

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041520\
 Data File : VW015212.D
 Acq On : 15 Apr 2020 19:41
 Operator : SY/VA
 Sample : L2243-08
 Misc : 7.10G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 16 04:26:52 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	416008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	708417	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	592300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	247441	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	231729	58.91	ug/l	0.00
Spiked Amount			Recovery	=	117.82%	
35) Dibromofluoromethane	7.88	113	89768	22.91	ug/l	0.00
Spiked Amount			Recovery	=	45.82%	
50) Toluene-d8	10.32	98	918353	57.71	ug/l	0.00
Spiked Amount			Recovery	=	115.42%	
62) 4-Bromofluorobenzene	12.62	95	292515	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	

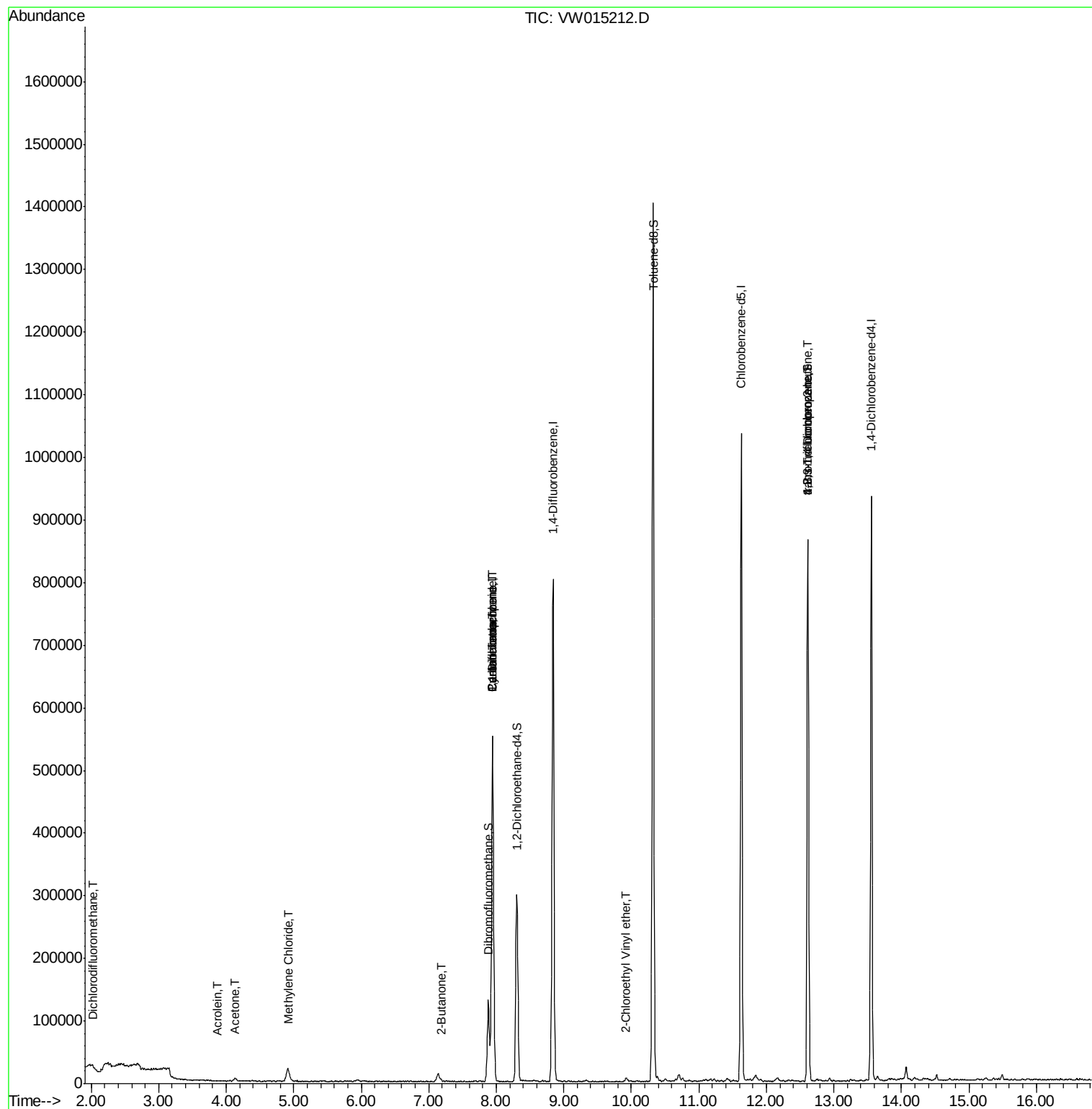
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	171	2.196	ug/l #	54
13) Acrolein	3.87	56	307	1.011	ug/l #	40
16) Acetone	4.14	43	8501	12.133	ug/l	91
20) Methylene Chloride	4.92	84	16896	3.482	ug/l	89
25) 2-Butanone	7.18	43	1669	1.489	ug/l #	69
31) Cyclohexane	7.95	56	9557	1.163	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	32357	5.113	ug/l #	49
38) Carbon Tetrachloride	7.95	117	41027	7.051	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.93	63	2929	1.372	ug/l #	88
76) 1,2,3-Trichloropropane	12.62	75	145525	68.703	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	145525	132.923	ug/l #	15

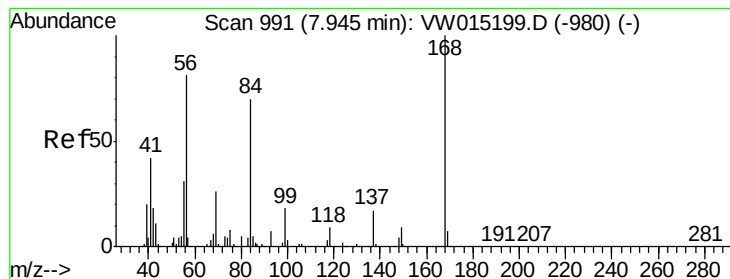
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041520\
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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: VW015212.D

Acq: 15 Apr 2020 19:41

Instrument :

MSVOA_W

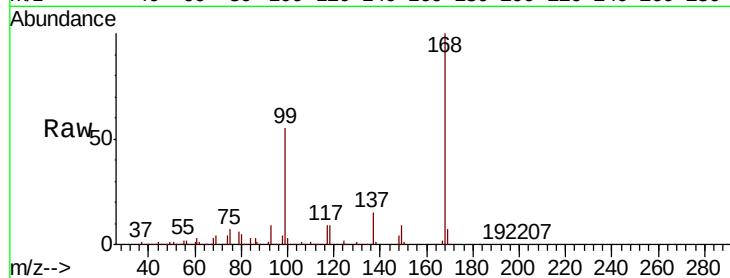
ClientSampled :

