

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015255.D
 Acq On : 21 Apr 2020 12:10
 Operator : SY/VA
 Sample : L2314-02
 Misc : 5.76G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 05:55:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	213846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	305471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	272704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	118159	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	86404	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
35) Dibromofluoromethane	7.89	113	88983	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
50) Toluene-d8	10.32	98	367456	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.62	95	117688	43.33	ug/l	0.00
Spiked Amount			Recovery	=	86.66%	

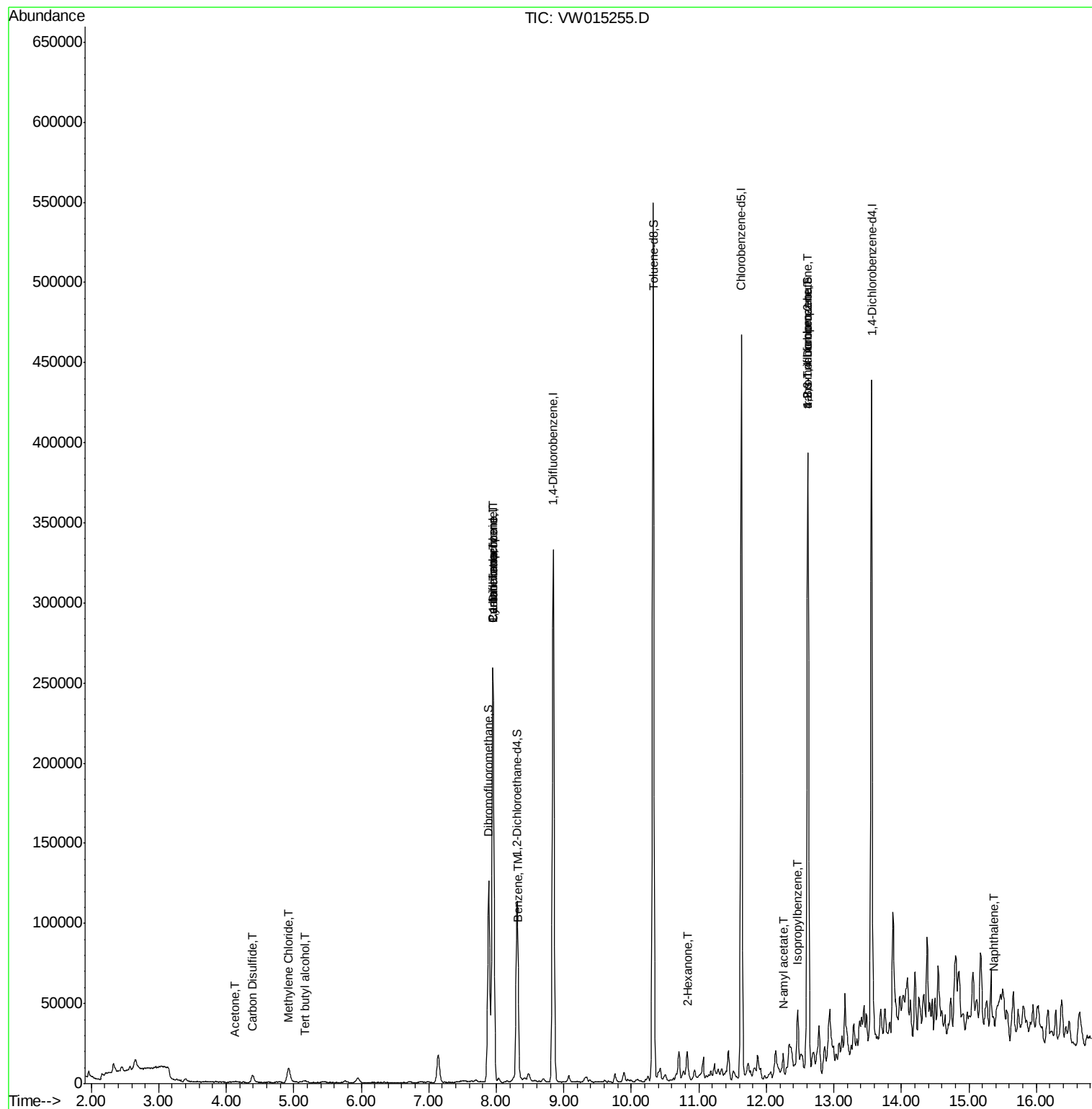
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	2469	17.320	ug/l	97
16) Acetone	4.13	43	873	2.858	ug/l	94
17) Carbon Disulfide	4.39	76	7123	1.314	ug/l	100
20) Methylene Chloride	4.93	84	7401	3.697	ug/l	88
31) Cyclohexane	7.95	56	4262	1.318	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	13719	4.976	ug/l #	50
38) Carbon Tetrachloride	7.95	117	19399	6.439	ug/l #	18
40) Benzene	8.33	78	8192	1.112	ug/l	100
59) 2-Hexanone	10.83	43	9746	15.498	ug/l	73
73) Isopropylbenzene	12.46	105	19740	2.410	ug/l	97
74) N-amyl acetate	12.25	43	2745	1.926	ug/l #	42
76) 1,2,3-Trichloropropane	12.62	75	60187	65.844	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60187	143.935	ug/l #	15
95) Naphthalene	15.36	128	7703	2.120	ug/l #	93

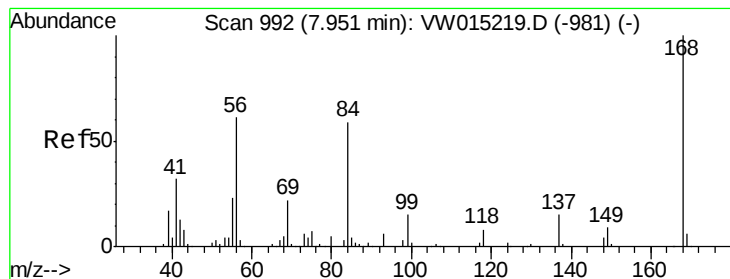
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015255.D

Acq: 21 Apr 2020 12:10

Instrument :

MSVOA_W

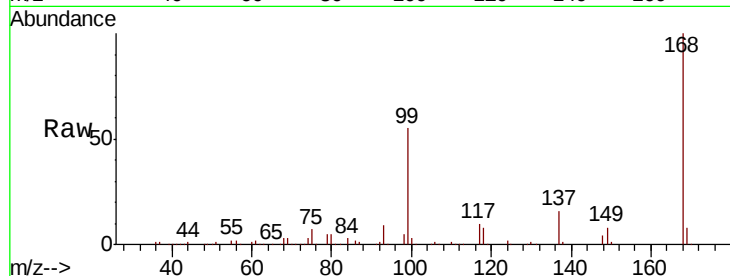
ClientSampleId :

Tot Ion:168 Resp: 213846

Ion Ratio Lower Upper

168 100

99 55.3 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

100000

80000

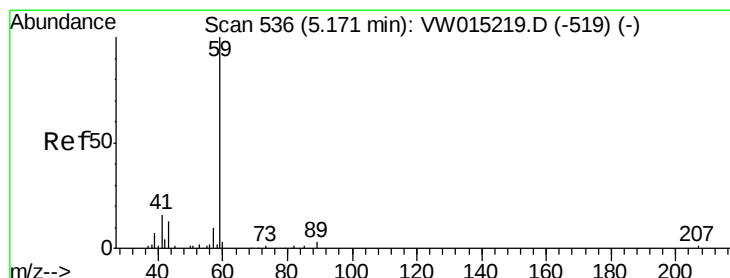
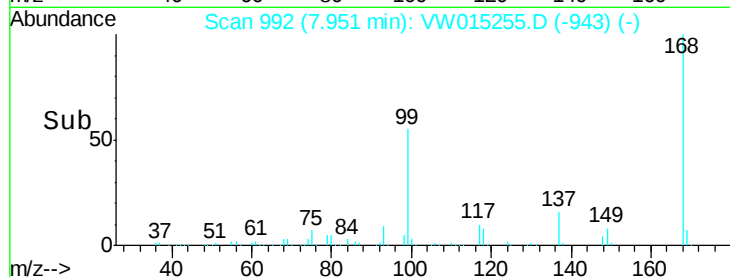
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 17.320 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW015255.D

