

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014582.D
 Acq On : 09 Jan 2020 15:10
 Operator : SY/VA
 Sample : L1056-07RE
 Misc : 9.09G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 09 15:55:06 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	733496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1110492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	761127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	234156	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	288226	44.94	ug/l	0.00
Spiked Amount			Recovery	=	89.88%	
35) Dibromofluoromethane	7.88	113	309070	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	10.32	98	1167597	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	
62) 4-Bromofluorobenzene	12.62	95	285582	31.79	ug/l	0.00
Spiked Amount			Recovery	=	63.58%	

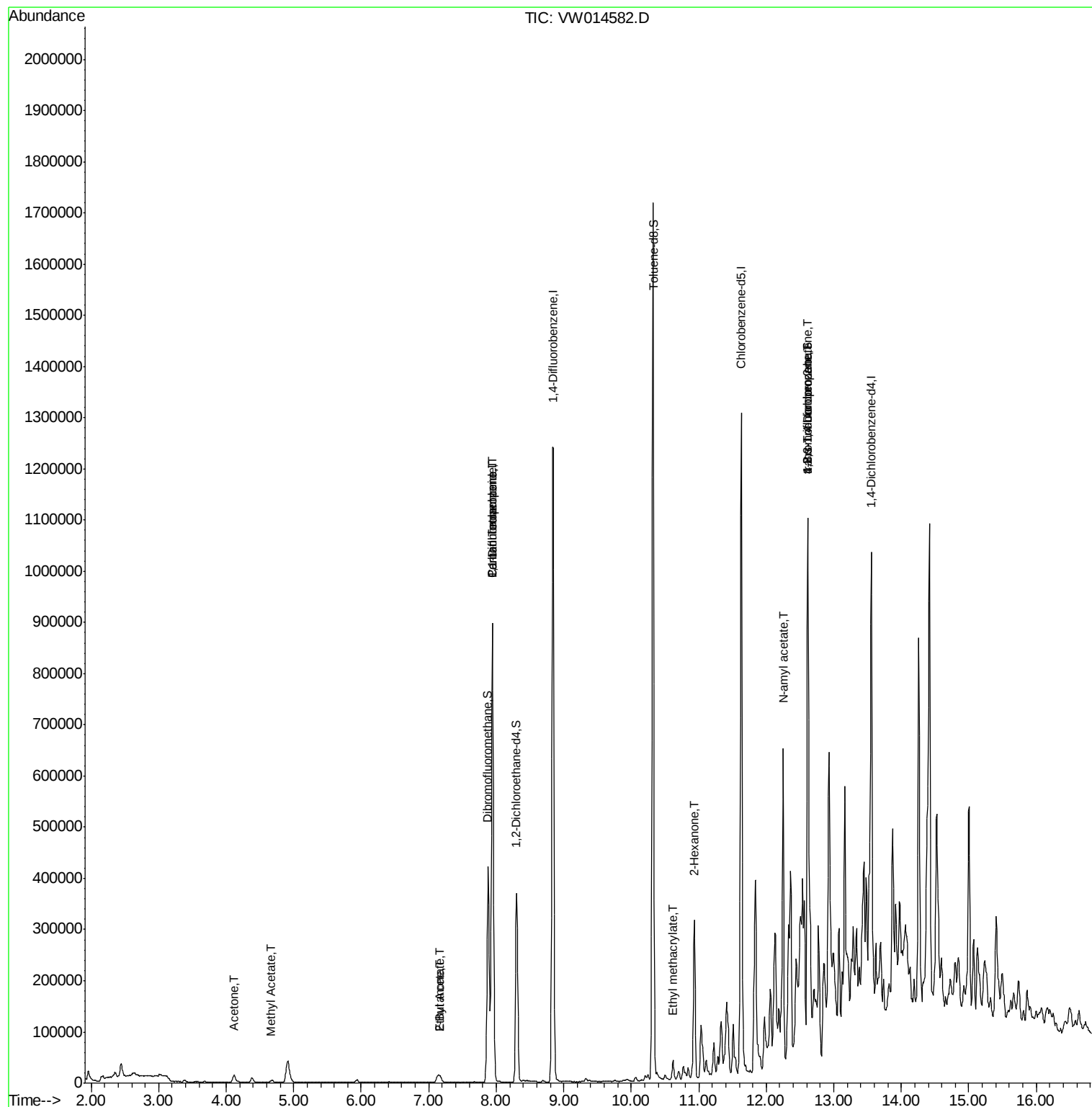
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	1544	Below Cal		98
16) Acetone	4.12	43	24581	13.574	ug/l	96
18) Methyl Acetate	4.67	43	8919	2.039	ug/l #	65
25) 2-Butanone	7.17	43	5636	2.425	ug/l #	86
36) 1,1-Dichloropropene	7.94	75	48312	4.513	ug/l #	49
37) Ethyl Acetate	7.17	43	5636	1.161	ug/l #	1
38) Carbon Tetrachloride	7.95	117	62998	6.783	ug/l #	16
56) Ethyl methacrylate	10.62	69	11538	1.657	ug/l #	81
59) 2-Hexanone	10.93	43	111105	35.215	ug/l #	27
74) N-amyl acetate	12.25	43	129221	33.543	ug/l #	62
76) 1,2,3-Trichloropropane	12.62	75	129978	58.710	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	129978	130.808	ug/l #	19

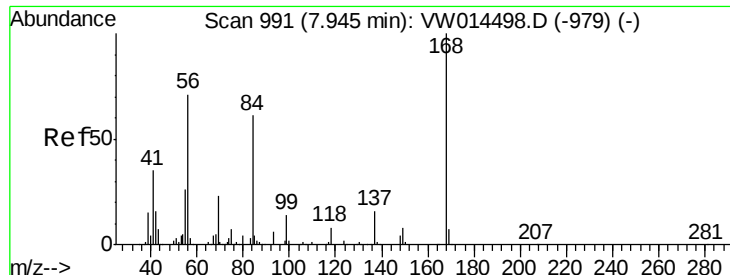
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW014582.D

Acq: 09 Jan 2020 15:10

Instrument :

MSVOA_W

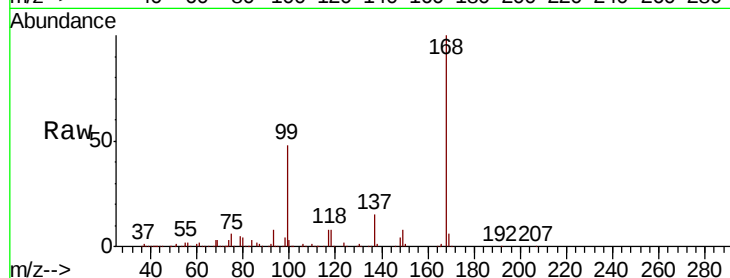
ClientSampled :

