

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041520\
 Data File : VW015213.D
 Acq On : 15 Apr 2020 20:08
 Operator : SY/VA
 Sample : L2243-15
 Misc : 7.01G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 16 04:27:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 14:44:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	346035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	588713	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	480838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	193225	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	212790	65.03	ug/l	0.00
Spiked Amount			Recovery	=	130.06%	
35) Dibromofluoromethane	7.88	113	197701	60.73	ug/l	0.00
Spiked Amount			Recovery	=	121.46%	
50) Toluene-d8	10.32	98	782845	59.19	ug/l	0.00
Spiked Amount			Recovery	=	118.38%	
62) 4-Bromofluorobenzene	12.62	95	243840	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	

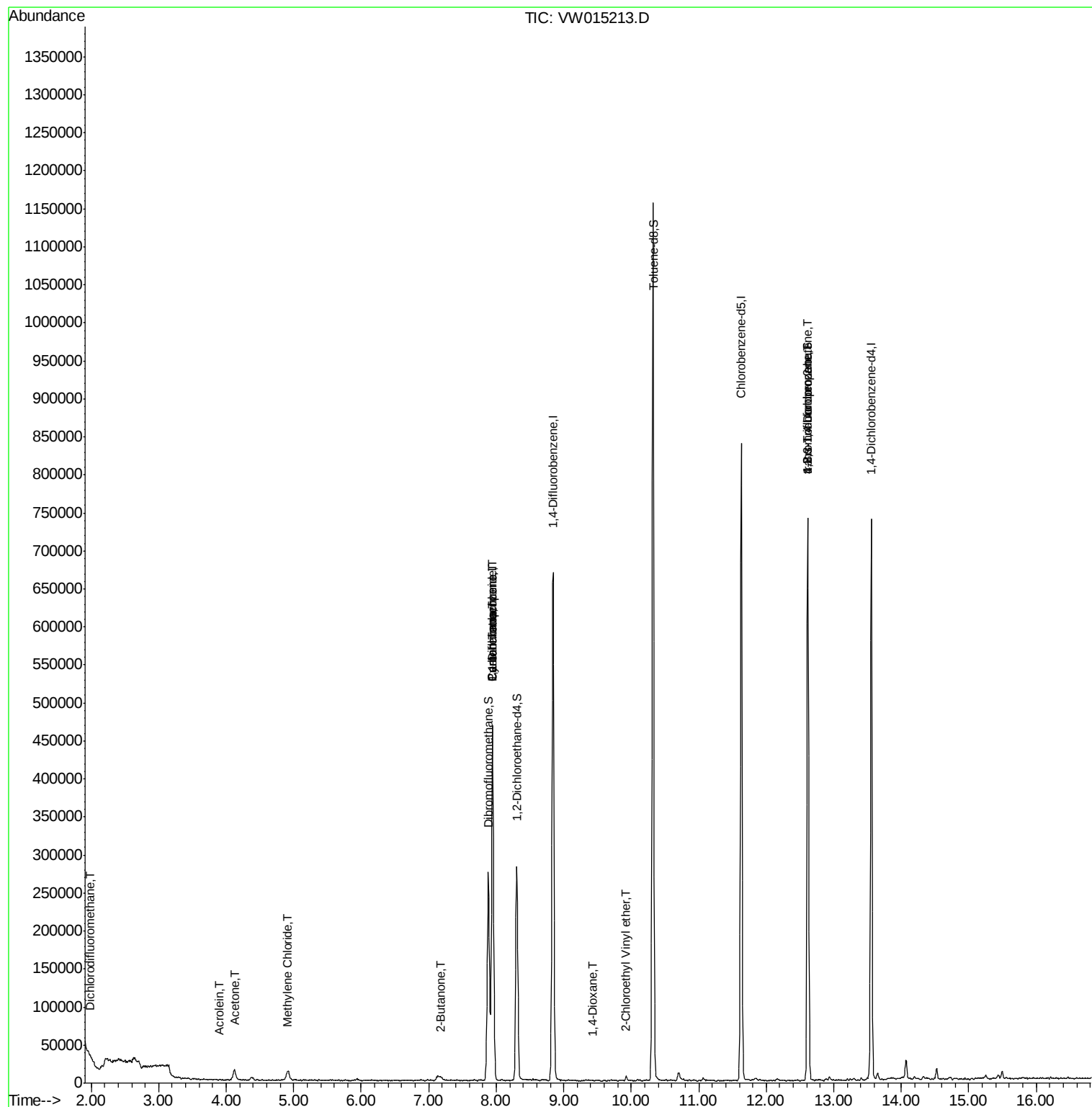
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	83	2.170	ug/l #	40
13) Acrolein	3.90	56	267	1.057	ug/l #	35
16) Acetone	4.12	43	23532	40.379	ug/l	100
20) Methylene Chloride	4.91	84	9593	2.377	ug/l #	92
25) 2-Butanone	7.18	43	6944	7.446	ug/l	98
31) Cyclohexane	7.95	56	7824	1.144	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	27178	5.168	ug/l #	50
38) Carbon Tetrachloride	7.94	117	34888	7.215	ug/l #	18
49) 1,4-Dioxane	9.43	88	48	1.648	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.93	63	2537	1.430	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	122128	73.835	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	122128	142.852	ug/l #	15

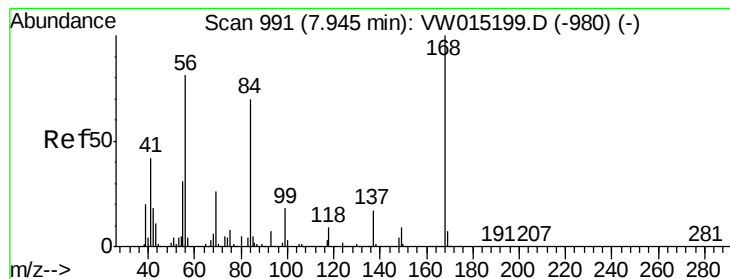
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W041520S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 15 14:44:16 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: VW015213.D

Acq: 15 Apr 2020 20:08

Instrument :

MSVOA_W

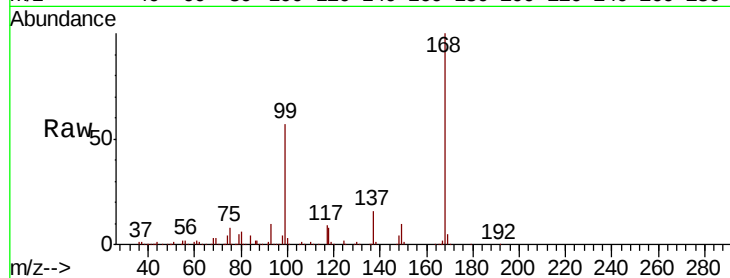
ClientSampleId :

