

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051520\
 Data File : VW015436.D
 Acq On : 15 May 2020 16:11
 Operator : SY/VA
 Sample : L2679-03
 Misc : 7.30G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 16 02:52:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	219548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	361720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147274	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	121544	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	7.88	113	107912	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
50) Toluene-d8	10.32	98	442665	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.62	95	155623	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds

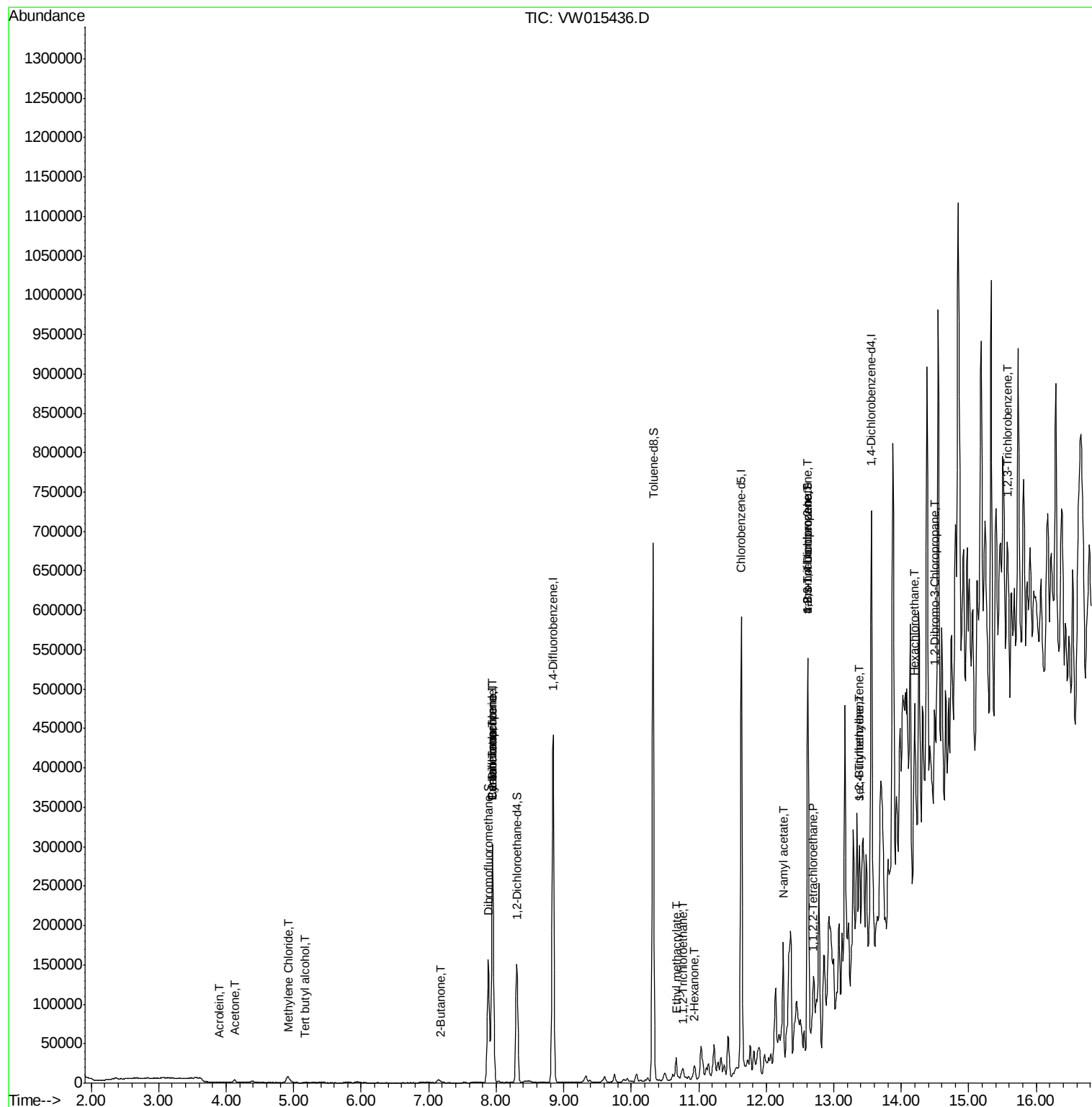
						Qvalue
11) Tert butyl alcohol	5.17	59	312	2.242	ug/l #	71
13) Acrolein	3.90	56	189	1.063	ug/l #	48
16) Acetone	4.12	43	5715	15.243	ug/l	92
20) Methylene Chloride	4.92	84	6734	2.753	ug/l	87
25) 2-Butanone	7.18	43	1772	3.032	ug/l	98
31) Cyclohexane	7.95	56	5552	1.255	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	18110	5.096	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22152	6.667	ug/l #	16
55) 1,1,2-Trichloroethane	10.76	97	3244	1.926	ug/l #	36
56) Ethyl methacrylate	10.66	69	2423	1.047	ug/l #	1
59) 2-Hexanone	10.93	43	7450	8.101	ug/l #	33
74) N-amyl acetate	12.25	43	34534	13.287	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.68	83	3471	2.018	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	82338	67.961	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82338	134.428	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.38	105	52334	5.649	ug/l #	33
85) sec-Butylbenzene	13.38	105	52334	4.700	ug/l	94
90) Hexachloroethane	14.21	117	56993	30.455	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.50	75	466	1.552	ug/l #	27
96) 1,2,3-Trichlorobenzene	15.57	180	3308	1.425	ug/l #	1

