

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015237.D
 Acq On : 20 Apr 2020 21:22
 Operator : SY/VA
 Sample : L2346-08
 Misc : 4.99G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-5A

Quant Time: Apr 21 06:58:25 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	202741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	287381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	259823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	113866	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	80103	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
35) Dibromofluoromethane	7.88	113	81034	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
50) Toluene-d8	10.32	98	349402	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.62	95	116590	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	

Target Compounds

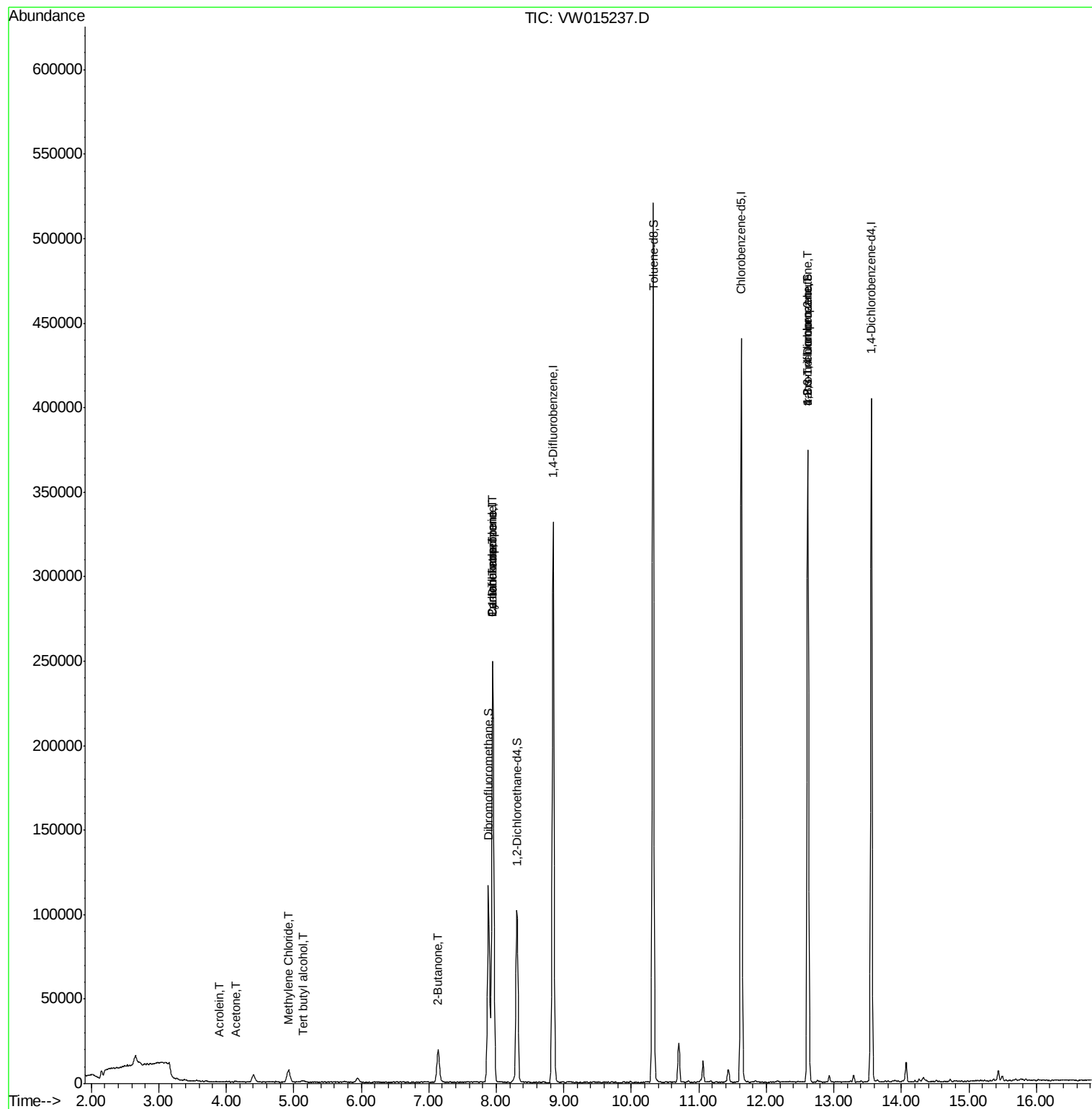
					Qvalue	
11) Tert butyl alcohol	5.13	59	826	6.112	ug/l #	52
13) Acrolein	3.89	56	79	1.117	ug/l #	50
16) Acetone	4.14	43	622	2.148	ug/l	96
20) Methylene Chloride	4.92	84	6209	3.272	ug/l	93
25) 2-Butanone	7.14	43	863	2.246	ug/l #	48
31) Cyclohexane	7.95	56	4011	1.308	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13848	5.339	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18186	6.416	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	58147	66.010	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	58147	144.299	ug/l #	15

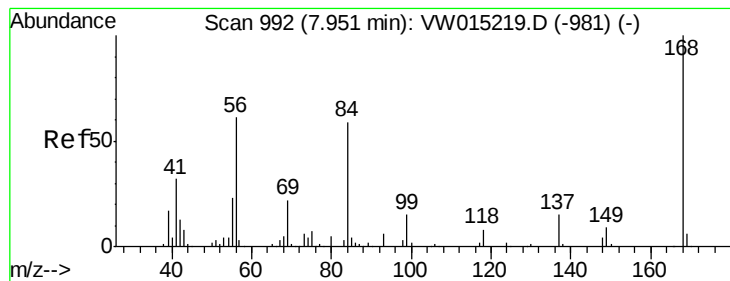
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042020\
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MSVOA_W
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S-5A

Quant Time: Apr 21 06:58:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
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# 991

Delta R.T. -0.01 min

Lab File: VW015237.D

Acq: 20 Apr 2020 21:22

Instrument :

MSVOA_W

ClientSampled :