Tot Ion:168 Resp: 733496

Ion Ratio Lower Upper

168 100

99 48.3 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

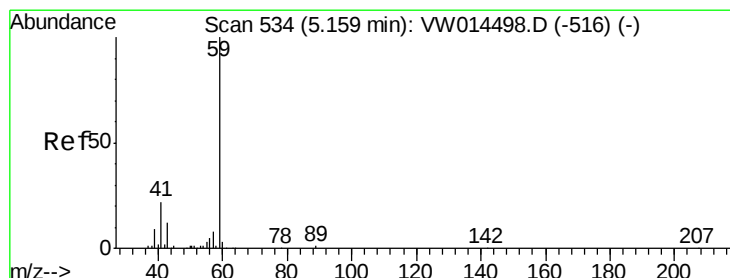
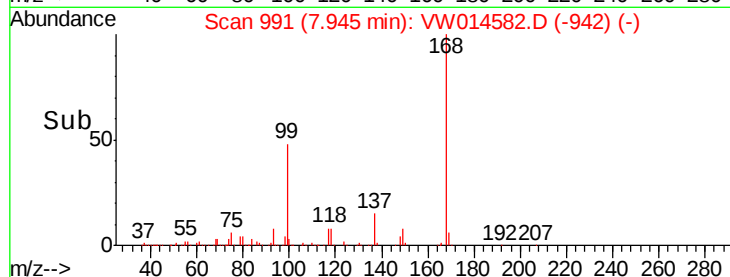
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. 0.01 min

Lab File: VW014582.D

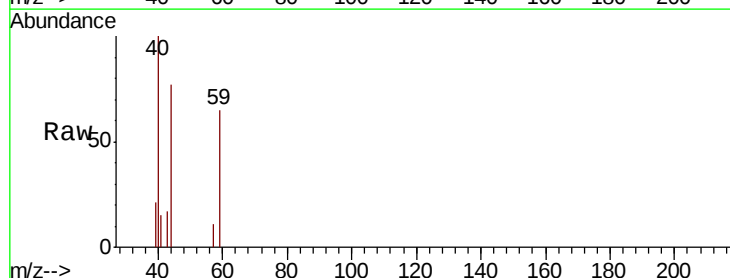
Acq: 09 Jan 2020 15:10

Tgt Ion: 59 Resp: 1544

Ion Ratio Lower Upper

59 100

57 10.5 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

500

400

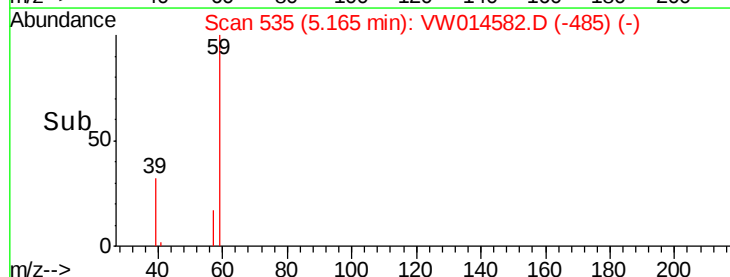
300

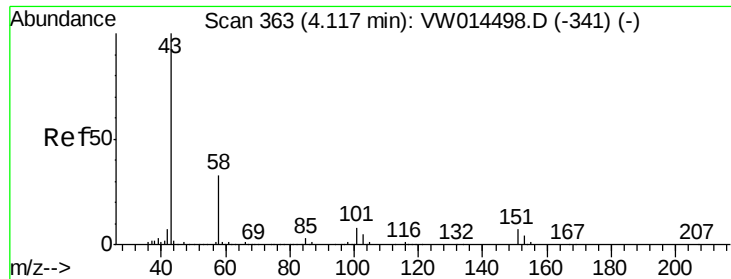
200

100

0

Time--> 5.05 5.10 5.15 5.20 5.25





#16

Acetone

Concen: 13.574 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014582.D

Acq: 09 Jan 2020 15:10

Instrument :

MSVOA_W

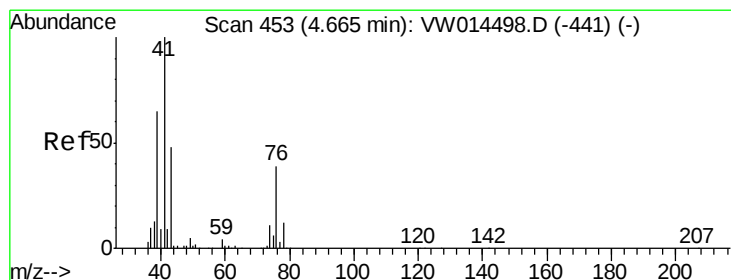
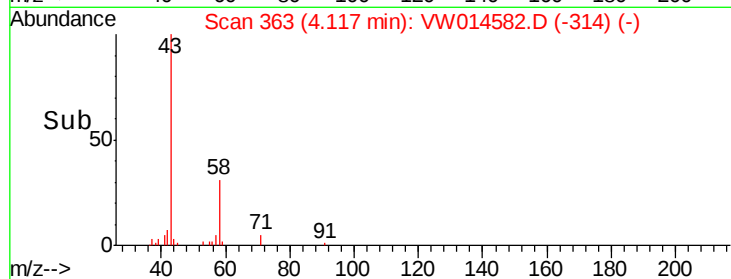
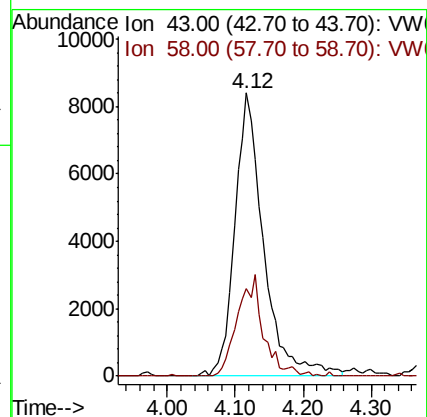
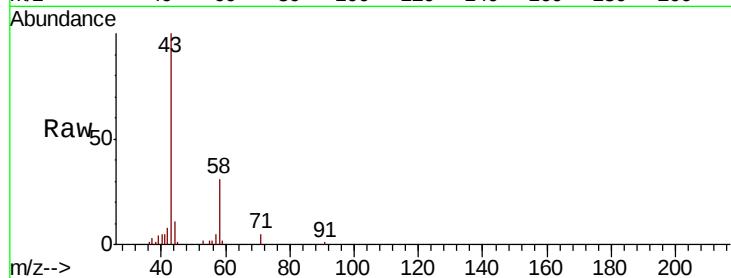
ClientSampleId :

Tot Ion: 43 Resp: 24581

Ion Ratio Lower Upper

43 100

58 30.9 26.6 39.8



#18

Methyl Acetate

Concen: 2.039 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014582.D

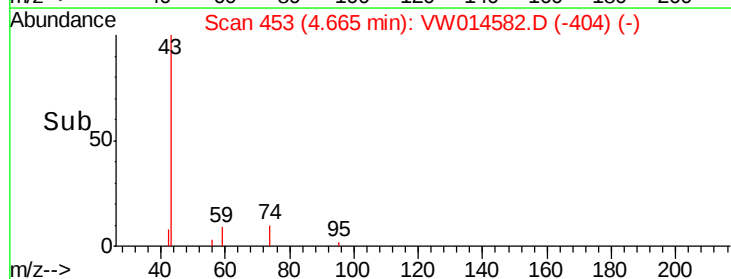
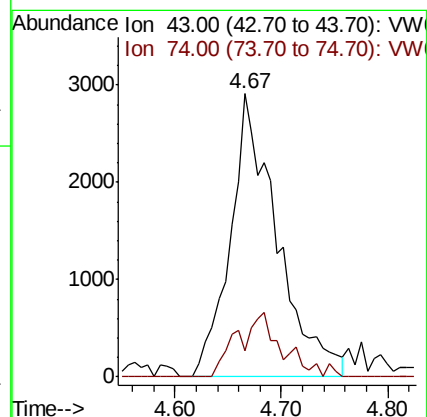
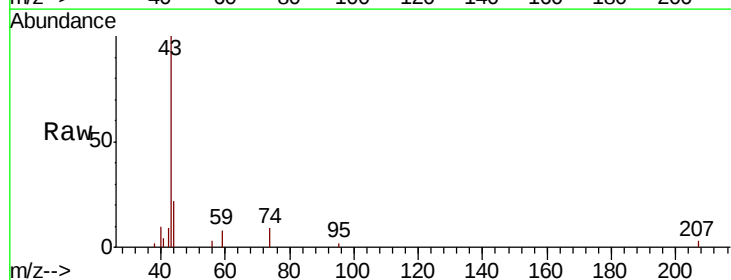
Acq: 09 Jan 2020 15:10