Tot Ion:168 Resp: 416008

Ion Ratio Lower Upper

168 100

99 55.0 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

200000

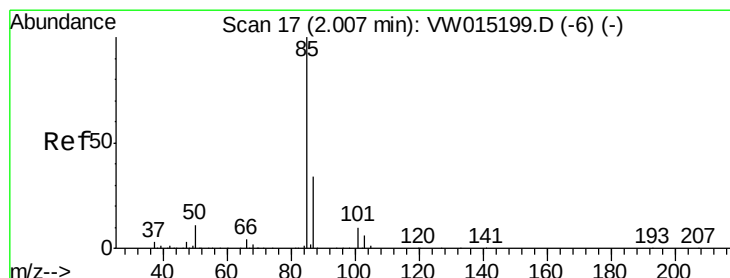
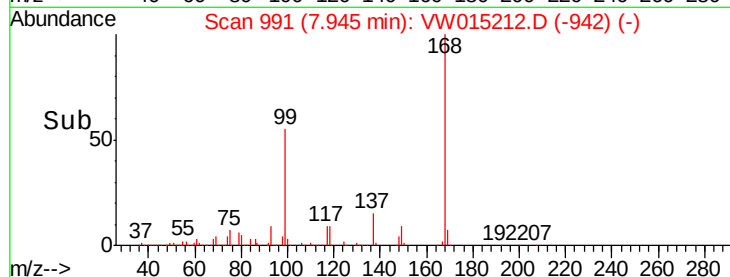
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.196 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW015212.D

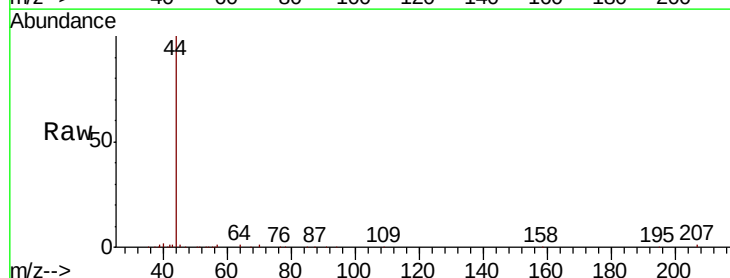
Acq: 15 Apr 2020 19:41

Tgt Ion: 85 Resp: 171

Ion Ratio Lower Upper

85 100

87 61.0 17.2 51.6#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

100

80

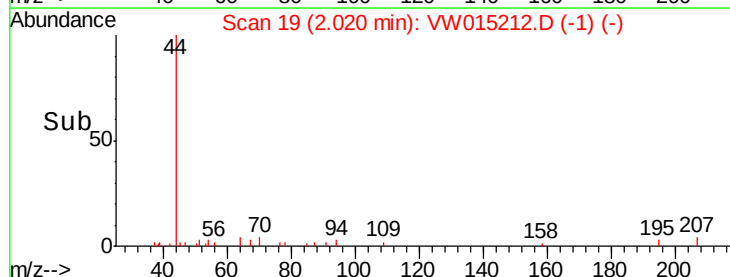
60

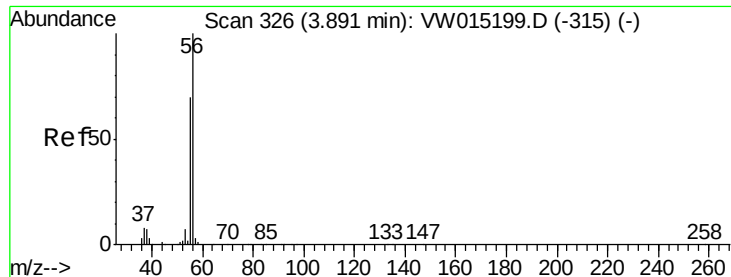
40

20

0

Time-->





#13

Acrolein

Concen: 1.011 ug/l

RT: 3.87 min Scan# 322

Delta R.T. -0.02 min

Lab File: VW015212.D

Acq: 15 Apr 2020 19:41

Instrument :

MSVOA_W

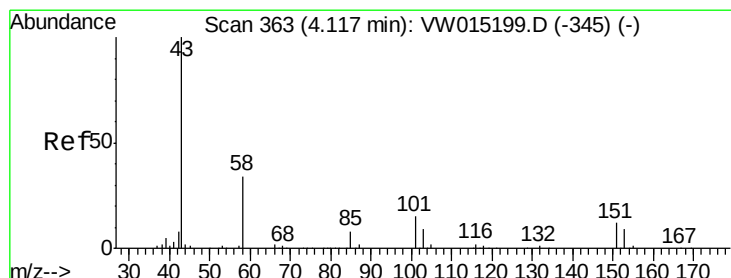
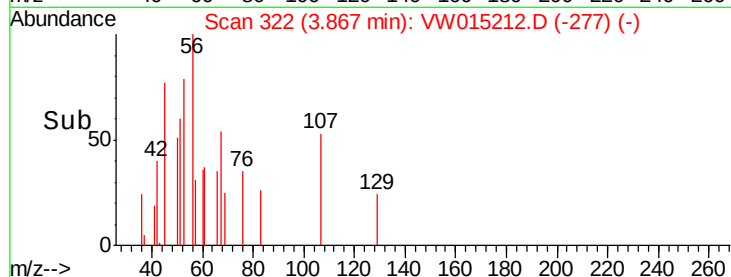
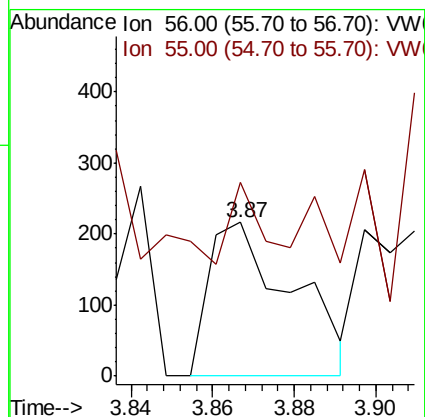
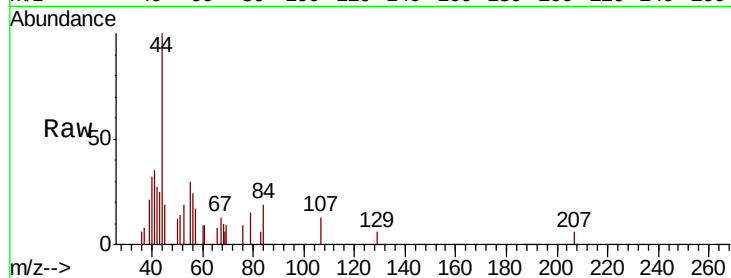
ClientSampleId :

