

Data File : VW015318.D
Acq On : 22 Apr 2020 19:26
Operator : SY/VA
Sample : L2394-08
Misc : 5.06G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
G-1A

Quant Time: Apr 23 07:05:37 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	7.96	168	38228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	51699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	40904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	12516	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	14062	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	
35) Dibromofluoromethane	7.89	113	14172	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.32	98	58409	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	12.62	95	15995	34.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.60%	

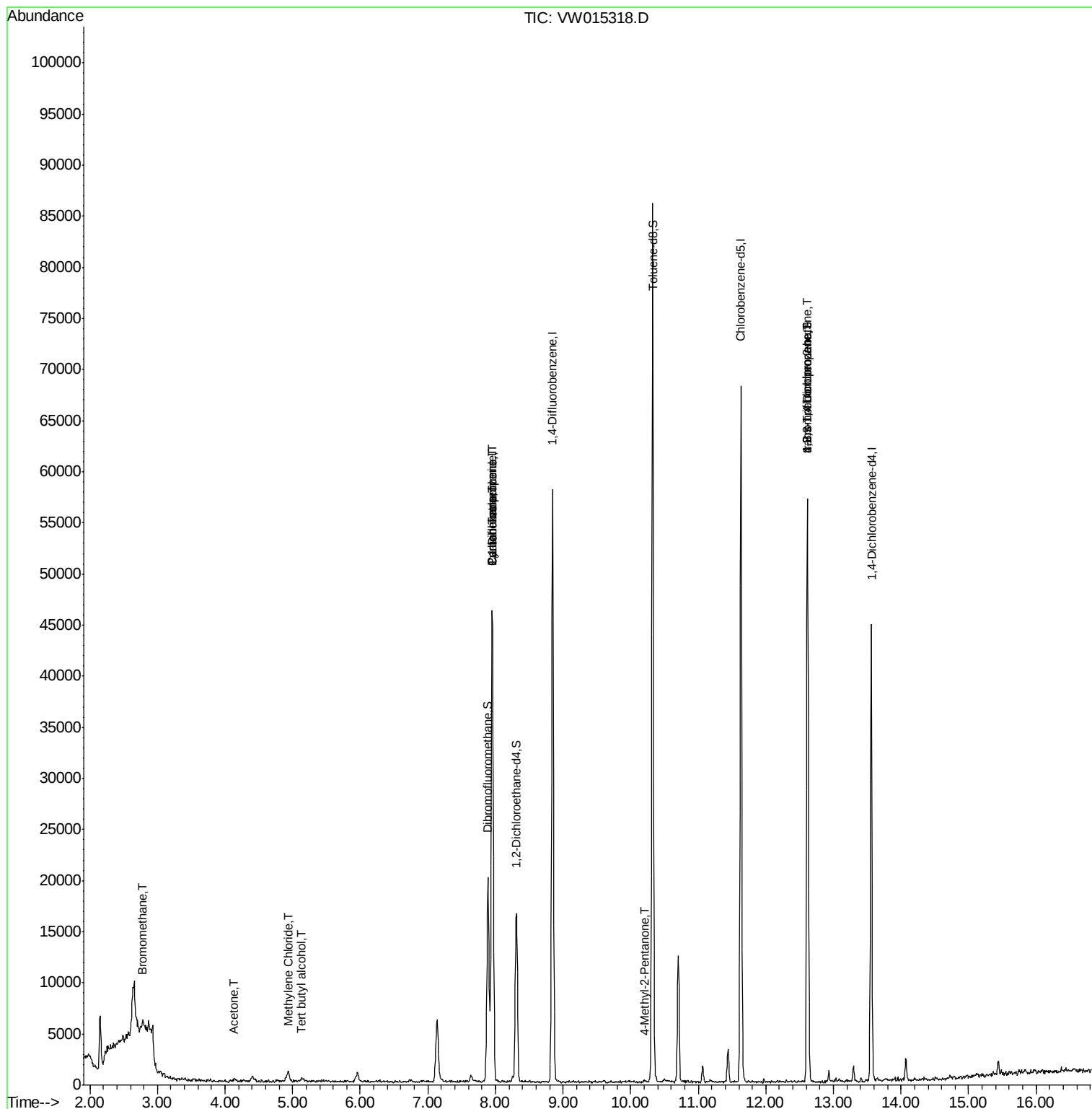
Target Compounds			Qvalue			
5) Bromomethane	2.78	94	714	2.587	ug/l #	63
11) Tert butyl alcohol	5.13	59	267	10.478	ug/l #	72
16) Acetone	4.14	43	341	6.245	ug/l #	87
20) Methylene Chloride	4.93	84	907	2.535	ug/l #	85
31) Cyclohexane	7.95	56	814	1.408	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	2479	5.313	ug/l #	49
38) Carbon Tetrachloride	7.95	117	3371	6.611	ug/l #	18
51) 4-Methyl-2-Pentanone	10.21	43	211	1.415	ug/l #	35
76) 1,2,3-Trichloropropane	12.62	75	7976	82.376	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	7976	180.074	ug/l #	15

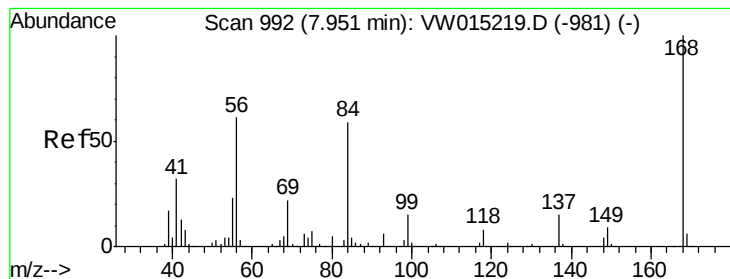
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