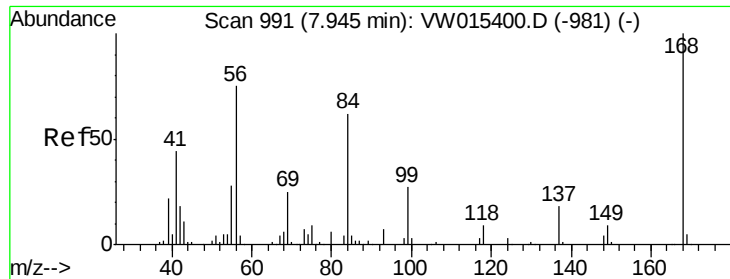
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 05 18:41:17 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: VW015436.D

Acq: 15 May 2020 16:11

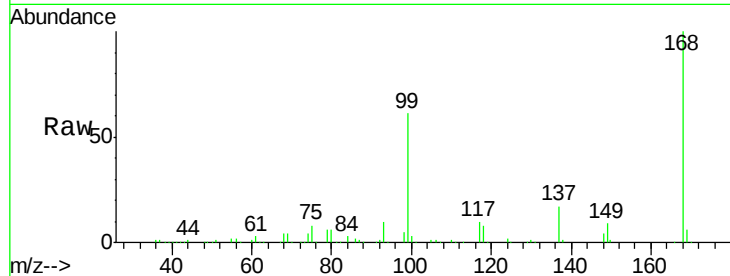
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 219548

Ion Ratio Lower Upper

168 100

99 61.2 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

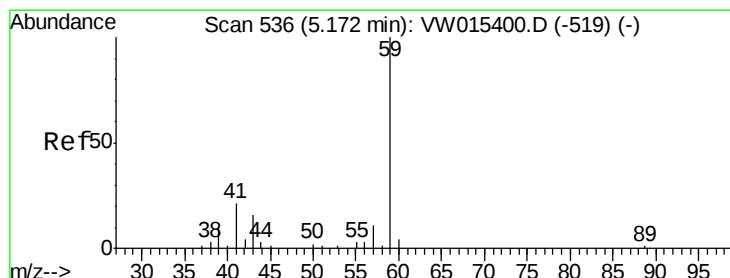
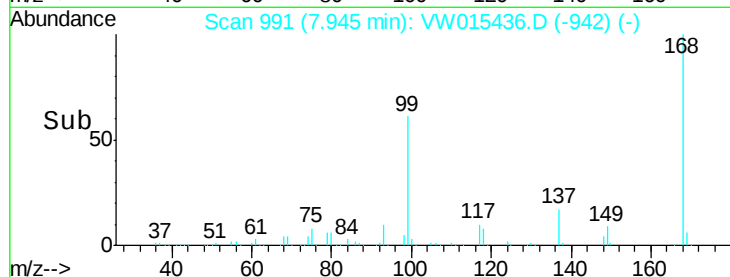
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 2.242 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.00 min

Lab File: VW015436.D

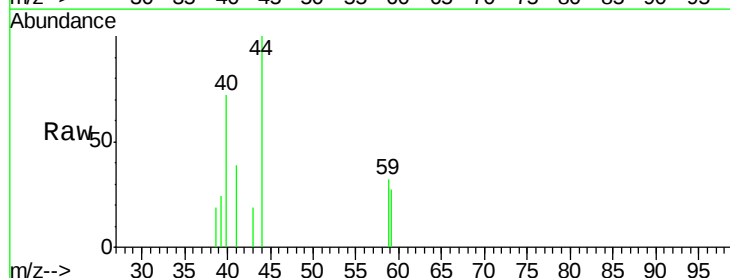
Acq: 15 May 2020 16:11

Tgt Ion: 59 Resp: 312

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

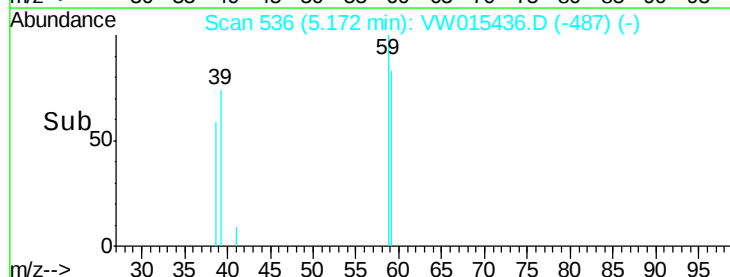
150

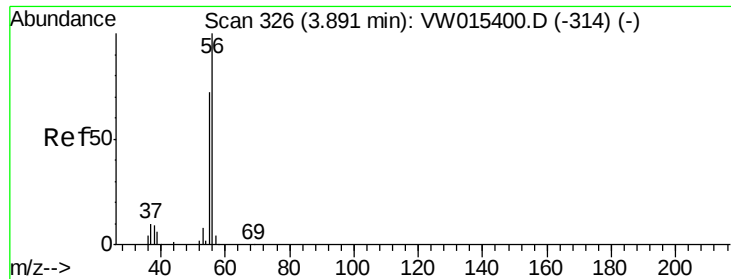
100

50

0

Time--> 5.10 5.15 5.20





#13

Acrolein

Concen: 1.063 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW015436.D

Acq: 15 May 2020 16:11

Instrument :