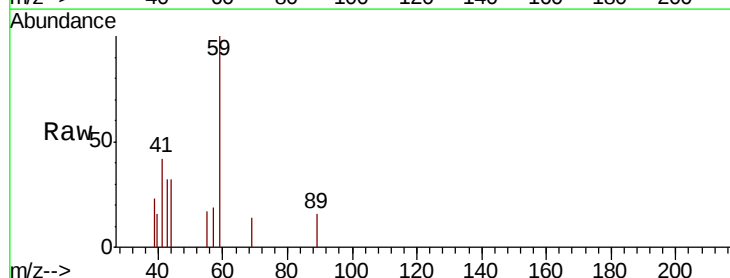
Acq: 21 Apr 2020 12:10

Tgt Ion: 59 Resp: 2469

Ion Ratio Lower Upper

59 100

57 11.6 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

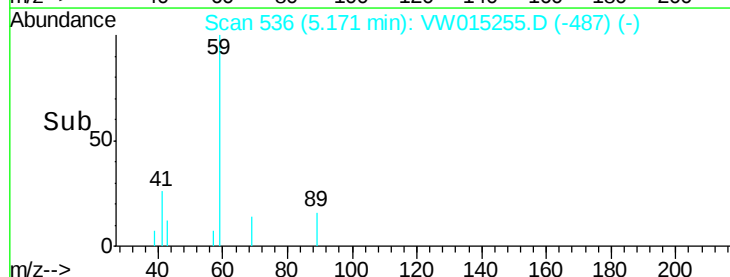
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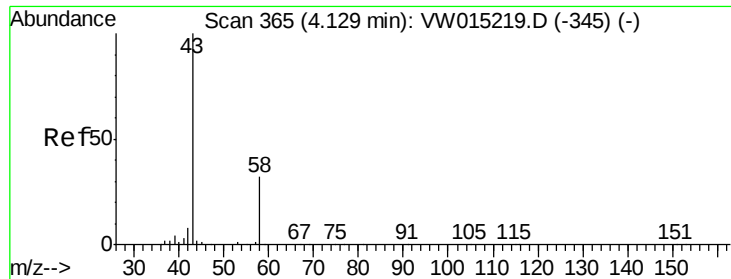
400

200

0

Time-->





#16

Acetone

Concen: 2.858 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW015255.D

Acq: 21 Apr 2020 12:10

Instrument :

MSVOA_W

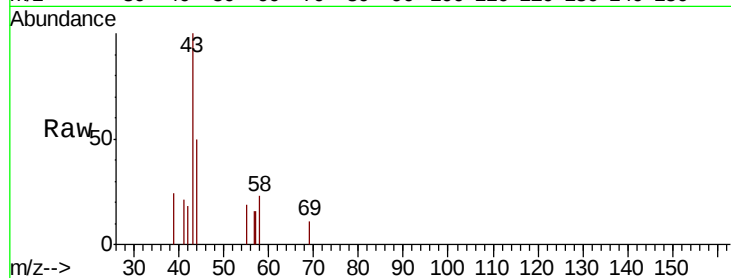
ClientSampled :

Tot Ion: 43 Resp: 873

Ion Ratio Lower Upper

43 100

58 30.0 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

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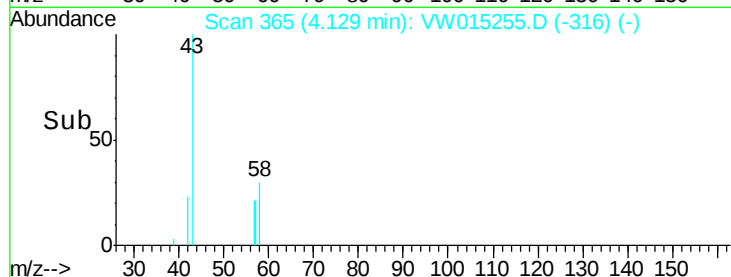
4.13

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4.13



#17

Carbon Disulfide

Concen: 1.314 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW015255.D

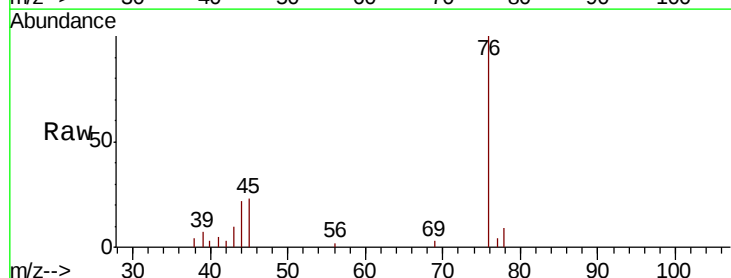
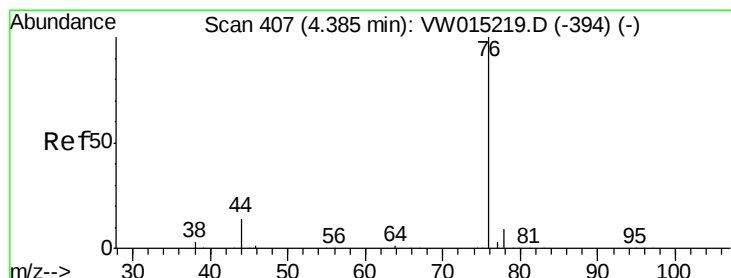
Acq: 21 Apr 2020 12:10

Tgt Ion: 76 Resp: 7123

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

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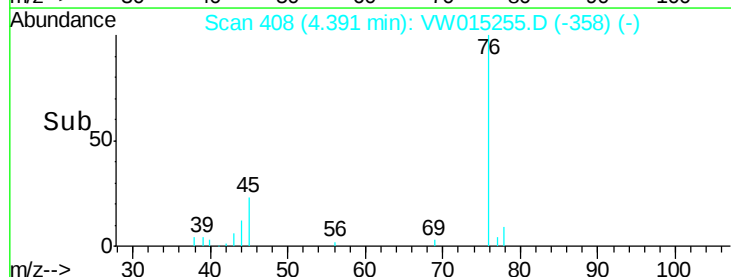
4.39