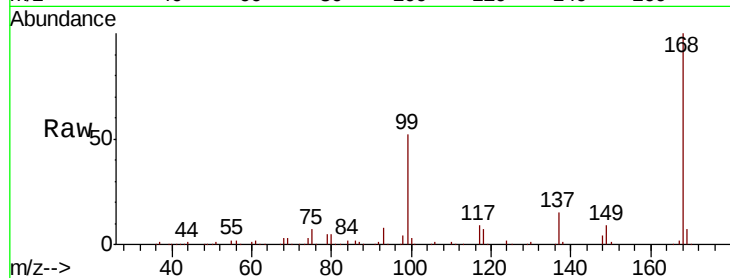
S-5A

Tot Ion:168 Resp: 202741

Ion Ratio Lower Upper

168 100

99 52.4 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

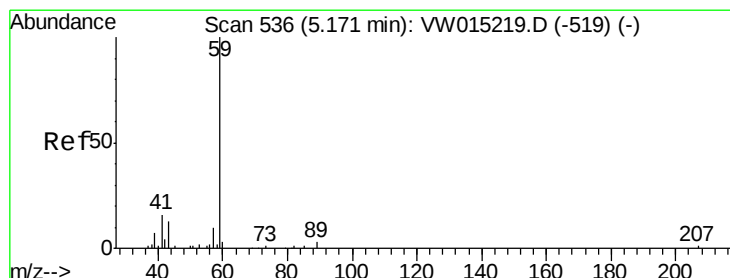
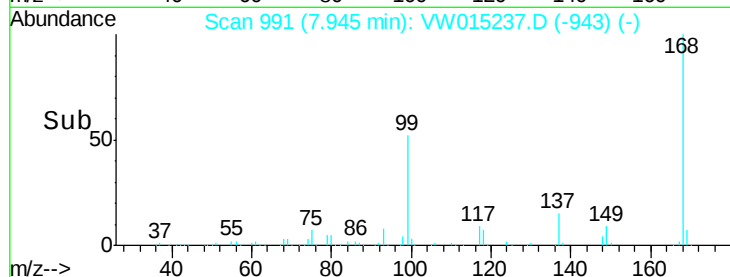
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 6.112 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.04 min

Lab File: VW015237.D

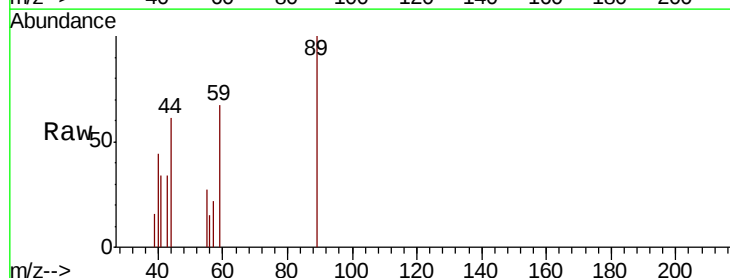
Acq: 20 Apr 2020 21:22

Tgt Ion: 59 Resp: 826

Ion Ratio Lower Upper

59 100

57 28.6 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

250

200

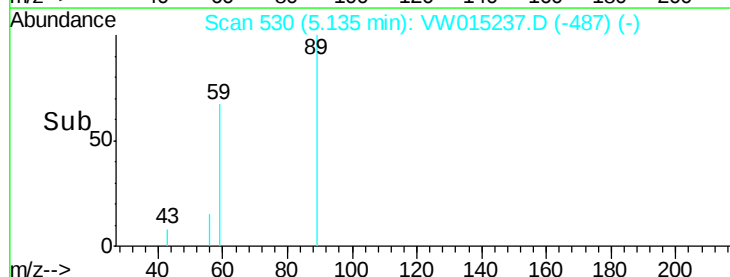
150

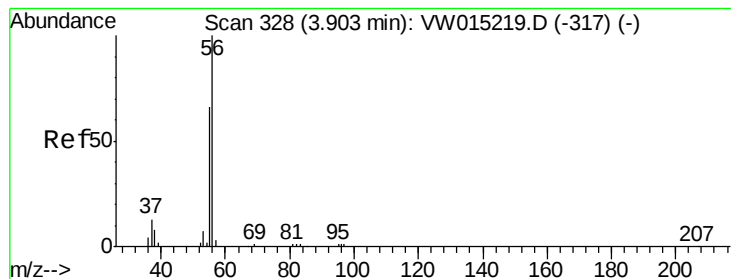
100

50

0

Time--> 5.05 5.10 5.15 5.20





#13

Acrolein

Concen: 1.117 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW015237.D

Acq: 20 Apr 2020 21:22

Instrument :

MSVOA_W

ClientSampled :

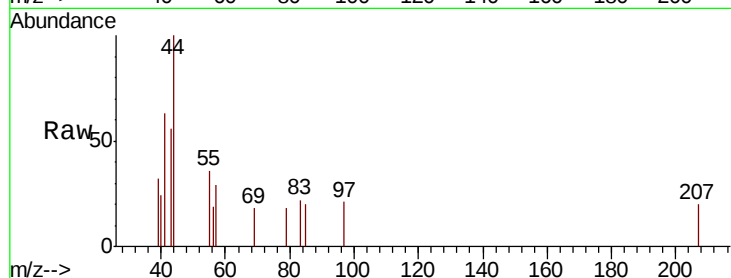
S-5A

Tot Ion: 56 Resp: 79

Ion Ratio Lower Upper

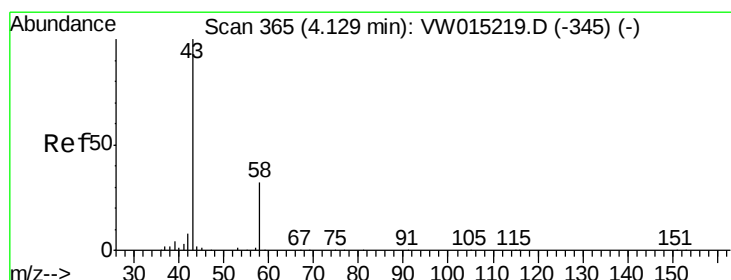
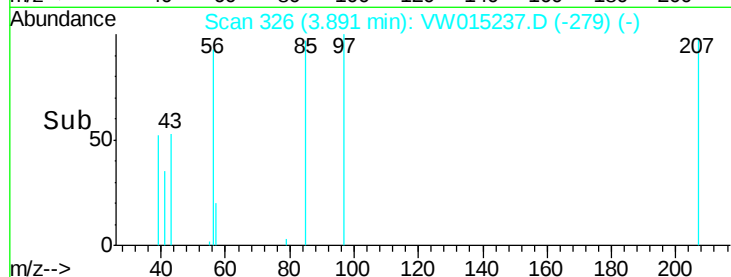
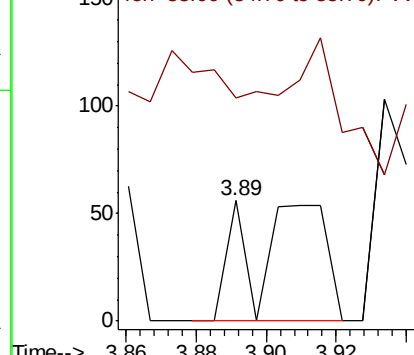
56 100

55 29.1 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: 2.148 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015237.D