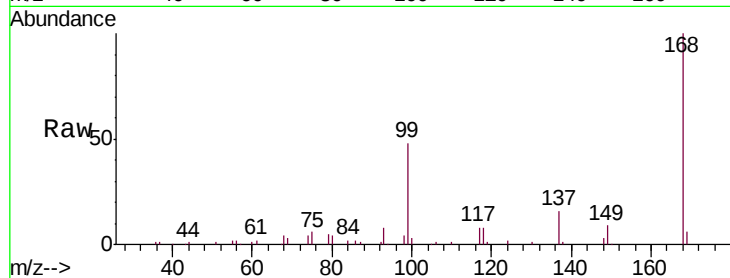
G-1A

Tgt Ion:168 Resp: 38228

Ion Ratio Lower Upper

168 100

99 47.9 48.5 72.7#



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

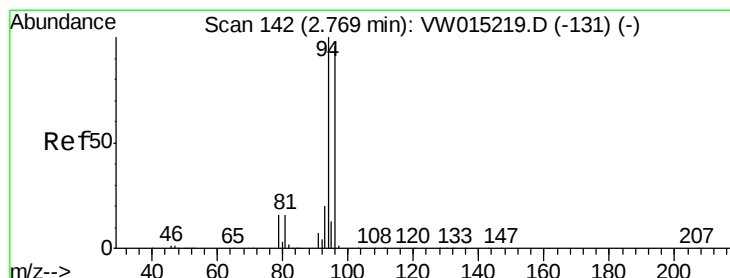
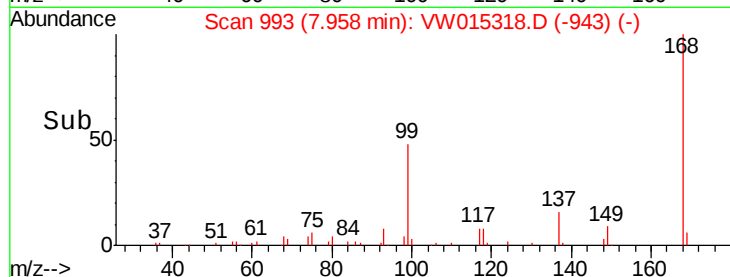
15000

10000

5000

0

Time-->



#5

Bromomethane

Concen: 2.587 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW015318.D

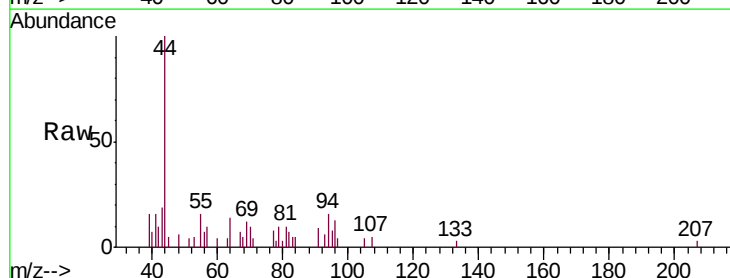
Acq: 22 Apr 2020 19:26

Tgt Ion: 94 Resp: 714

Ion Ratio Lower Upper

94 100

96 53.4 70.4 105.6#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

300

250

200

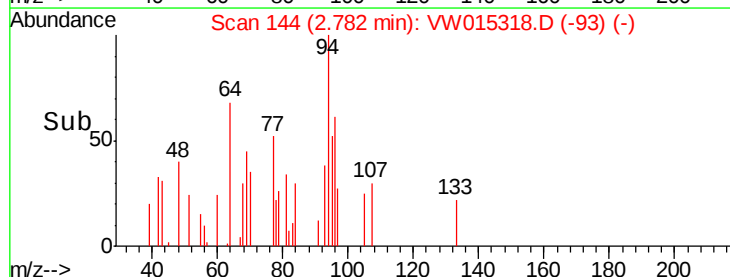
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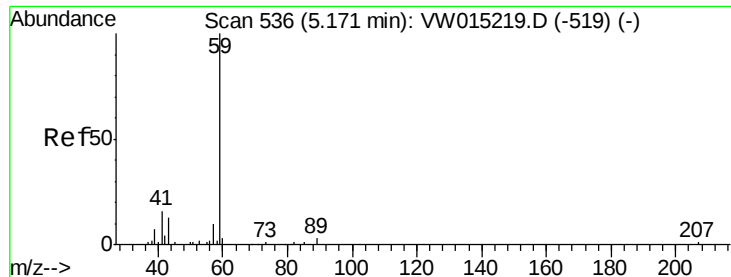
100

50

0

Time-->





#11

Tert butyl alcohol

Concen: 10.478 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.04 min

Lab File: VW015318.D

Acq: 22 Apr 2020 19:26

Instrument :

MSVOA_W

ClientSampled :

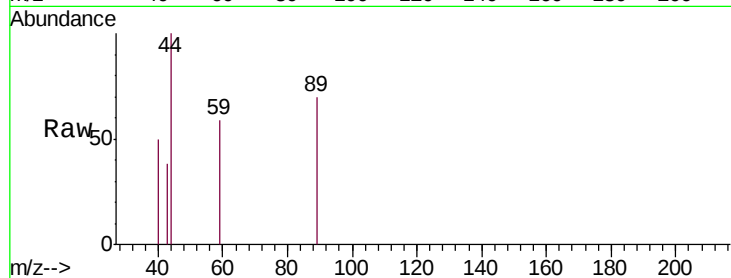
G-1A

Tgt Ion: 59 Resp: 267

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

150

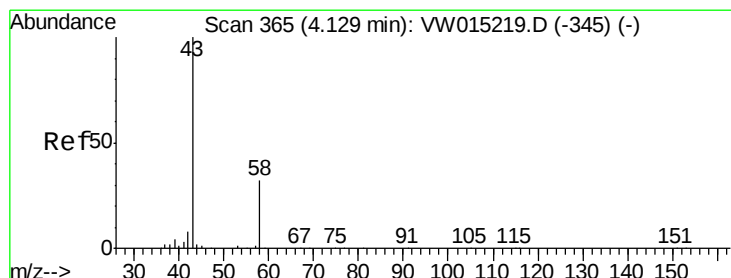
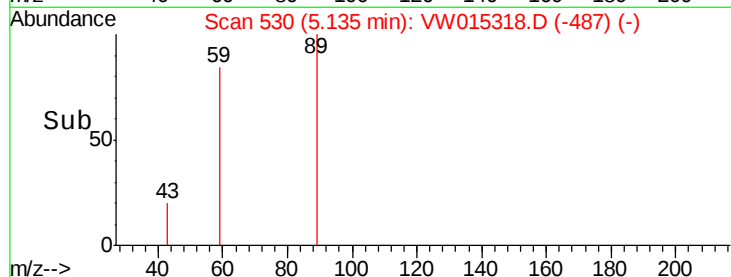
5.13