MSVOA_W

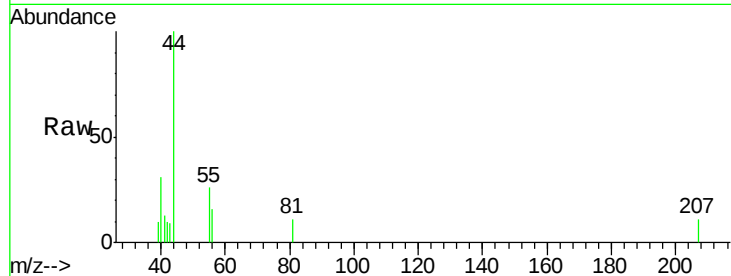
ClientSampled :

Tot Ion: 56 Resp: 189

Ion Ratio Lower Upper

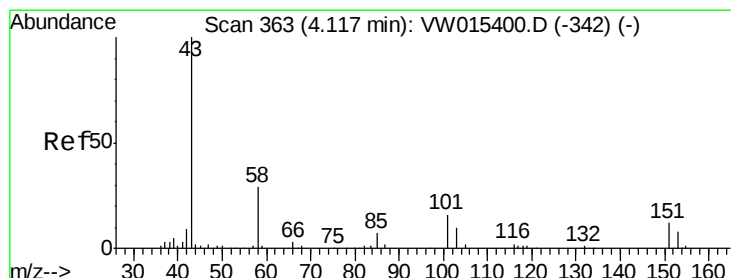
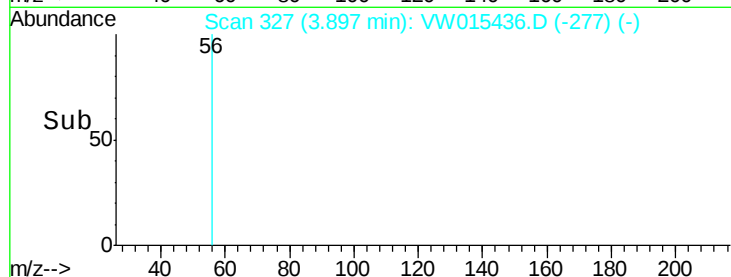
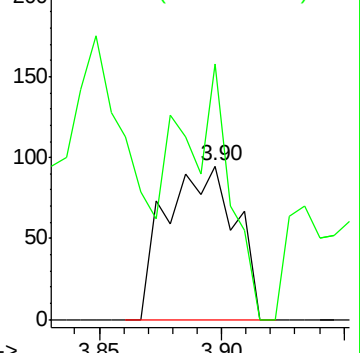
56 100

55 27.5 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 15.243 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW015436.D

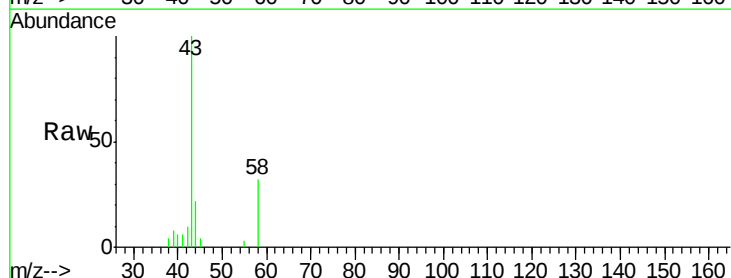
Acq: 15 May 2020 16:11

Tgt Ion: 43 Resp: 5715

Ion Ratio Lower Upper

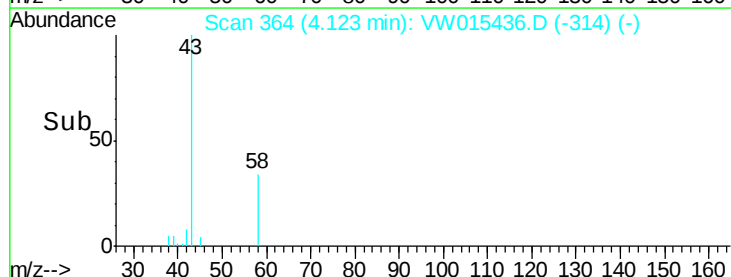
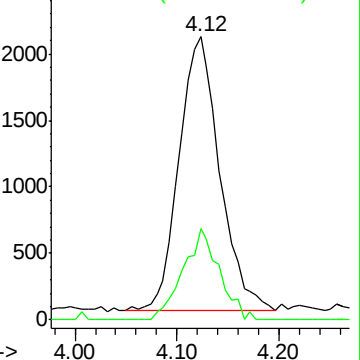
43 100