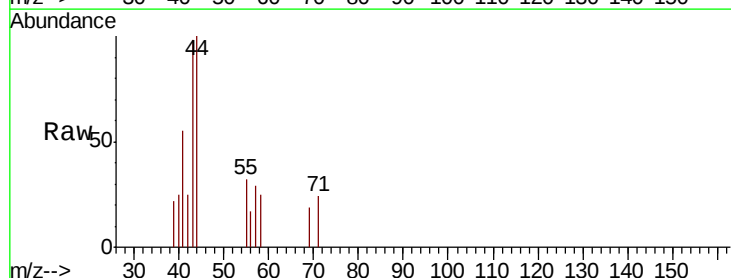
Acq: 20 Apr 2020 21:22

Tgt Ion: 43 Resp: 622

Ion Ratio Lower Upper

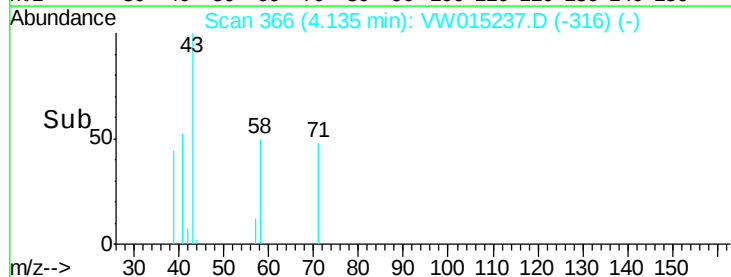
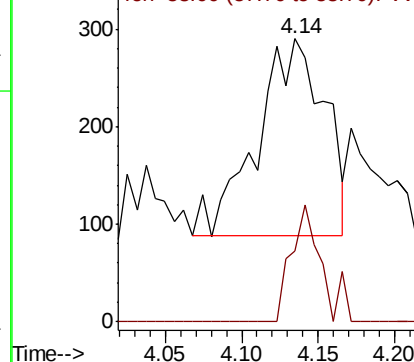
43 100

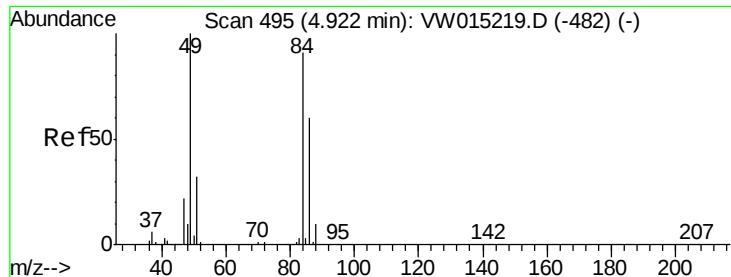
58 36.1 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

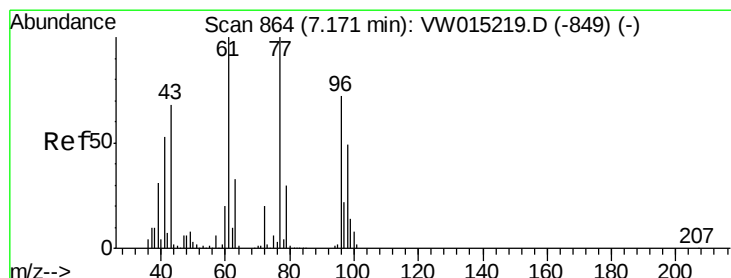
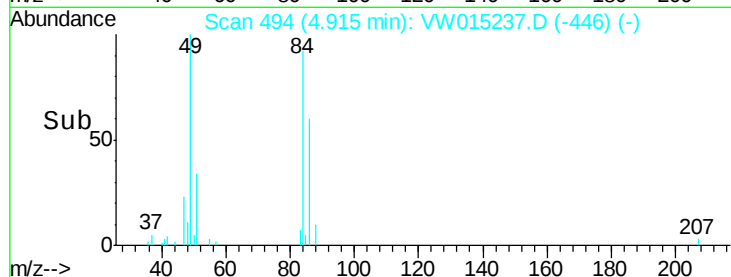
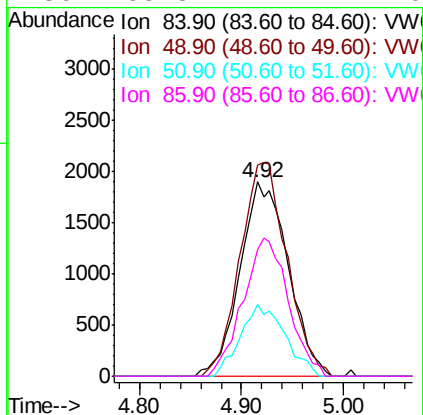
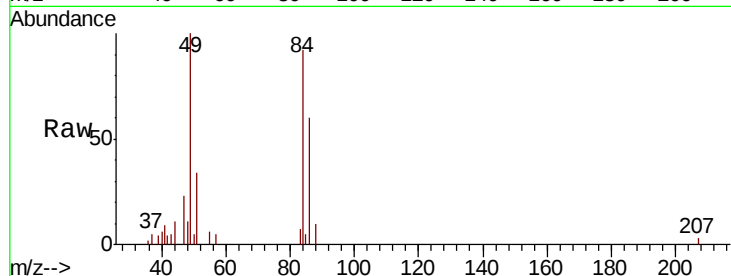




#20
Methvlene Chloride
Concen: 3.272 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015237.D
Acq: 20 Apr 2020 21:22

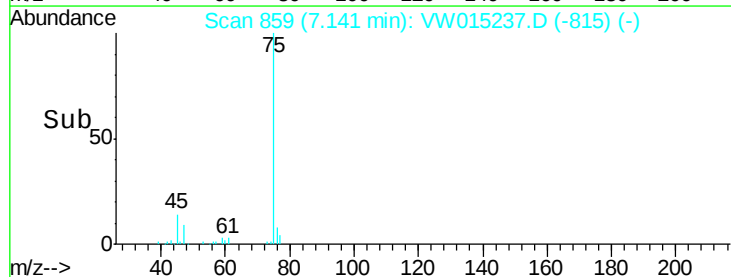
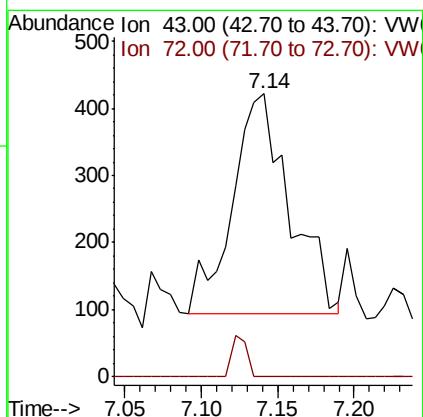
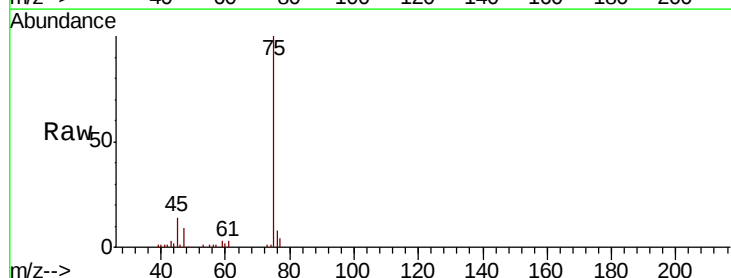
Instrument :
MSVOA_W
ClientSampled :
S-5A