100

50

0

Time-->



#16

Acetone

Concen: 6.245 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015318.D

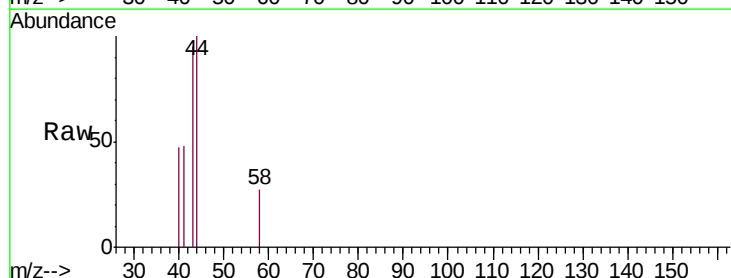
Acq: 22 Apr 2020 19:26

Tgt Ion: 43 Resp: 341

Ion Ratio Lower Upper

43 100

58 41.2 27.0 40.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

200

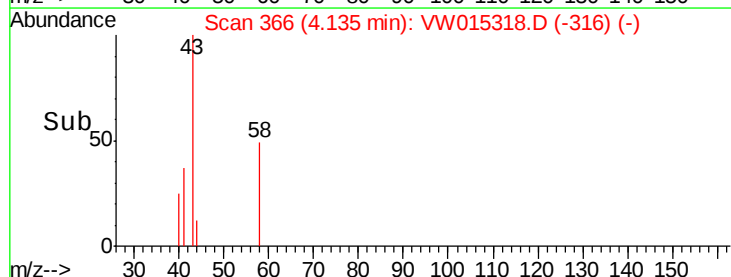
150

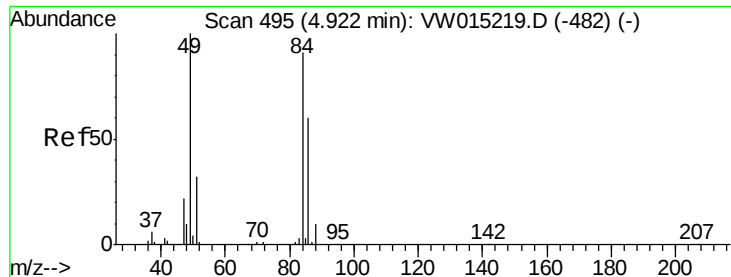
100

50

0

Time-->

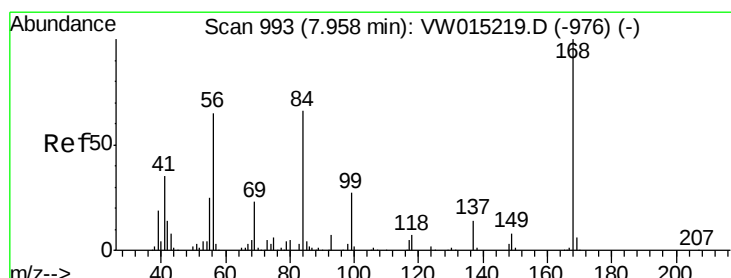
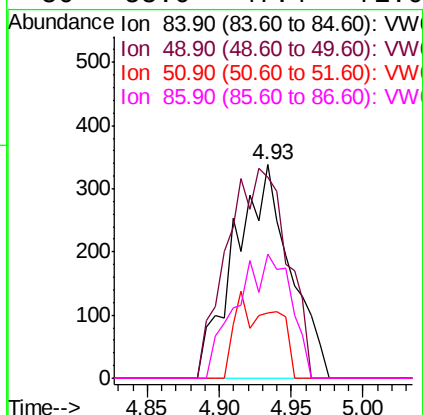
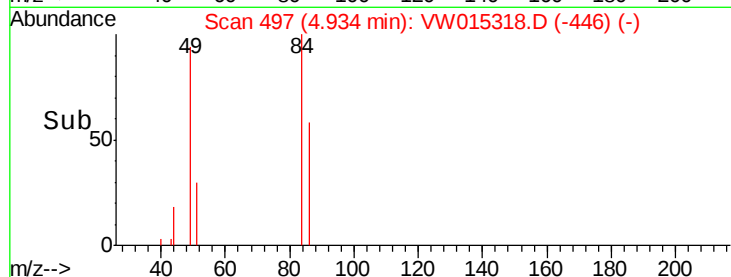
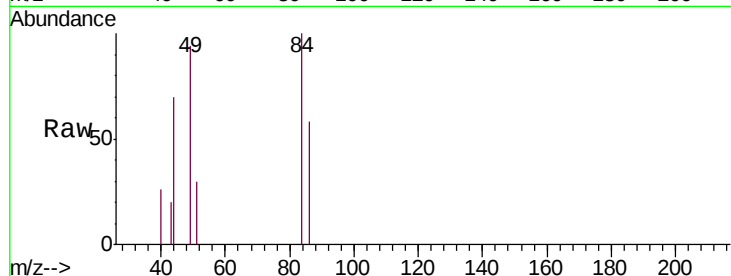




#20
Methylene Chloride
Concen: 2.535 ug/l
RT: 4.93 min Scan# 497
Delta R.T. 0.01 min
Lab File: VW015318.D
Acq: 22 Apr 2020 19:26

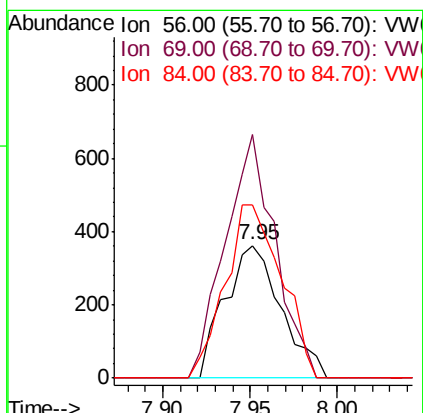
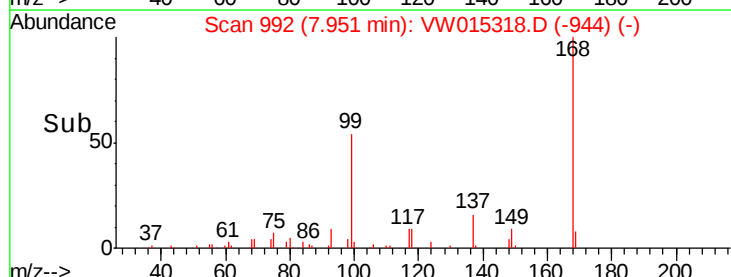
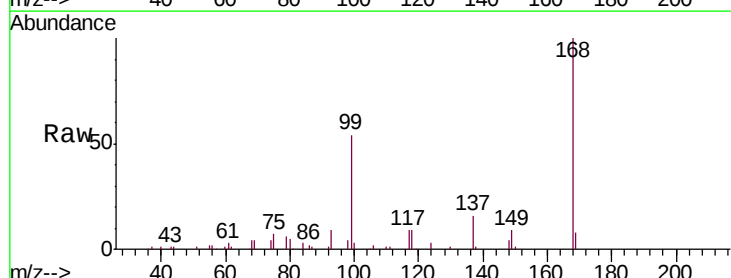
Instrument :
MSVOA_W
ClientSampled :
G-1A

