

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014585.D
 Acq On : 09 Jan 2020 16:28
 Operator : SY/VA
 Sample : L10-56-10RE
 Misc : 8.23G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 09 16:53:54 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	676972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1037544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	748804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	260031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	347042	58.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.26%	
35) Dibromofluoromethane	7.88	113	365199	61.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.18%	
50) Toluene-d8	10.32	98	1421865	57.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.92%	
62) 4-Bromofluorobenzene	12.62	95	379640	45.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.46%	

Target Compounds

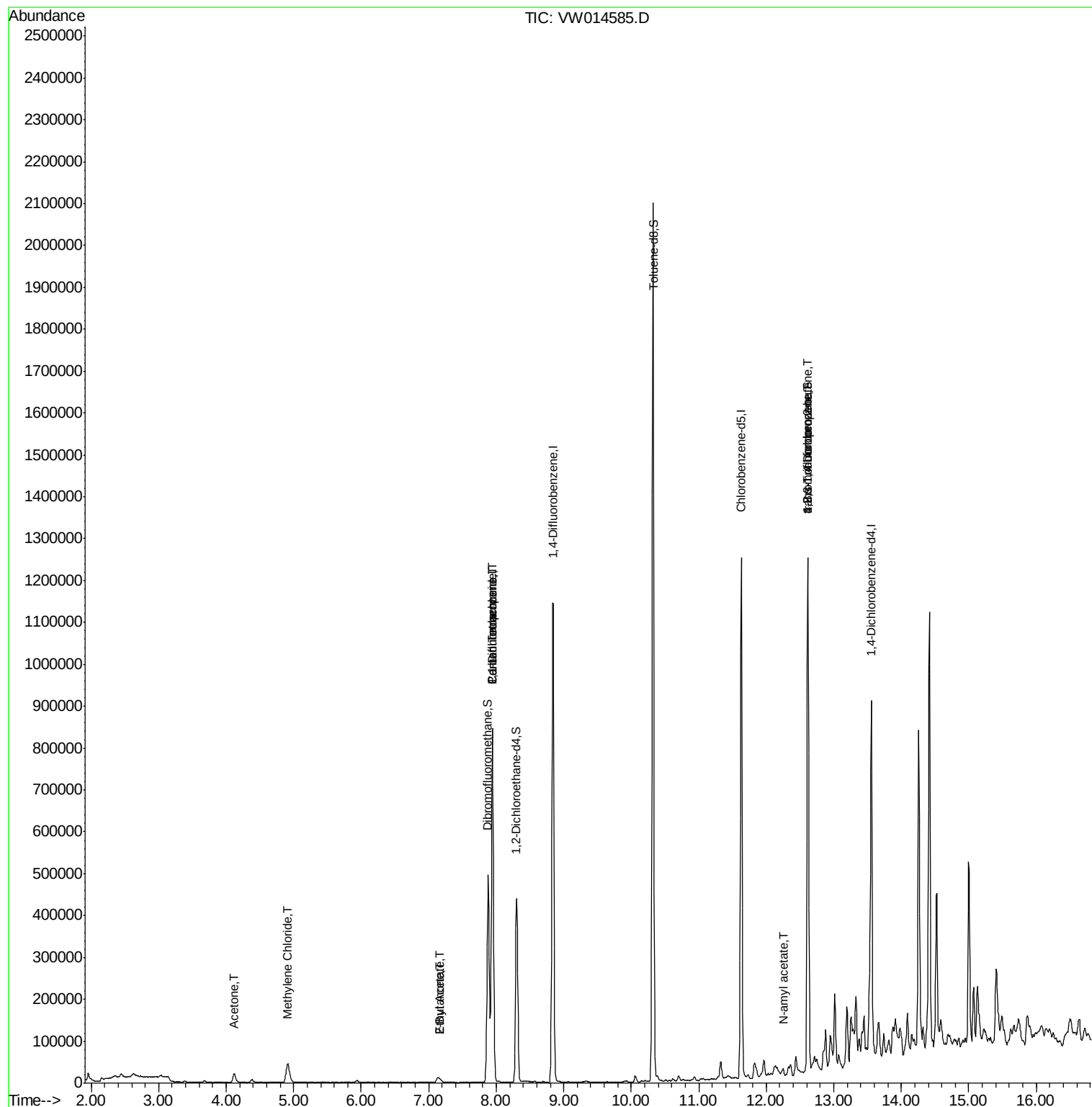
					Qvalue	
11) Tert butyl alcohol	5.15	59	2448	Below Cal	#	83
16) Acetone	4.12	43	38199	22.856	ug/l	100
20) Methylene Chloride	4.92	84	40338	1.593	ug/l	98
25) 2-Butanone	7.17	43	7206	3.360	ug/l #	89
36) 1,1-Dichloropropene	7.94	75	46969	4.696	ug/l #	49
37) Ethyl Acetate	7.17	43	7206	1.588	ug/l #	68
38) Carbon Tetrachloride	7.95	117	59461	6.852	ug/l #	15
74) N-amyl acetate	12.25	43	4504	1.053	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	171695	69.836	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	171695	155.597	ug/l #	17

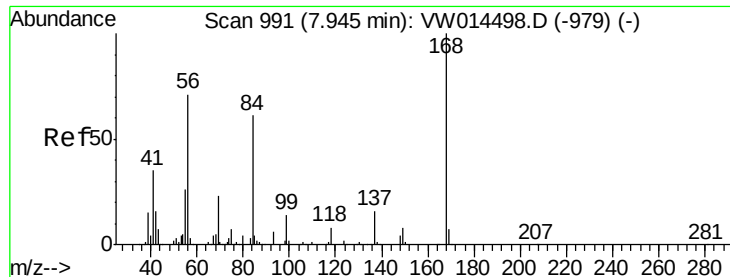
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW014585.D

Acq: 09 Jan 2020 16:28

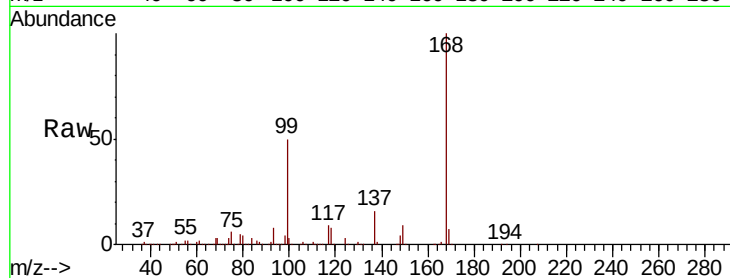
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 676972