Tot Ion: 56 Resp: 307

Ion Ratio Lower Upper

56 100

55 20.8 56.2 84.2#



#16

Acetone

Concen: 12.133 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW015212.D

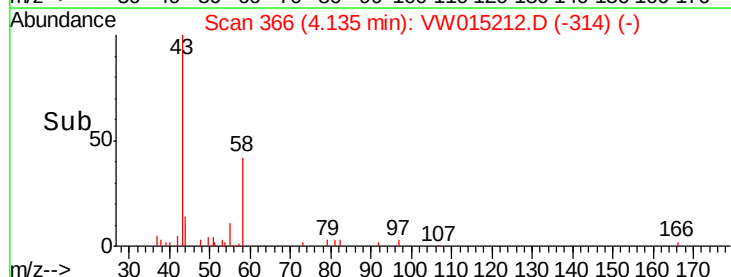
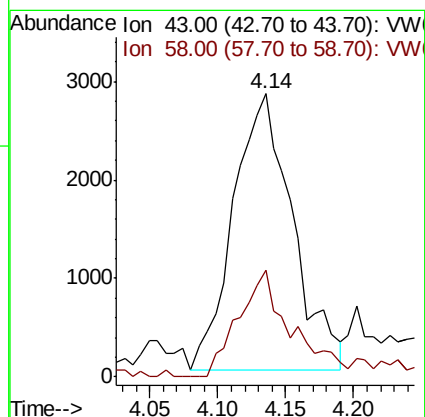
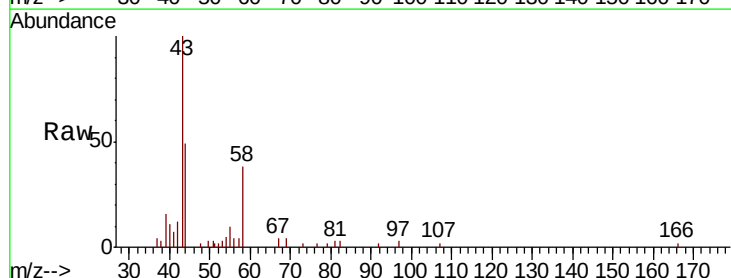
Acq: 15 Apr 2020 19:41

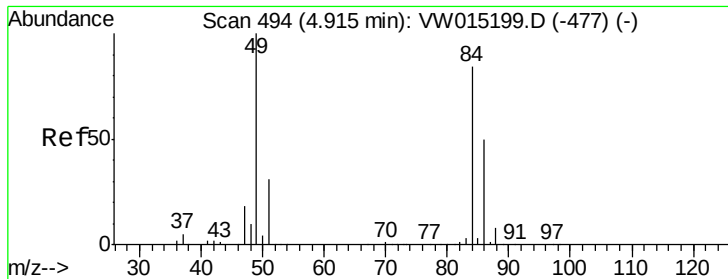
Tgt Ion: 43 Resp: 8501

Ion Ratio Lower Upper

43 100

58 38.6 27.0 40.4

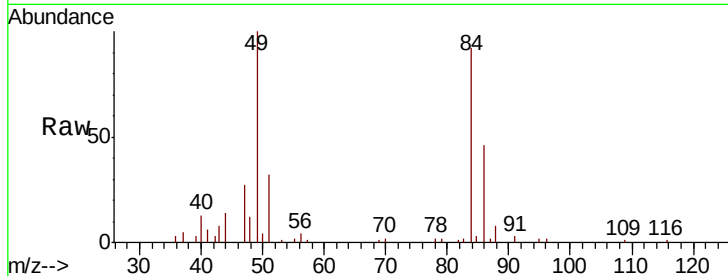




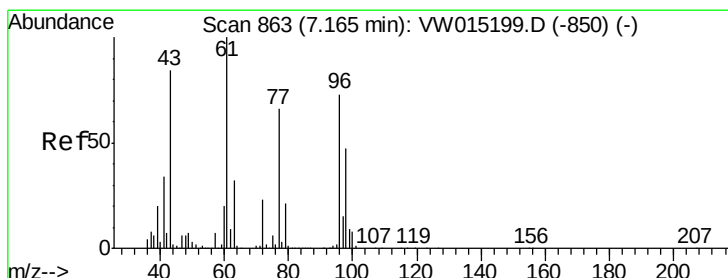
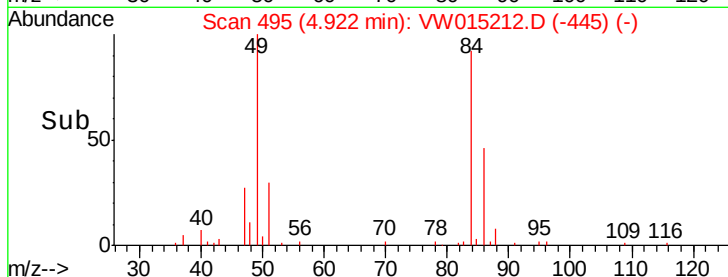
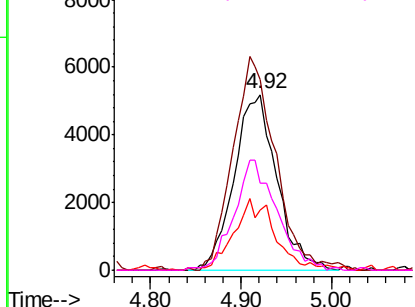
#20
Methylene Chloride
Concen: 3.482 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW015212.D
Acq: 15 Apr 2020 19:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 16896
Ion Ratio Lower Upper
84 100
49 107.0 95.4 143.0
51 33.3 29.8 44.8
86 48.0 47.4 71.0

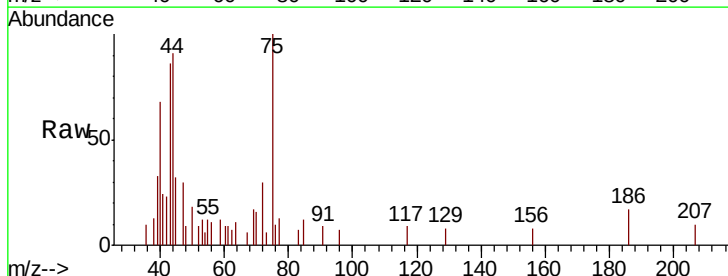


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

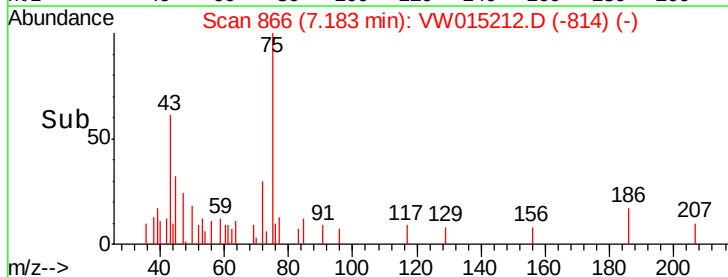
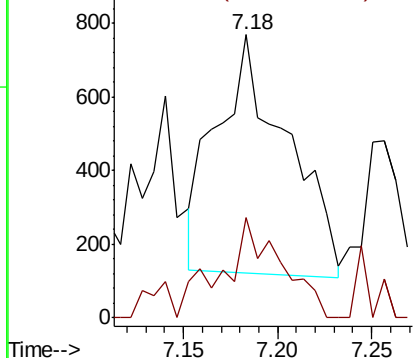


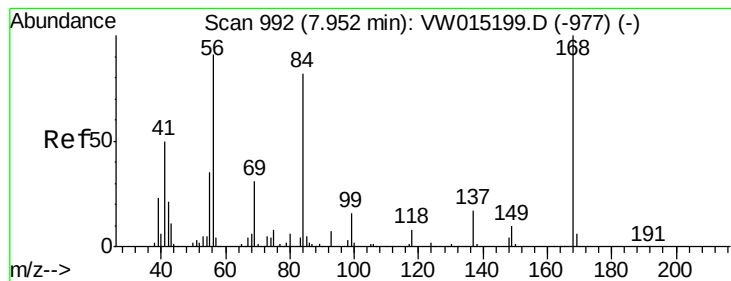
#25
2-Butanone
Concen: 1.489 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: VW015212.D
Acq: 15 Apr 2020 19:41