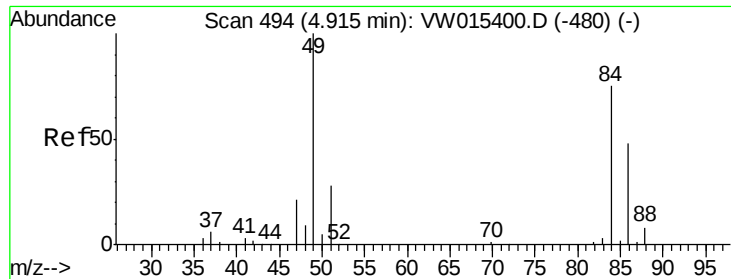
58 33.4 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

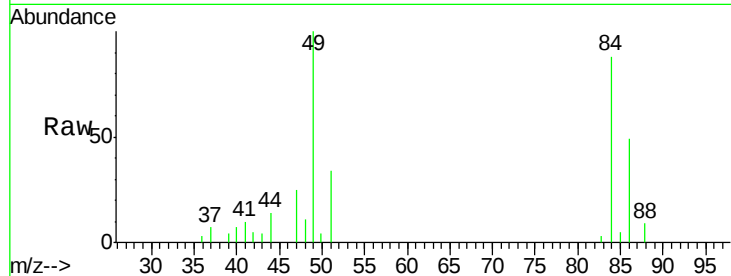




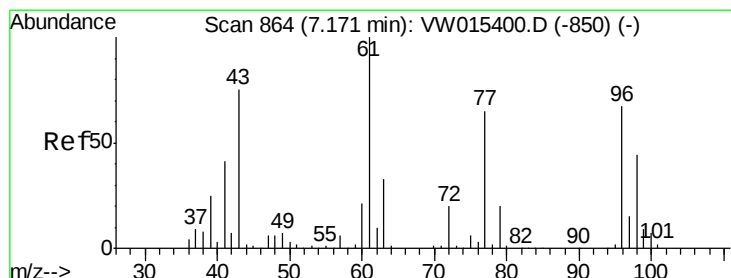
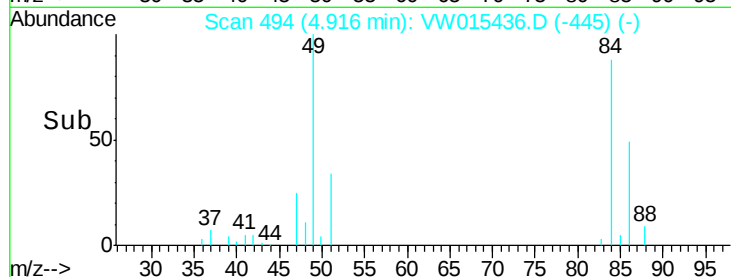
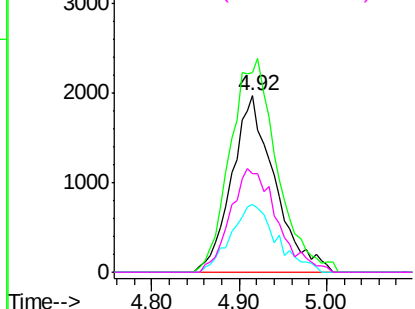
#20
Methvlene Chloride
Concen: 2.753 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015436.D
Acq: 15 May 2020 16:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 6734
Ion Ratio Lower Upper
84 100
49 113.1 106.4 159.6
51 38.8 30.2 45.2
86 55.8 51.6 77.4

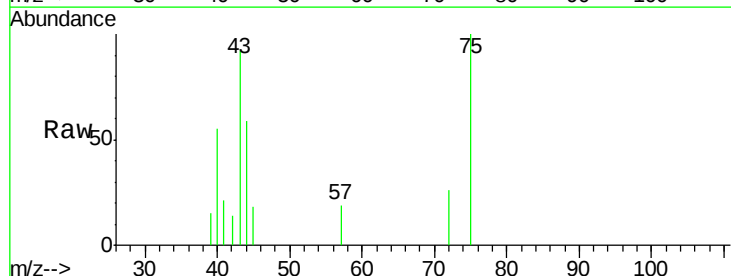


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

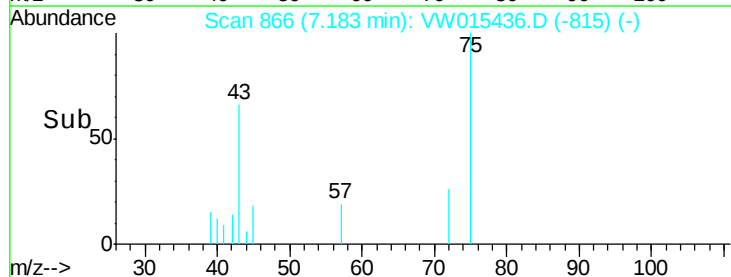
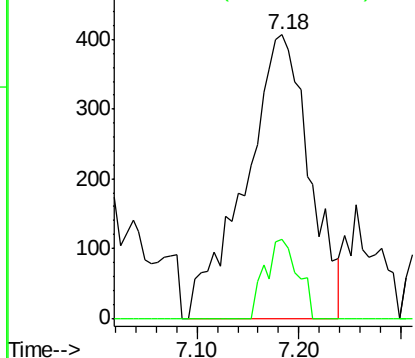