Ion Ratio Lower Upper

168 100

99 50.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

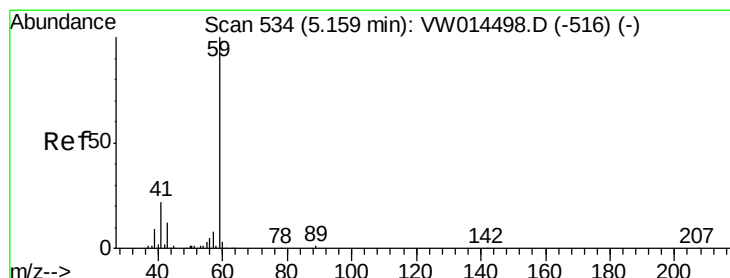
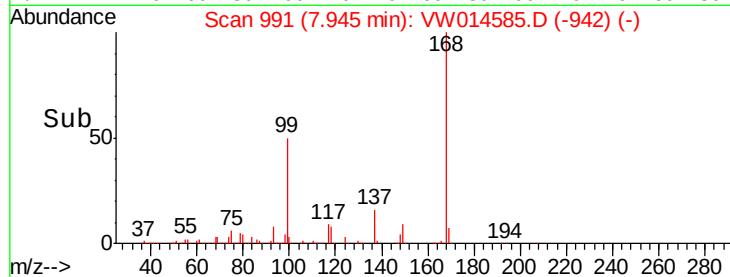
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW014585.D

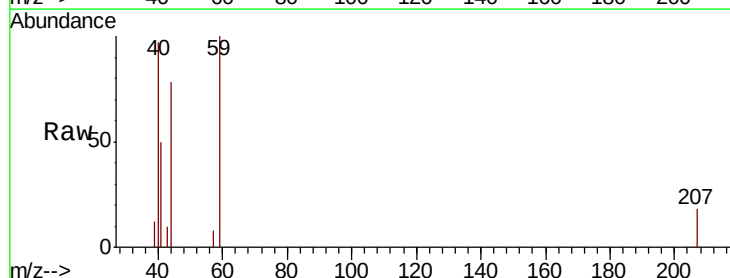
Acq: 09 Jan 2020 16:28

Tgt Ion: 59 Resp: 2448

Ion Ratio Lower Upper

59 100

57 3.7 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

800

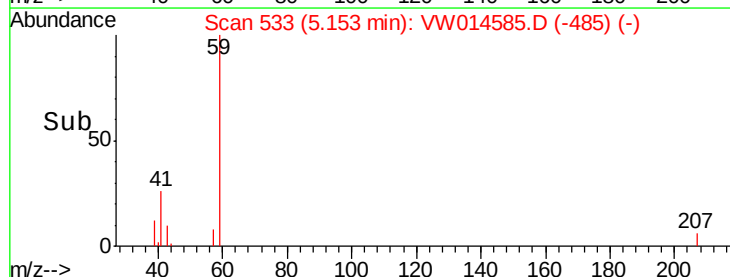
600

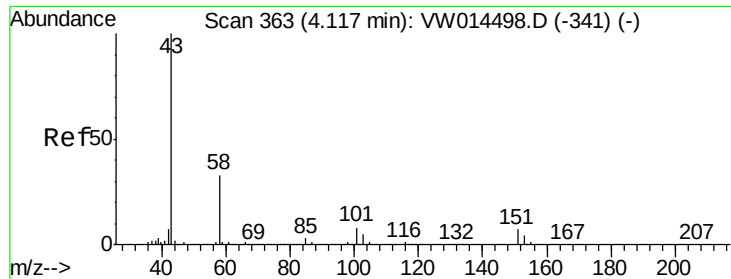
400

200

0

Time-->

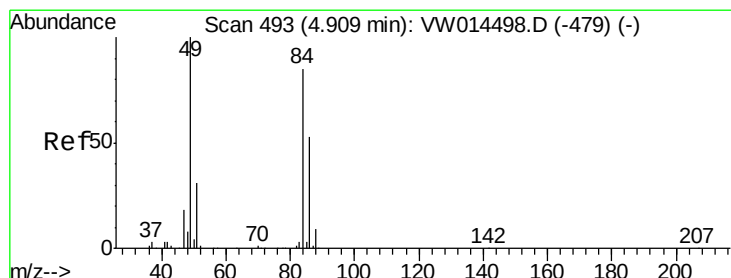
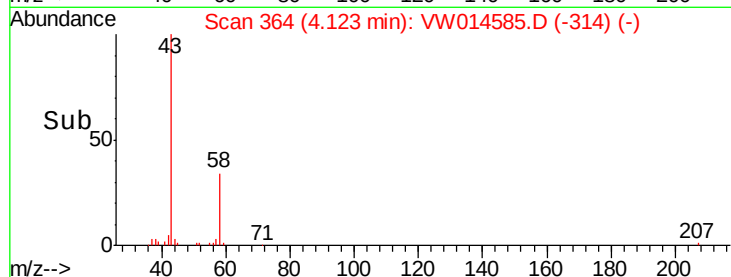
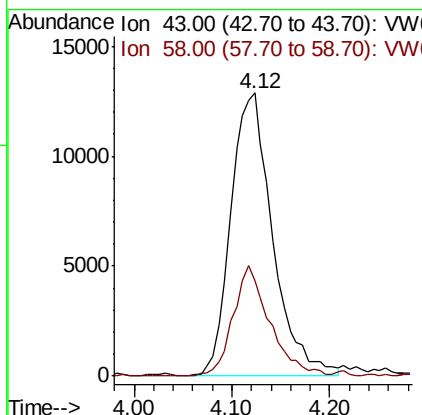
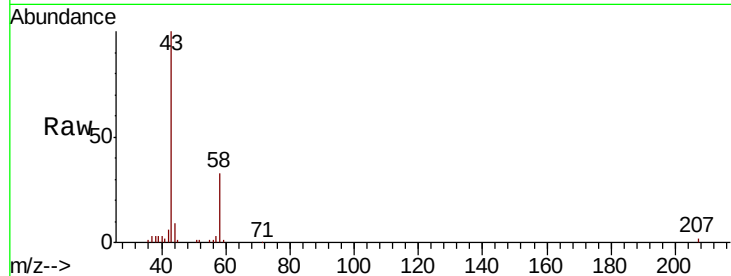




#16
Acetone
Concen: 22.856 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW014585.D
Acq: 09 Jan 2020 16:28