Tgt Ion: 43 Resp: 1669
Ion Ratio Lower Upper
43 100
72 43.2 21.6 32.4#



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





#31

Cyclohexane

Concen: 1.163 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015212.D

Acq: 15 Apr 2020 19:41

Instrument :

MSVOA_W

ClientSampled :

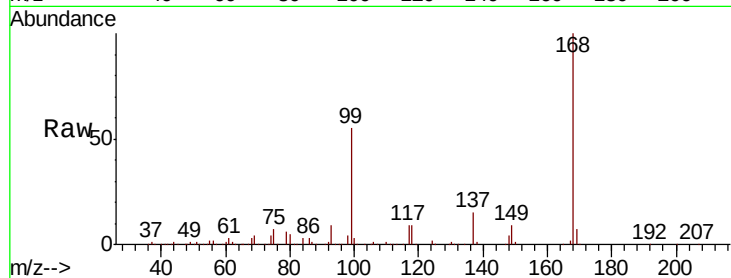
Tot Ion: 56 Resp: 9557

Ion Ratio Lower Upper

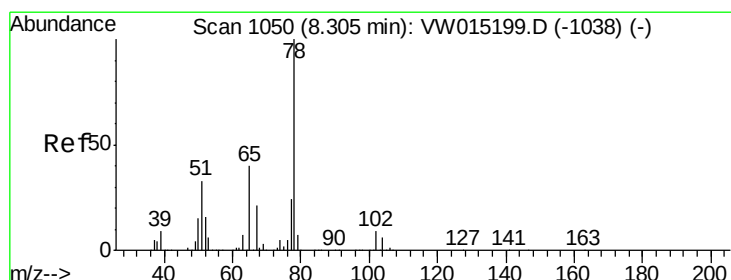
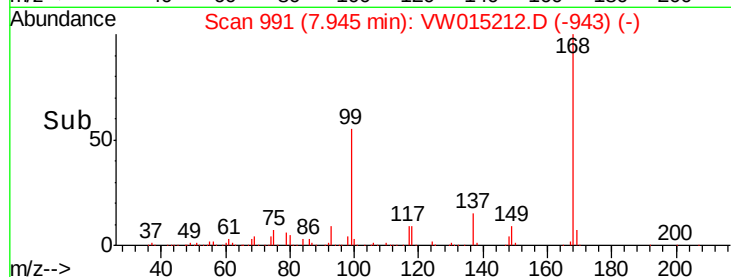
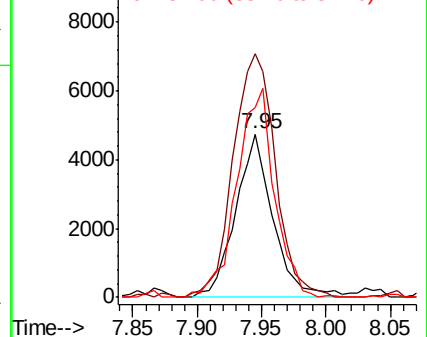
56 100

69 149.2 27.1 40.7#

84 116.3 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: 58.909 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW015212.D

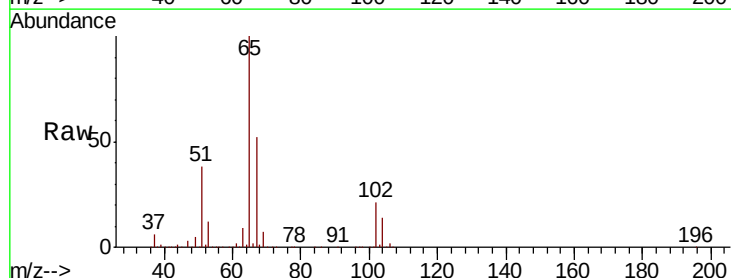
Acq: 15 Apr 2020 19:41

Tgt Ion: 65 Resp: 231729

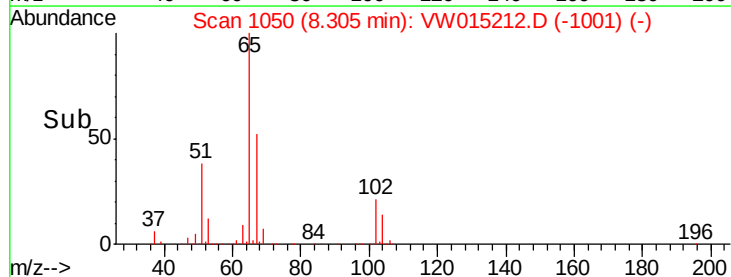
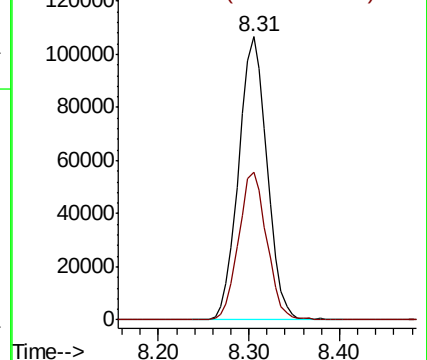
Ion Ratio Lower Upper