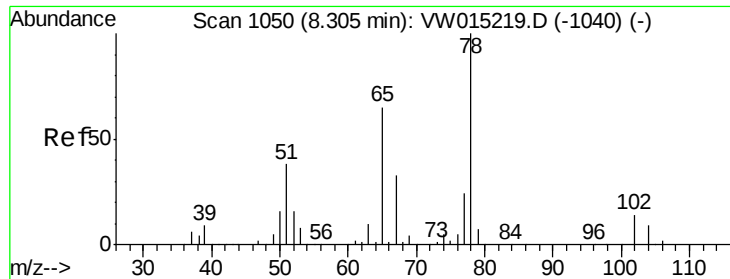
Tgt Ion:	84	Resp:	907
Ion	Ratio	Lower	Upper
84	100		
49	94.1	95.4	143.0#
51	30.5	29.8	44.8
86	58.0	47.4	71.0



#31
Cyclohexane
Concen: 1.408 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015318.D
Acq: 22 Apr 2020 19:26

Tgt Ion:	56	Resp:	814
Ion	Ratio	Lower	Upper
56	100		
69	183.7	27.1	40.7#
84	130.4	71.9	107.9#

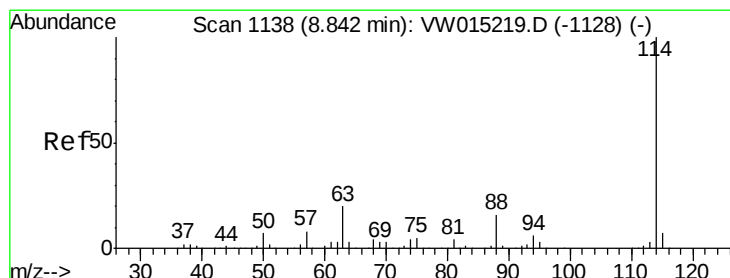
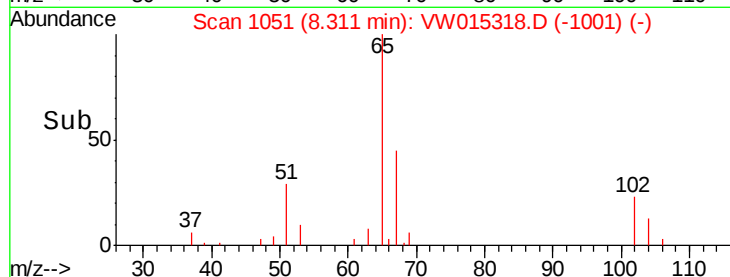
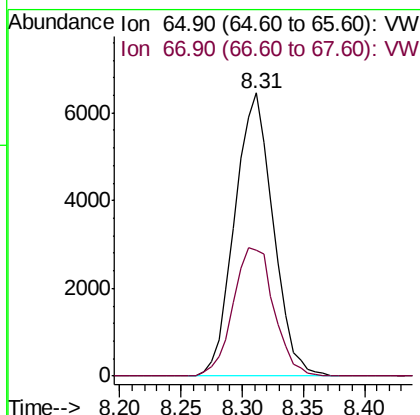
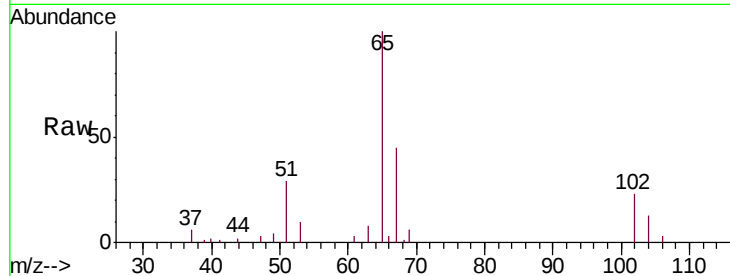




#33
 1,2-Dichloroethane-d4
 Concen: 44.983 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW015318.D
 Acq: 22 Apr 2020 19:26

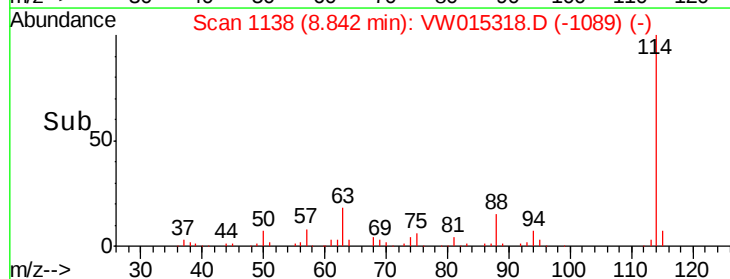
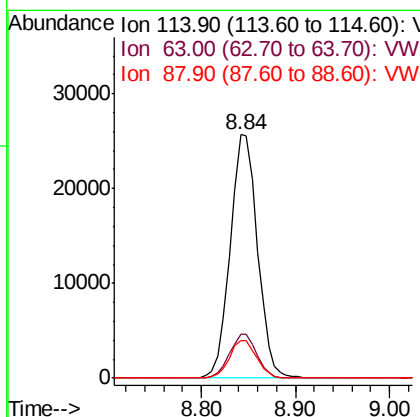
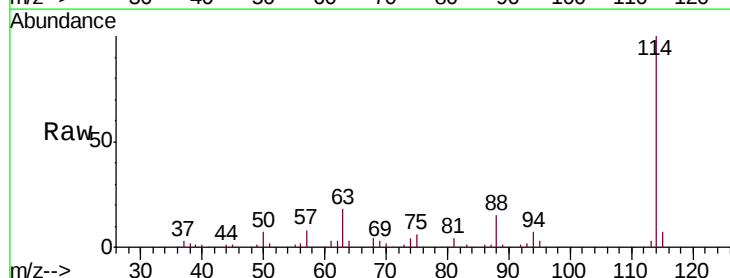
Instrument :
 MSVOA_W
 ClientSampled :
 G-1A

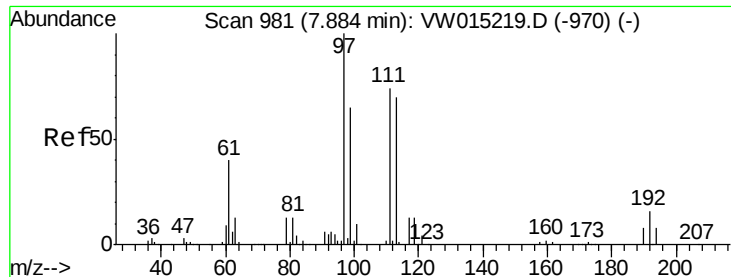
Tgt Ion: 65 Resp: 14062
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015318.D
 Acq: 22 Apr 2020 19:26