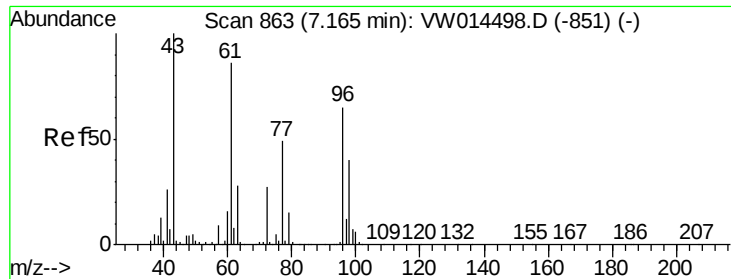
Tgt Ion: 43 Resp: 8919

Ion Ratio Lower Upper

43 100

74 6.7 19.3 28.9#

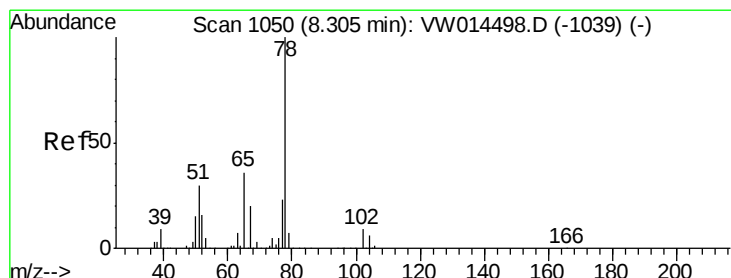
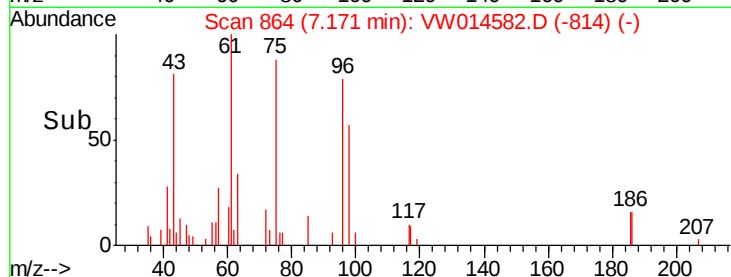
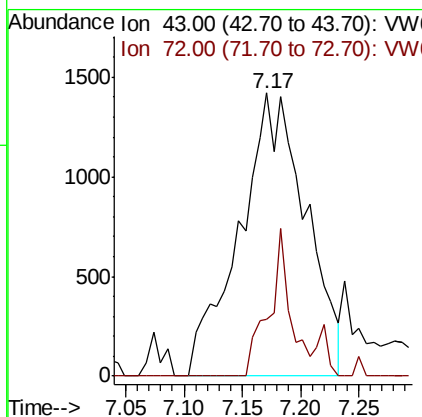
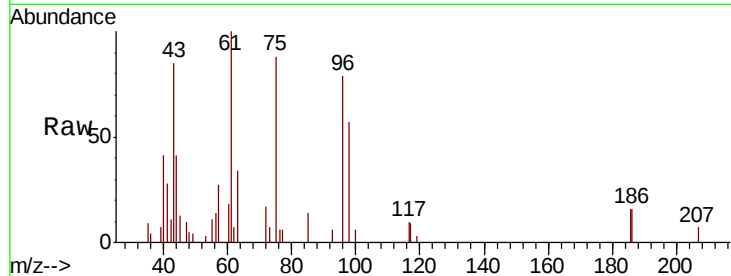




#25
2-Butanone
Concen: 2.425 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW014582.D
Acq: 09 Jan 2020 15:10

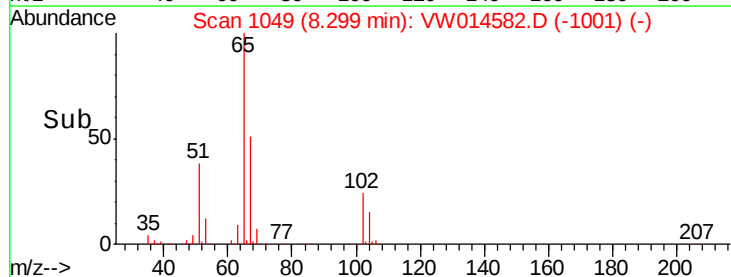
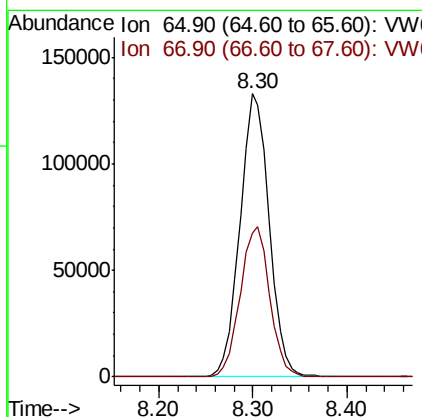
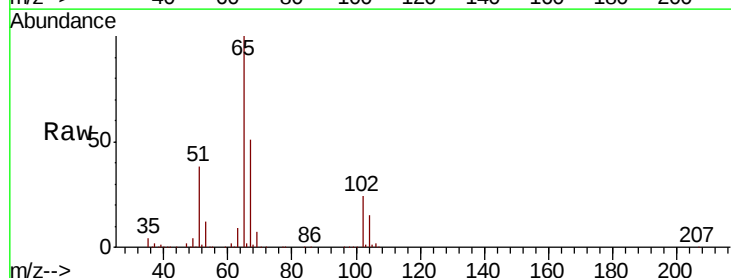
Instrument :
MSVOA_W
ClientSampleId :

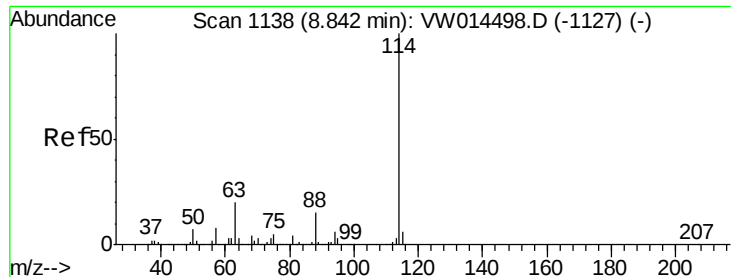
Tot Ion: 43 Resp: 5636
Ion Ratio Lower Upper
43 100
72 19.8 21.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 44.944 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW014582.D
Acq: 09 Jan 2020 15:10