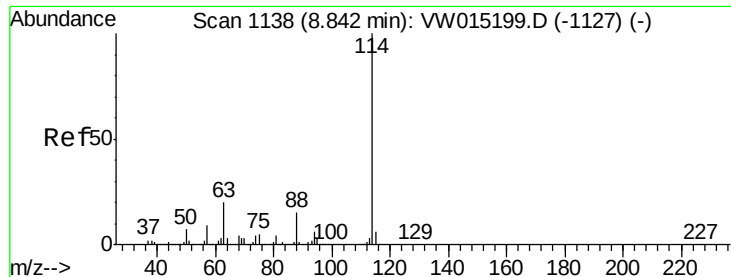
65 100

67 51.9 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: VW015212.D

Acq: 15 Apr 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

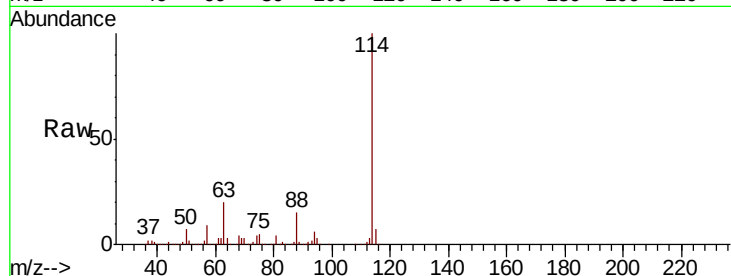
Tot Ion:114 Resp: 708417

Ion Ratio Lower Upper

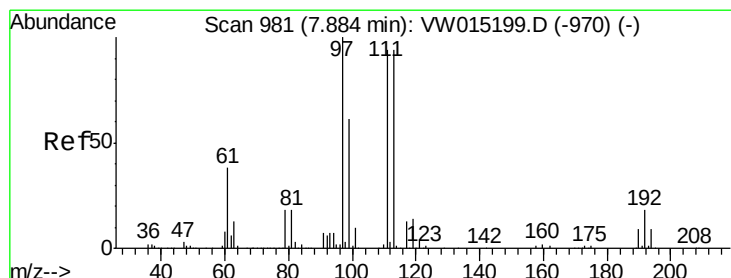
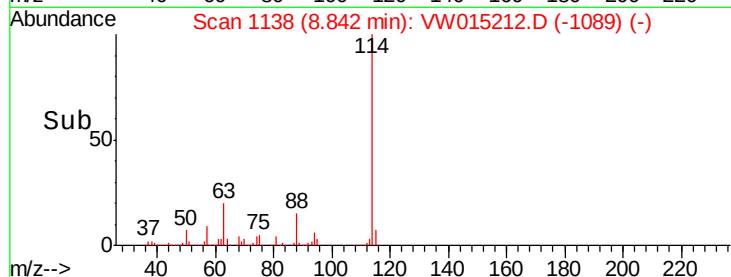
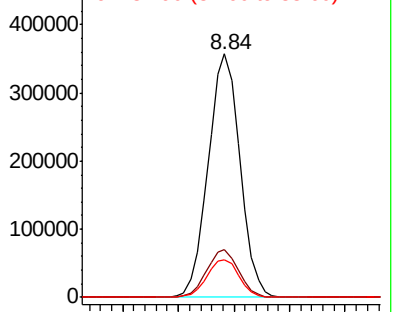
114 100

63 19.6 0.0 39.8

88 15.2 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: 22.914 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015212.D

Acq: 15 Apr 2020 19:41

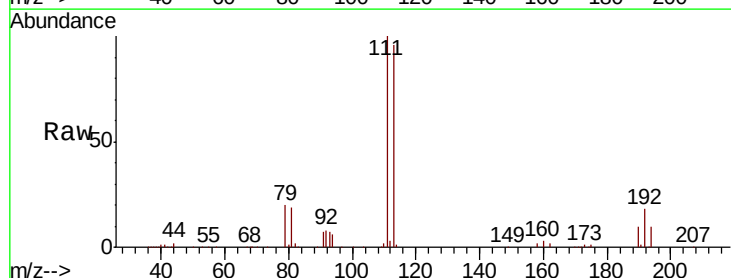
Tgt Ion:113 Resp: 89768

Ion Ratio Lower Upper

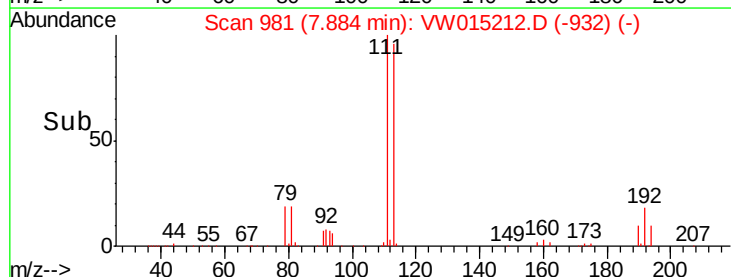
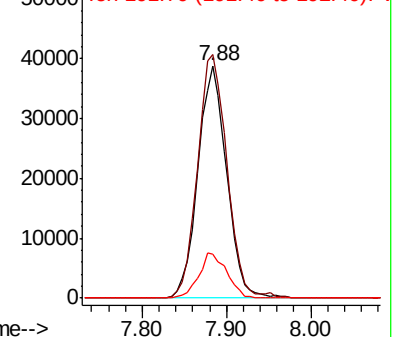
113 100

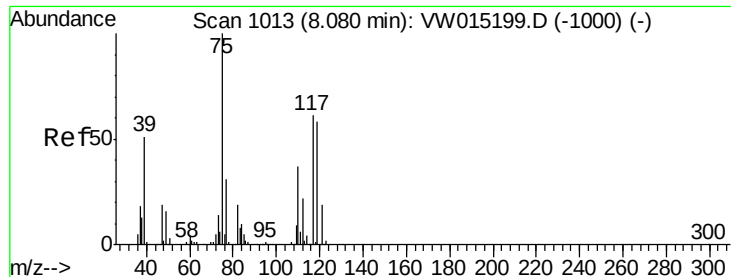
111 107.1 83.0 124.4

192 19.0 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

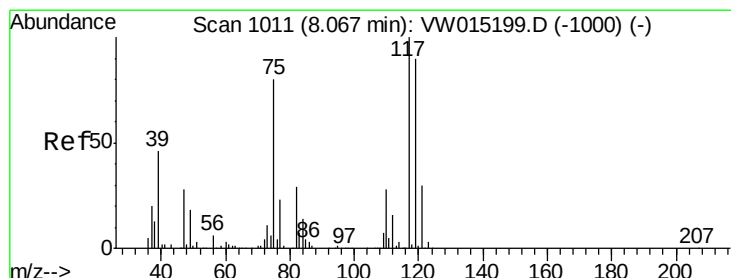
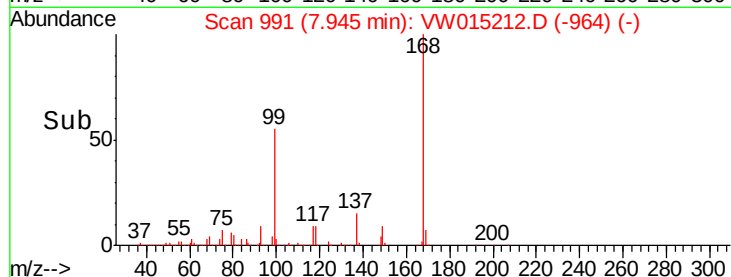
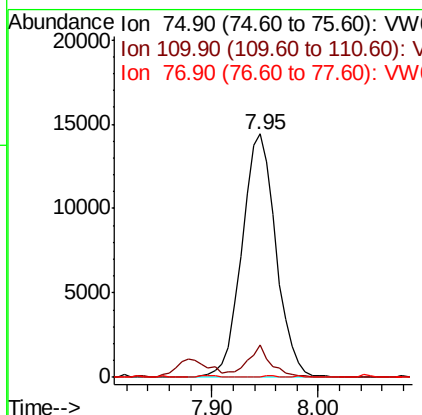
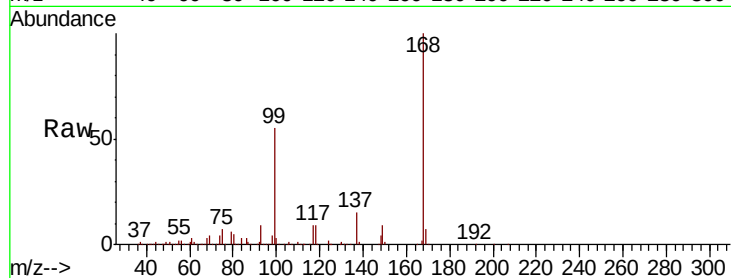




#36
 1,1-Dichloropropene
 Concen: 5.113 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW015212.D
 Acq: 15 Apr 2020 19:41