4.39

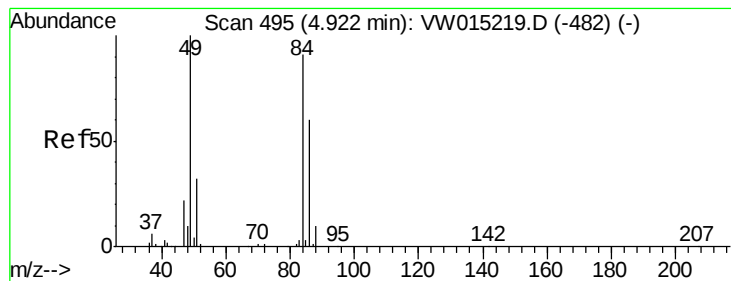
4.39

4.39

4.39



Time-->



#20

Methvlene Chloride

Concen: 3.697 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW015255.D

Acq: 21 Apr 2020 12:10

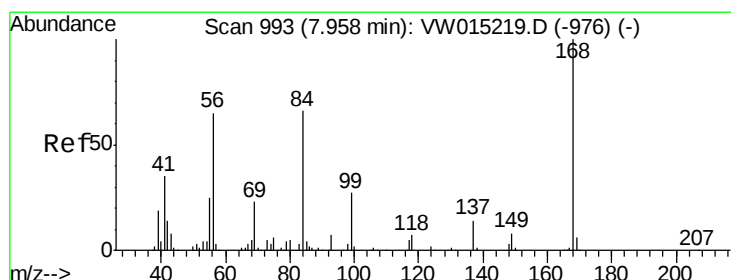
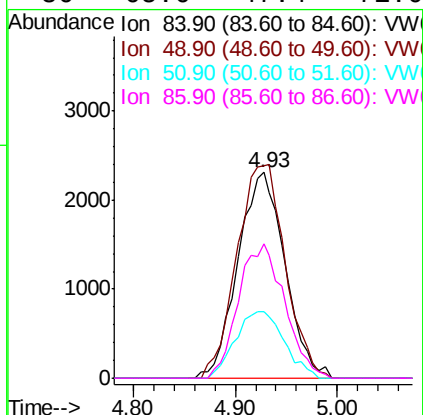
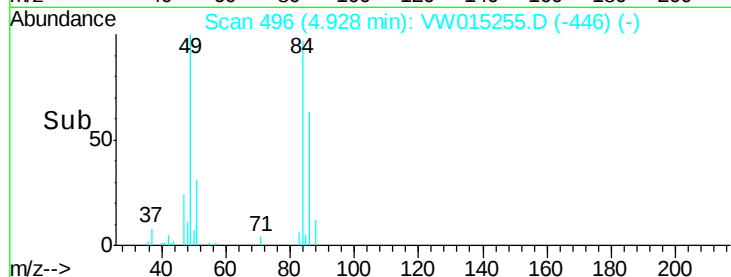
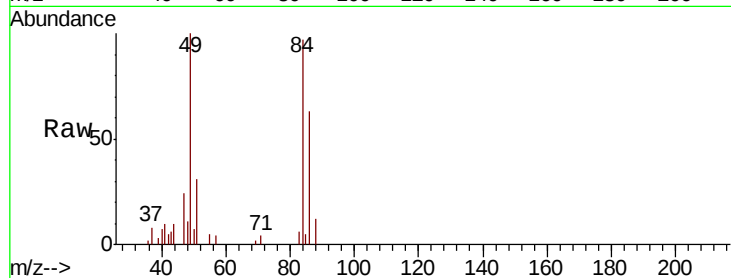
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 7401

Ion	Ratio	Lower	Upper
84	100		
49	103.4	95.4	143.0
51	32.3	29.8	44.8
86	65.6	47.4	71.0



#31

Cyclohexane

Concen: 1.318 ug/l

RT: 7.95 min Scan# 991

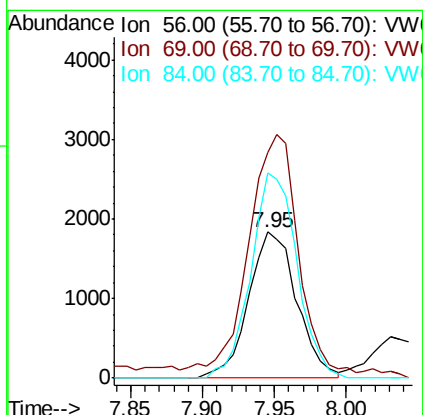
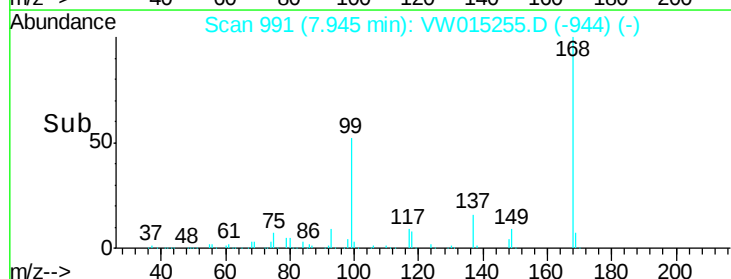
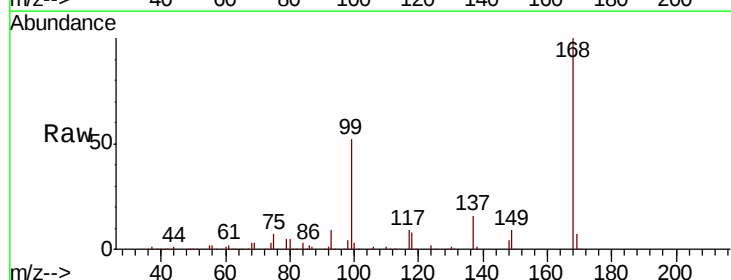
Delta R.T. -0.01 min

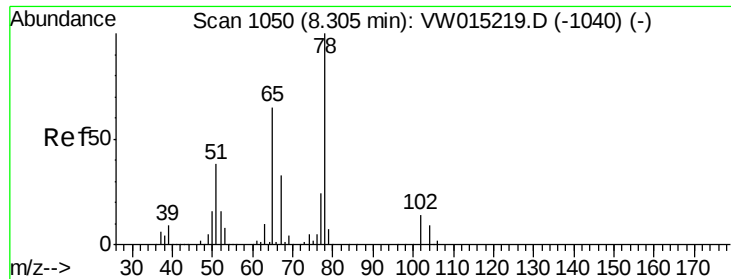
Lab File: VW015255.D

Acq: 21 Apr 2020 12:10

Tgt Ion: 56 Resp: 4262

Ion	Ratio	Lower	Upper
56	100		
69	147.8	27.1	40.7#
84	140.7	71.9	107.9#

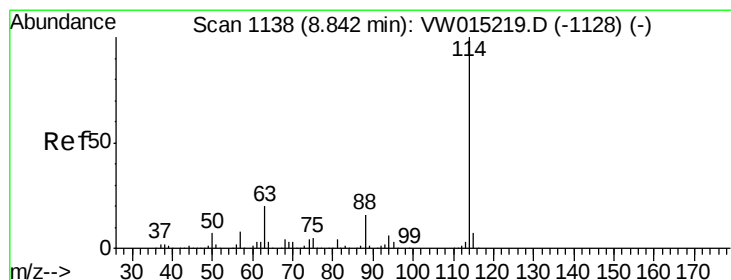
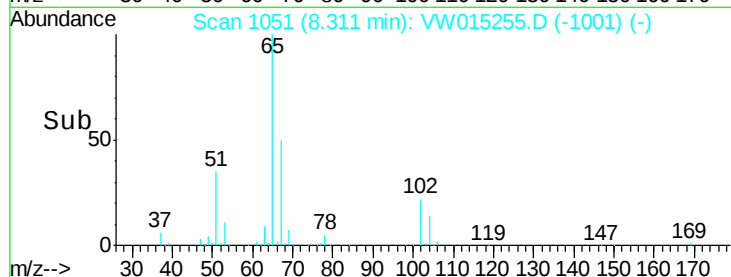
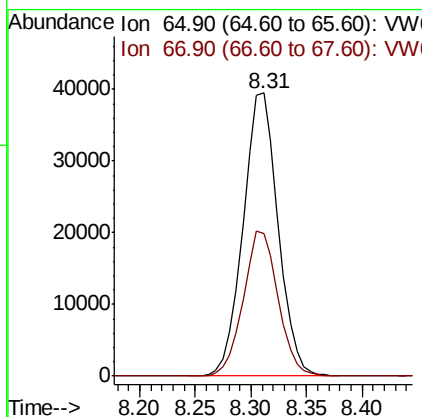
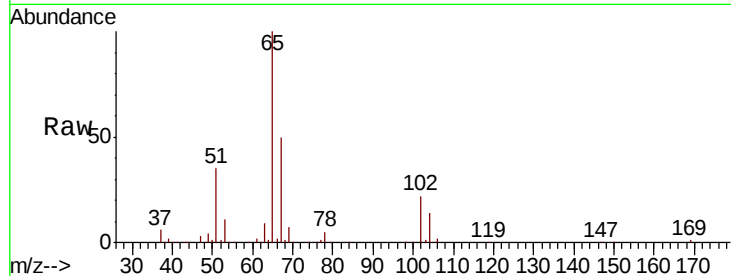




#33
 1,2-Dichloroethane-d4
 Concen: 49.410 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW015255.D
 Acq: 21 Apr 2020 12:10