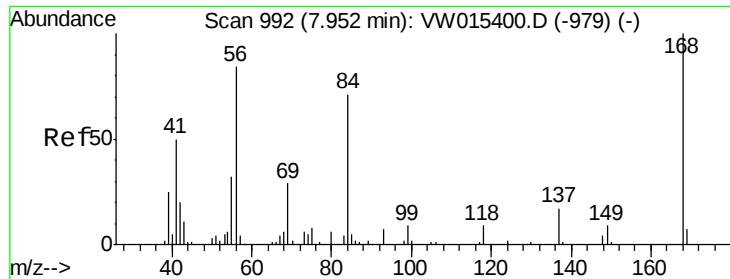
#25
2-Butanone
Concen: 3.032 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW015436.D
Acq: 15 May 2020 16:11

Tgt Ion: 43 Resp: 1772
Ion Ratio Lower Upper
43 100
72 27.8 21.4 32.0



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

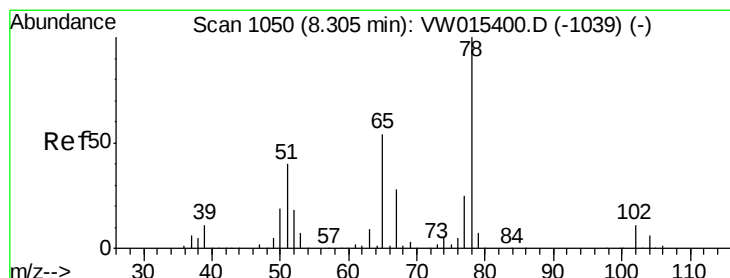
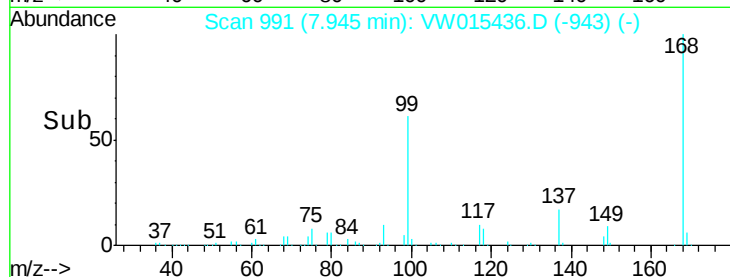
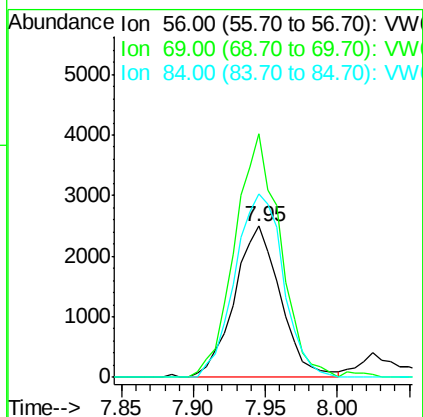
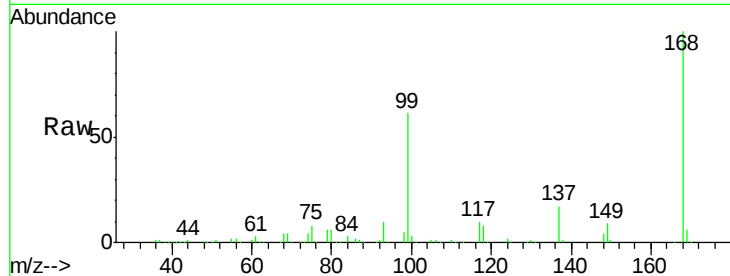




#31
Cyclohexane
Concen: 1.255 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW015436.D
Acq: 15 May 2020 16:11

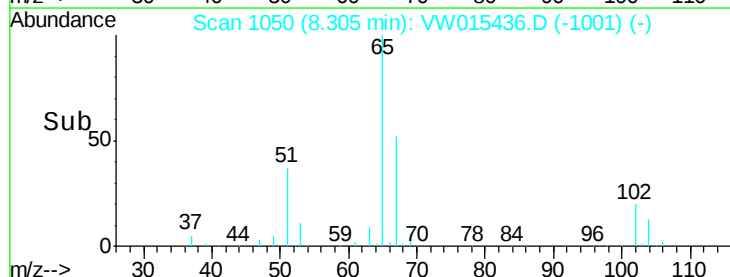
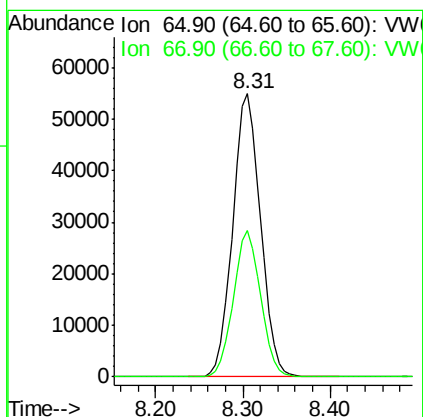
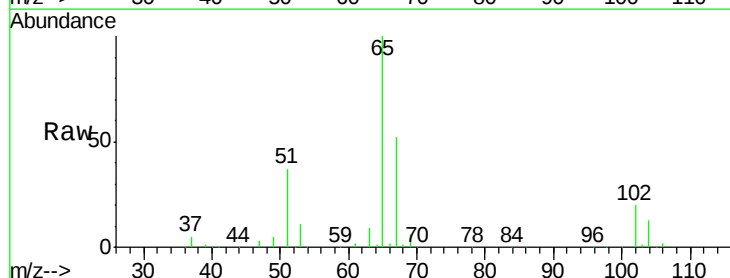
Instrument :
MSVOA_W
ClientSampled :