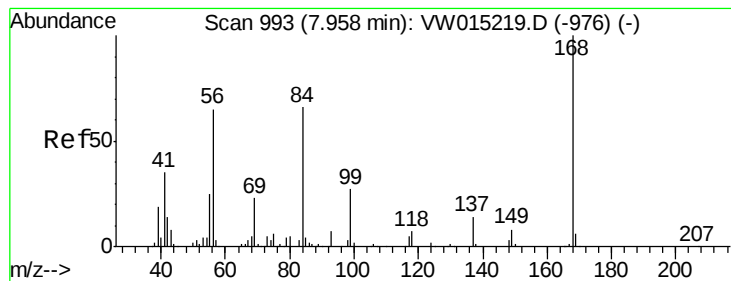
Tot Ion: 84 Resp: 6209
Ion Ratio Lower Upper
84 100
49 109.1 95.4 143.0
51 37.1 29.8 44.8
86 65.3 47.4 71.0



#25
2-Butanone
Concen: 2.246 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW015237.D
Acq: 20 Apr 2020 21:22

Tgt Ion: 43 Resp: 863
Ion Ratio Lower Upper
43 100
72 0.0 21.6 32.4#





#31

Cyclohexane

Concen: 1.308 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015237.D

Acq: 20 Apr 2020 21:22

Instrument :

MSVOA_W

ClientSampled :

S-5A

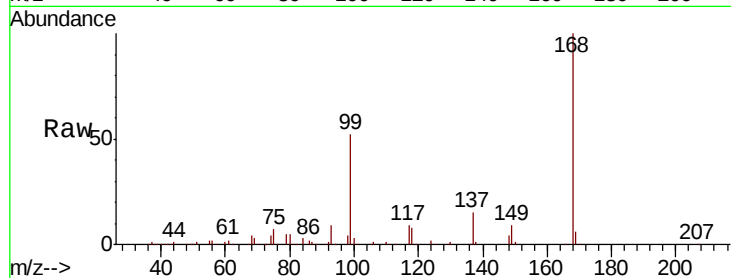
Tot Ion: 56 Resp: 4011

Ion Ratio Lower Upper

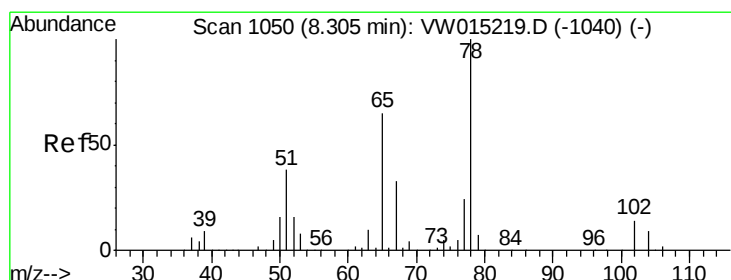
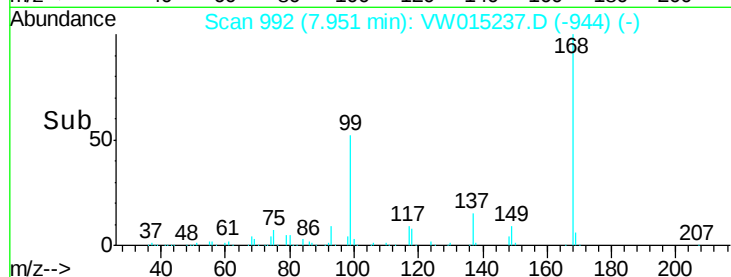
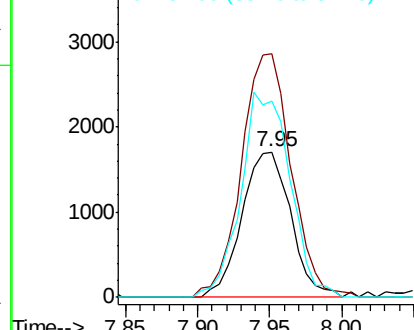
56 100

69 167.9 27.1 40.7#

84 135.2 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: 48.316 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW015237.D

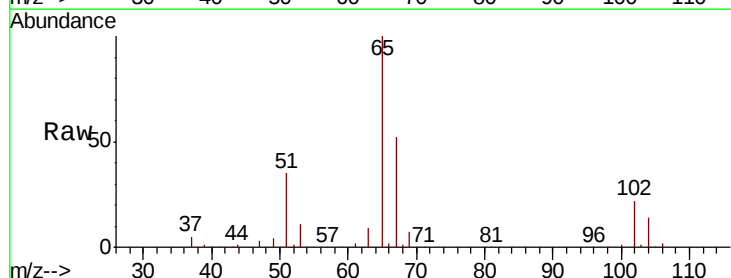
Acq: 20 Apr 2020 21:22

Tgt Ion: 65 Resp: 80103

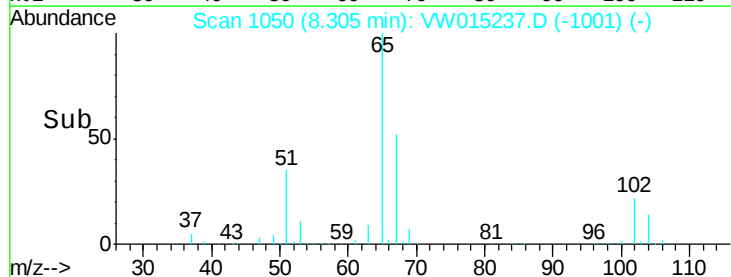
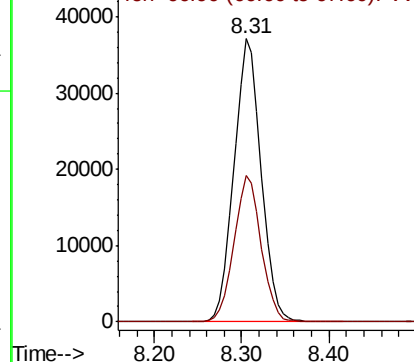
Ion Ratio Lower Upper