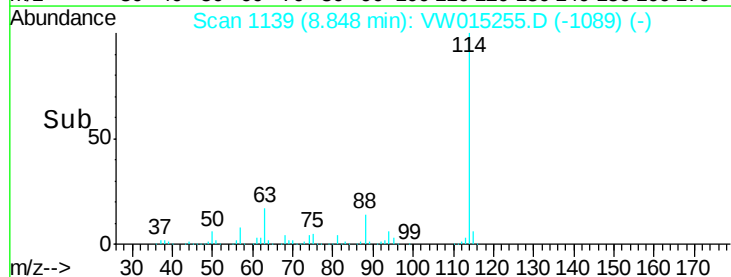
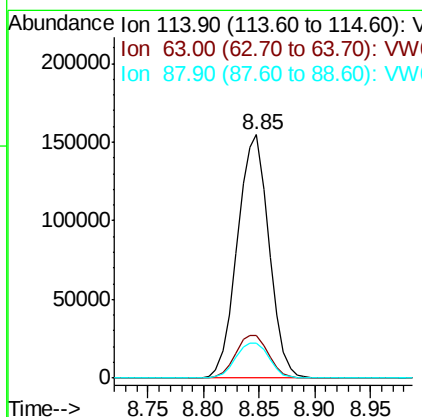
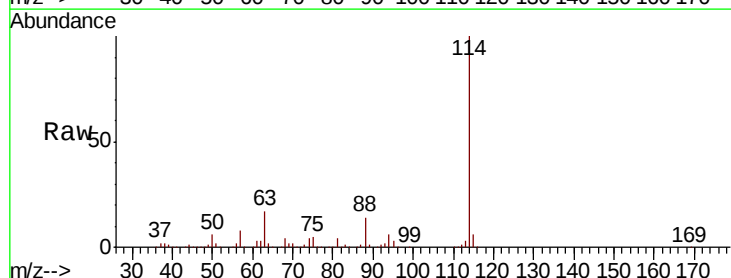
Instrument :
 MSVOA_W
 ClientSampleId :

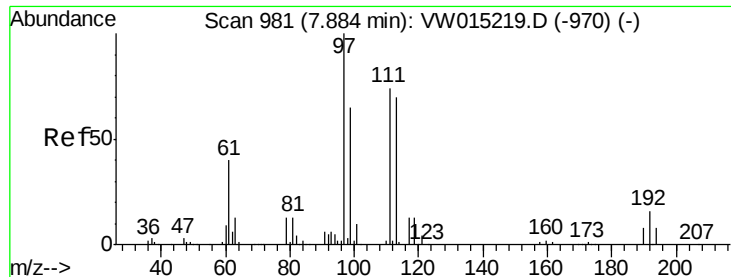
Tot Ion: 65 Resp: 86404
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW015255.D
 Acq: 21 Apr 2020 12:10

Tgt Ion: 114 Resp: 305471
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 39.8
 88 14.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.589 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015255.D

Acq: 21 Apr 2020 12:10

Instrument :
MSVOA_W
ClientSampleId :

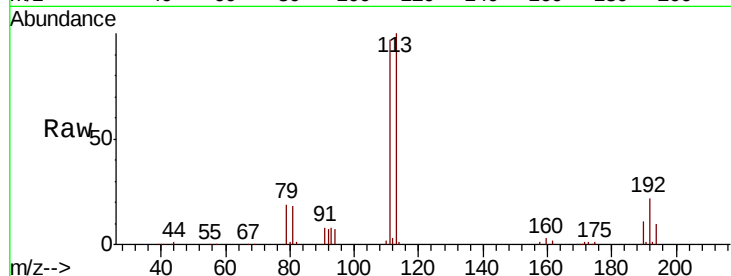
Tot Ion:113 Resp: 88983

Ion Ratio Lower Upper

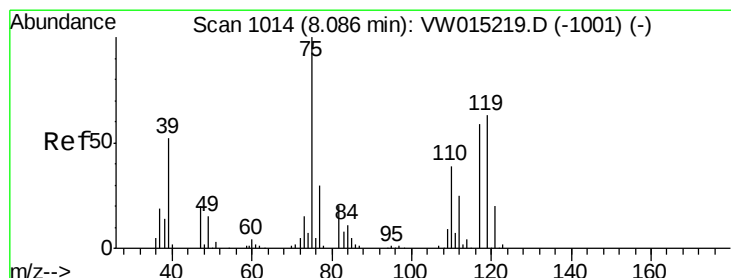
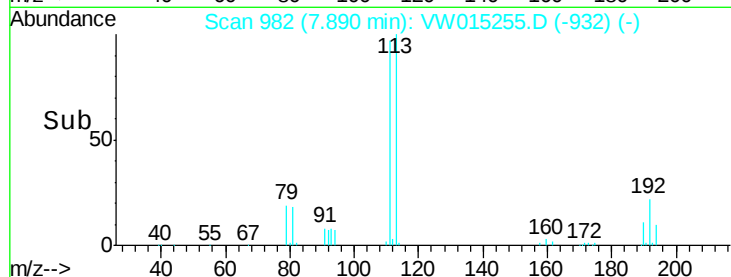
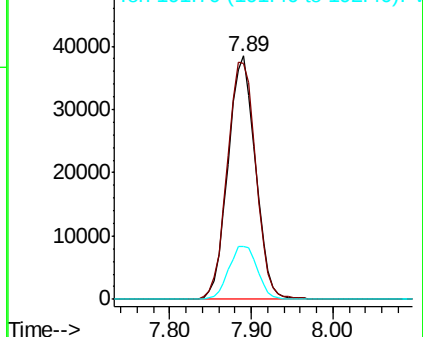
113 100

111 101.7 83.0 124.4

192 22.8 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: 4.976 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015255.D

Acq: 21 Apr 2020 12:10

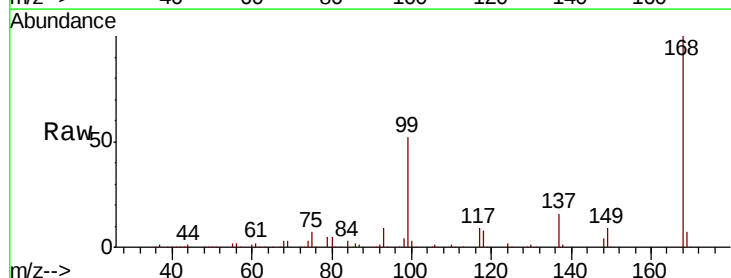
Tgt Ion: 75 Resp: 13719

Ion Ratio Lower Upper

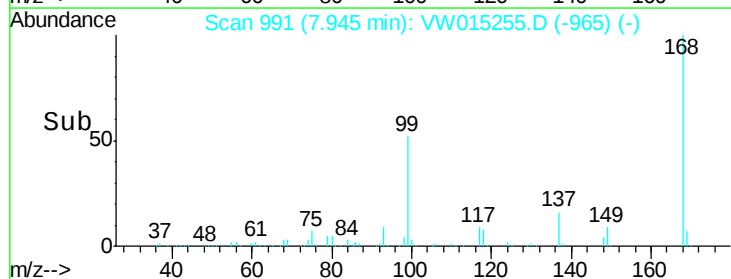
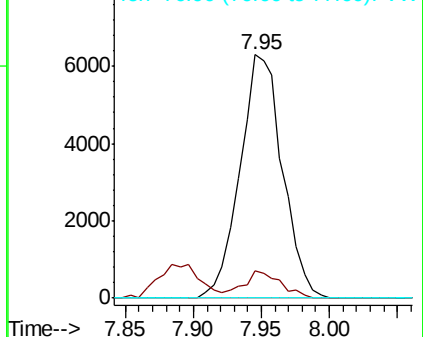
75 100