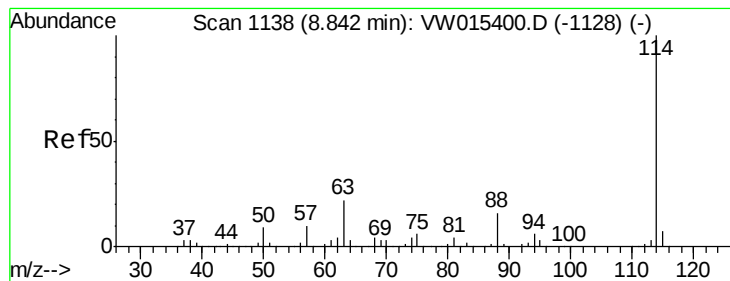
Tot Ion: 56 Resp: 5552
Ion Ratio Lower Upper
56 100
69 161.2 27.2 40.8#
84 121.1 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 50.362 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW015436.D
Acq: 15 May 2020 16:11

Tgt Ion: 65 Resp: 121544
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW015436.D

Acq: 15 May 2020 16:11

Instrument :

MSVOA_W

ClientSampleId :

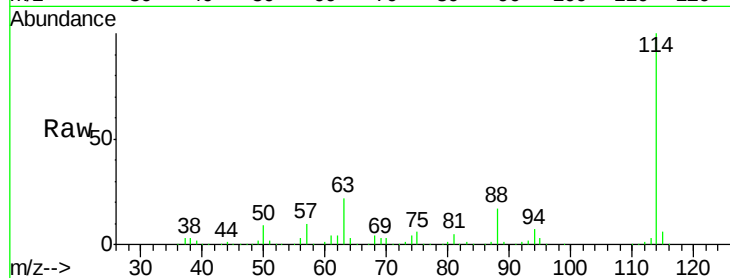
Tot Ion:114 Resp: 361720

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.4

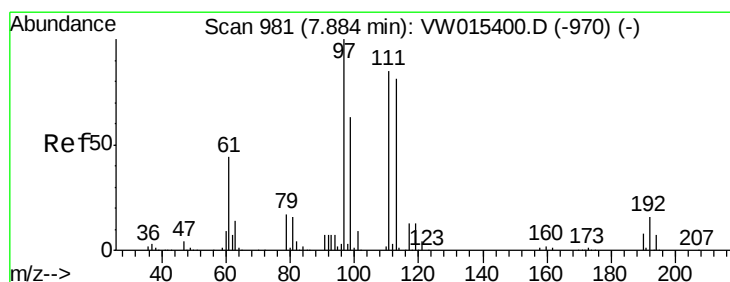
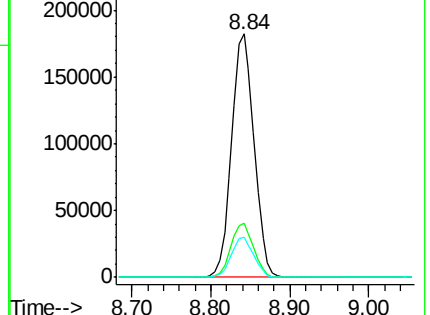
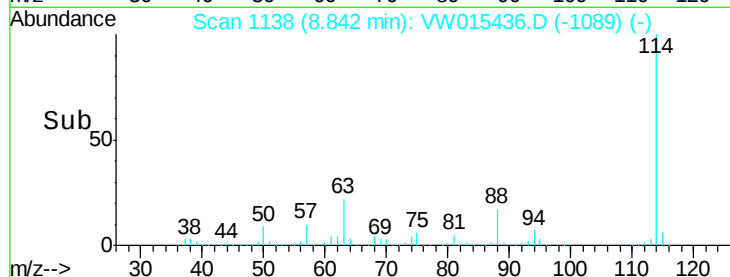
88 16.5 0.0 31.8



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: 51.978 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015436.D