Tot Ion:168 Resp: 346035

Ion Ratio Lower Upper

168 100

99 57.3 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

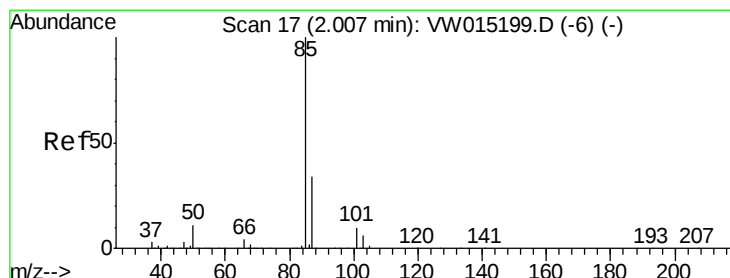
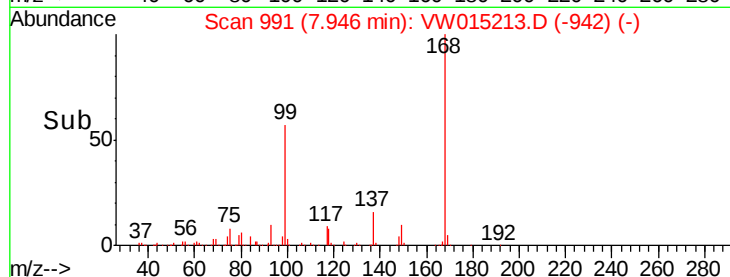
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.170 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW015213.D

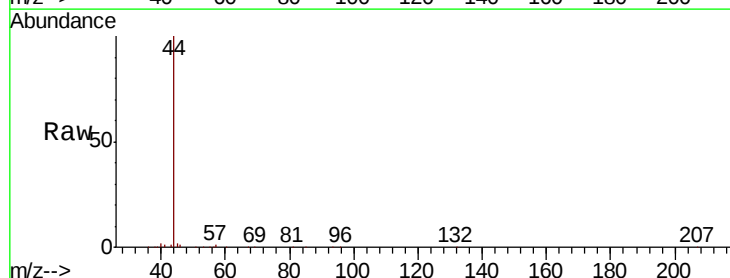
Acq: 15 Apr 2020 20:08

Tgt Ion: 85 Resp: 83

Ion Ratio Lower Upper

85 100

87 0.0 17.2 51.6#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

120

100

80

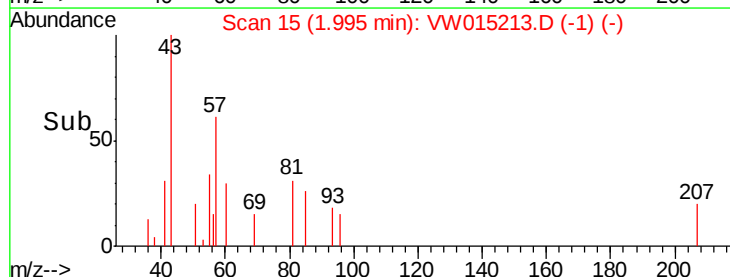
60

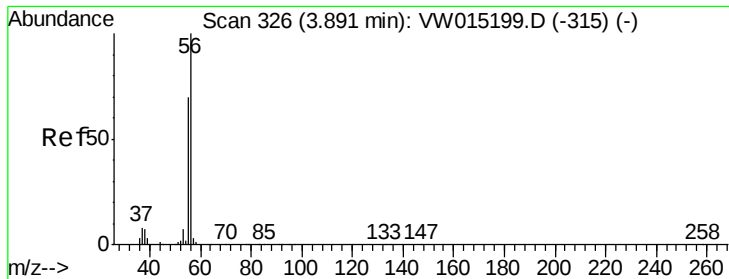
40

20

0

Time-->





#13

Acrolein

Concen: 1.057 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW015213.D

Acq: 15 Apr 2020 20:08

Instrument :

MSVOA_W

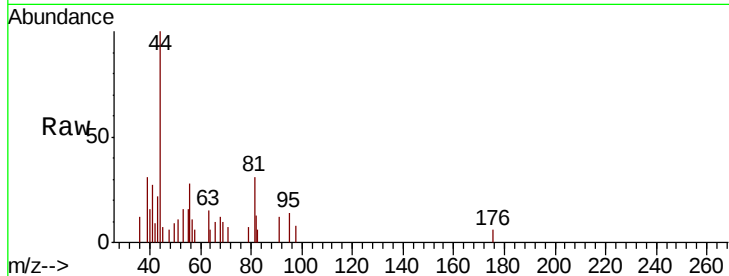
ClientSampled :

Tot Ion: 56 Resp: 267

Ion Ratio Lower Upper

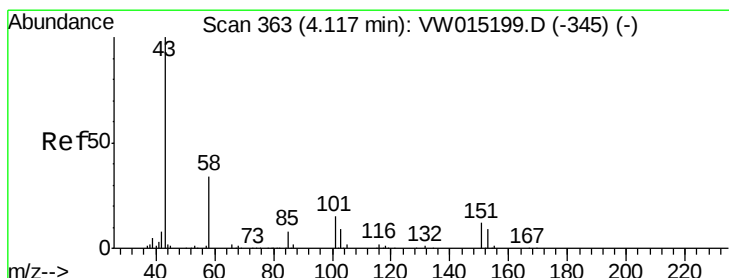
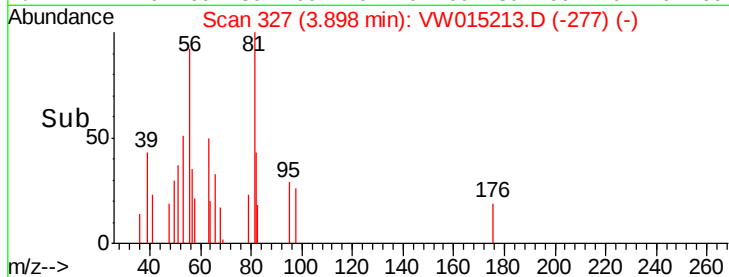
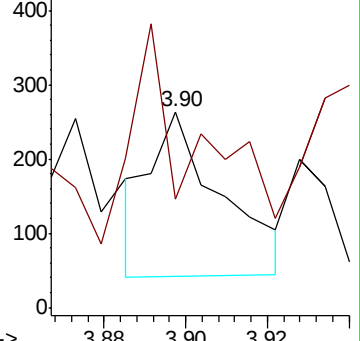
56 100

55 124.0 56.2 84.2#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 40.379 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW015213.D

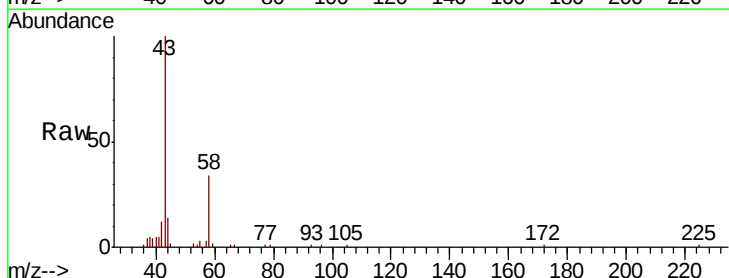
Acq: 15 Apr 2020 20:08

Tgt Ion: 43 Resp: 23532

Ion Ratio Lower Upper

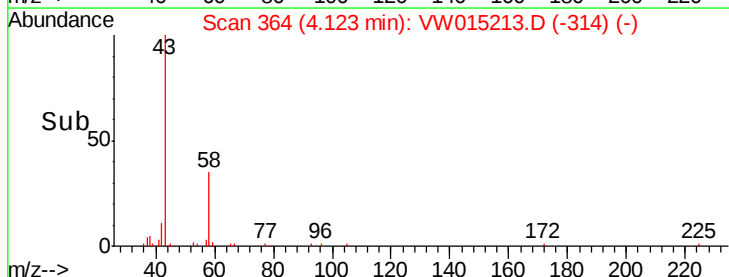
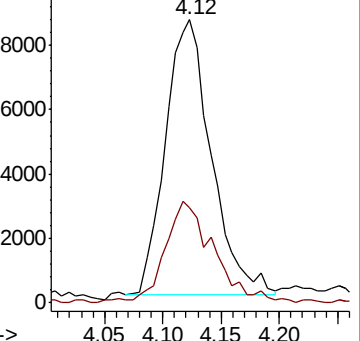
43 100