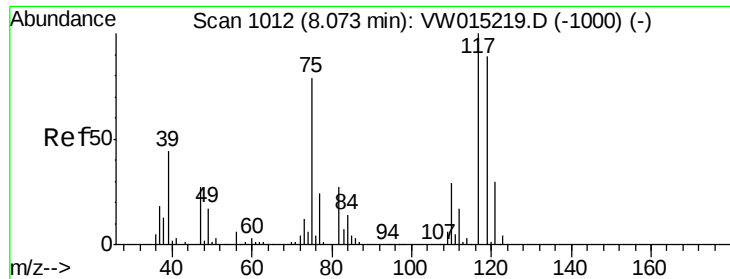
110 9.7 18.2 54.6#

77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

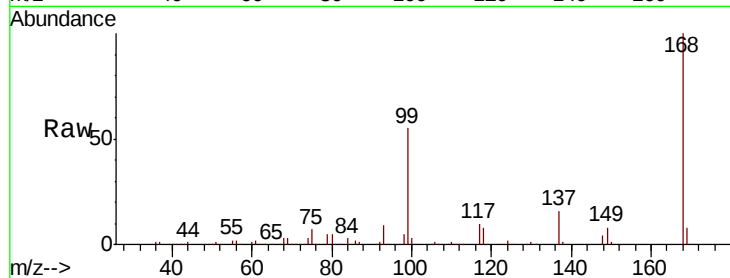




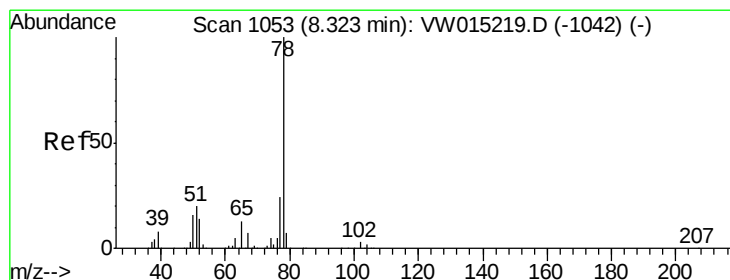
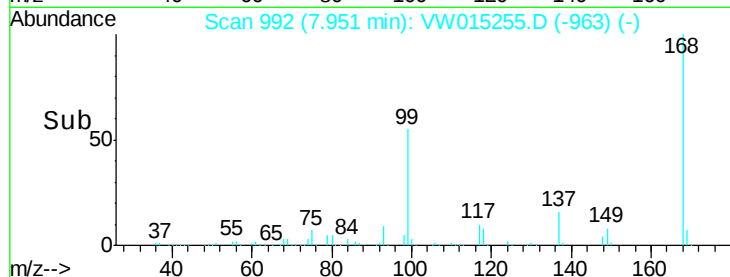
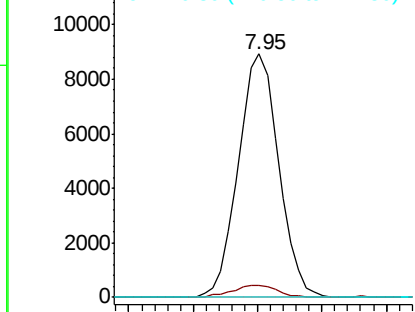
#38
Carbon Tetrachloride
Concen: 6.439 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015255.D
Acq: 21 Apr 2020 12:10

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 19399
Ion Ratio Lower Upper
117 100
119 5.0 72.3 108.5#
121 0.0 23.7 35.5#

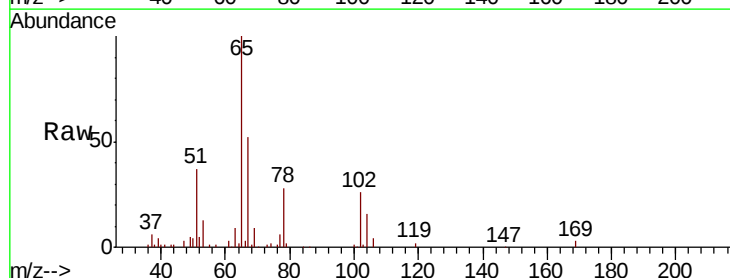


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

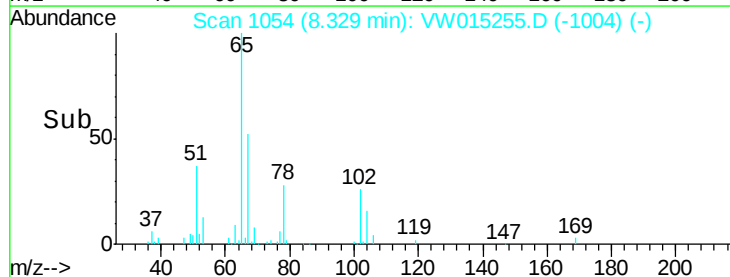
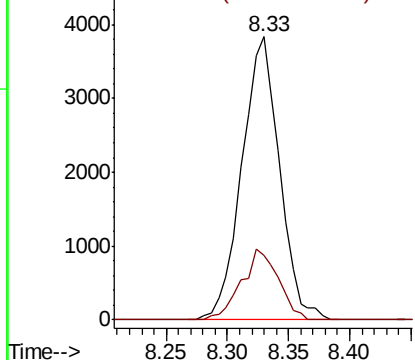


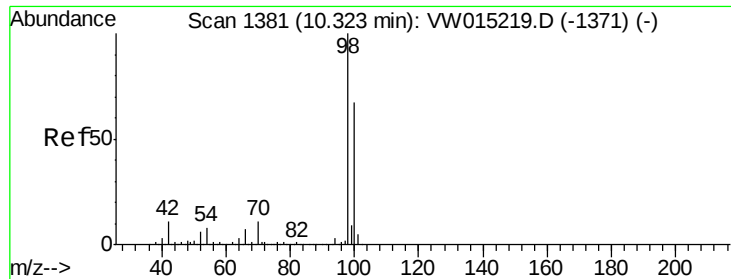
#40
Benzene
Concen: 1.112 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW015255.D
Acq: 21 Apr 2020 12:10

Tgt Ion: 78 Resp: 8192
Ion Ratio Lower Upper
78 100
77 22.8 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

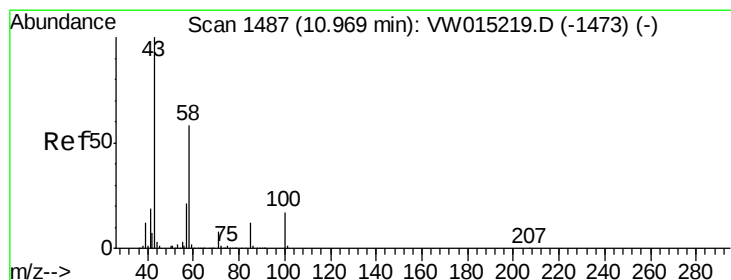
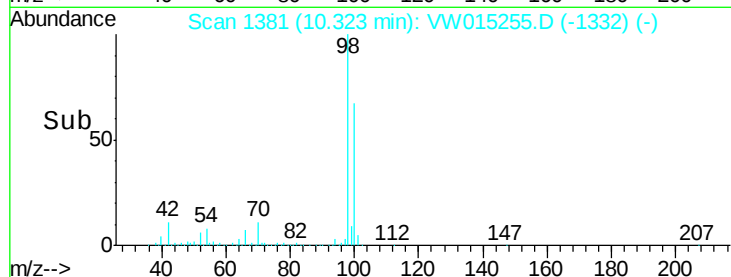
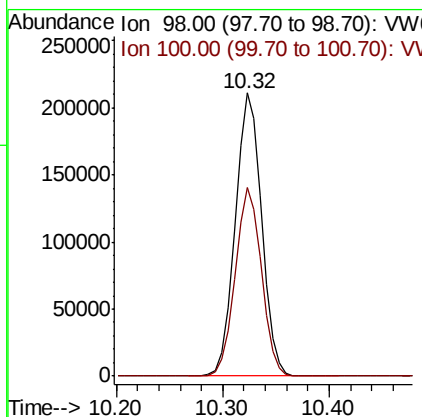
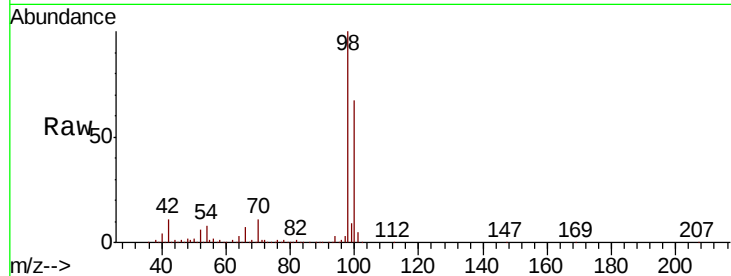