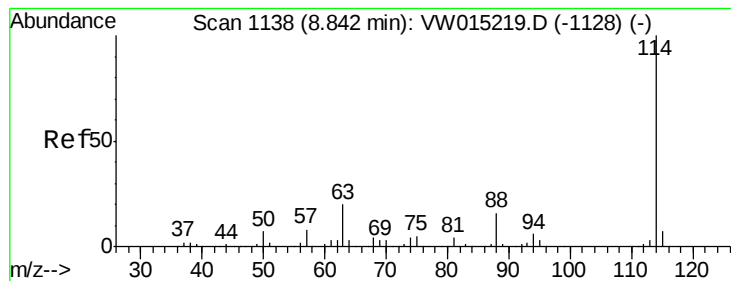
65 100

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: VW015237.D

Acq: 20 Apr 2020 21:22

Instrument :

MSVOA_W

ClientSampleId :

S-5A

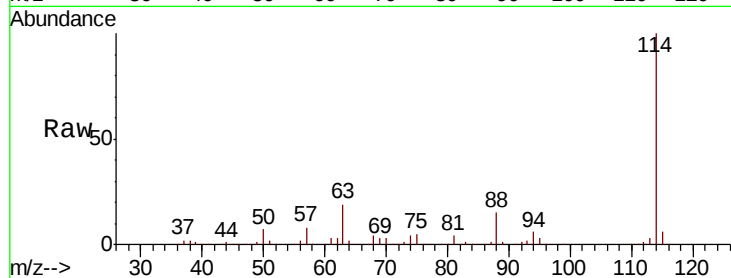
Tot Ion:114 Resp: 287381

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.8

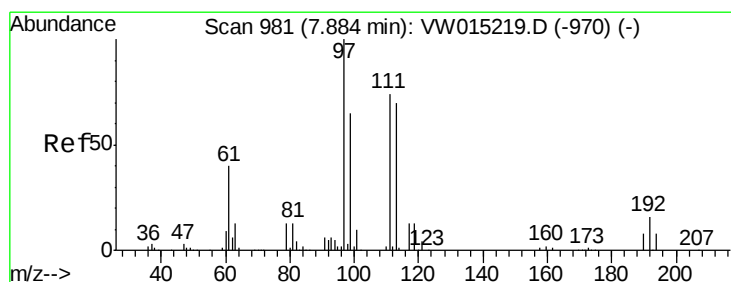
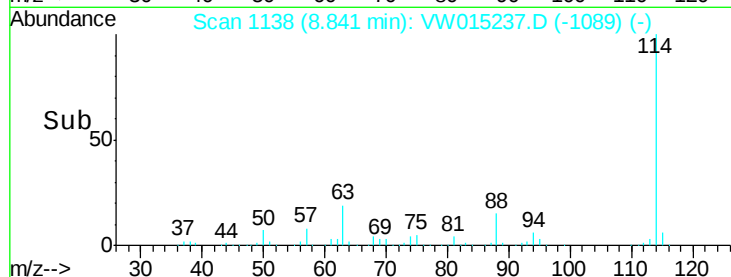
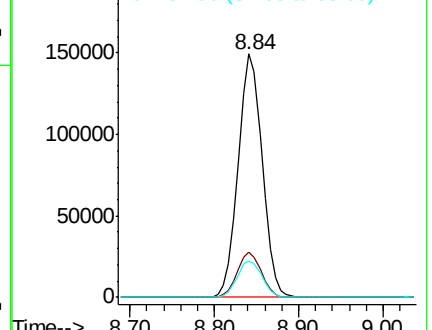
88 15.1 0.0 30.2



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: 50.905 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015237.D

Acq: 20 Apr 2020 21:22

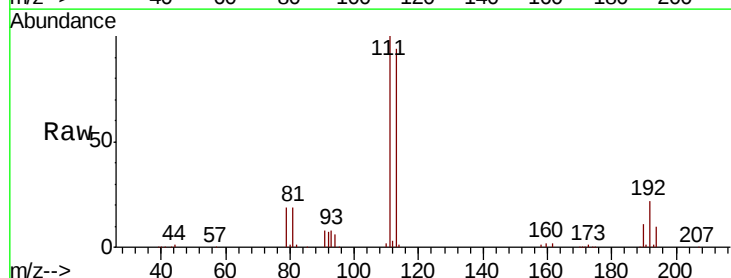
Tgt Ion:113 Resp: 81034

Ion Ratio Lower Upper

113 100

111 103.8 83.0 124.4

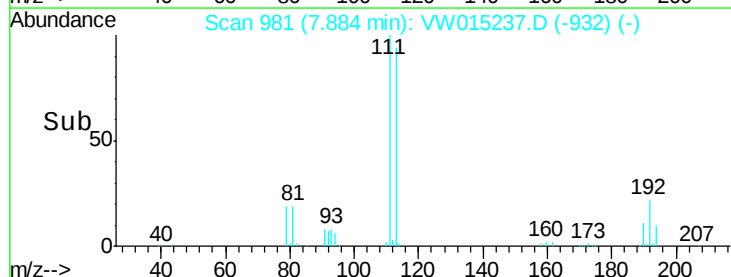
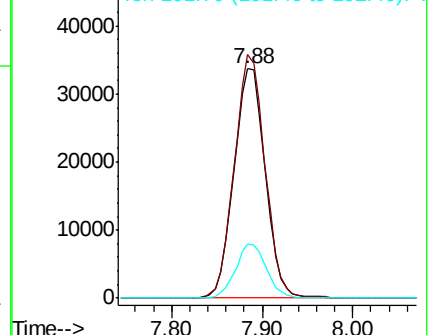
192 23.0 15.1 22.7#