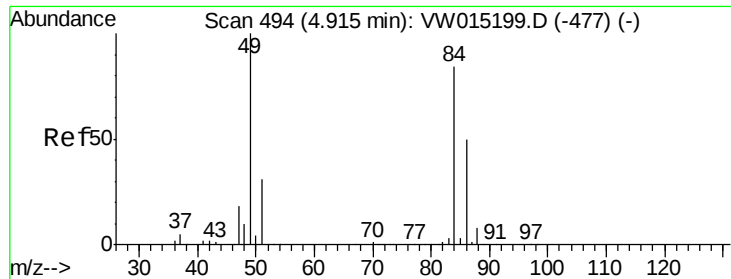
58 33.6 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

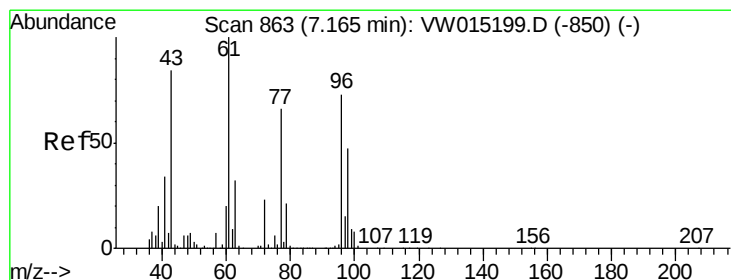
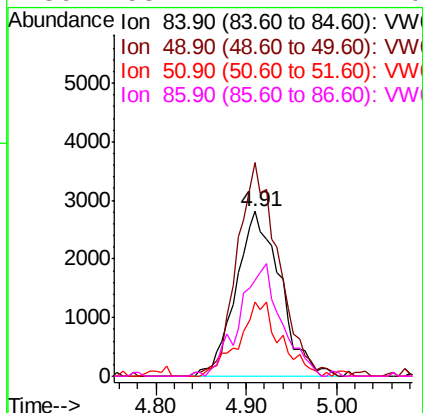
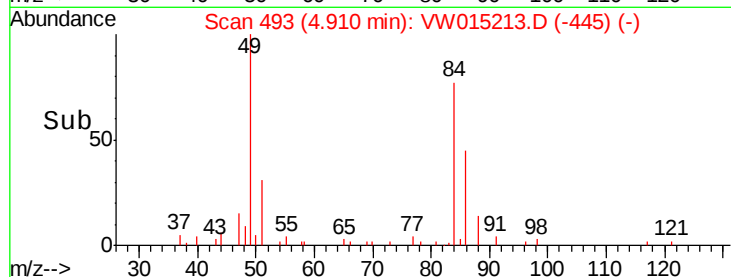
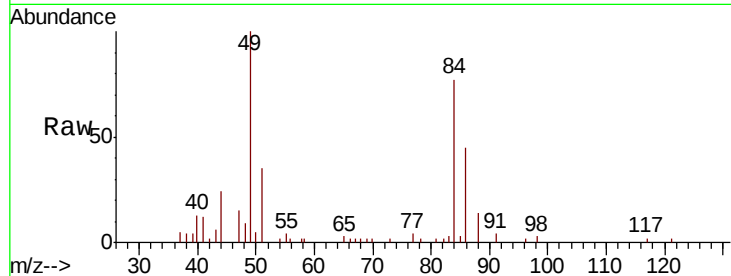




#20
Methylene Chloride
Concen: 2.377 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015213.D
Acq: 15 Apr 2020 20:08

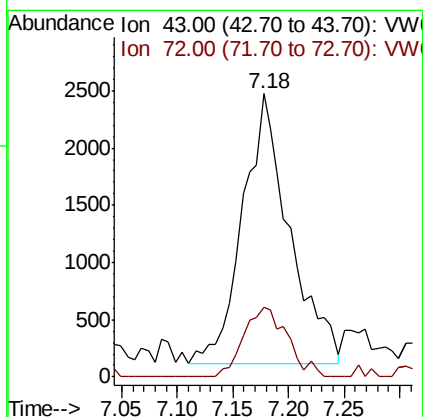
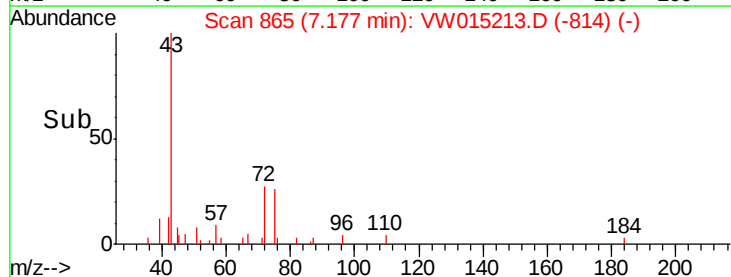
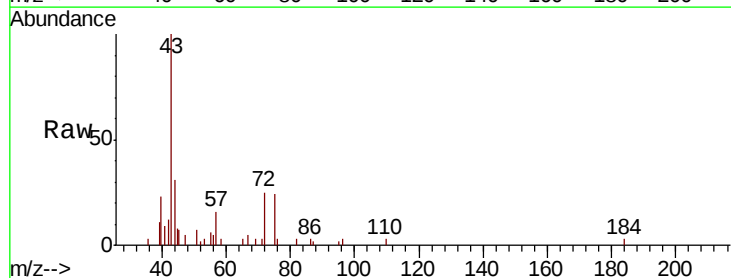
Instrument :
MSVOA_W
ClientSampled :

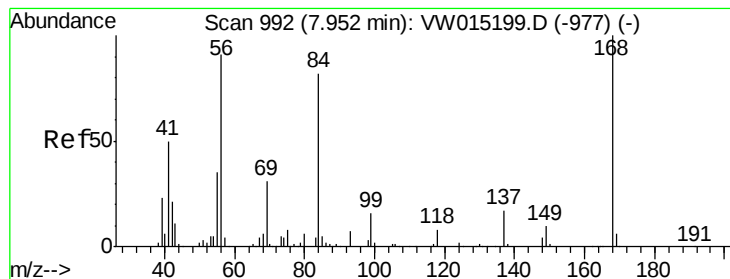
Tot Ion: 84 Resp: 9593
Ion Ratio Lower Upper
84 100
49 129.7 95.4 143.0
51 45.4 29.8 44.8#
86 58.1 47.4 71.0



#25
2-Butanone
Concen: 7.446 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015213.D
Acq: 15 Apr 2020 20:08

Tgt Ion: 43 Resp: 6944
Ion Ratio Lower Upper
43 100
72 25.9 21.6 32.4





#31

Cyclohexane

Concen: 1.144 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015213.D

Acq: 15 Apr 2020 20:08

Instrument :
MSVOA_W
ClientSampleId :