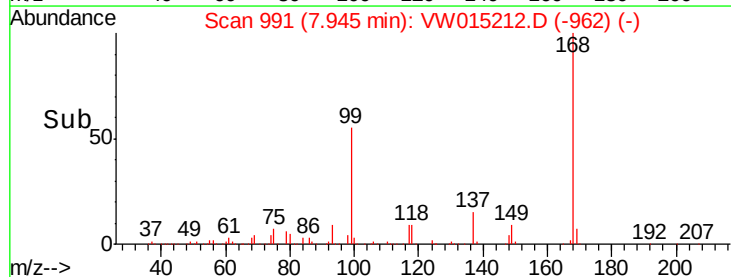
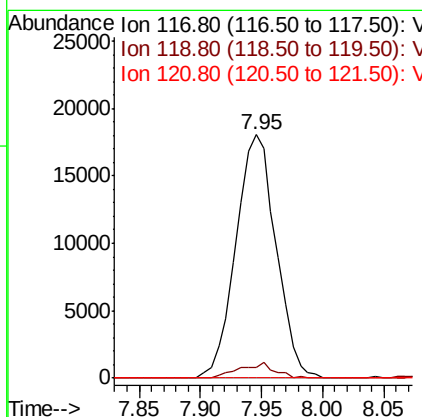
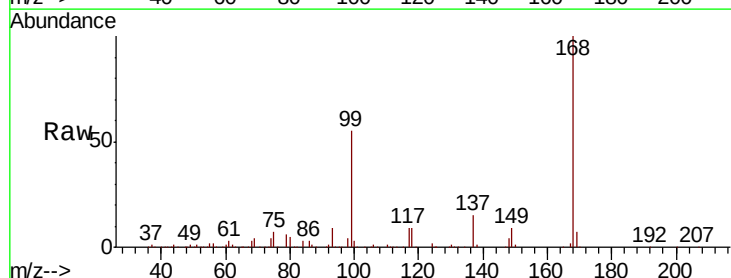
Instrument :
 MSVOA_W
 ClientSampled :

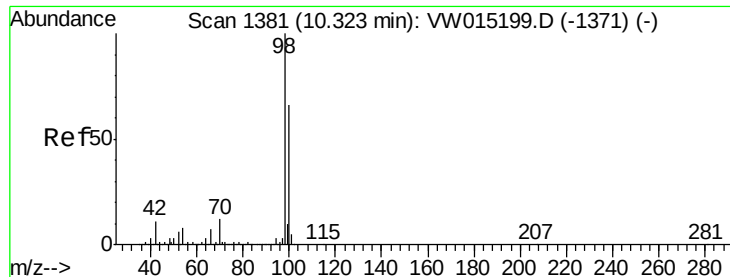
Tot Ion	75	Resp	32357
Ion Ratio	Lower	Upper	
75	100		
110	8.8	18.2	54.6#
77	0.2	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 7.051 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW015212.D
 Acq: 15 Apr 2020 19:41

Tgt Ion	117	Resp	41027
Ion Ratio	Lower	Upper	
117	100		
119	4.3	72.3	108.5#
121	0.0	23.7	35.5#

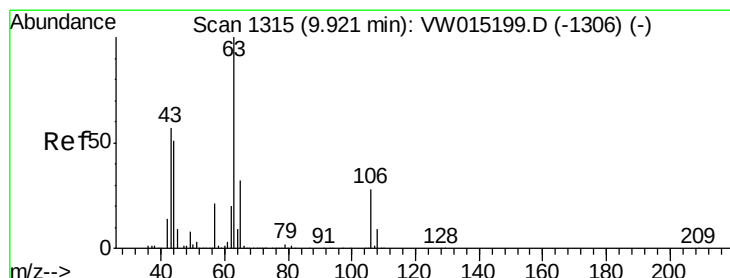
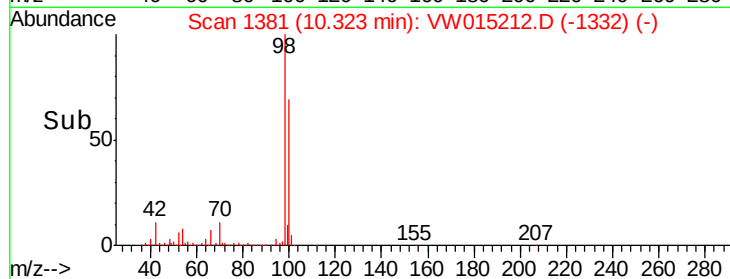
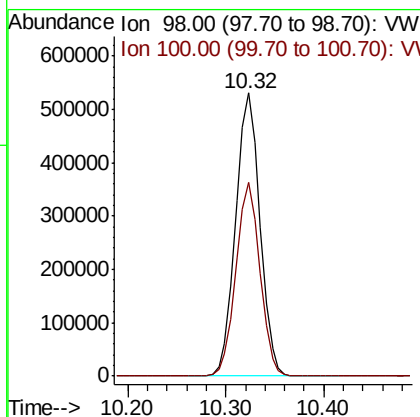
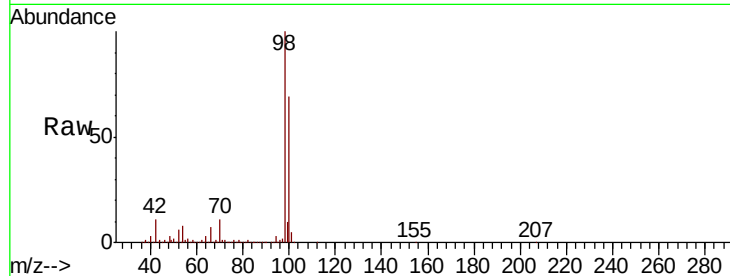




#50
Toluene-d8
Concen: 57.707 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015212.D
Acq: 15 Apr 2020 19:41

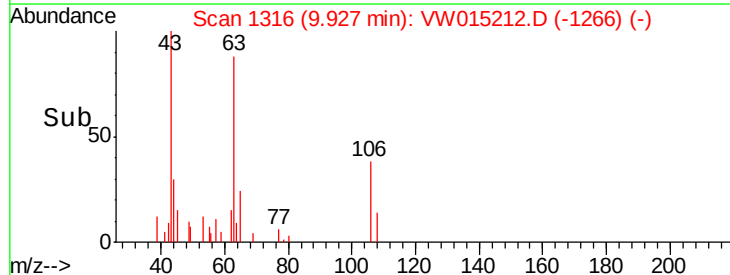
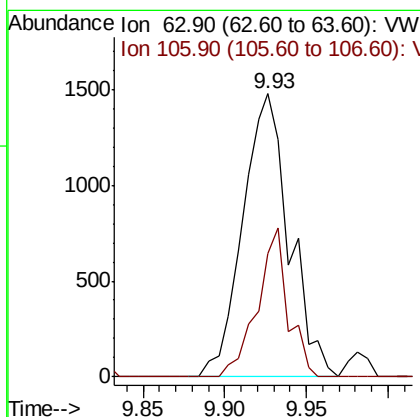
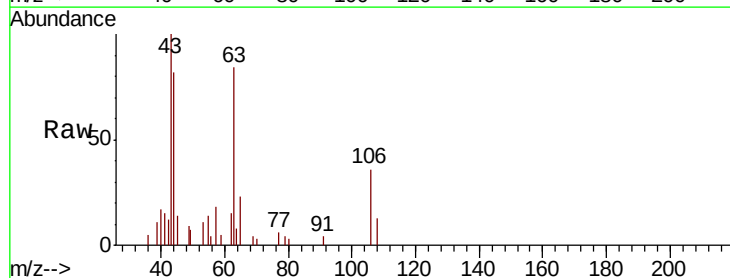
Instrument :
MSVOA_W
ClientSampled :