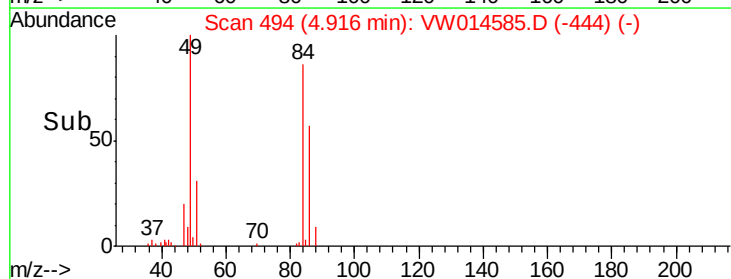
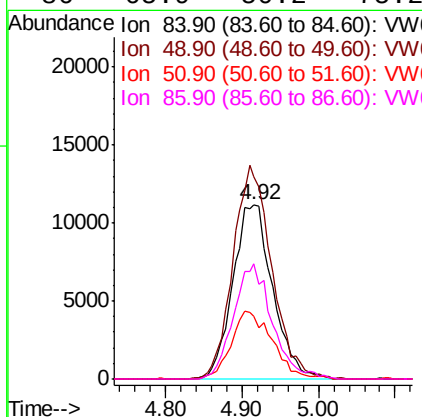
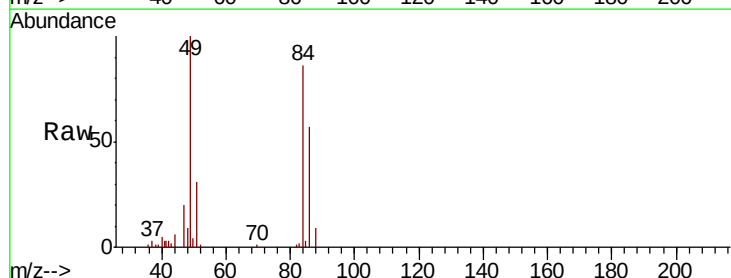
Instrument :
MSVOA_W
ClientSampleId :

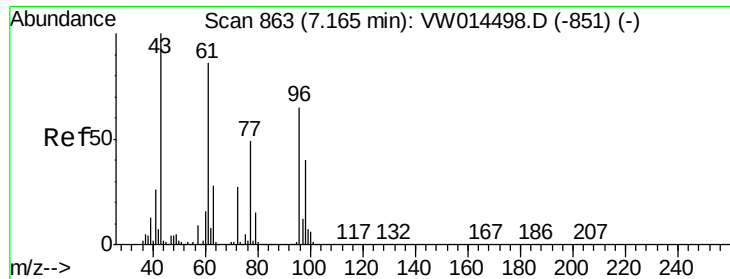
Tot Ion: 43 Resp: 38199
Ion Ratio Lower Upper
43 100
58 33.4 26.6 39.8



#20
Methylene Chloride
Concen: 1.593 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014585.D
Acq: 09 Jan 2020 16:28

Tgt Ion: 84 Resp: 40338
Ion Ratio Lower Upper
84 100
49 116.1 94.4 141.6
51 36.1 29.5 44.3
86 65.9 50.2 75.2





#25

2-Butanone

Concen: 3.360 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014585.D

Acq: 09 Jan 2020 16:28

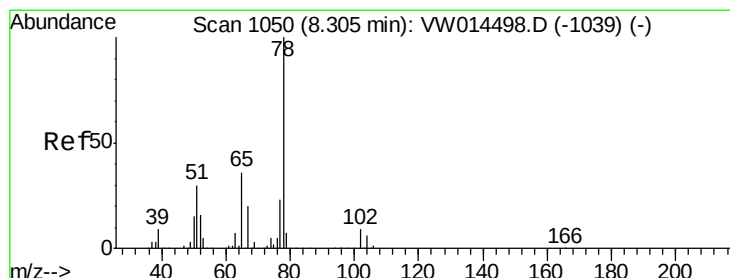
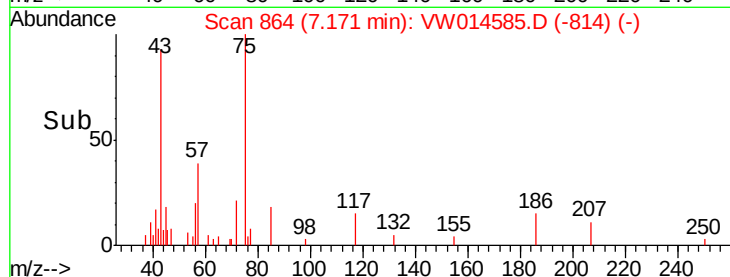
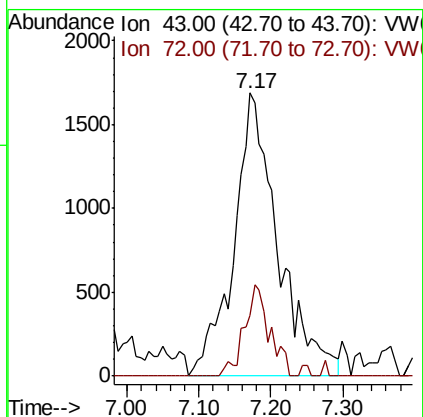
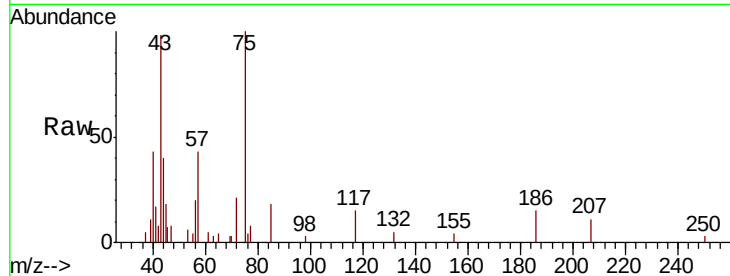
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 7206