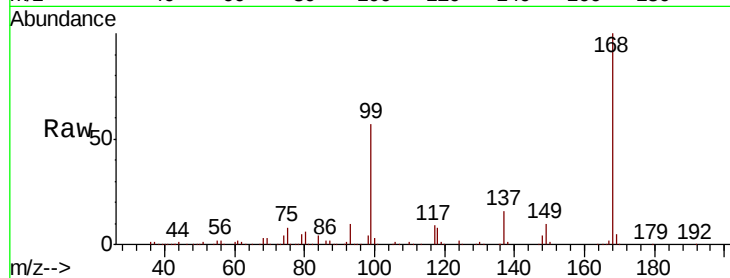
Tot Ion: 56 Resp: 7824

Ion Ratio Lower Upper

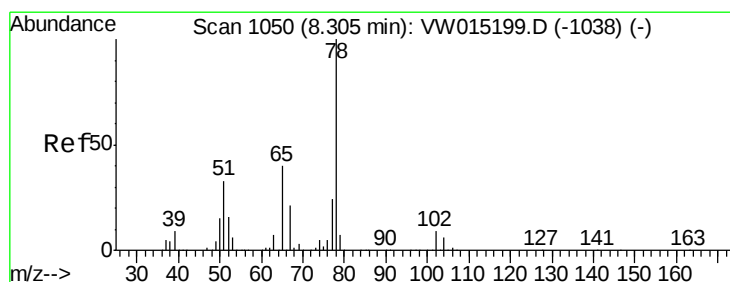
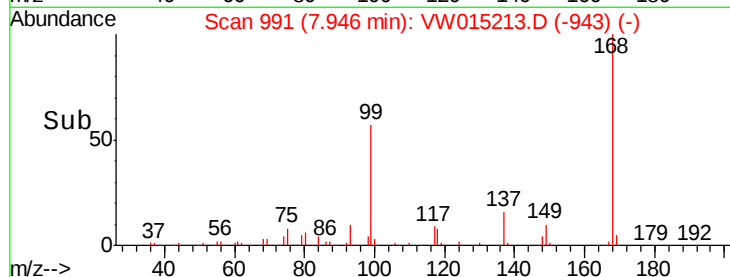
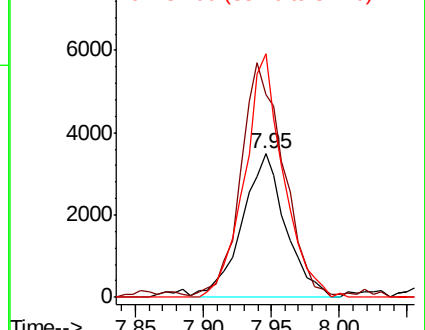
56 100

69 139.7 27.1 40.7#

84 170.0 71.9 107.9#



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: 65.033 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015213.D

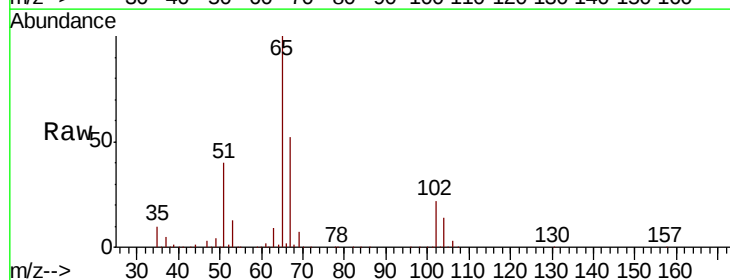
Acq: 15 Apr 2020 20:08

Tgt Ion: 65 Resp: 212790

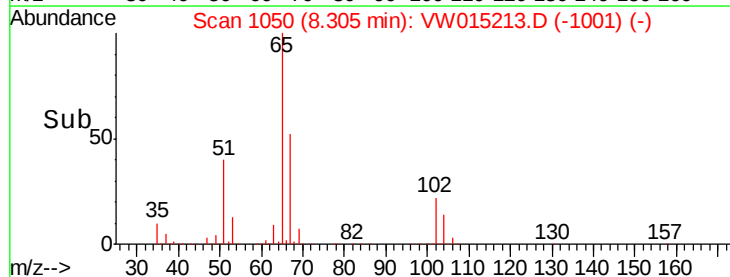
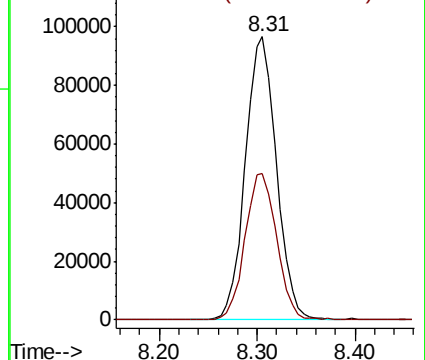
Ion Ratio Lower Upper

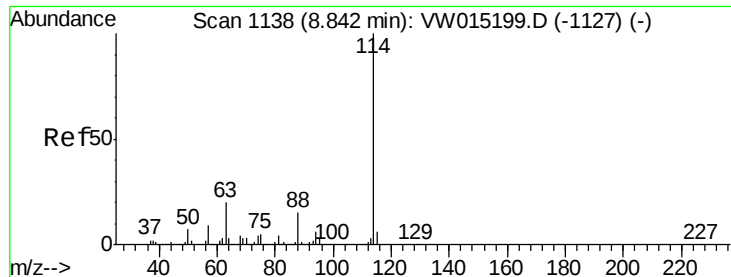
65 100

67 52.7 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

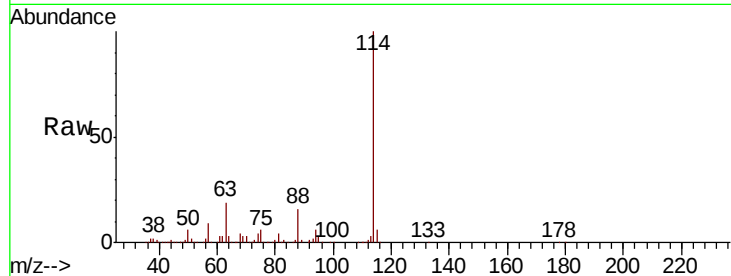




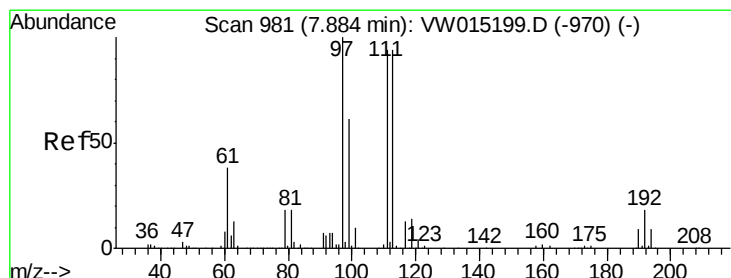
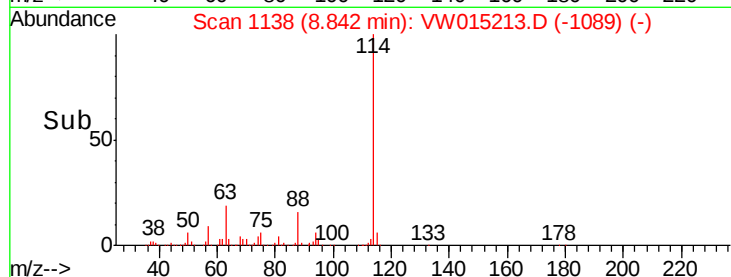
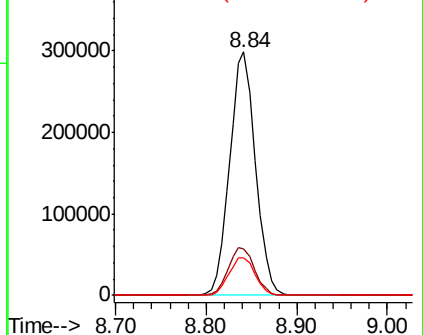
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015213.D
 Acq: 15 Apr 2020 20:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 588713
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.8
 88 15.6 0.0 30.2