#50
Toluene-d8
Concen: 51.624 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015255.D
Acq: 21 Apr 2020 12:10

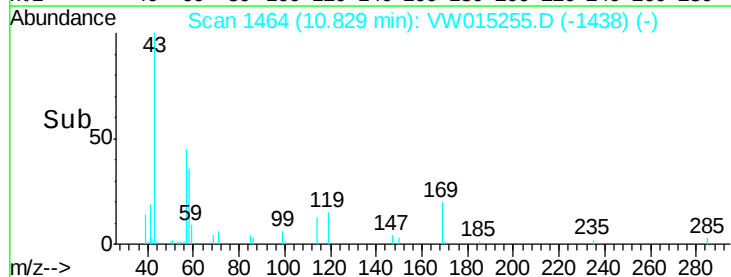
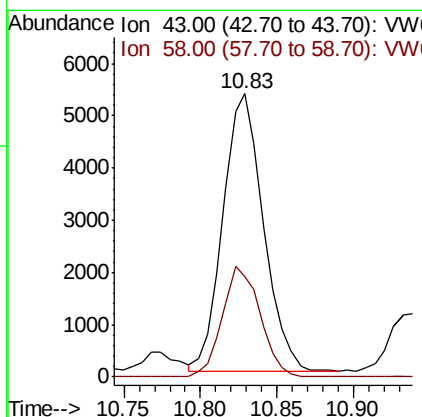
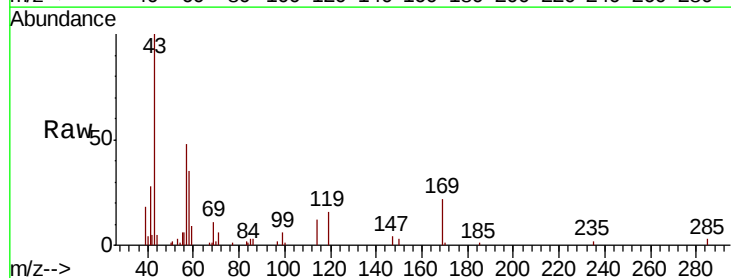
Instrument :
MSVOA_W
ClientSampleId :

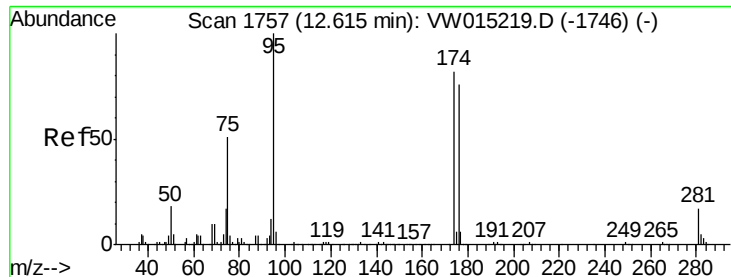
Tot Ion: 98 Resp: 367456
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



#59
2-Hexanone
Concen: 15.498 ug/l
RT: 10.83 min Scan# 1464
Delta R.T. -0.14 min
Lab File: VW015255.D
Acq: 21 Apr 2020 12:10

Tgt Ion: 43 Resp: 9746
Ion Ratio Lower Upper
43 100
58 36.8 28.1 84.3





#62

4-Bromofluorobenzene

Concen: 43.334 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015255.D

Acq: 21 Apr 2020 12:10

Instrument :

MSVOA_W

ClientSampled :

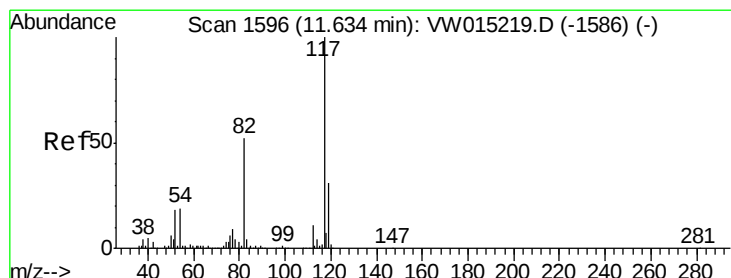
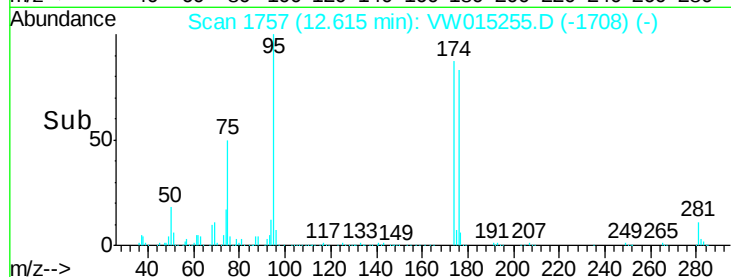
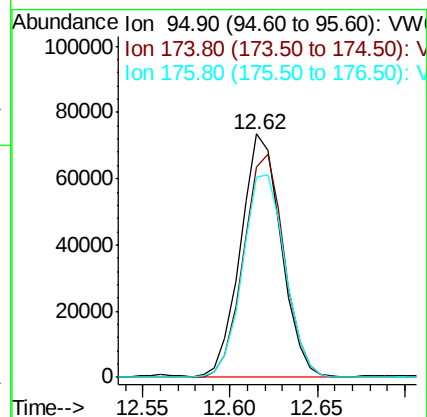
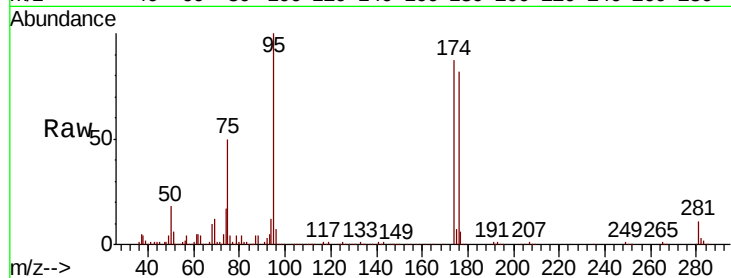
Tot Ion: 95 Resp: 117688

Ion Ratio Lower Upper

95 100

174 92.8 0.0 144.4

176 87.7 0.0 140.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW015255.D

Acq: 21 Apr 2020 12:10

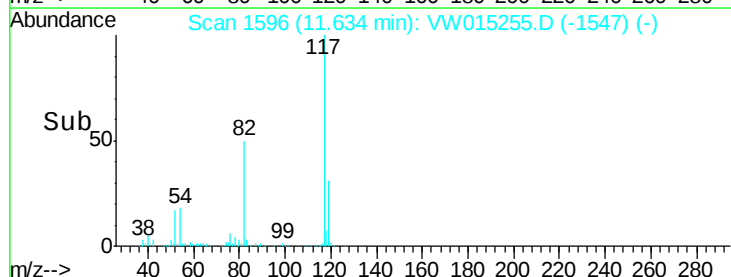
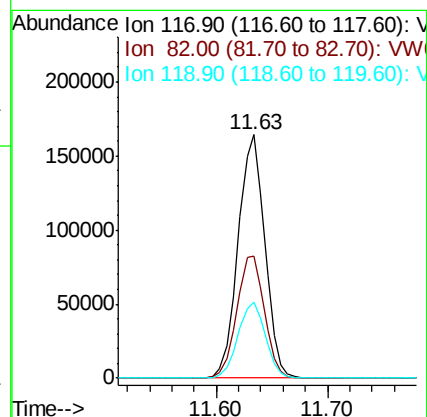
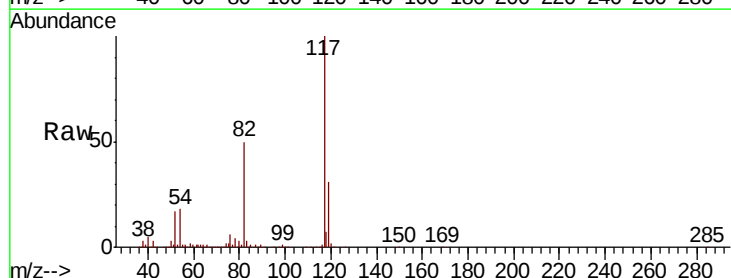
Tgt Ion: 117 Resp: 272704