Ion Ratio Lower Upper

43 100

72 21.4 21.9 32.9#



#33

1,2-Dichloroethane-d4

Concen: 58.633 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014585.D

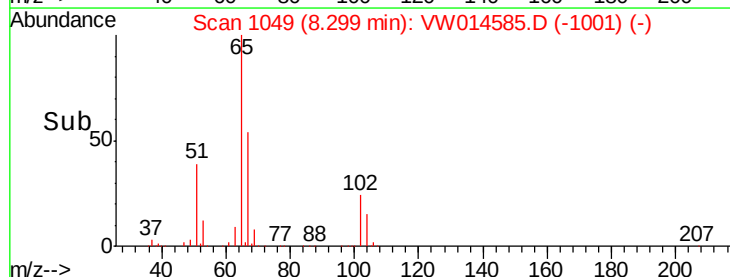
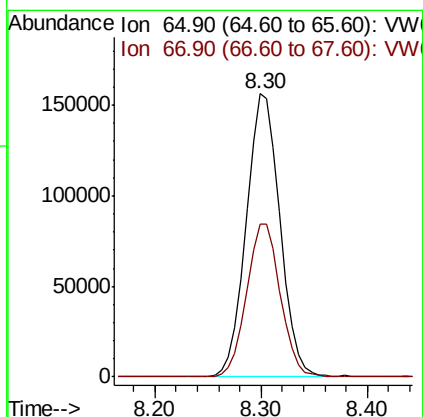
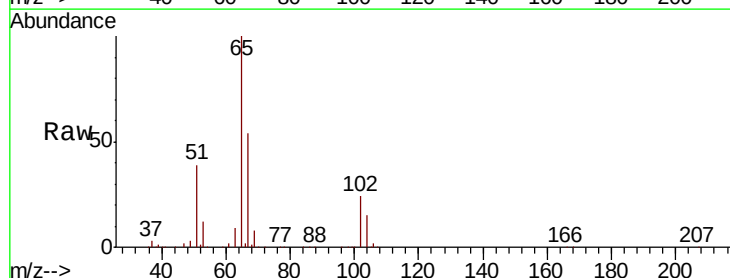
Acq: 09 Jan 2020 16:28

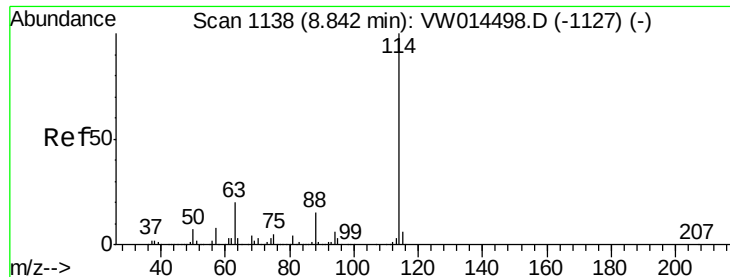
Tgt Ion: 65 Resp: 347042

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: VW014585.D

Acq: 09 Jan 2020 16:28

Instrument :

MSVOA_W

ClientSampleId :

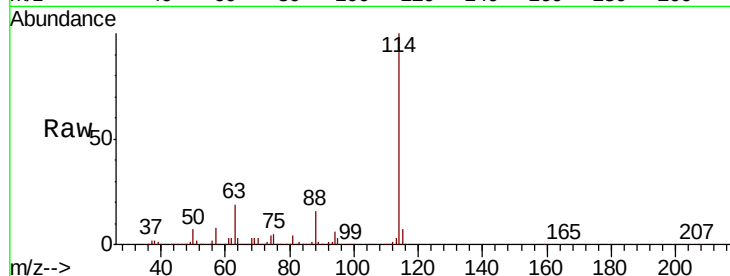
Tot Ion:114 Resp: 1037544

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.4

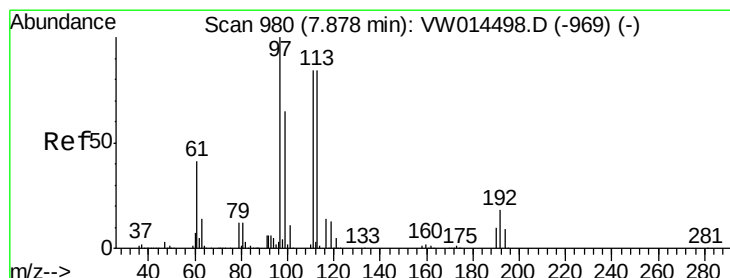
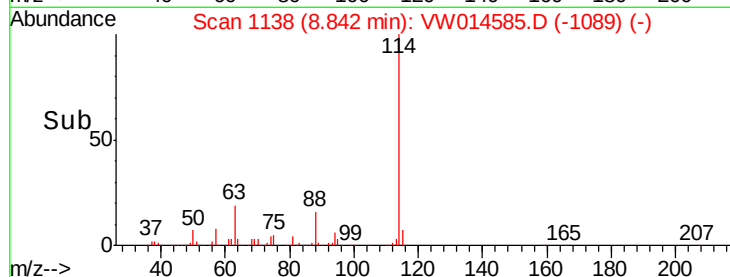
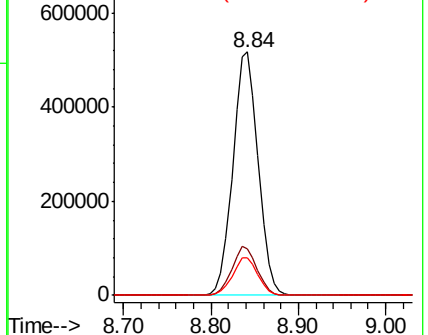
88 15.6 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 61.588 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW014585.D

Acq: 09 Jan 2020 16:28

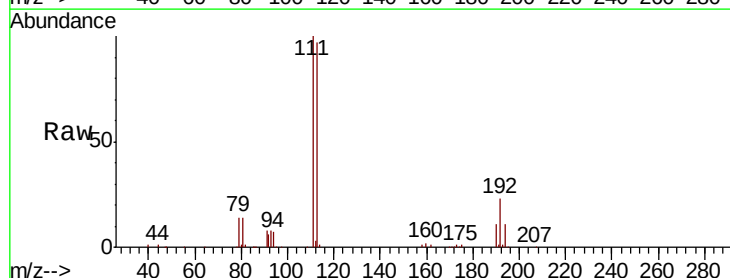
Tgt Ion:113 Resp: 365199

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.2

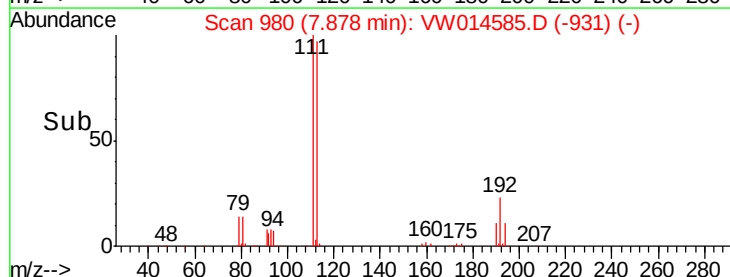
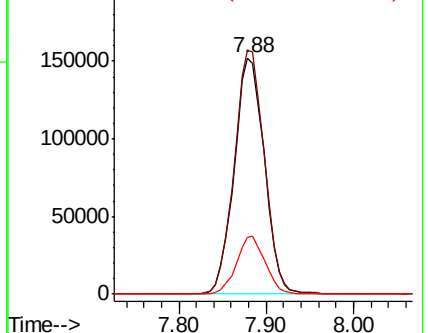
192 23.4 17.8 26.8