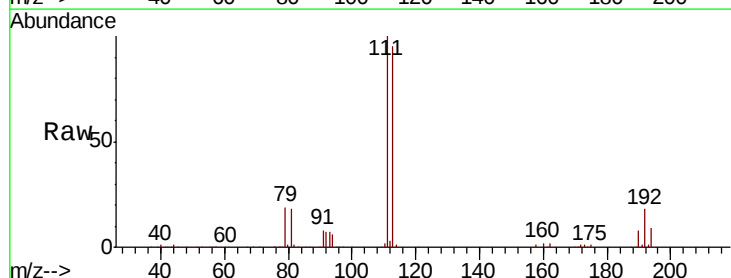


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

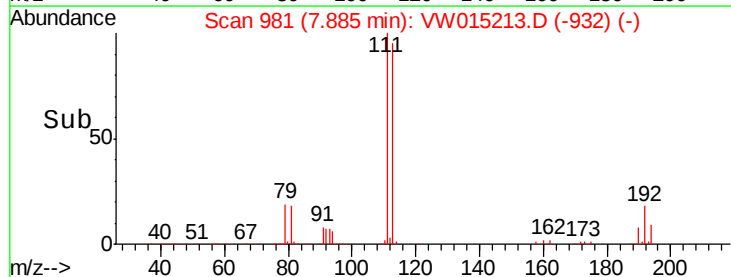
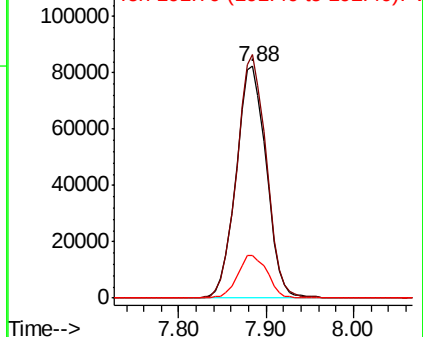


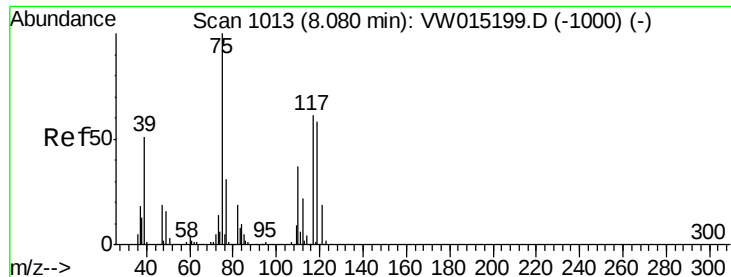
#35
 Dibromofluoromethane
 Concen: 60.726 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015213.D
 Acq: 15 Apr 2020 20:08

Tgt Ion:113 Resp: 197701
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.0 124.4
 192 18.2 15.1 22.7



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

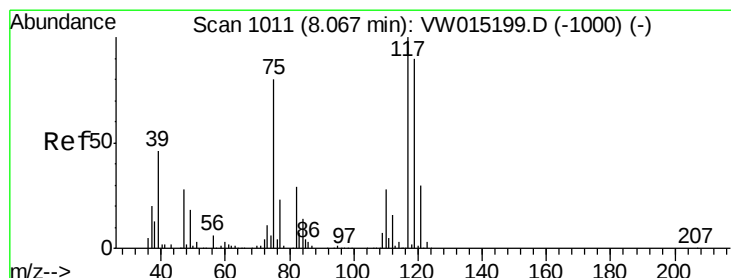
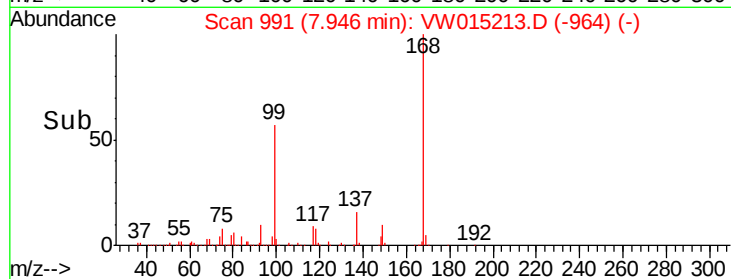
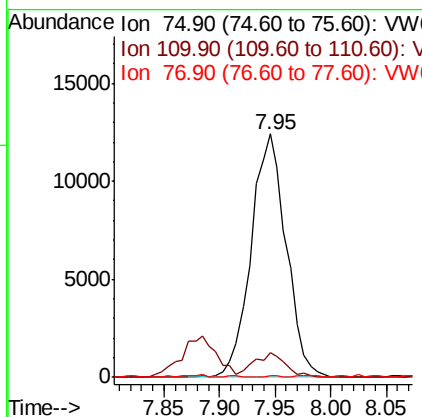
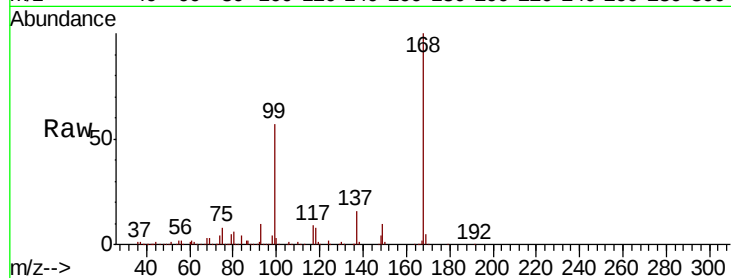




#36
 1,1-Dichloropropene
 Concen: 5.168 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW015213.D
 Acq: 15 Apr 2020 20:08