Tgt Ion: 114 Resp: 51699
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 39.8
 88 15.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.488 ug/l

RT: 7.89 min Scan# 982

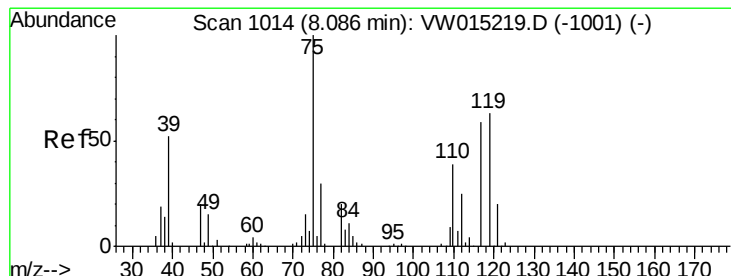
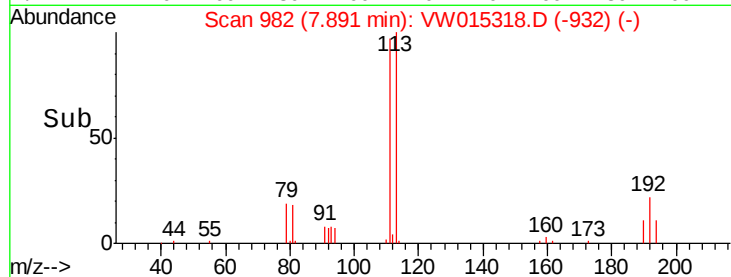
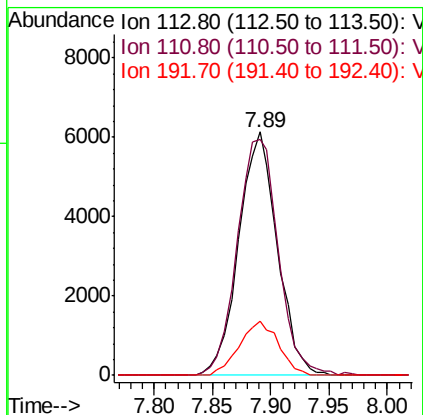
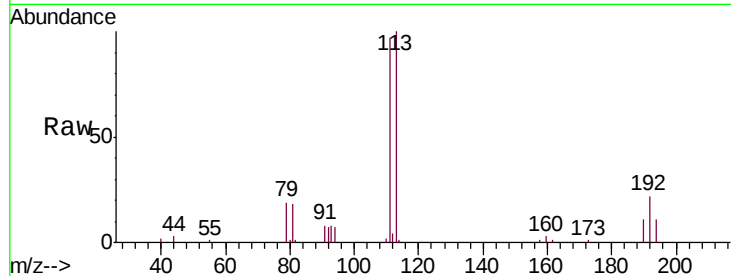
Delta R.T. 0.01 min

Lab File: VW015318.D

Acq: 22 Apr 2020 19:26

Instrument :
MSVOA_W
ClientSampleId :
G-1A

Tgt Ion:	113	Resp:	14172
Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.0	124.4
192	22.5	15.1	22.7



#36

1,1-Dichloropropene

Concen: 5.313 ug/l

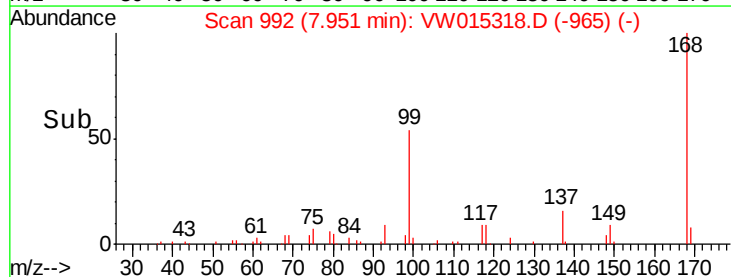
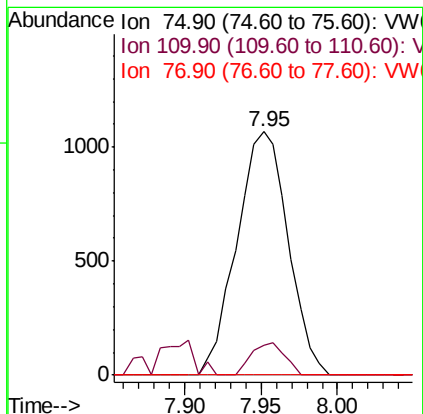
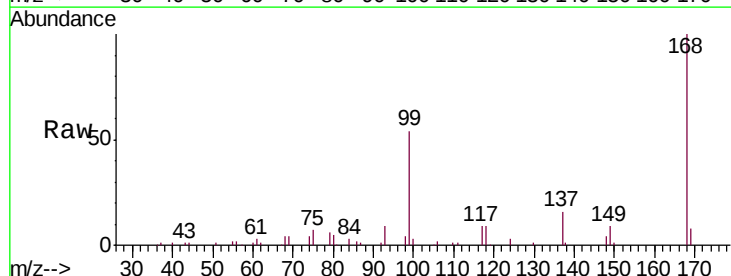
RT: 7.95 min Scan# 992

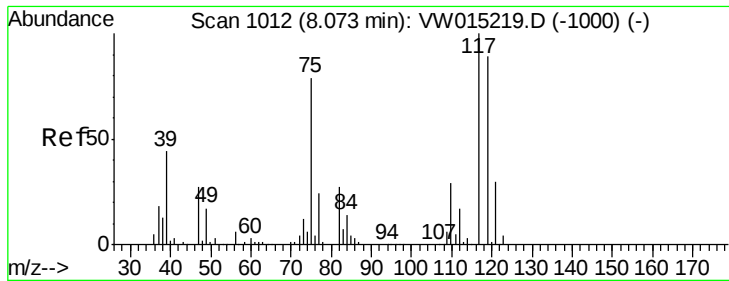
Delta R.T. -0.13 min

Lab File: VW015318.D

Acq: 22 Apr 2020 19:26

Tgt Ion:	75	Resp:	2479
Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.2	54.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.611 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015318.D

Acq: 22 Apr 2020 19:26

Instrument :

MSVOA_W

ClientSampleId :