Tgt Ion: 65 Resp: 288226
Ion Ratio Lower Upper
65 100
67 53.8 0.0 108.4

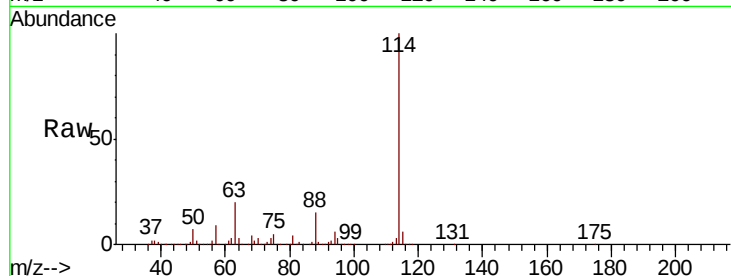




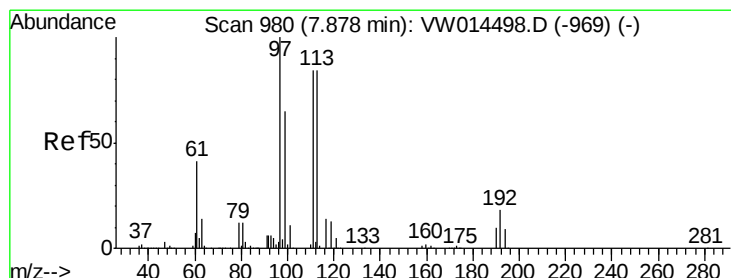
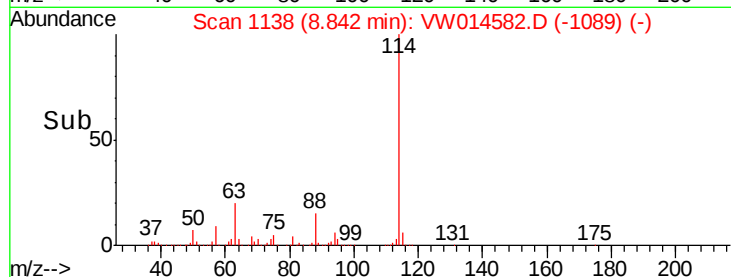
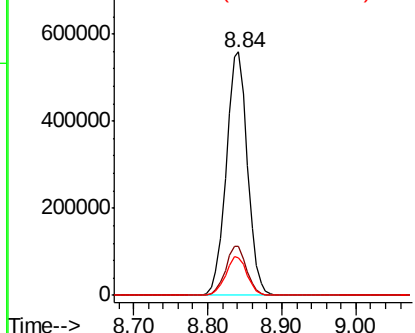
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014582.D
 Acq: 09 Jan 2020 15:10

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 1110492
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.4
 88 15.5 0.0 30.6

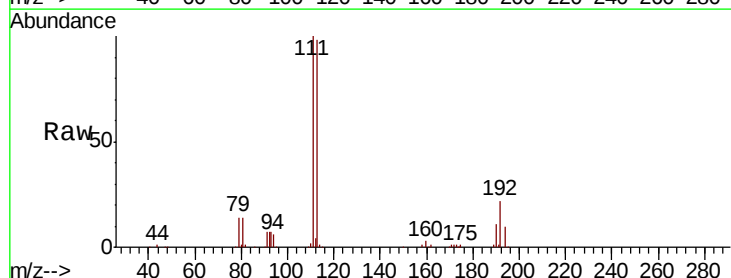


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

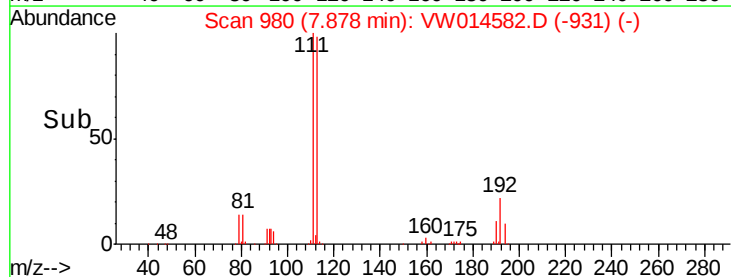
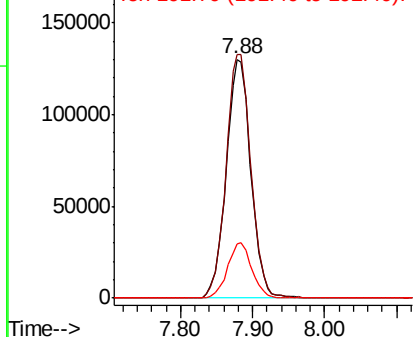


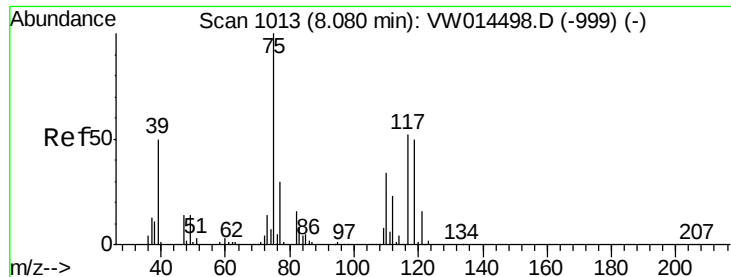
#35
 Dibromofluoromethane
 Concen: 48.698 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014582.D
 Acq: 09 Jan 2020 15:10

Tgt Ion:113 Resp: 309070
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.4 122.2
 192 22.8 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

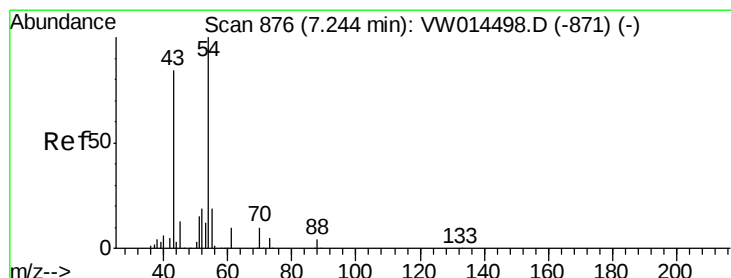
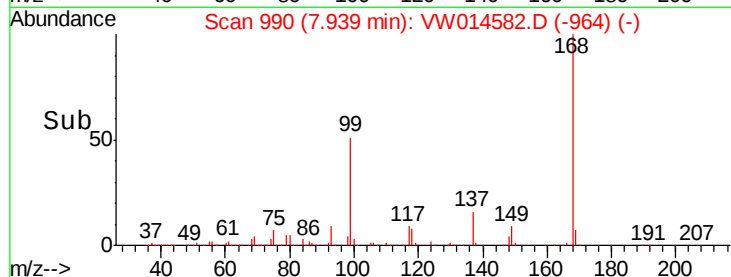
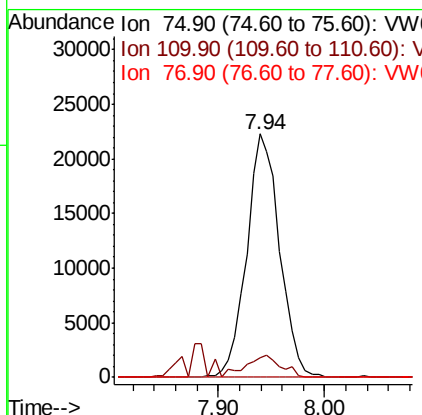
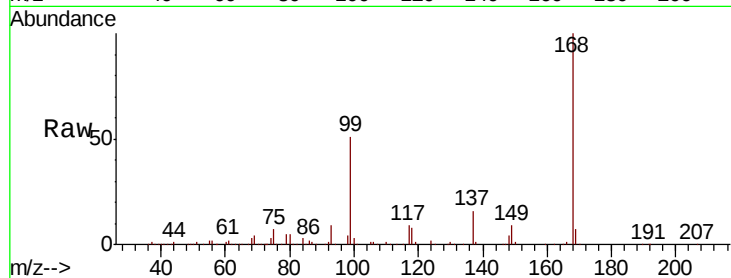