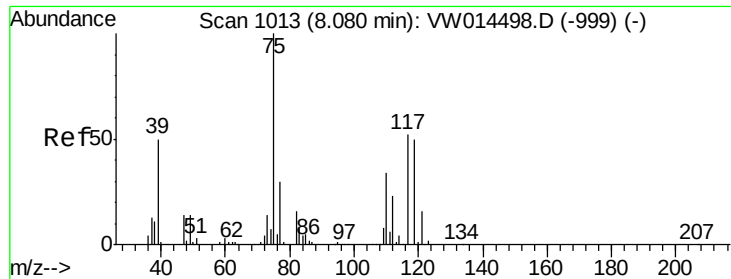


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.696 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW014585.D

Acq: 09 Jan 2020 16:28

Instrument :

MSVOA_W

ClientSampled :

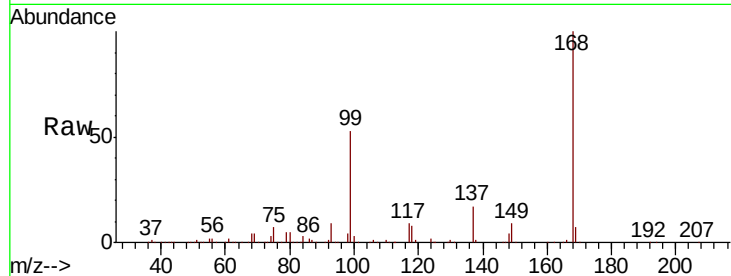
Tot Ion: 75 Resp: 46969

Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.5#

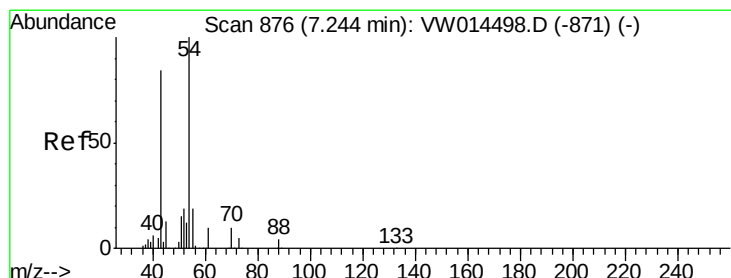
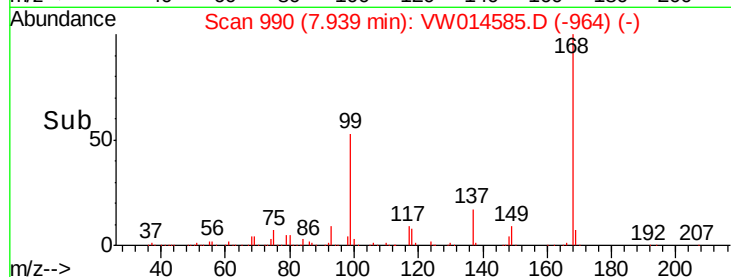
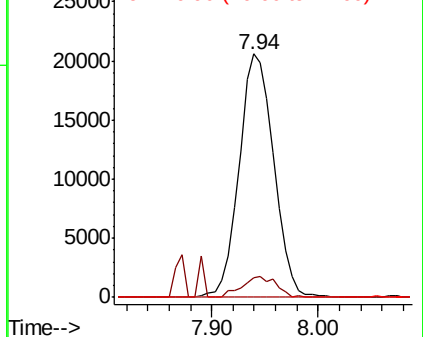
77 0.1 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 1.588 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.07 min

Lab File: VW014585.D

Acq: 09 Jan 2020 16:28

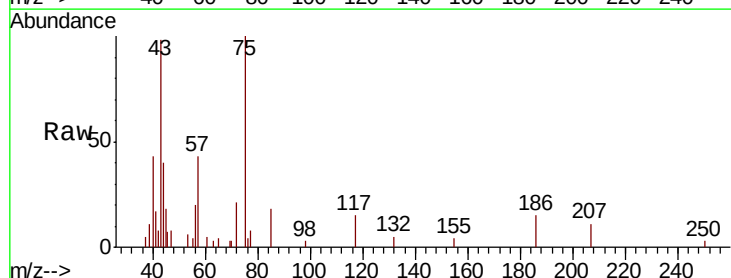
Tgt Ion: 43 Resp: 7206

Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

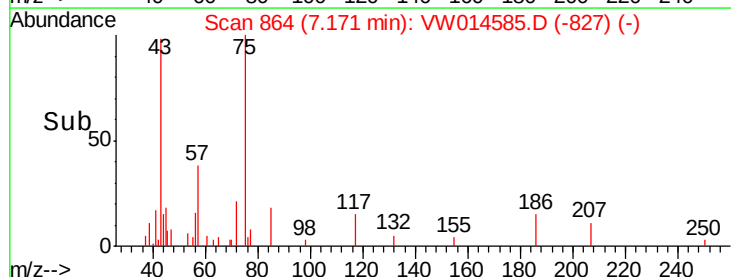
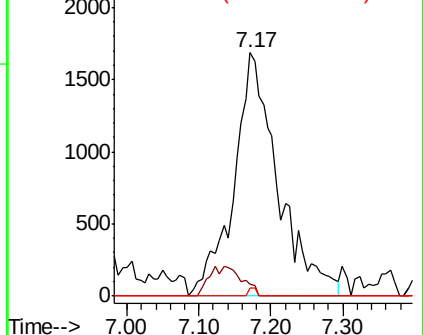
70 0.6 9.0 13.6#