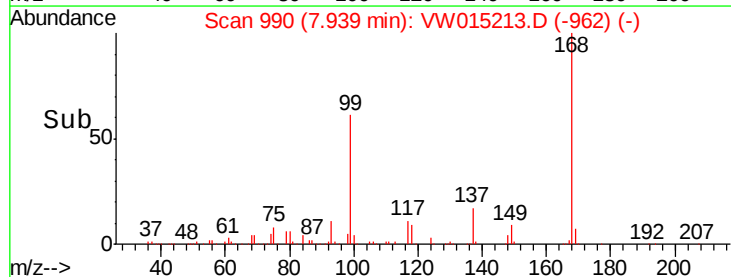
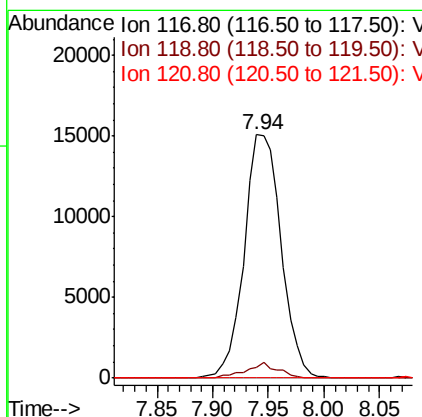
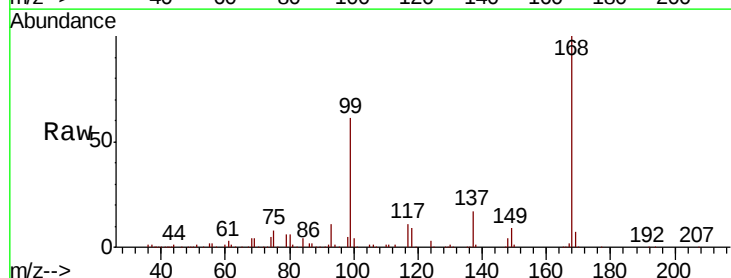
Instrument :
 MSVOA_W
 ClientSampleId :

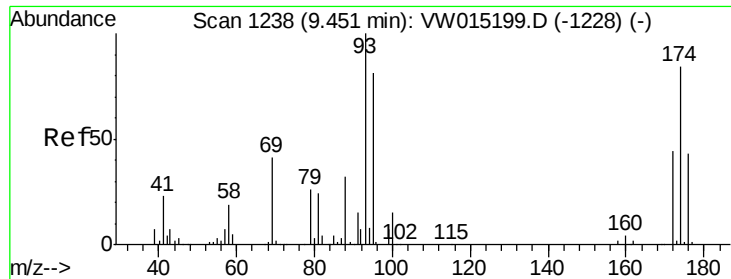
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.2	54.6#
77	0.3	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 7.215 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW015213.D
 Acq: 15 Apr 2020 20:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	72.3	108.5#
121	0.0	23.7	35.5#





#49

1,4-Dioxane

Concen: 1.648 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.02 min

Lab File: VW015213.D

Acq: 15 Apr 2020 20:08

Instrument :
MSVOA_W
ClientSampled :

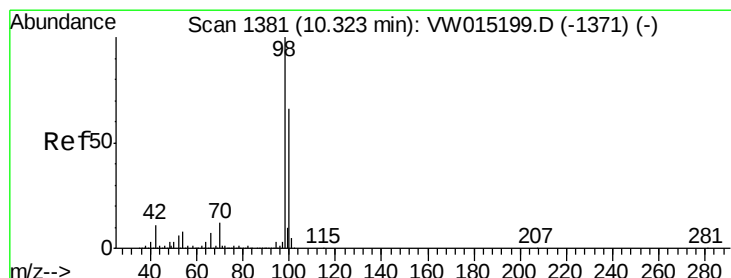
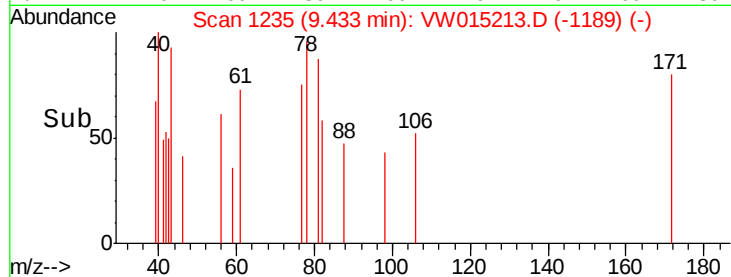
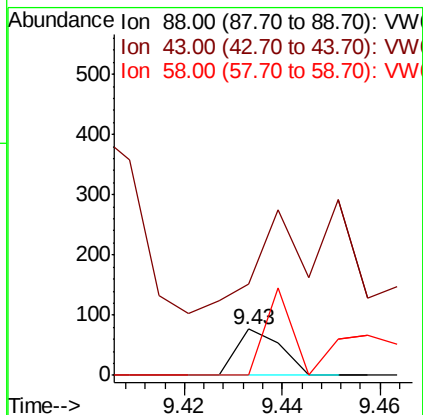
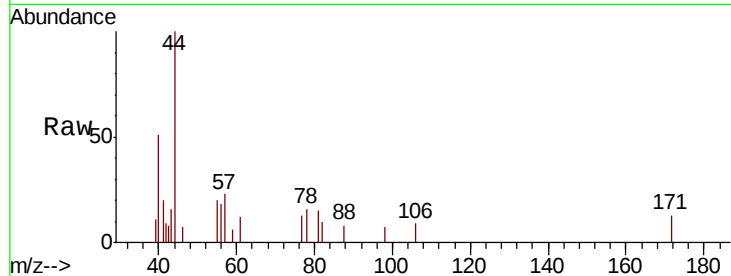
Tot Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 1072.9 23.5 35.3#

58 156.3 55.4 83.2#



#50

Toluene-d8

Concen: 59.194 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015213.D

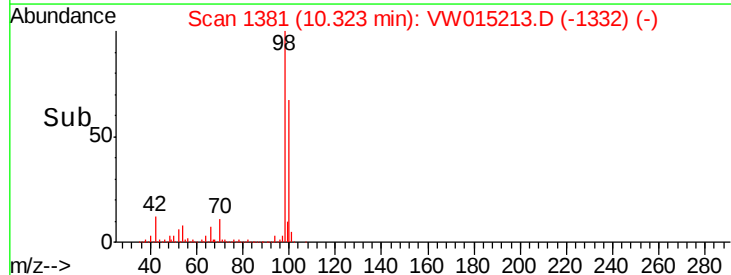
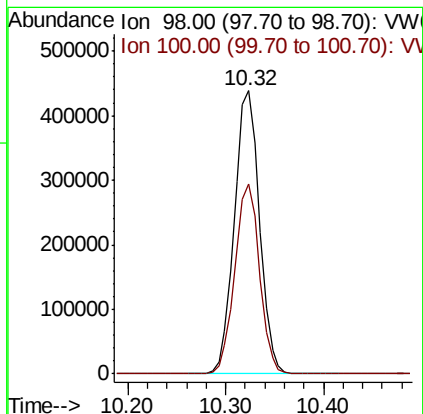
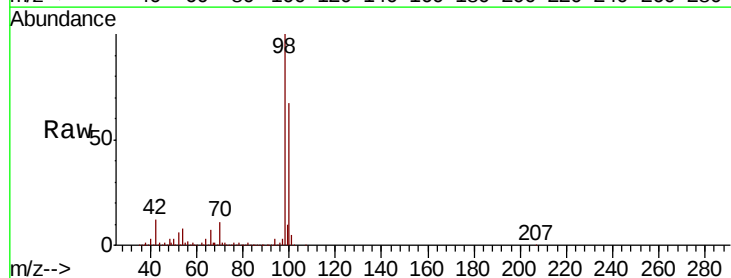
Acq: 15 Apr 2020 20:08