Acq: 15 May 2020 16:11

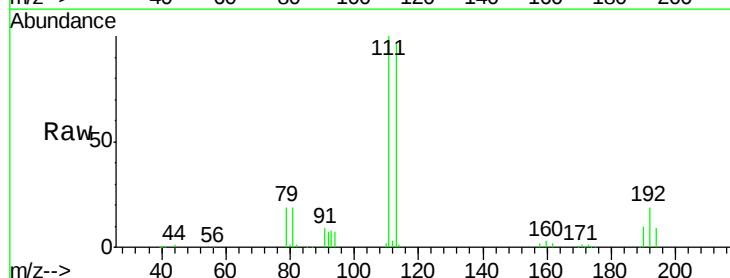
Tgt Ion:113 Resp: 107912

Ion Ratio Lower Upper

113 100

111 103.9 82.9 124.3

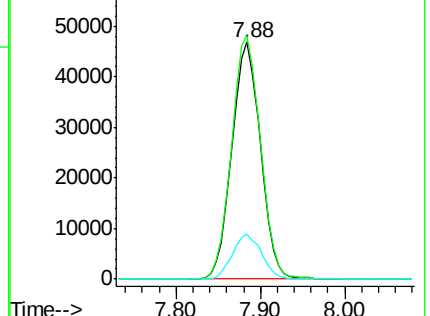
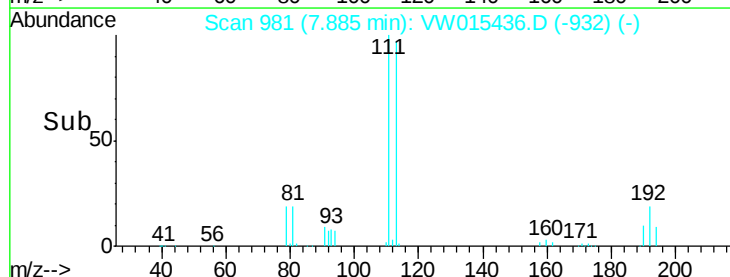
192 19.2 15.4 23.0

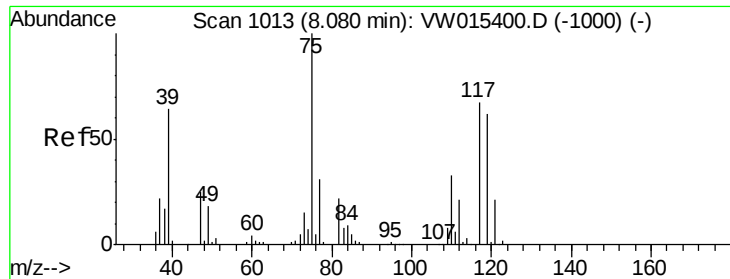


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

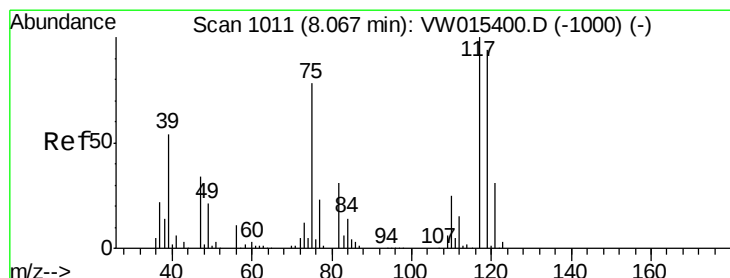
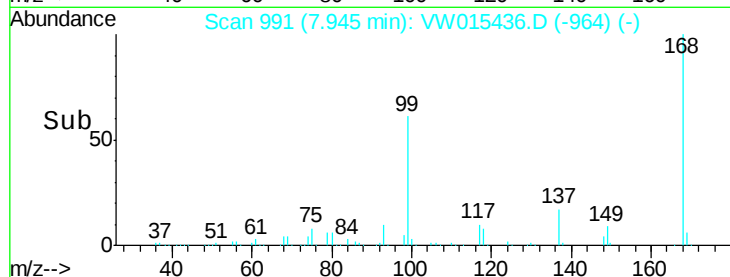
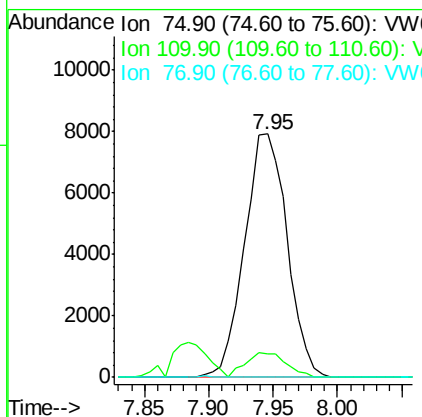
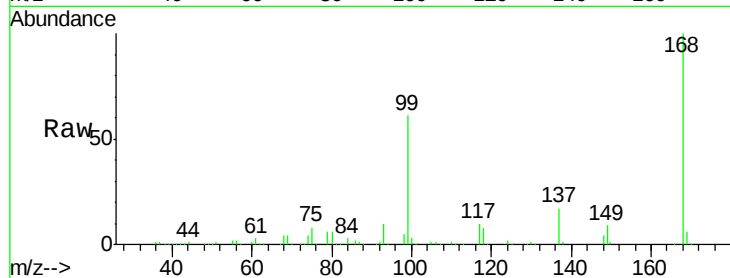




#36
 1,1-Dichloropropene
 Concen: 5.096 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW015436.D
 Acq: 15 May 2020 16:11