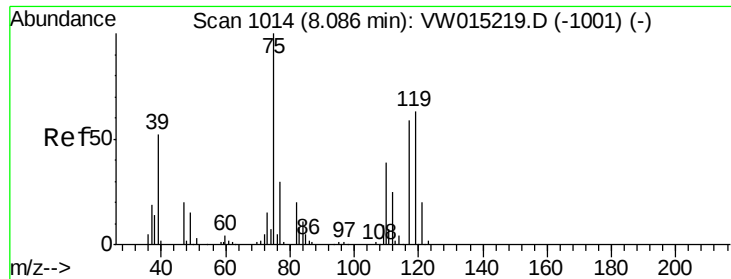


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

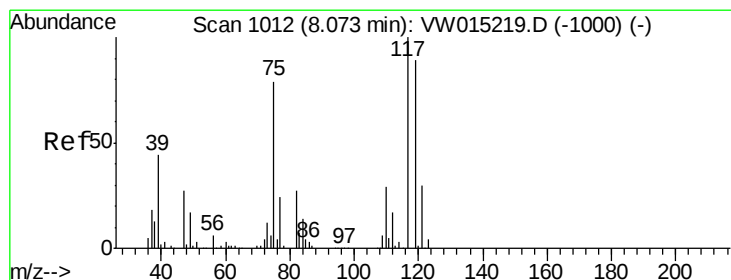
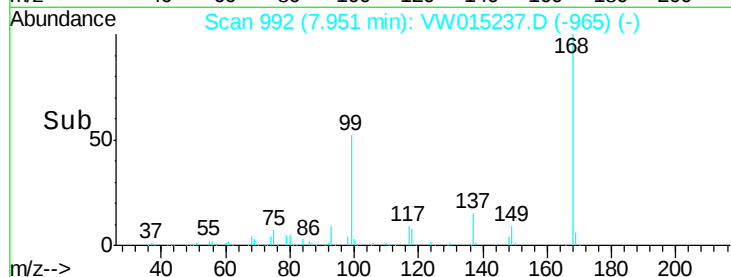
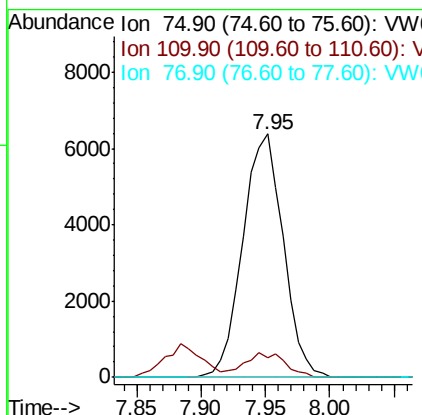
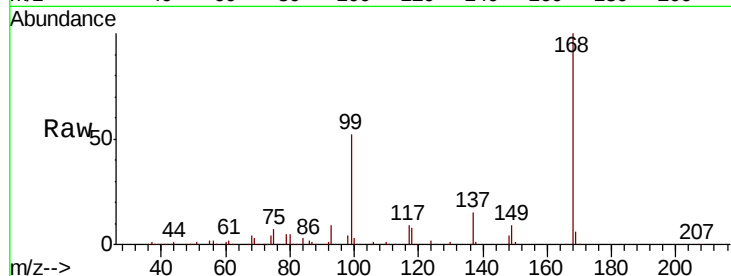




#36
 1,1-Dichloropropene
 Concen: 5.339 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015237.D
 Acq: 20 Apr 2020 21:22

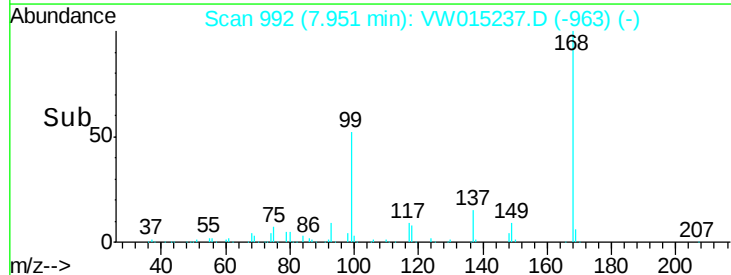
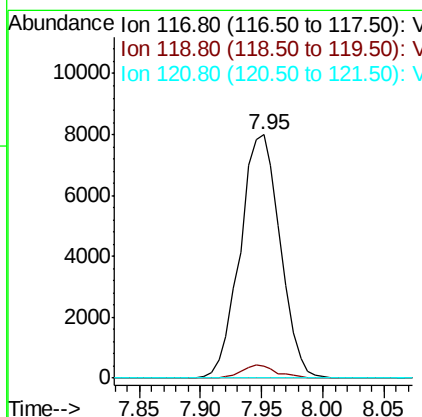
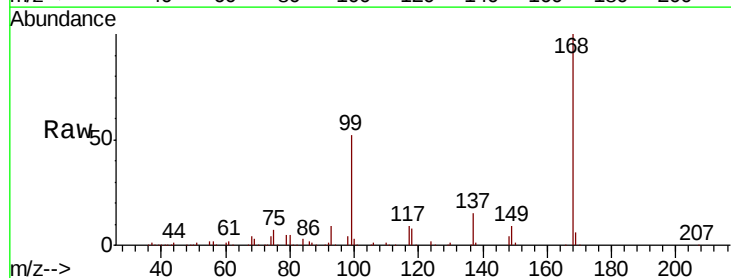
Instrument :
 MSVOA_W
 ClientSampled :
 S-5A

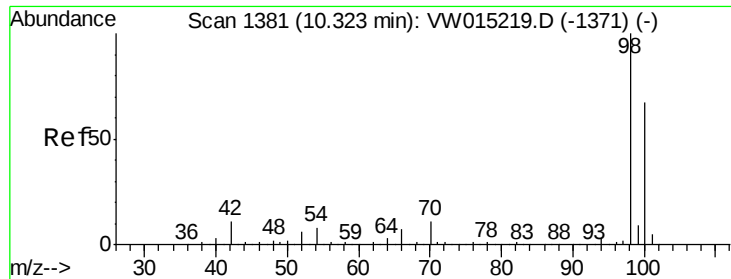
Tot Ion: 75 Resp: 13848
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.2 54.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 6.416 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW015237.D
 Acq: 20 Apr 2020 21:22

Tgt Ion: 117 Resp: 18186
 Ion Ratio Lower Upper
 117 100
 119 4.8 72.3 108.5#
 121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 52.177 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015237.D

Acq: 20 Apr 2020 21:22

Instrument :

MSVOA_W

ClientSampled :