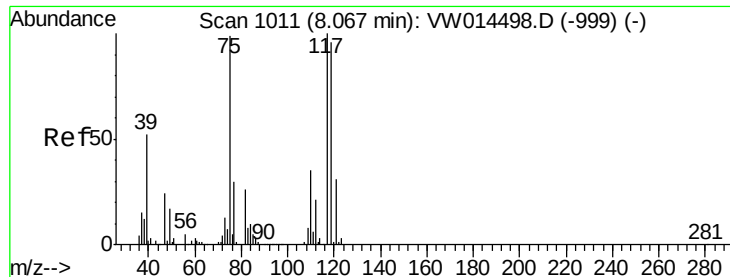


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

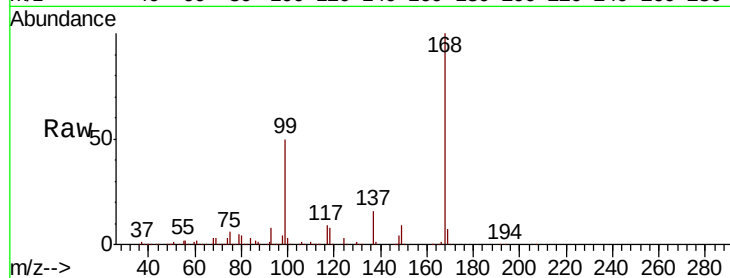




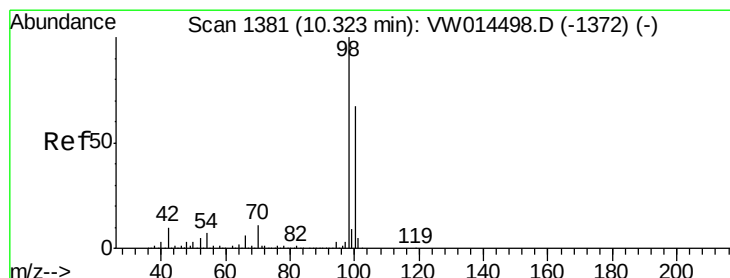
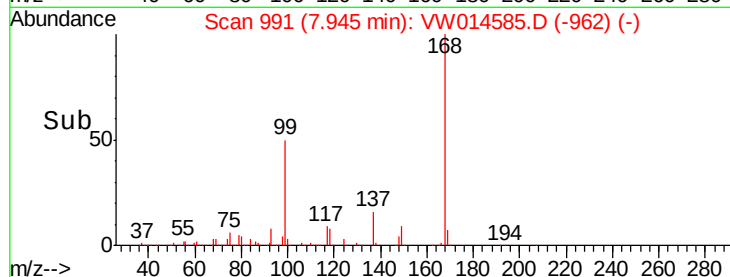
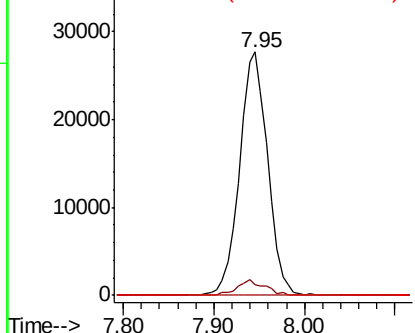
#38
Carbon Tetrachloride
Concen: 6.852 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW014585.D
Acq: 09 Jan 2020 16:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 59461
Ion Ratio Lower Upper
117 100
119 4.4 77.0 115.6#
121 0.0 24.6 36.8#

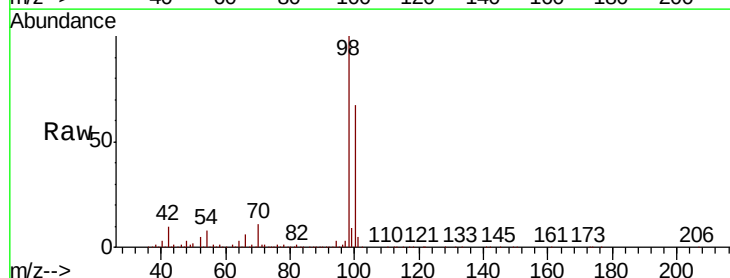


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

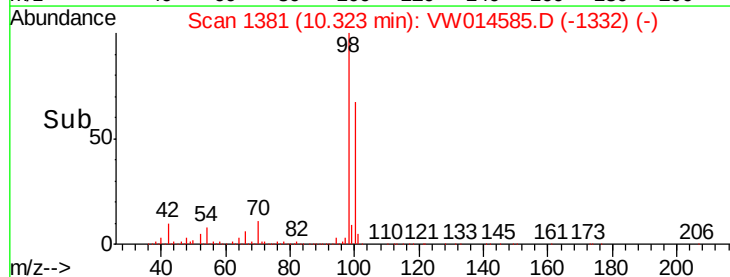
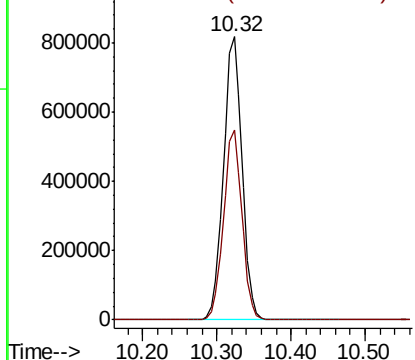


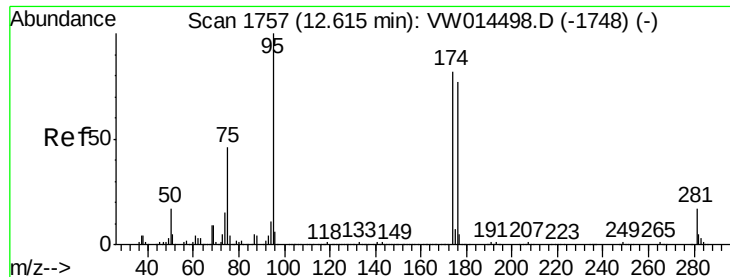
#50
Toluene-d8
Concen: 57.458 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014585.D
Acq: 09 Jan 2020 16:28

Tgt Ion: 98 Resp: 1421865
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

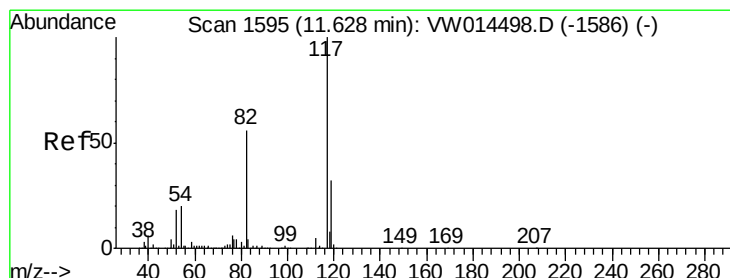
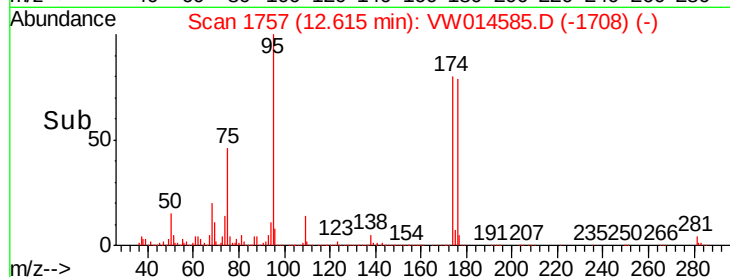
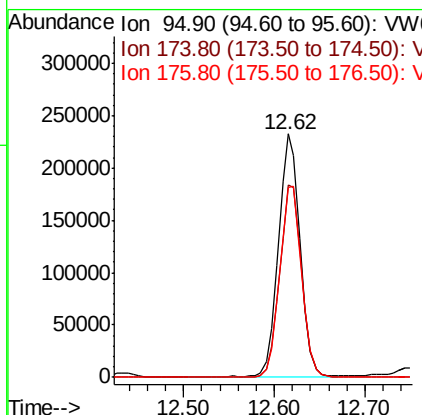
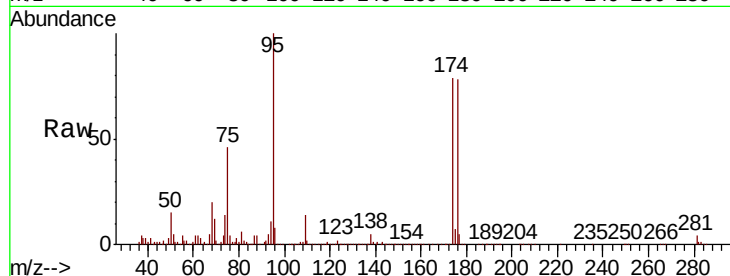