G-1A

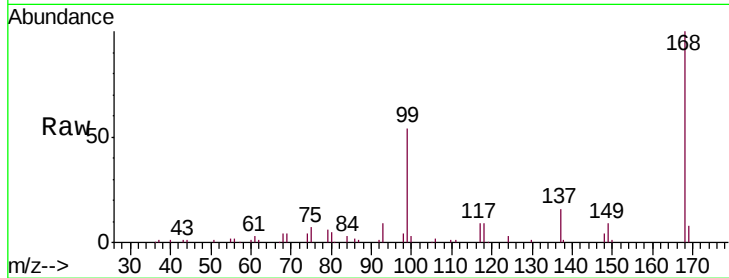
Tgt Ion:117 Resp: 3371

Ion Ratio Lower Upper

117 100

119 4.7 72.3 108.5#

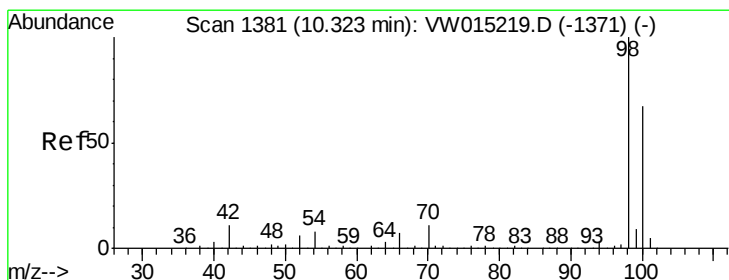
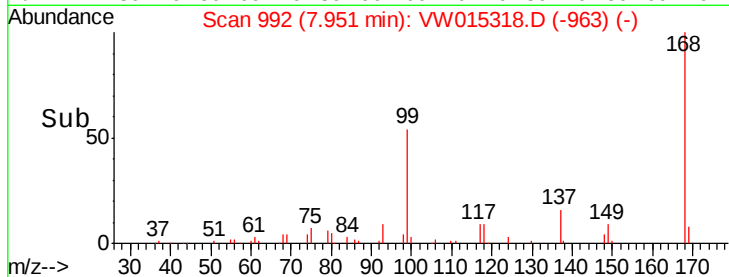
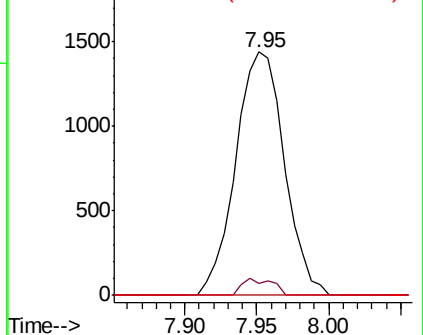
121 0.0 23.7 35.5#



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



#50

Toluene-d8

Concen: 48.485 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015318.D

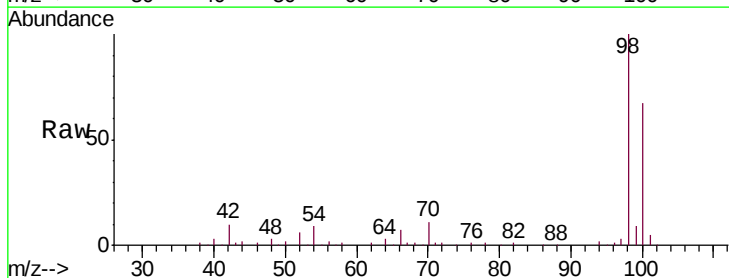
Acq: 22 Apr 2020 19:26

Tgt Ion: 98 Resp: 58409

Ion Ratio Lower Upper

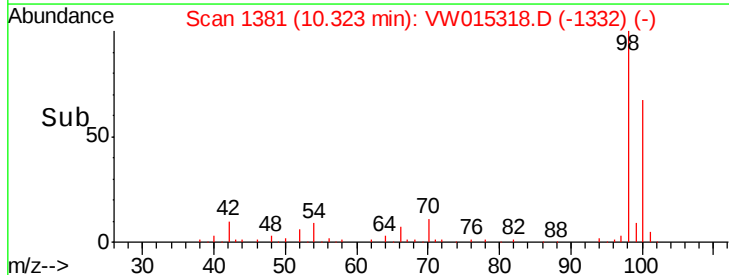
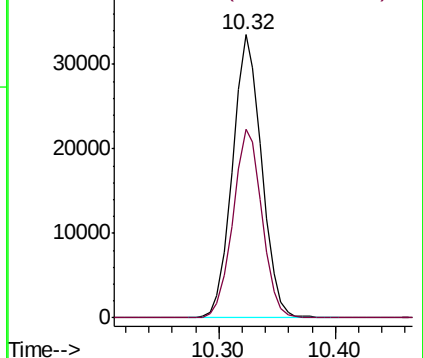
98 100

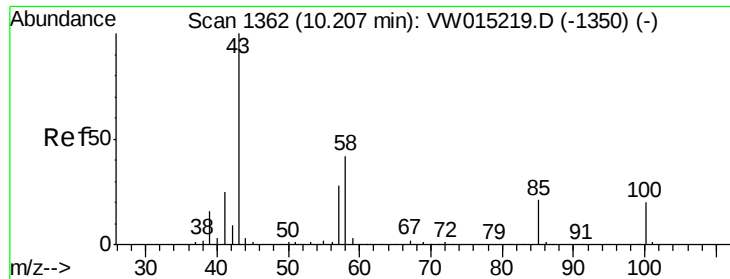
100 66.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.415 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015318.D

Acq: 22 Apr 2020 19:26

Instrument :

MSVOA_W

ClientSampled :

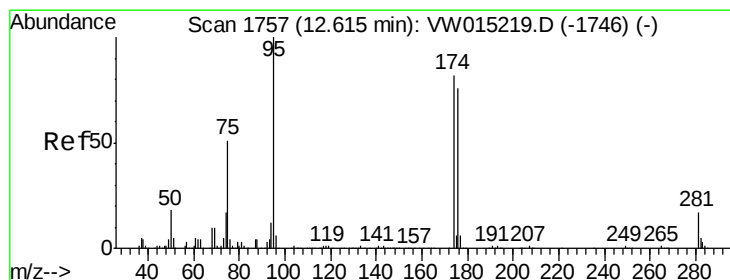
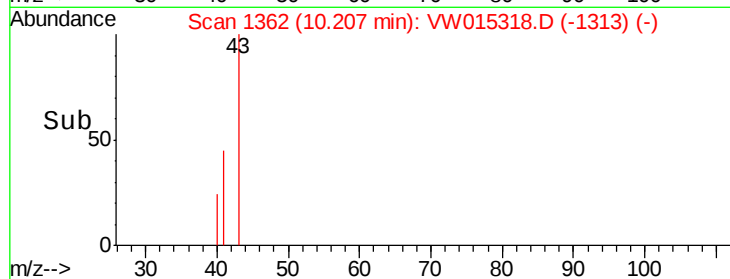
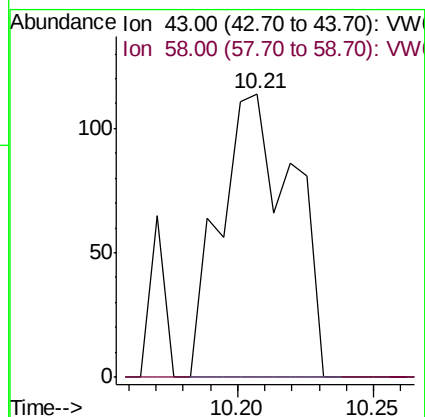
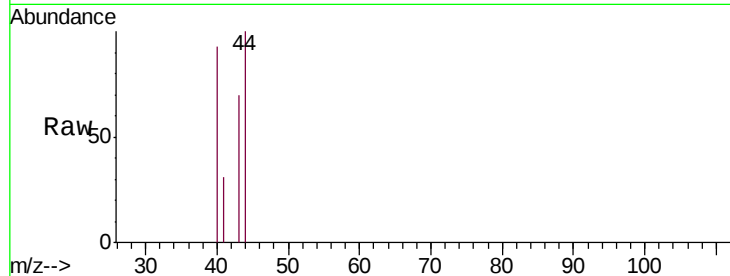
G-1A