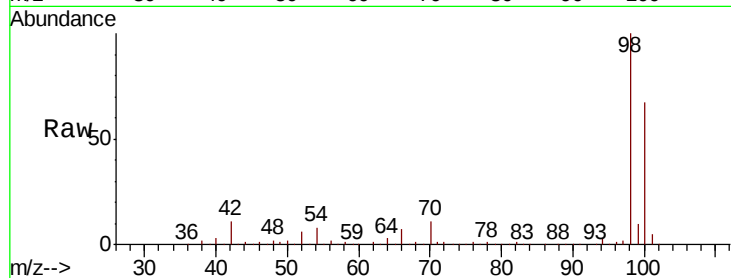
S-5A

Tot Ion: 98 Resp: 349402

Ion Ratio Lower Upper

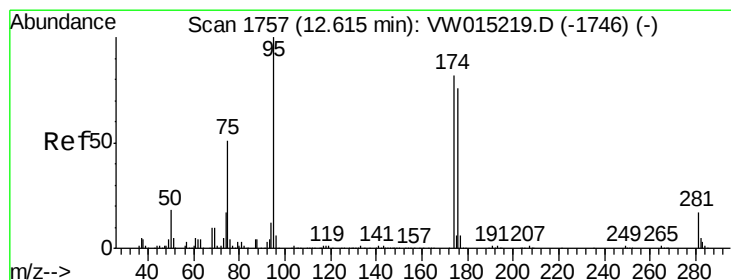
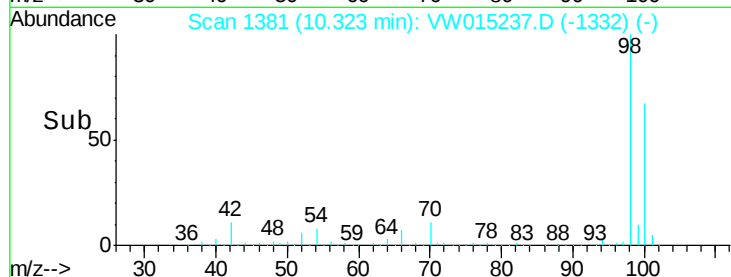
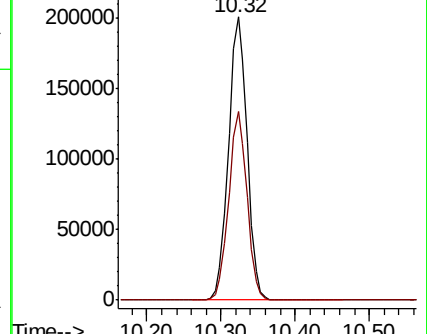
98 100

100 65.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 45.632 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015237.D

Acq: 20 Apr 2020 21:22

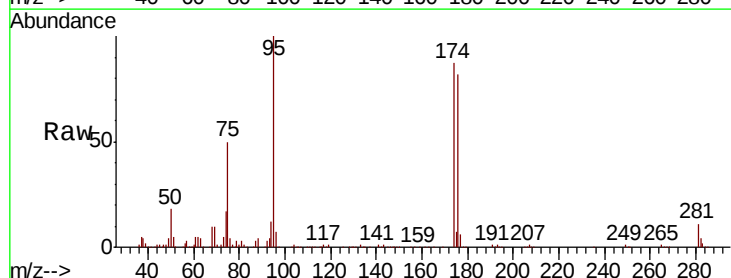
Tgt Ion: 95 Resp: 116590

Ion Ratio Lower Upper

95 100

174 87.8 0.0 144.4

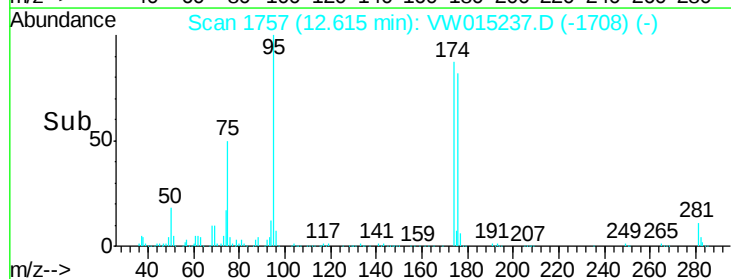
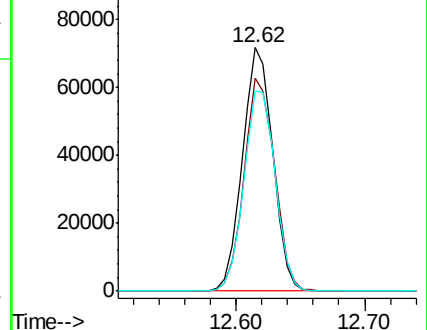
176 85.0 0.0 140.6

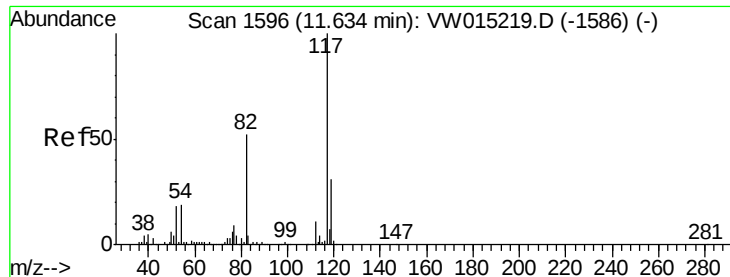


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

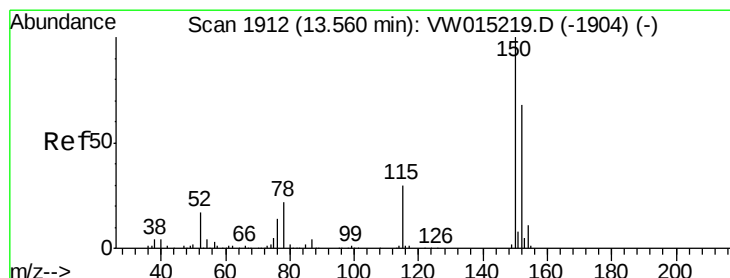
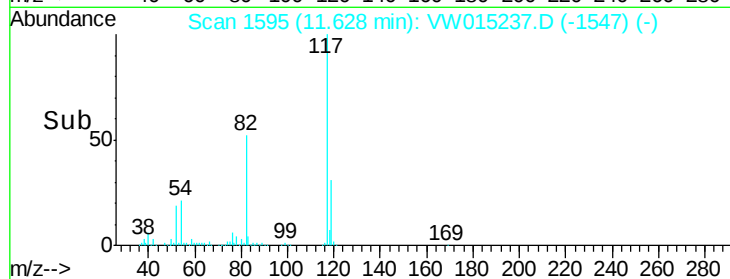
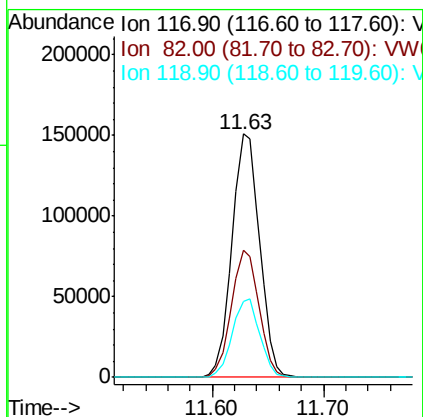
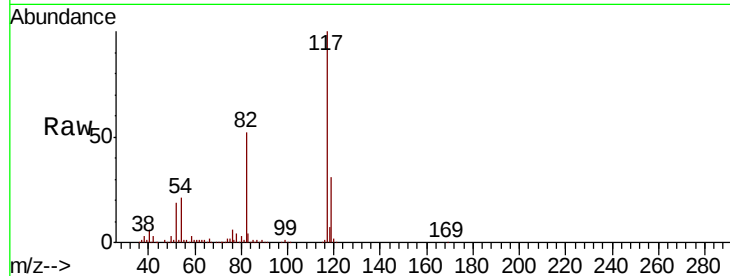