#62
4-Bromofluorobenzene
Concen: 45.229 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014585.D
Acq: 09 Jan 2020 16:28

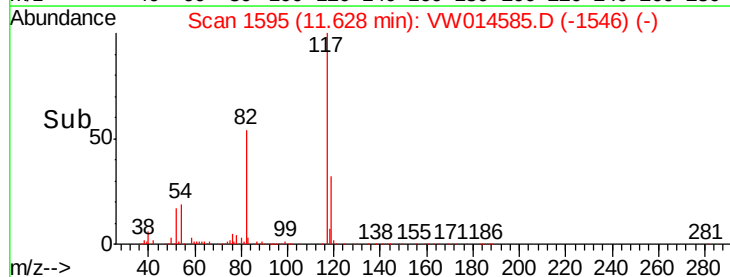
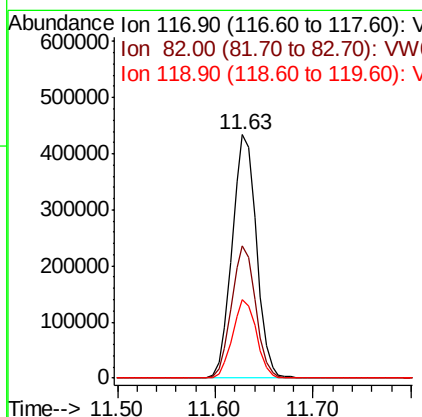
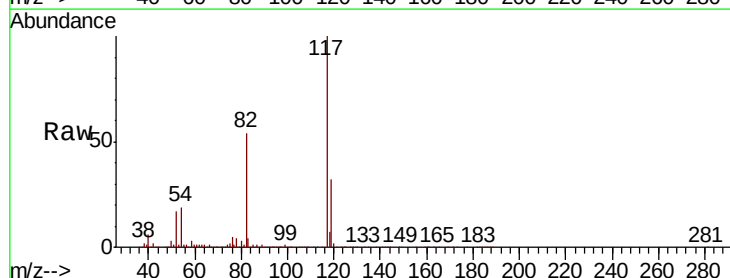
Instrument :
MSVOA_W
ClientSampleId :

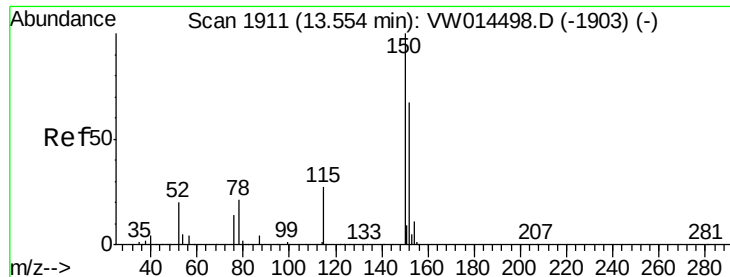
Tot Ion: 95 Resp: 379640
Ion Ratio Lower Upper
95 100
174 80.3 0.0 168.6
176 79.8 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014585.D
Acq: 09 Jan 2020 16:28

Tgt Ion: 117 Resp: 748804
Ion Ratio Lower Upper
117 100
82 54.4 44.6 67.0
119 32.0 25.7 38.5



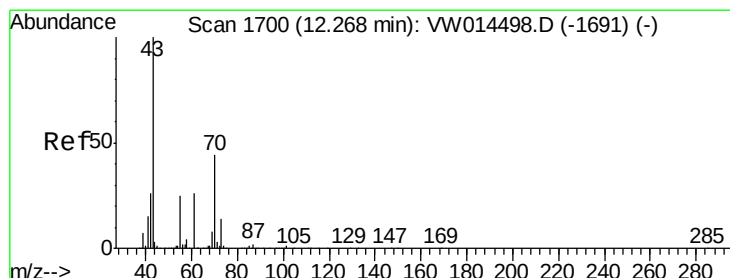
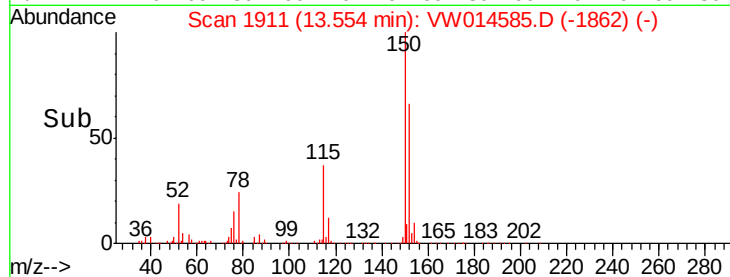
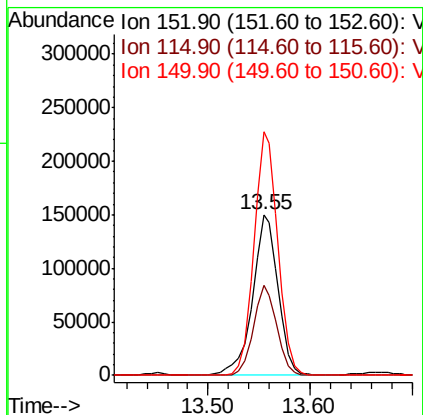
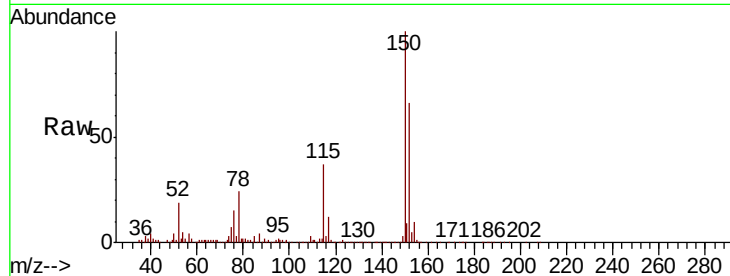