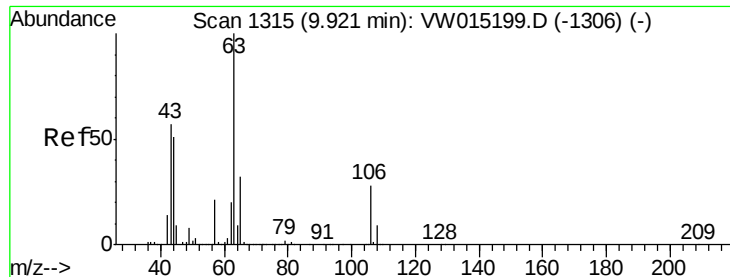
Tgt Ion: 98 Resp: 782845

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3

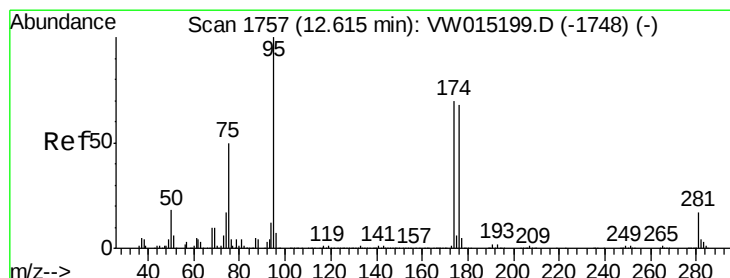
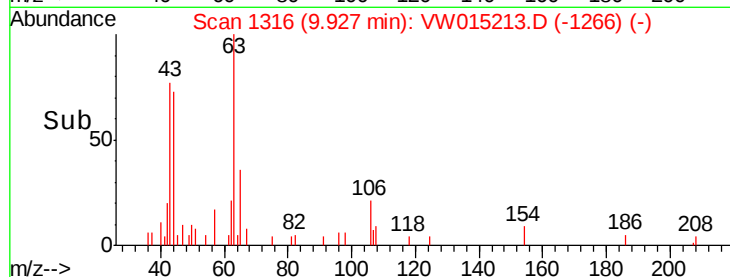
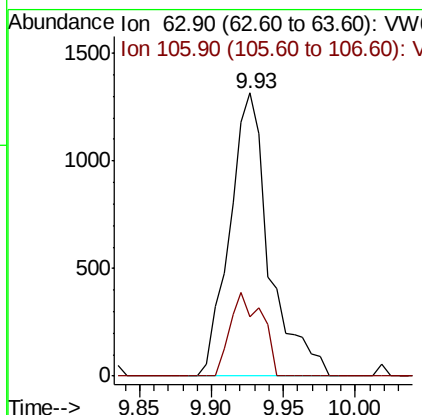
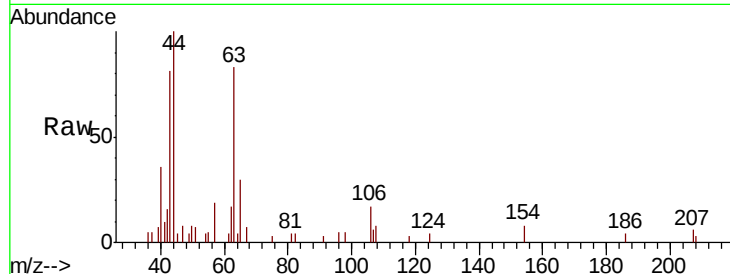




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.430 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW015213.D
 Acq: 15 Apr 2020 20:08

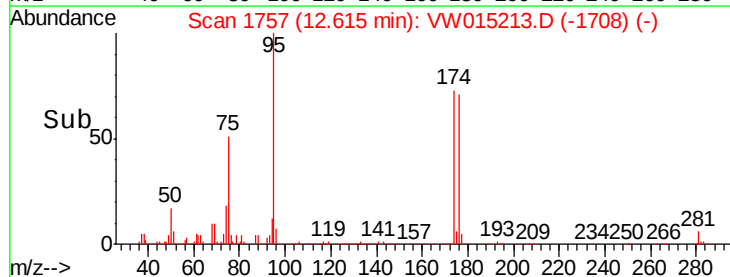
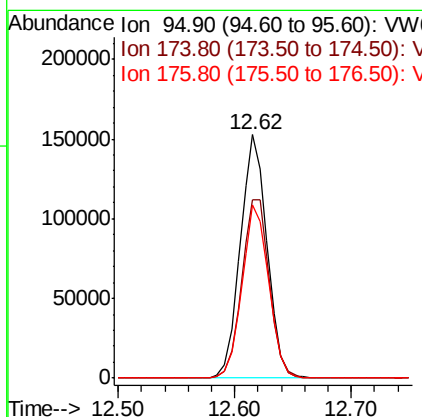
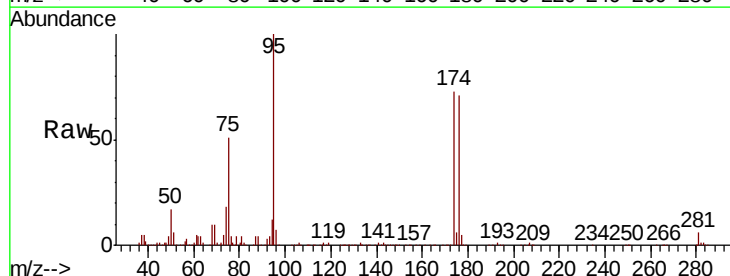
Instrument :
 MSVOA_W
 ClientSampled :

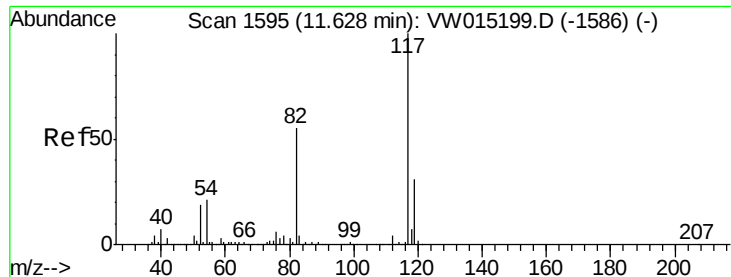
Tot Ion: 63 Resp: 2537
 Ion Ratio Lower Upper
 63 100
 106 23.5 22.6 33.8



#62
 4-Bromofluorobenzene
 Concen: 52.642 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015213.D
 Acq: 15 Apr 2020 20:08

Tgt Ion: 95 Resp: 243840
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 144.4
 176 71.2 0.0 140.6