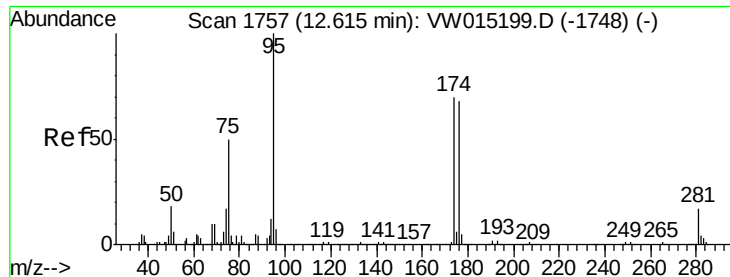
Tot Ion: 98 Resp: 918353
Ion Ratio Lower Upper
98 100
100 67.3 52.9 79.3



#58
2-Chloroethyl Vinyl ether
Concen: 1.372 ug/l
RT: 9.93 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VW015212.D
Acq: 15 Apr 2020 19:41

Tgt Ion: 63 Resp: 2929
Ion Ratio Lower Upper
63 100
106 34.5 22.6 33.8#

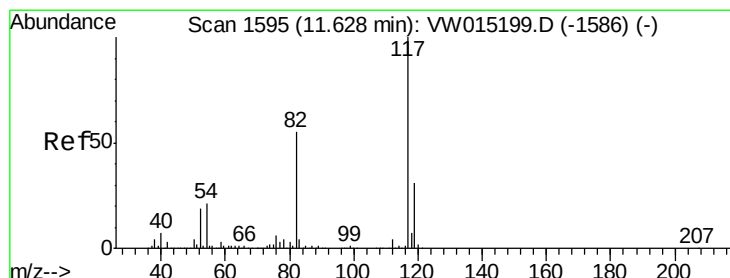
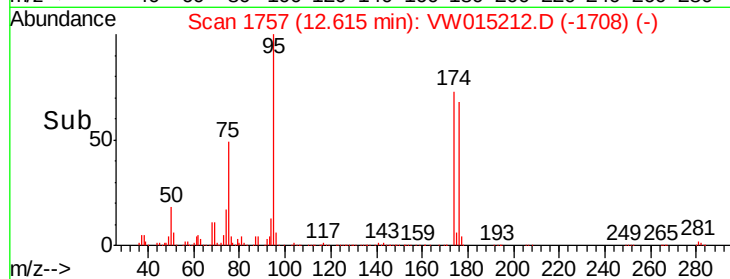
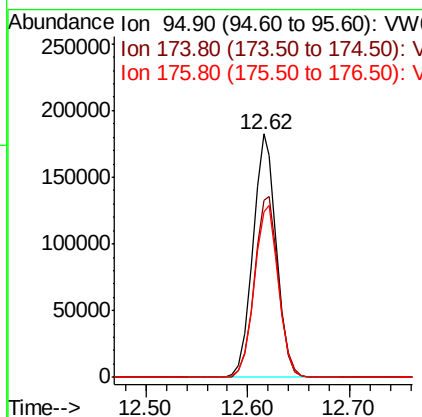
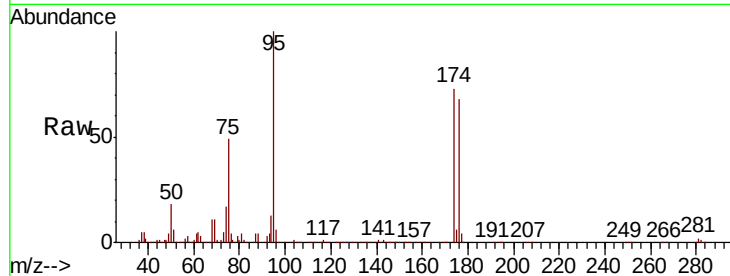




#62
4-Bromofluorobenzene
Concen: 52.479 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW015212.D
Acq: 15 Apr 2020 19:41

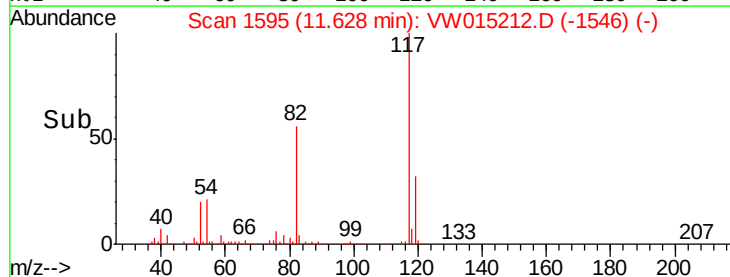
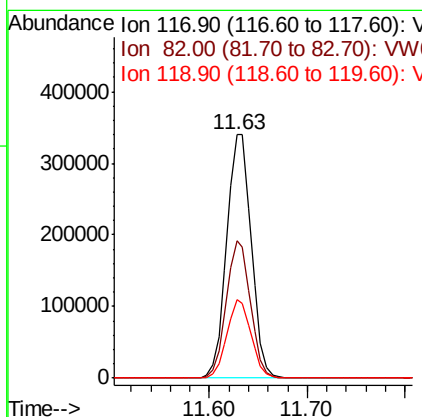
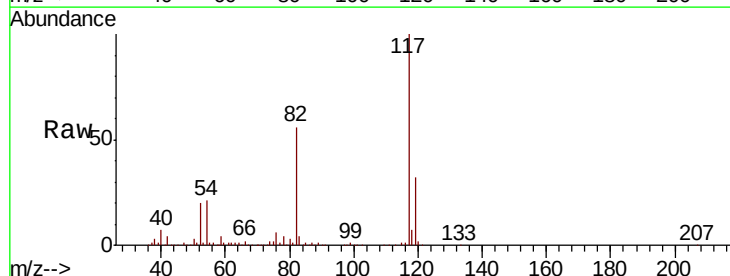
Instrument :
MSVOA_W
ClientSampleId :

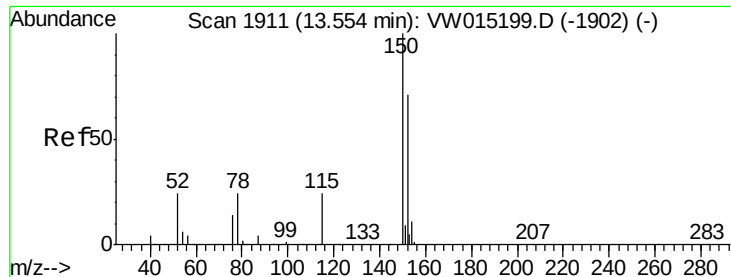
Tot Ion	95	Resp	292515
Ion Ratio	100		
Lower		0.0	144.4
Upper		0.0	140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW015212.D
Acq: 15 Apr 2020 19:41