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014585.D
Acq: 09 Jan 2020 16:28

Instrument :
MSVOA_W
ClientSampleId :

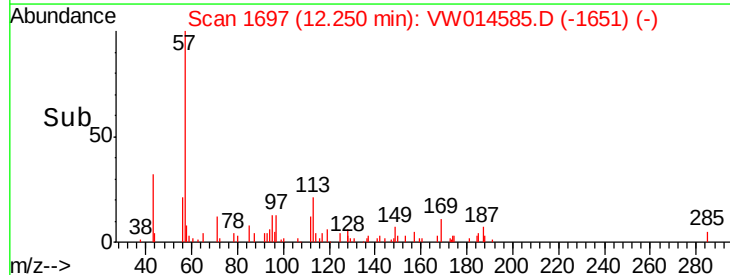
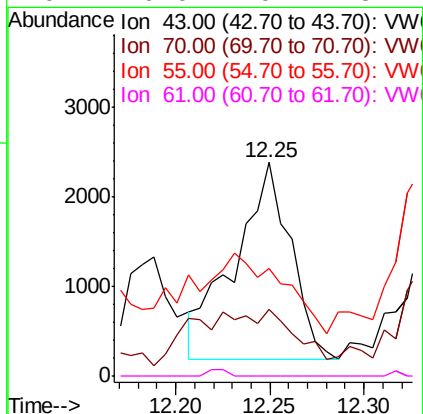
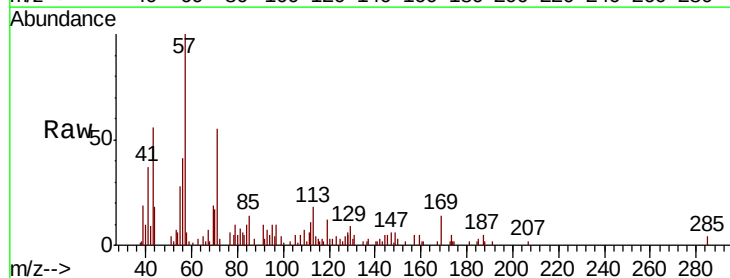
Tot Ion	Ratio	Lower	Upper
152	100		
115	51.0	27.7	83.1
150	142.2	0.0	343.4

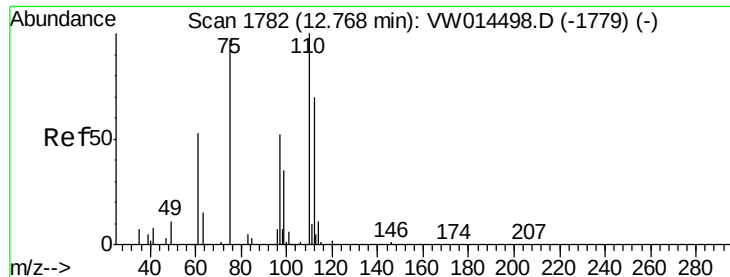


#74

N-ethyl acetate
Concen: 1.053 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW014585.D
Acq: 09 Jan 2020 16:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.5	54.7#
55	0.0	20.9	31.3#
61	0.0	20.7	31.1#



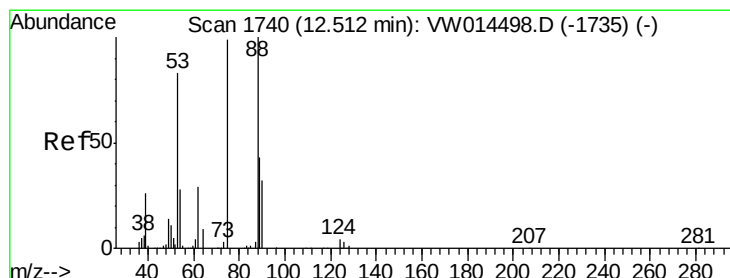
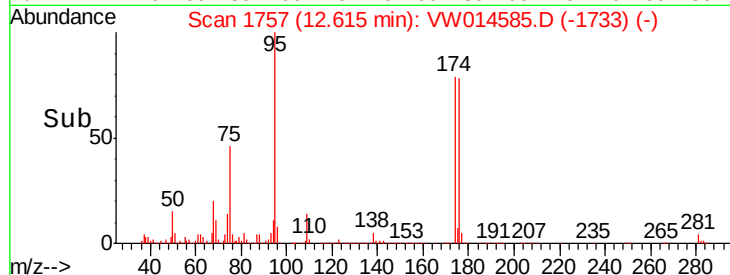
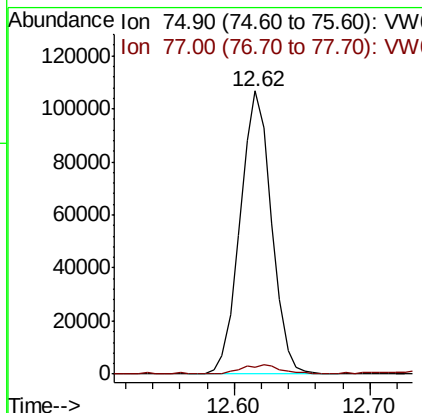
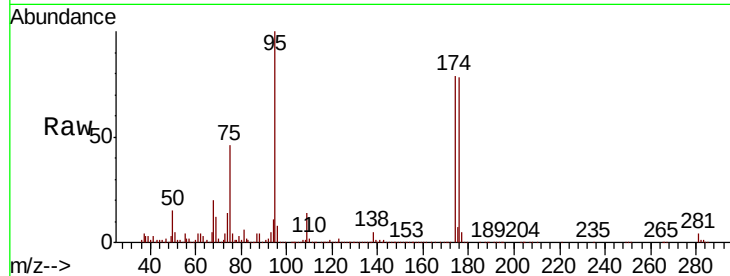


#76

1,2,3-Trichloropropane
Concen: 69.836 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW014585.D
Acq: 09 Jan 2020 16:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 171695
Ion Ratio Lower Upper
75 100
77 3.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 155.597 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW014585.D
Acq: 09 Jan 2020 16:28

Tgt Ion: 75 Resp: 171695
Ion Ratio Lower Upper
75 100
53 3.7 70.9 106.3#
89 0.1 35.8 53.8#