Tgt Ion: 43 Resp: 211

Ion Ratio Lower Upper

43 100

58 0.0 32.3 48.5#



#62

4-Bromofluorobenzene

Concen: 34.799 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015318.D

Acq: 22 Apr 2020 19:26

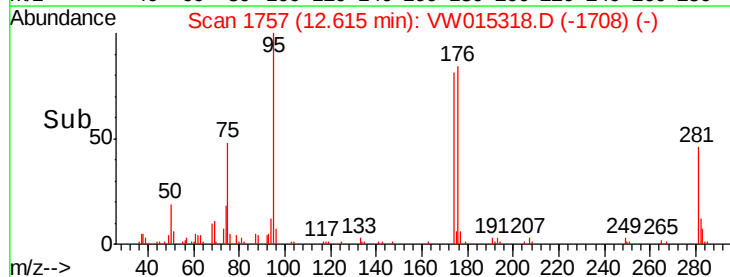
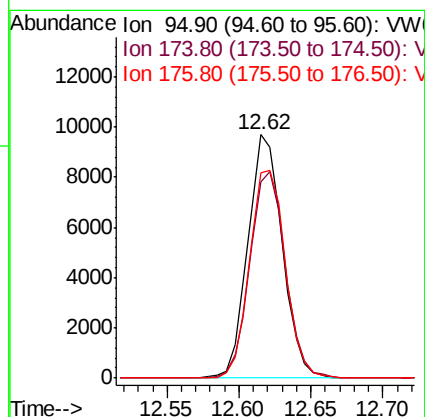
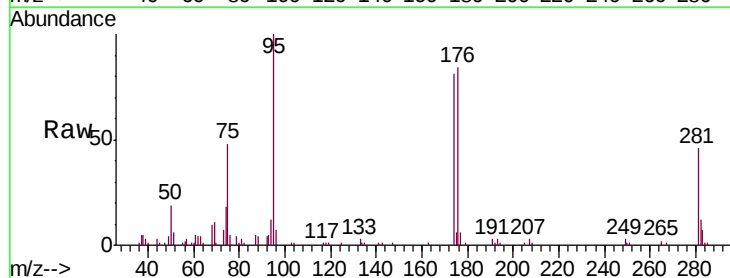
Tgt Ion: 95 Resp: 15995

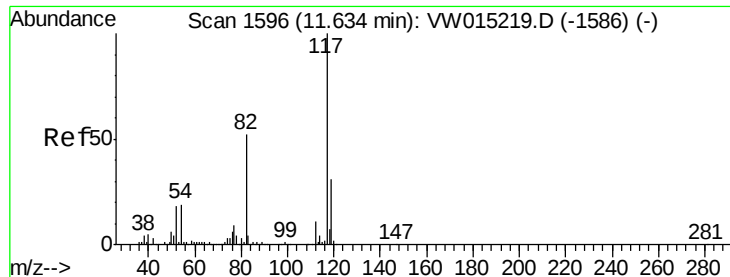
Ion Ratio Lower Upper

95 100

174 87.1 0.0 144.4

176 88.8 0.0 140.6

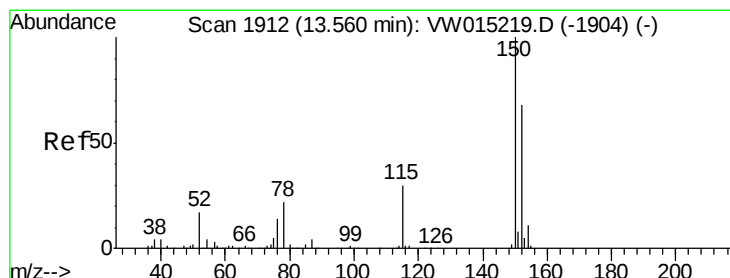
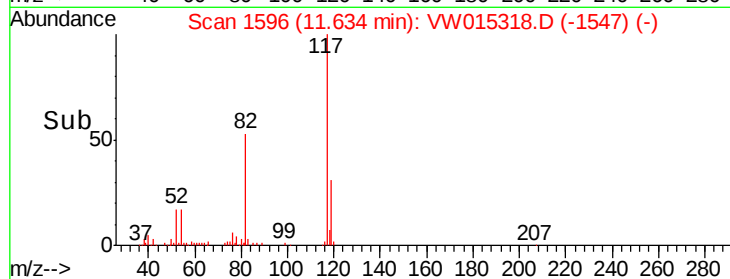
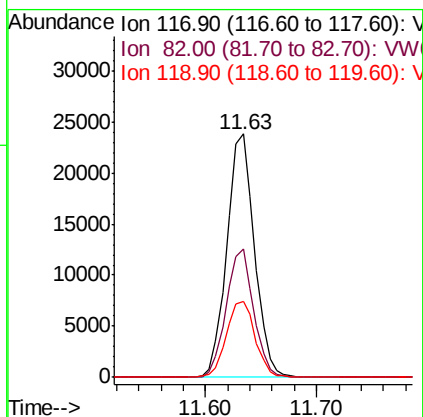
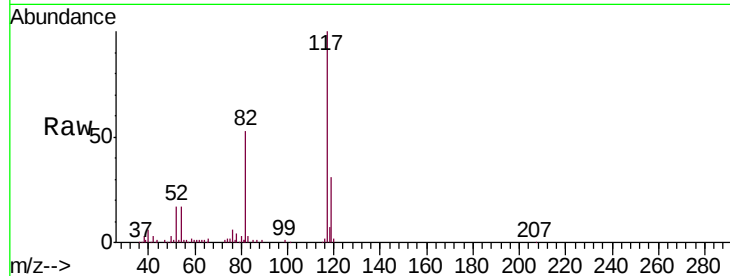