#36
 1,1-Dichloropropene
 Concen: 4.513 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014582.D
 Acq: 09 Jan 2020 15:10

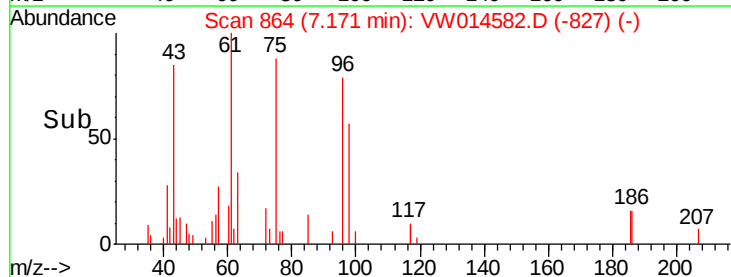
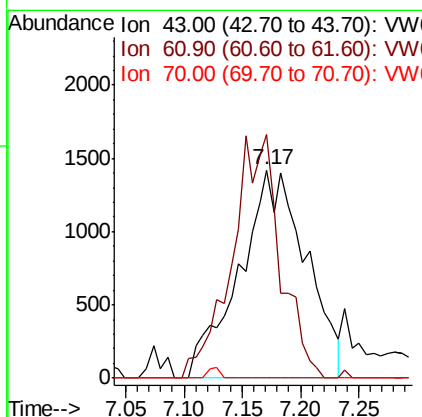
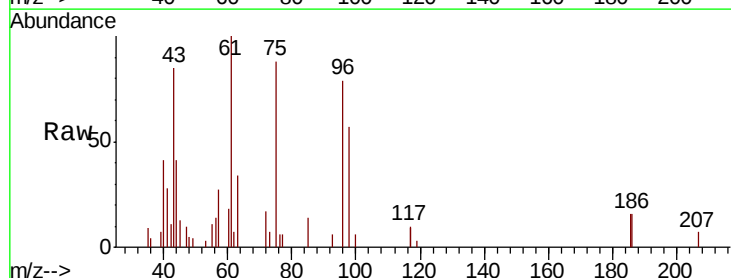
Instrument :
 MSVOA_W
 ClientSampleId :

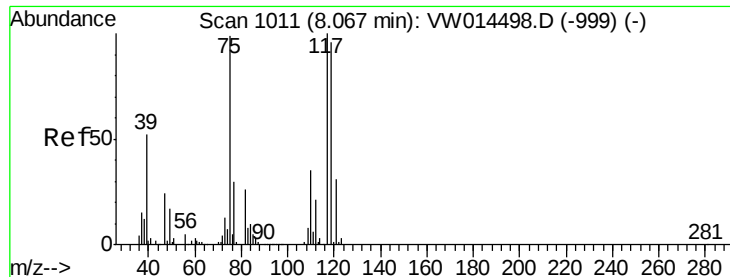
Tot Ion: 75 Resp: 48312
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.8 53.5#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 1.161 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.07 min
 Lab File: VW014582.D
 Acq: 09 Jan 2020 15:10

Tgt Ion: 43 Resp: 5636
 Ion Ratio Lower Upper
 43 100
 61 85.0 11.7 17.5#
 70 0.0 9.0 13.6#

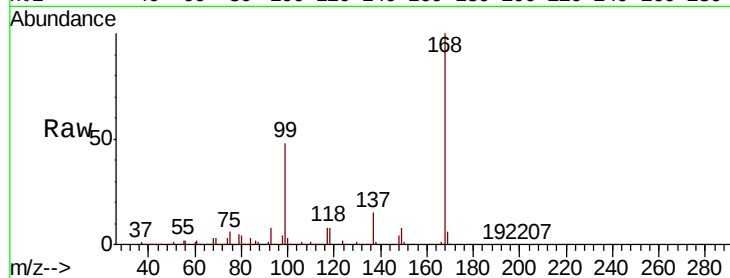




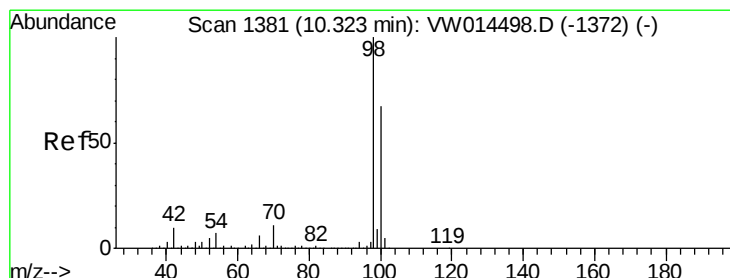
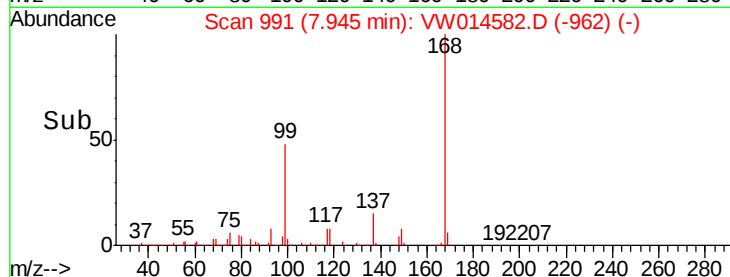
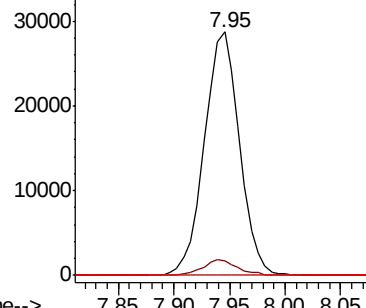
#38
Carbon Tetrachloride
Concen: 6.783 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW014582.D
Acq: 09 Jan 2020 15:10

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 62998
Ion Ratio Lower Upper
117 100
119 5.7 77.0 115.6#
121 0.0 24.6 36.8#

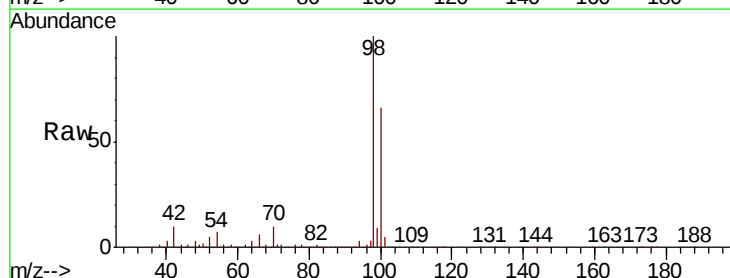


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

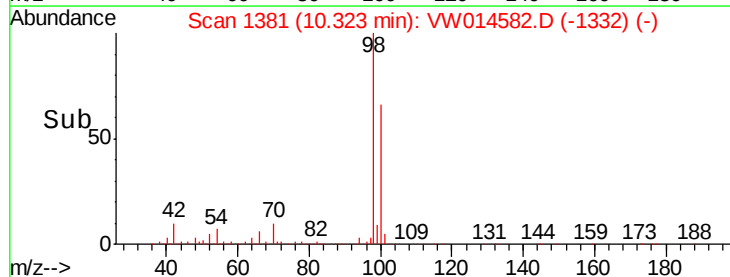
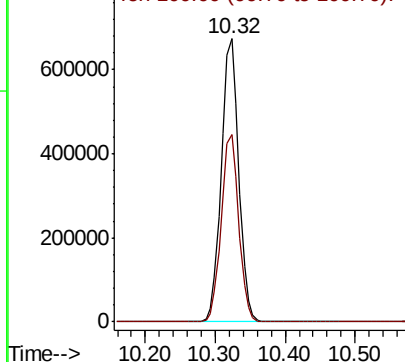