Tgt Ion	117	Resp	592300
Ion Ratio	100		
Lower		44.1	66.1
Upper		24.9	37.3

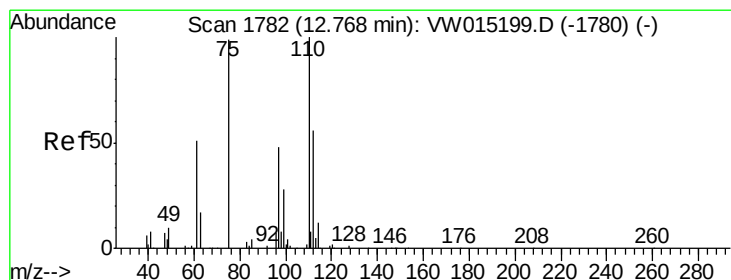
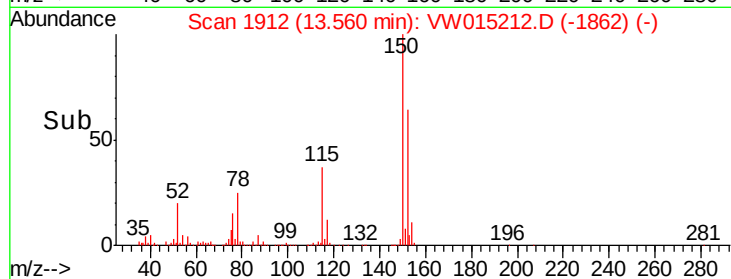
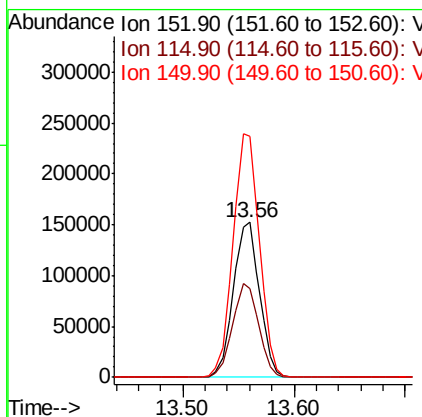
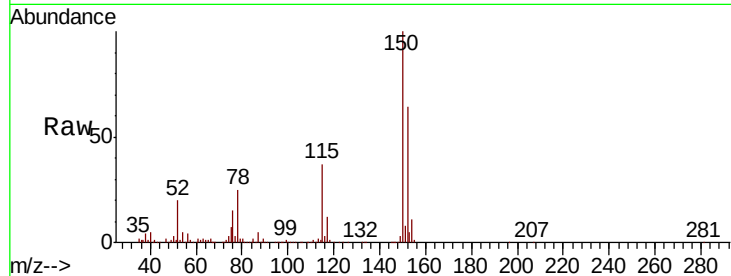




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.01 min
 Lab File: VW015212.D
 Acq: 15 Apr 2020 19:41

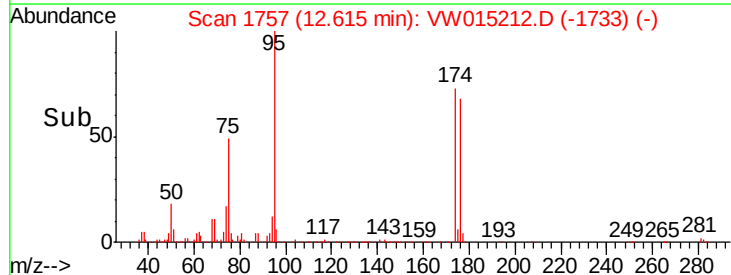
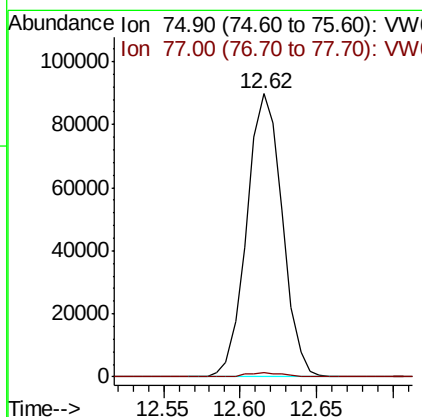
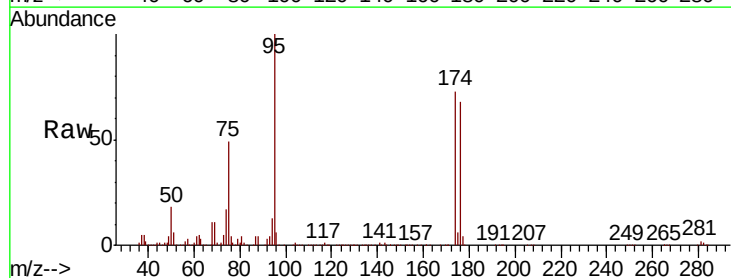
Instrument :
 MSVOA_W
 ClientSampleId :

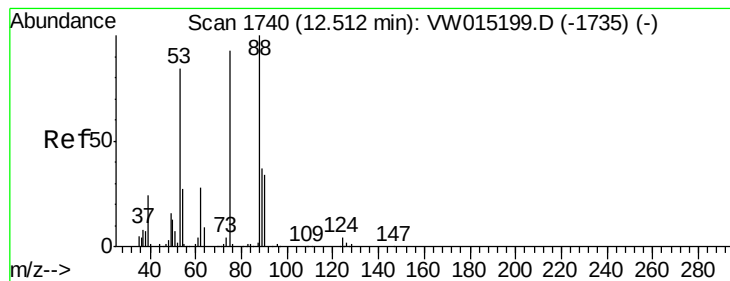
Tot Ion:152 Resp: 247441
 Ion Ratio Lower Upper
 152 100
 115 60.5 31.3 93.9
 150 158.4 0.0 343.4



#76
 1,2,3-Trichloropropane
 Concen: 68.703 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW015212.D
 Acq: 15 Apr 2020 19:41

Tgt Ion: 75 Resp: 145525
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 132.923 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015212.D

Acq: 15 Apr 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

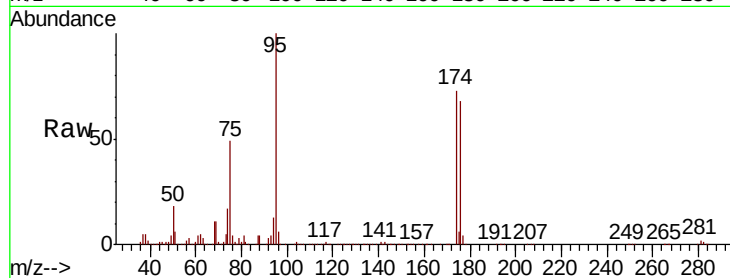
Tot Ion: 75 Resp: 145525

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 34.8 52.2#



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