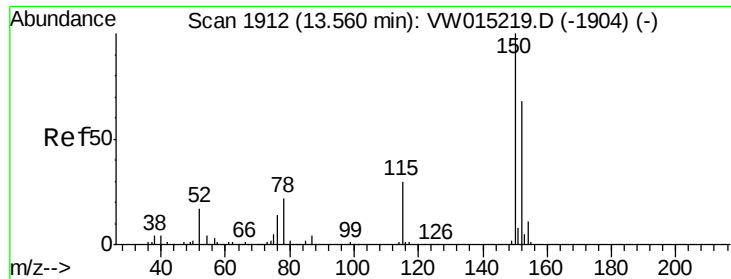
Ion Ratio Lower Upper

117 100

82 50.2 44.1 66.1

119 31.2 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015255.D

Acq: 21 Apr 2020 12:10

Instrument :

MSVOA_W

ClientSampleId :

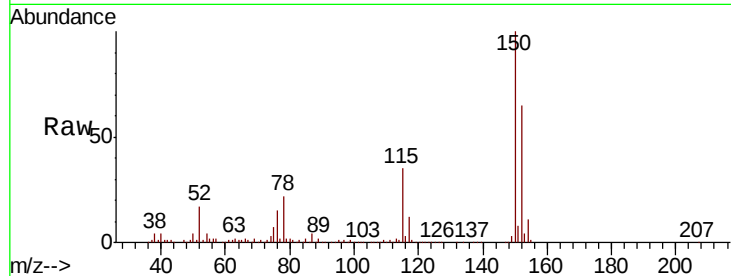
Tot Ion:152 Resp: 118159

Ion Ratio Lower Upper

152 100

115 56.6 31.3 93.9

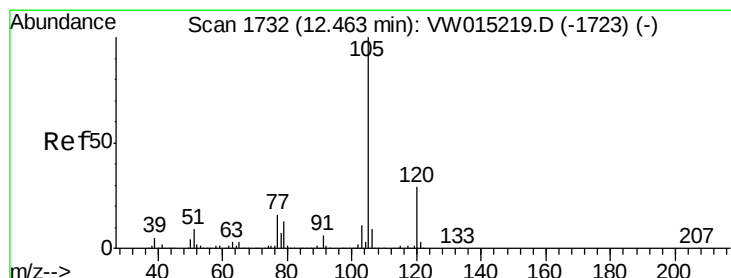
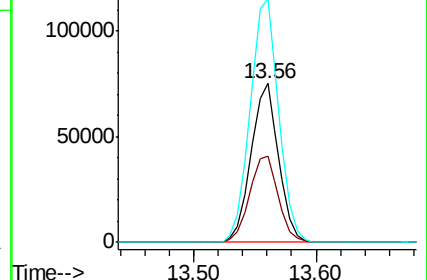
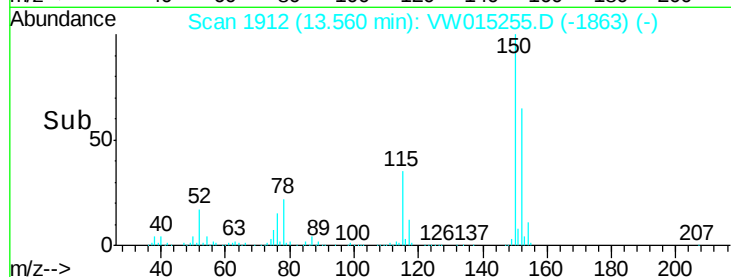
150 158.3 0.0 343.4



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



#73

Isopropylbenzene

Concen: 2.410 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015255.D

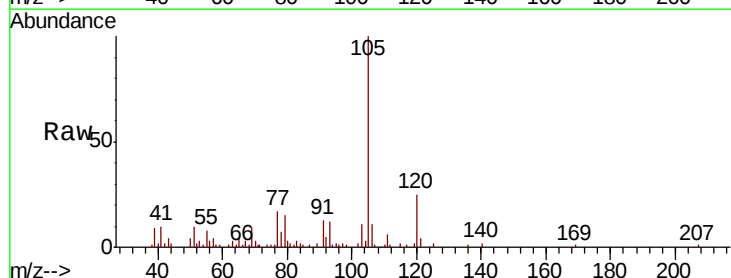
Acq: 21 Apr 2020 12:10

Tgt Ion:105 Resp: 19740

Ion Ratio Lower Upper

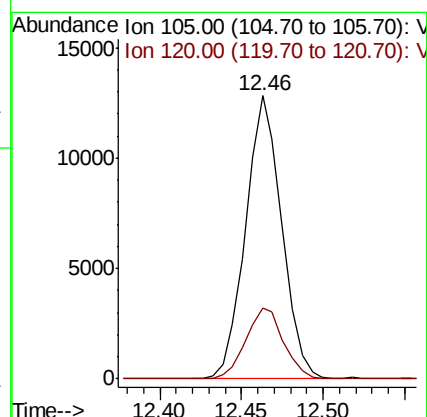
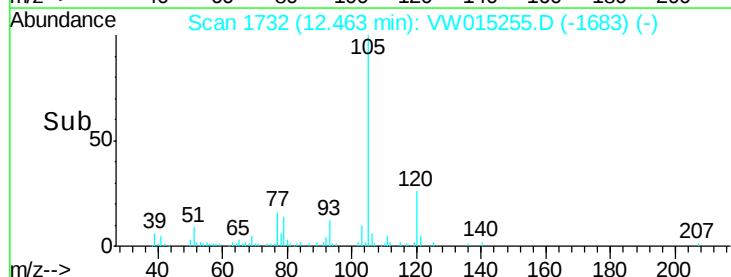
105 100

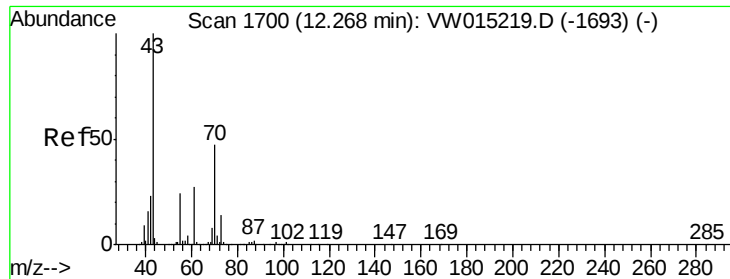
120 25.9 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 1.926 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW015255.D