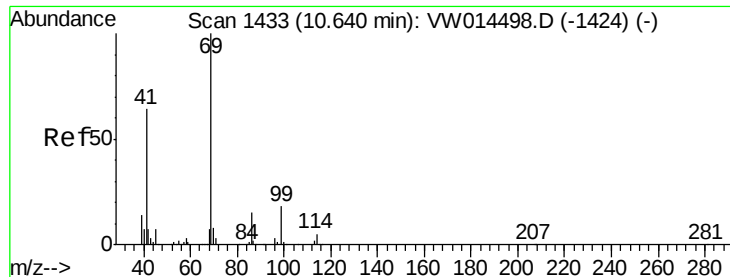
#50
Toluene-d8
Concen: 44.083 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014582.D
Acq: 09 Jan 2020 15:10

Tgt Ion: 98 Resp: 1167597
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): V





#56

Ethyl methacrylate

Concen: 1.657 ug/l

RT: 10.62 min Scan# 1429

Delta R.T. -0.02 min

Lab File: VW014582.D

Acq: 09 Jan 2020 15:10

Instrument :

MSVOA_W

ClientSampleId :

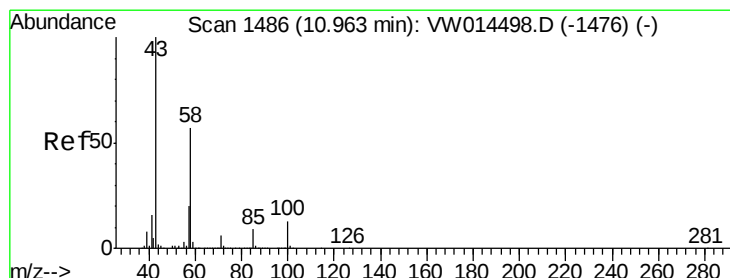
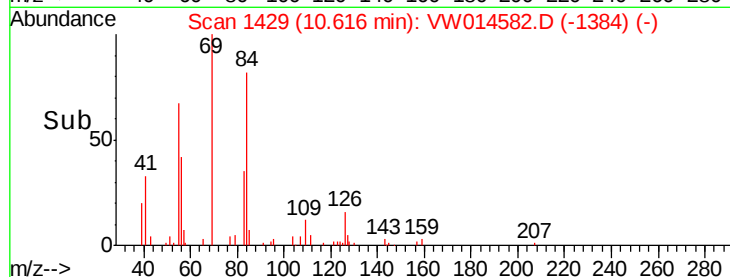
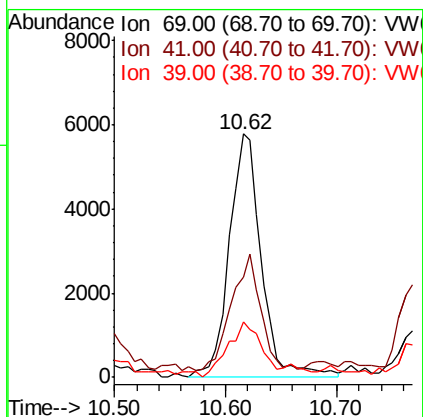
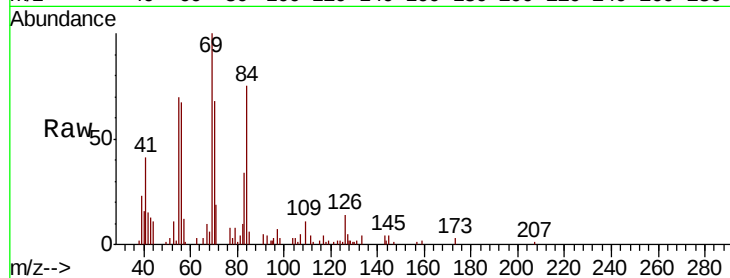
Tot Ion: 69 Resp: 11538

Ion Ratio Lower Upper

69 100

41 44.2 51.3 76.9#

39 24.2 21.0 31.6



#59

2-Hexanone

Concen: 35.215 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.03 min

Lab File: VW014582.D

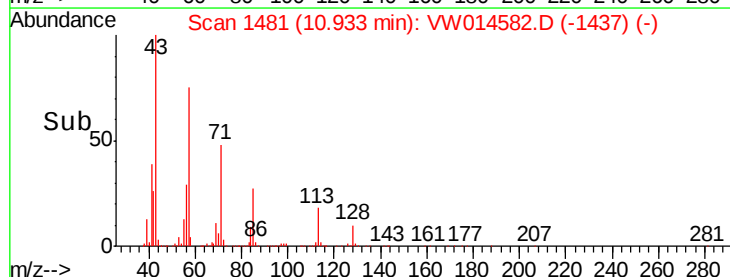
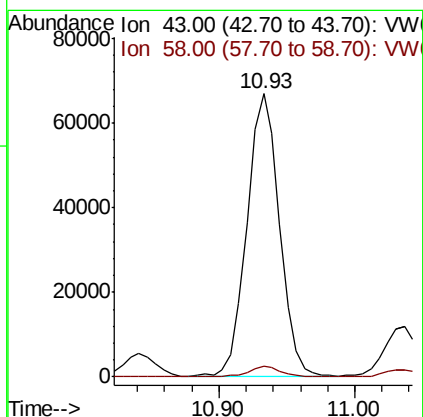
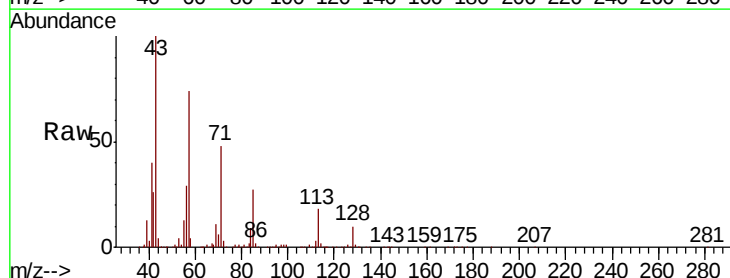
Acq: 09 Jan 2020 15:10

