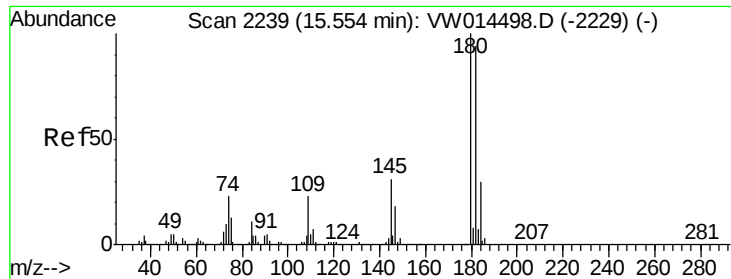
Tot Ion: 75 Resp: 128777
 Ion Ratio Lower Upper
 75 100
 77 4.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 149.602 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW014579.D
 Acq: 09 Jan 2020 13:51

Tgt Ion: 75 Resp: 128777
 Ion Ratio Lower Upper
 75 100
 53 5.0 70.9 106.3#
 89 0.0 35.8 53.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.378 ug/l
 RT: 15.58 min Scan# 2243
 Delta R.T. 0.02 min
 Lab File: VW014579.D
 Acq: 09 Jan 2020 13:51

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 4793
 Ion Ratio Lower Upper
 180 100
 182 50.6 47.4 142.2
 145 6.7 15.5 46.5#