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015237.D
Acq: 20 Apr 2020 21:22

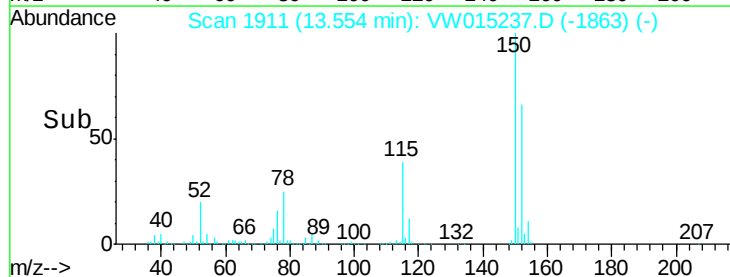
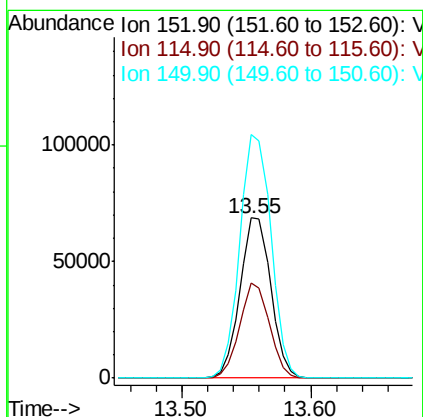
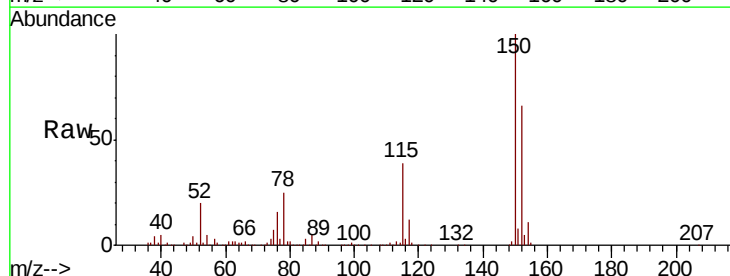
Instrument :
MSVOA_W
ClientSampleId :
S-5A

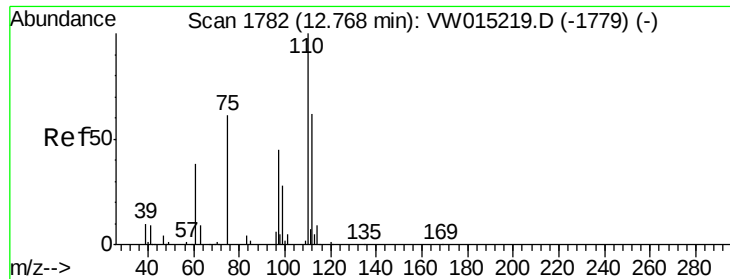
Tot Ion:117 Resp: 259823
Ion Ratio Lower Upper
117 100
82 52.2 44.1 66.1
119 31.1 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW015237.D
Acq: 20 Apr 2020 21:22

Tgt Ion:152 Resp: 113866
Ion Ratio Lower Upper
152 100
115 57.4 31.3 93.9
150 154.8 0.0 343.4

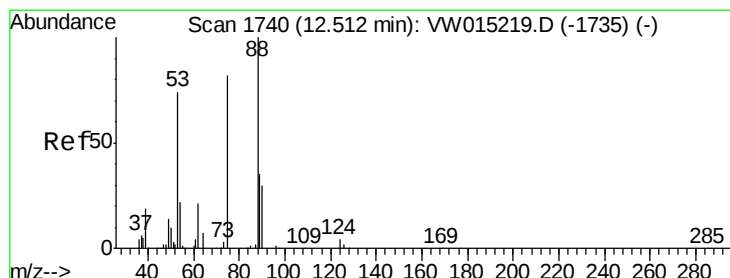
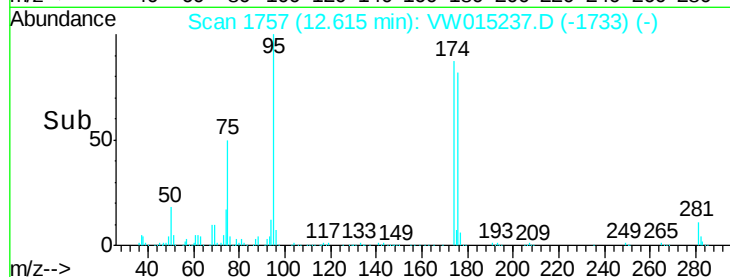
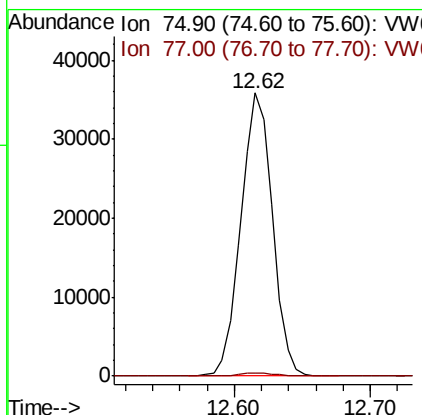
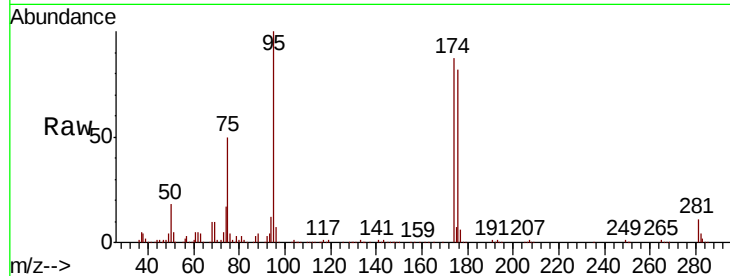




#76
 1,2,3-Trichloropropane
 Concen: 66.010 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW015237.D
 Acq: 20 Apr 2020 21:22

Instrument :
 MSVOA_W
 ClientSampleId :
 S-5A

Tot Ion: 75 Resp: 58147
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.299 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW015237.D
 Acq: 20 Apr 2020 21:22

Tgt Ion: 75 Resp: 58147
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.4 104.2#
 89 0.0 34.8 52.2#