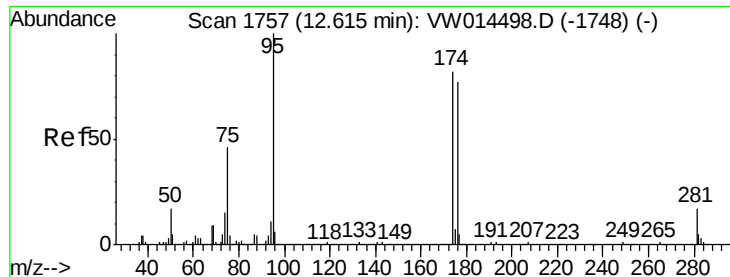
Tgt Ion: 43 Resp: 111105

Ion Ratio Lower Upper

43 100

58 3.7 28.7 86.3#

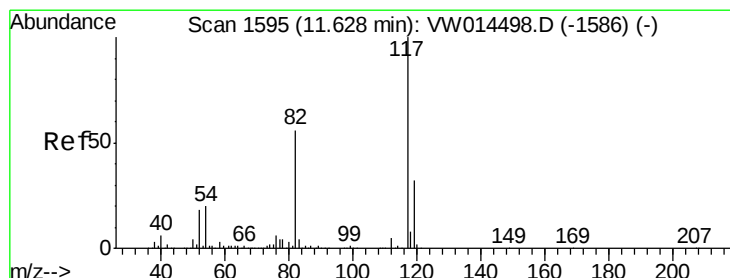
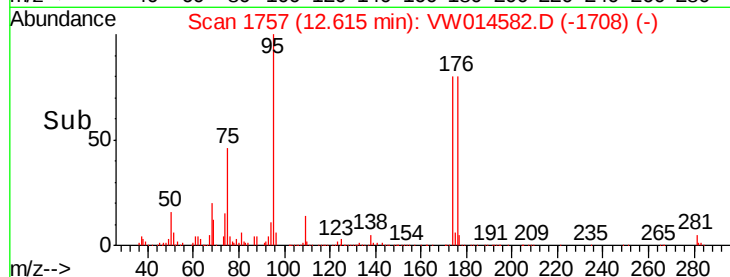
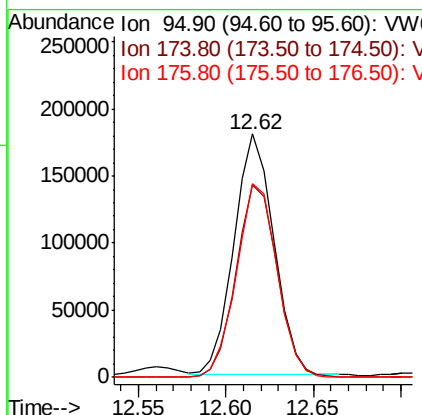
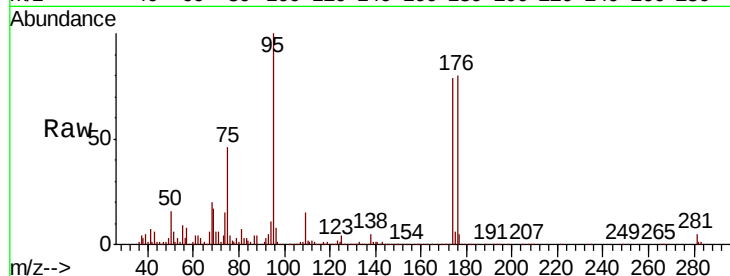




#62
4-Bromofluorobenzene
Concen: 31.789 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014582.D
Acq: 09 Jan 2020 15:10

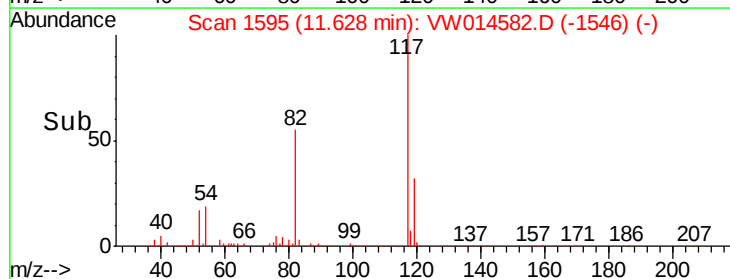
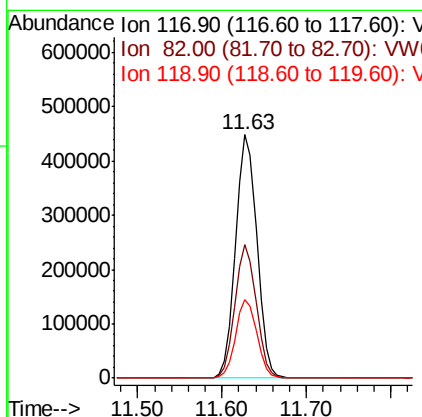
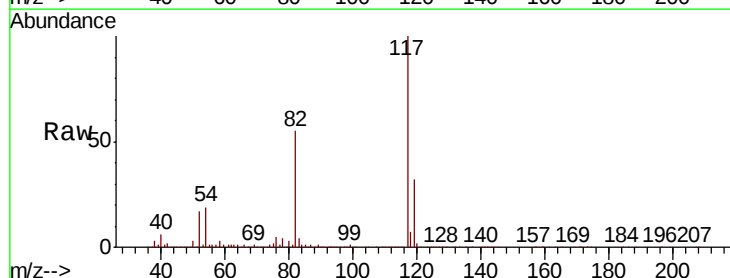
Instrument :
MSVOA_W
ClientSampleId :

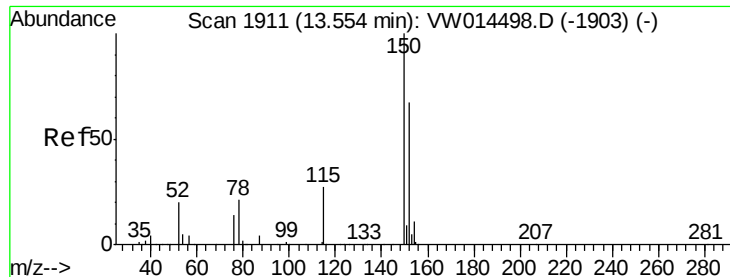
Tot Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	168.6
176	82.1	0.0	162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014582.D
Acq: 09 Jan 2020 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.6	67.0
119	32.0	25.7	38.5



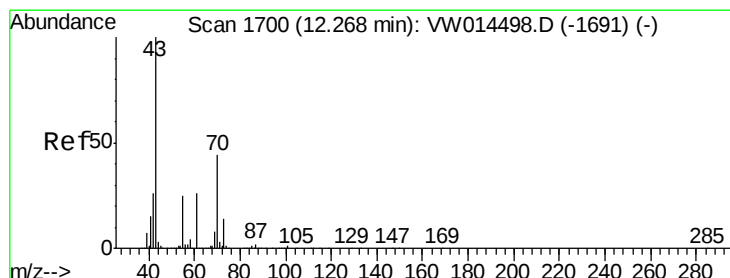
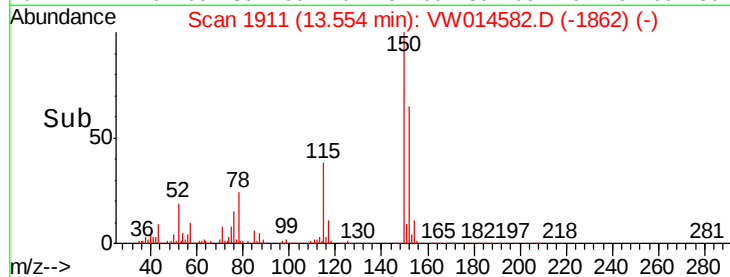
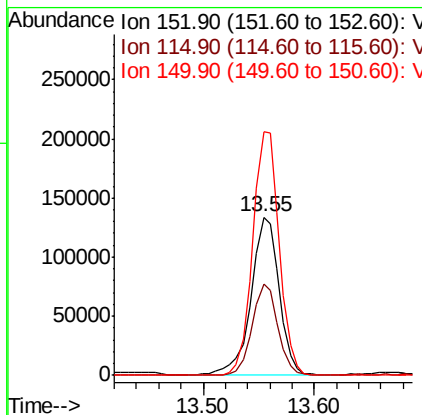
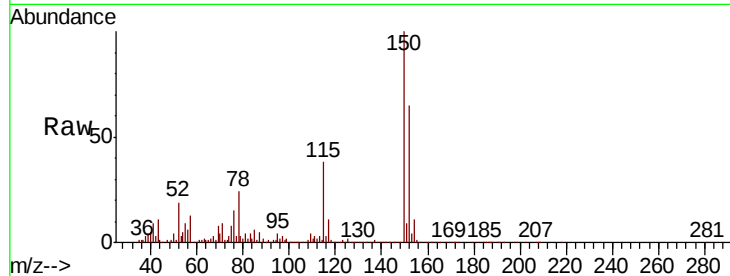