Acq: 21 Apr 2020 12:10

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 2745

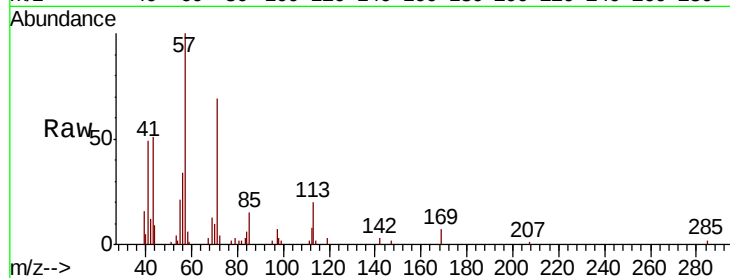
Ion Ratio Lower Upper

43 100

70 0.0 35.4 53.2#

55 0.0 18.5 27.7#

61 0.0 20.3 30.5#



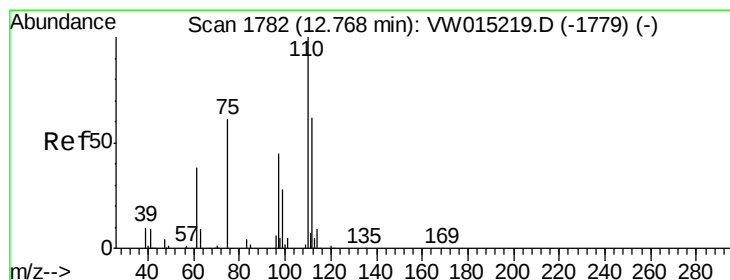
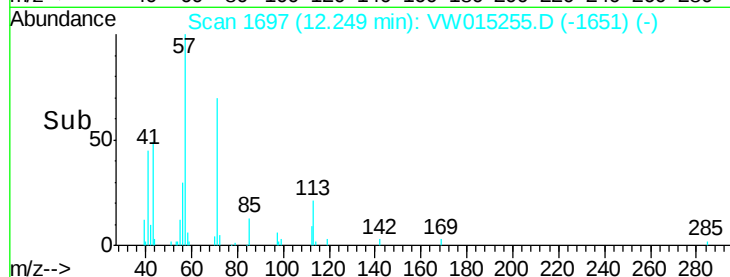
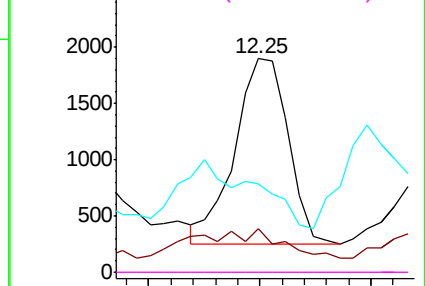
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 65.844 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015255.D

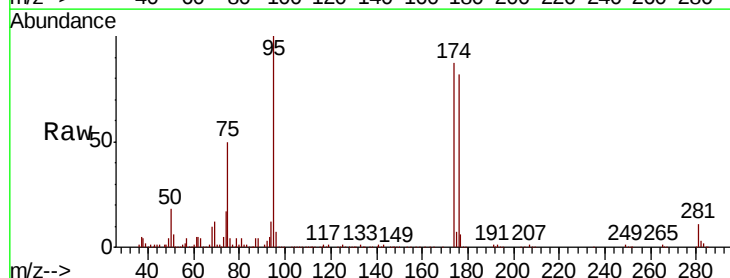
Acq: 21 Apr 2020 12:10

Tgt Ion: 75 Resp: 60187

Ion Ratio Lower Upper

75 100

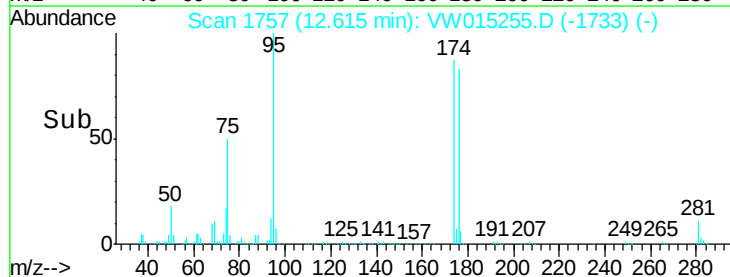
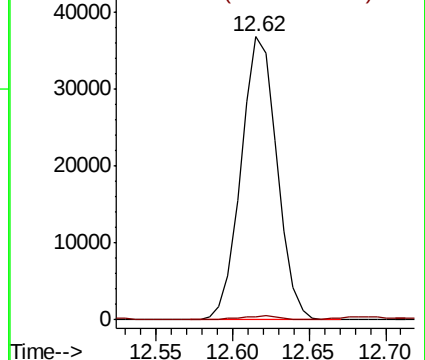
77 1.7 0.0 0.0#

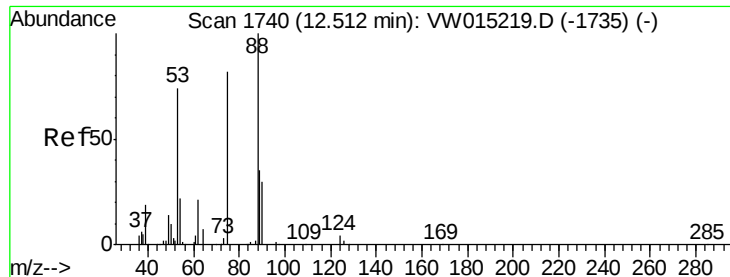


Abundance

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: 143.935 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015255.D

Acq: 21 Apr 2020 12:10

Instrument :

MSVOA_W

ClientSampleId :

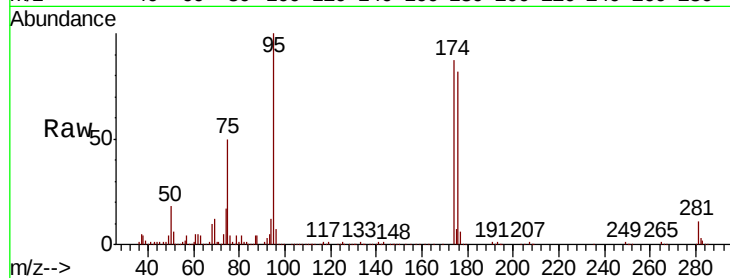
Tot Ion: 75 Resp: 60187

Ion Ratio Lower Upper

75 100

53 0.7 69.4 104.2#

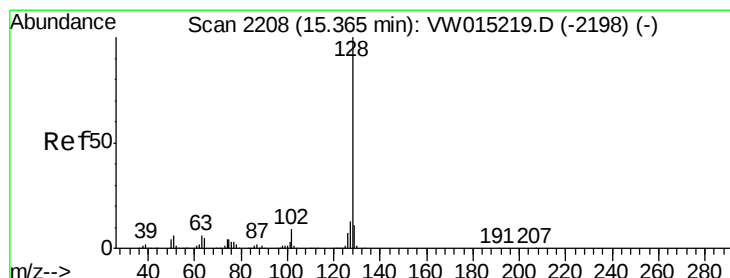
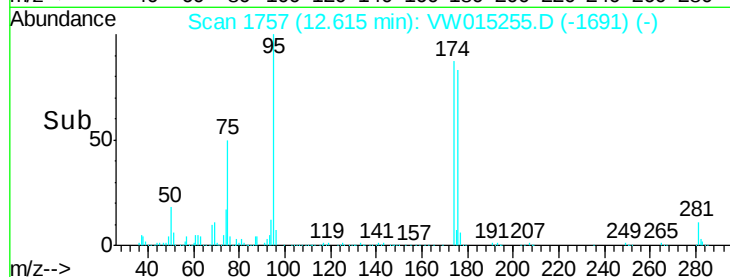
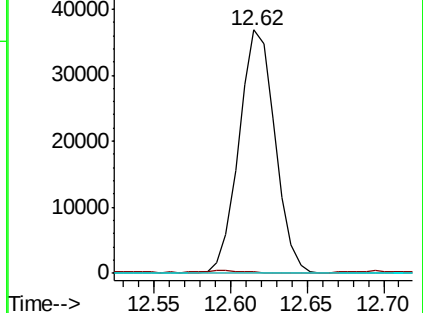
89 0.0 34.8 52.2#



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



#95

Naphthalene

Concen: 2.120 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015255.D

Acq: 21 Apr 2020 12:10

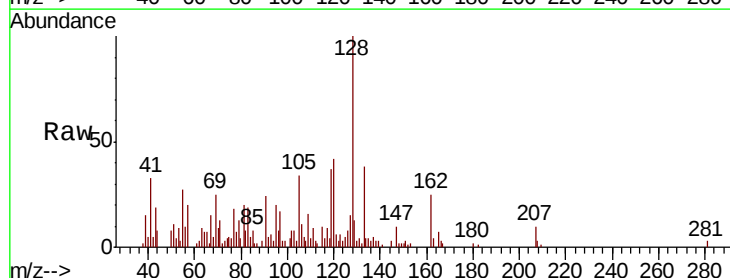
Tgt Ion: 128 Resp: 7703

Ion Ratio Lower Upper

128 100

127 9.5 10.3 15.5#

129 8.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