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015318.D
Acq: 22 Apr 2020 19:26

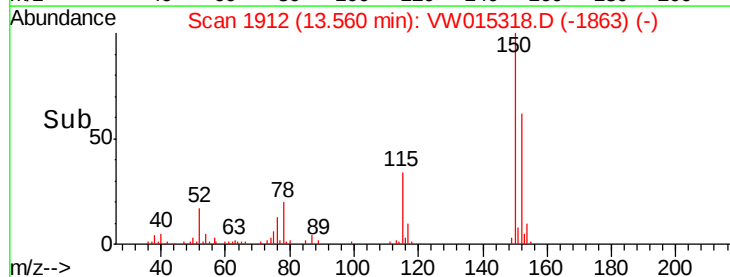
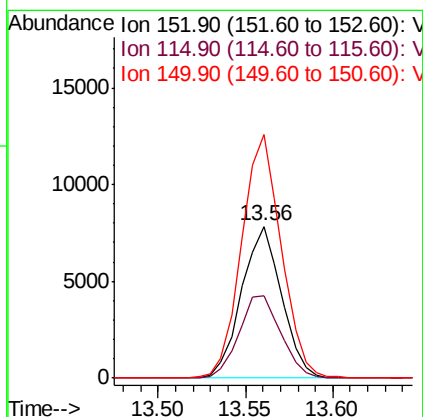
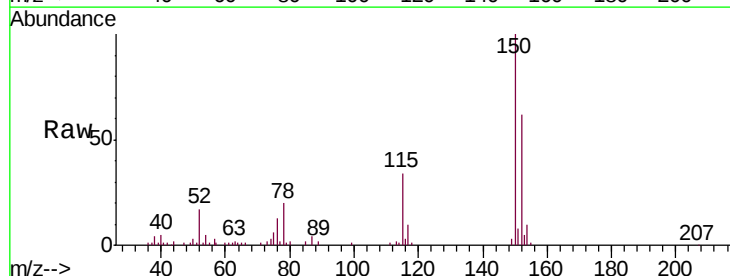
Instrument :
MSVOA_W
ClientSampleId :
G-1A

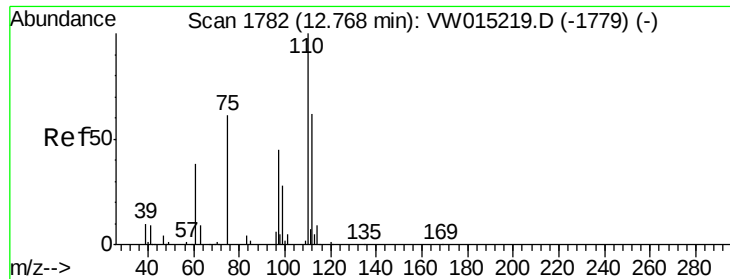
Tgt Ion:117 Resp: 40904
Ion Ratio Lower Upper
117 100
82 52.6 44.1 66.1
119 31.3 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015318.D
Acq: 22 Apr 2020 19:26

Tgt Ion:152 Resp: 12516
Ion Ratio Lower Upper
152 100
115 56.8 31.3 93.9
150 157.8 0.0 343.4

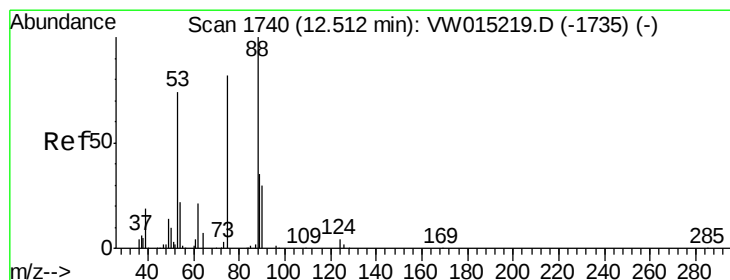
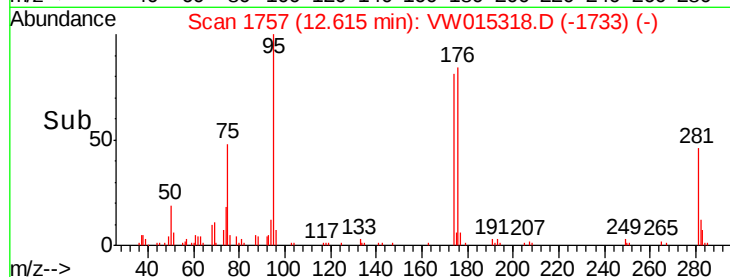
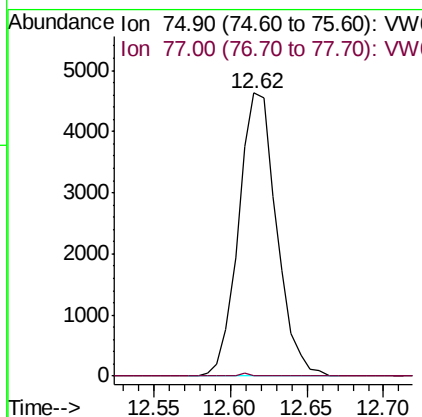
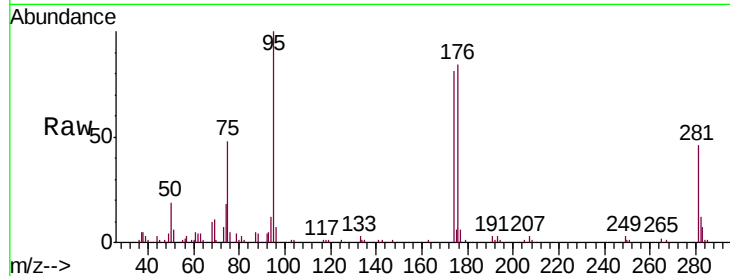




#76
 1,2,3-Trichloropropane
 Concen: 82.376 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW015318.D
 Acq: 22 Apr 2020 19:26

Instrument :
 MSVOA_W
 ClientSampled :
 G-1A

Tgt Ion: 75 Resp: 7976
 Ion Ratio Lower Upper
 75 100
 77 0.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 180.074 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW015318.D
 Acq: 22 Apr 2020 19:26

Tgt Ion: 75 Resp: 7976
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.4 104.2#
 89 0.0 34.8 52.2#