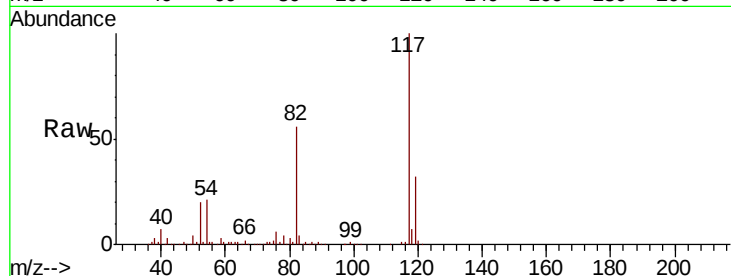




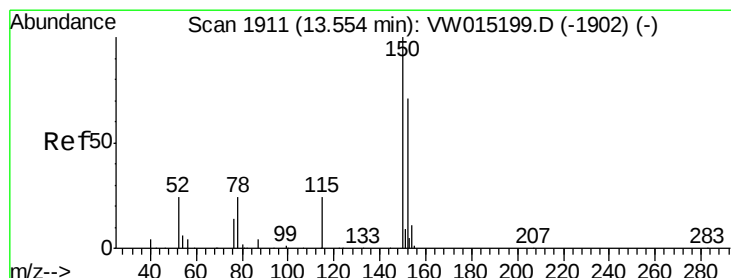
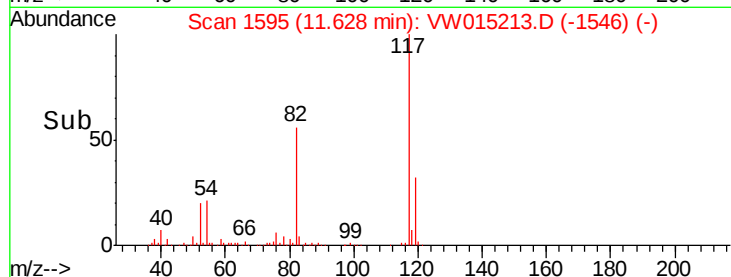
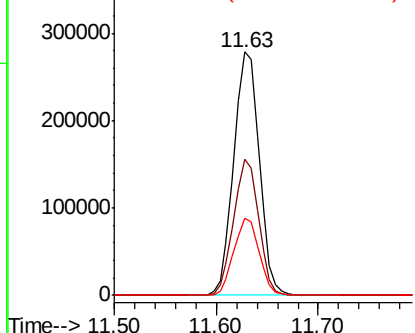
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW015213.D
Acq: 15 Apr 2020 20:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.1	66.1
119	32.0	24.9	37.3

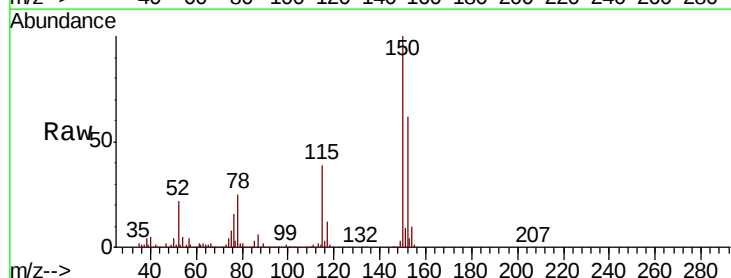


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

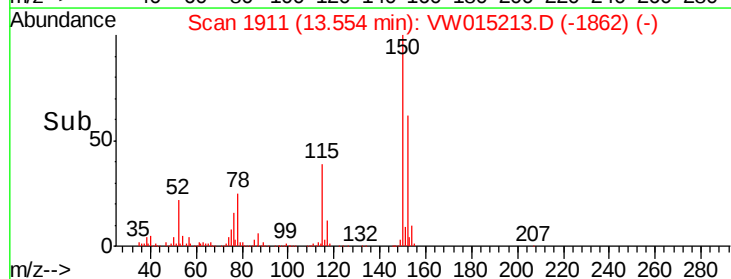
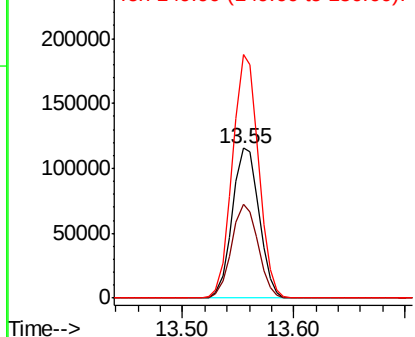


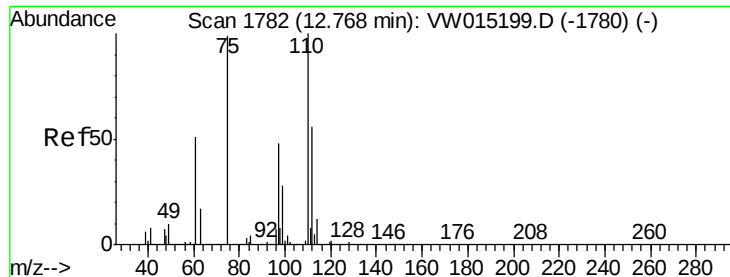
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW015213.D
Acq: 15 Apr 2020 20:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	31.3	93.9
150	158.0	0.0	343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 73.835 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015213.D

Acq: 15 Apr 2020 20:08

Instrument :

MSVOA_W

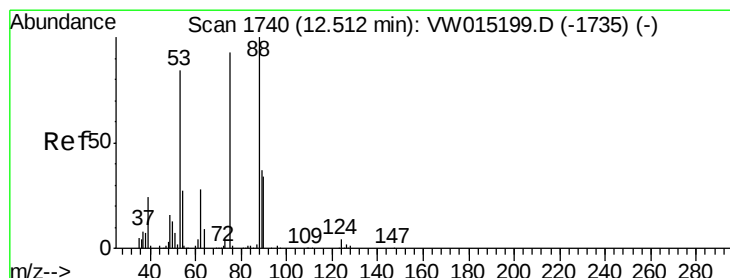
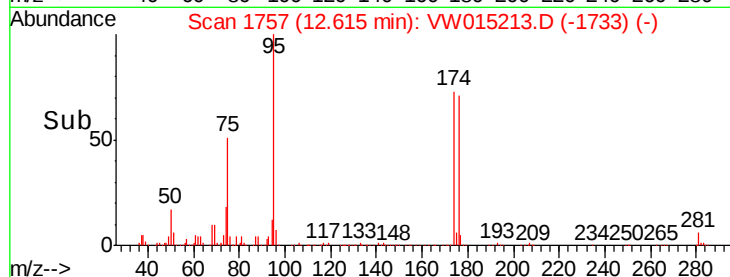
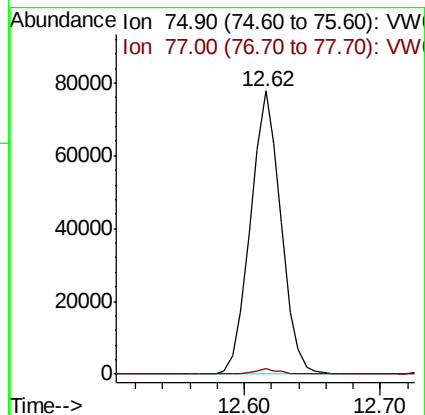
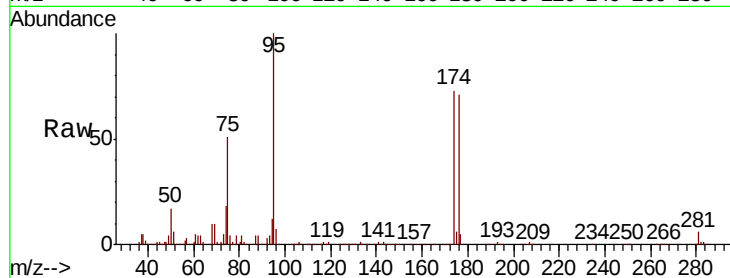
ClientSampleId :

Tot Ion: 75 Resp: 122128

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 142.852 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015213.D

Acq: 15 Apr 2020 20:08

Tgt Ion: 75 Resp: 122128

Ion Ratio Lower Upper

75 100

53 0.1 69.4 104.2#

89 0.2 34.8 52.2#