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014582.D
Acq: 09 Jan 2020 15:10

Instrument :
MSVOA_W
ClientSampleId :

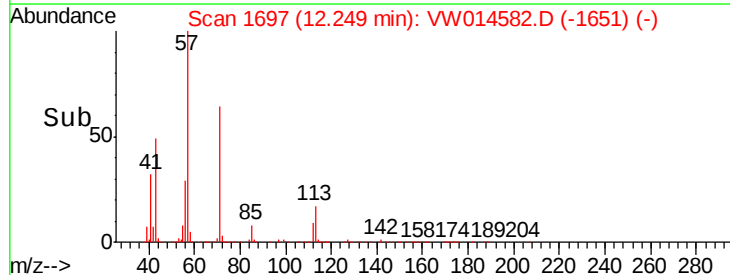
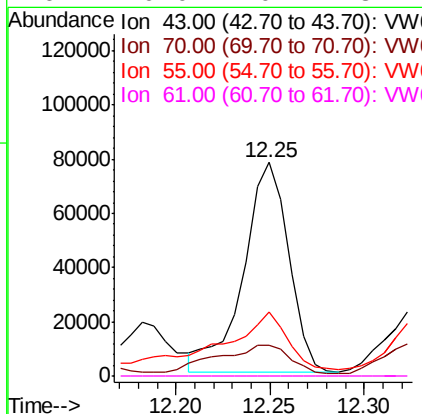
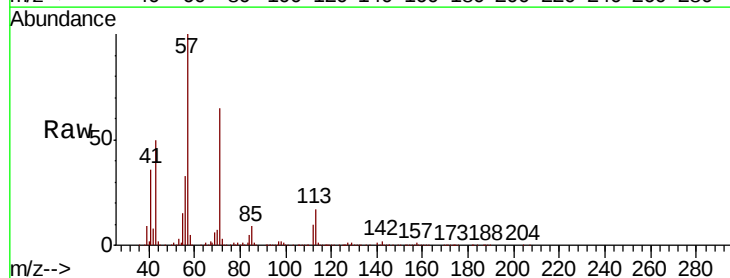
Tot Ion	Ratio	Lower	Upper
152	100		
115	52.5	27.7	83.1
150	145.3	0.0	343.4

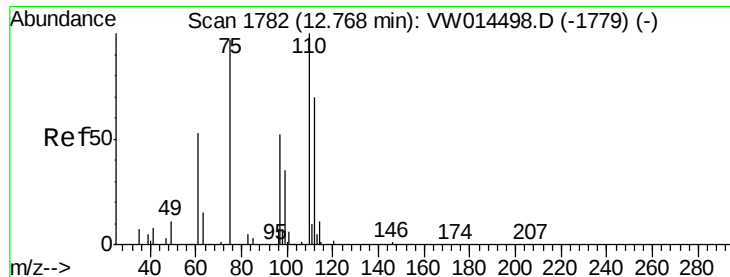


#74

N-ethyl acetate
Concen: 33.543 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW014582.D
Acq: 09 Jan 2020 15:10

Tgt Ion	Ratio	Lower	Upper
43	100		
70	20.9	36.5	54.7#
55	39.7	20.9	31.3#
61	0.0	20.7	31.1#





#76

1,2,3-Trichloropropane

Concen: 58.710 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014582.D

Acq: 09 Jan 2020 15:10

Instrument :

MSVOA_W

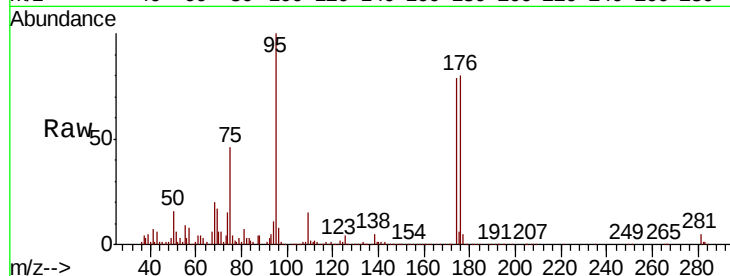
ClientSampled :

Tot Ion: 75 Resp: 129978

Ion Ratio Lower Upper

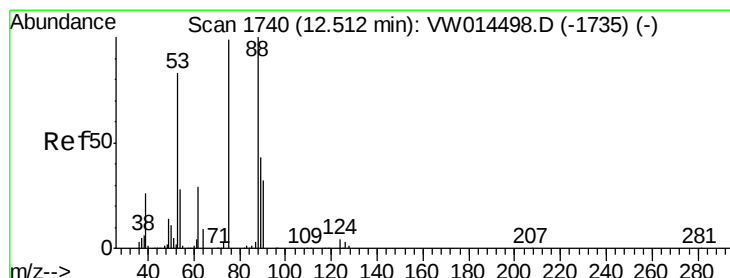
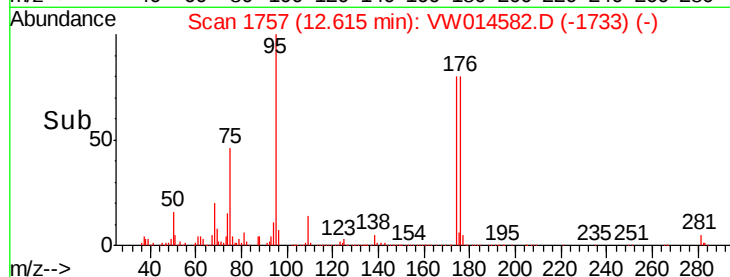
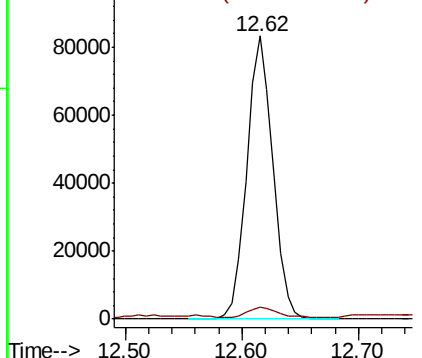
75 100

77 3.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 130.808 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014582.D

Acq: 09 Jan 2020 15:10

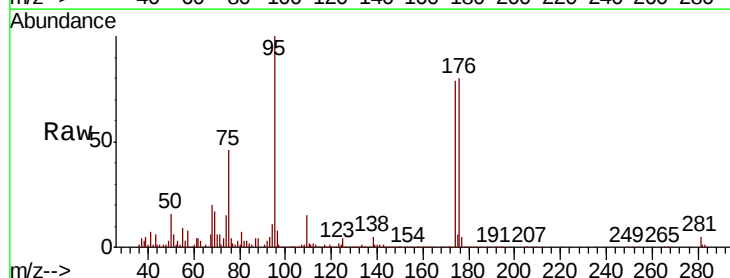
Tgt Ion: 75 Resp: 129978

Ion Ratio Lower Upper

75 100

53 6.7 70.9 106.3#

89 0.1 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