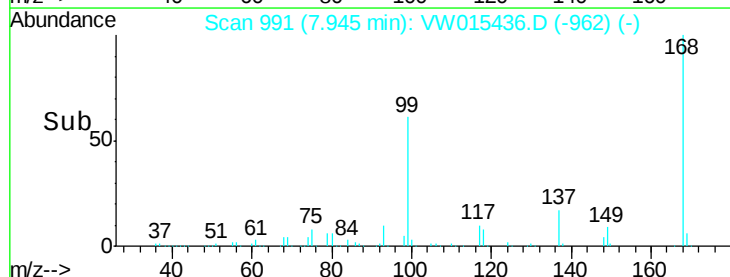
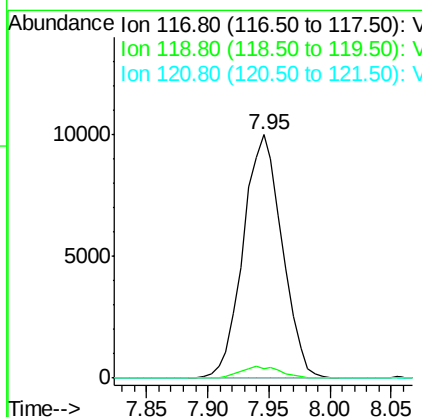
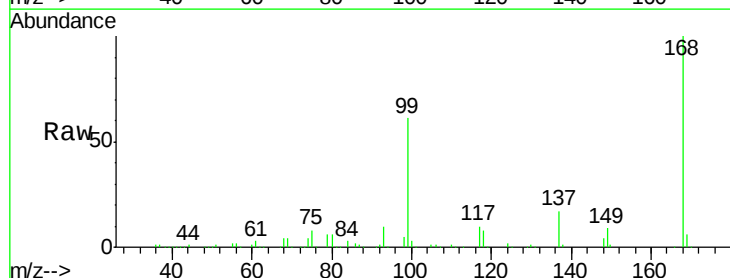
Instrument :
 MSVOA_W
 ClientSampled :

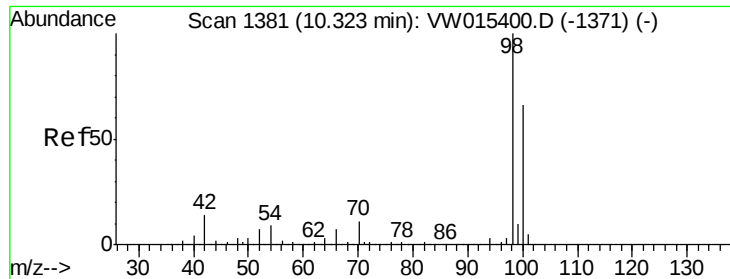
Tot Ion: 75 Resp: 18110
 Ion Ratio Lower Upper
 75 100
 110 9.7 16.6 49.8#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 6.667 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW015436.D
 Acq: 15 May 2020 16:11

Tgt Ion: 117 Resp: 22152
 Ion Ratio Lower Upper
 117 100
 119 3.9 75.4 113.0#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 51.522 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015436.D

Acq: 15 May 2020 16:11

Instrument :

MSVOA_W

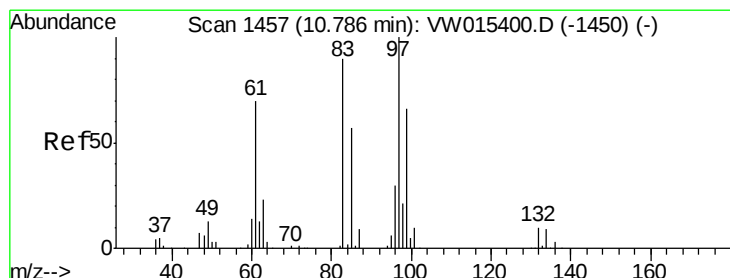
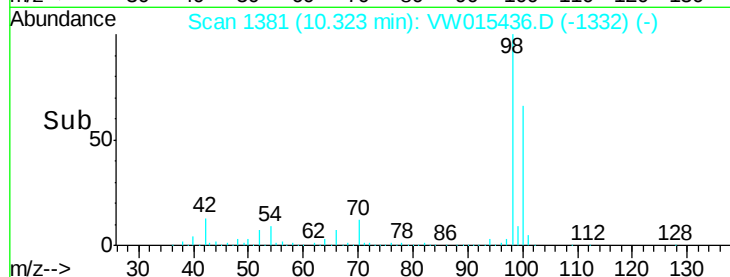
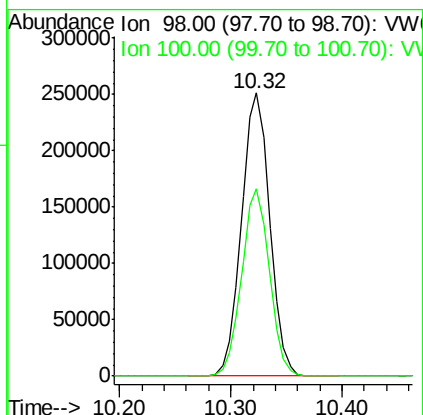
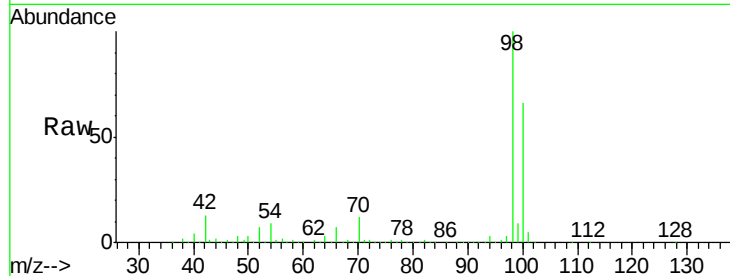
ClientSampled :

Tot Ion: 98 Resp: 442665

Ion Ratio Lower Upper

98 100

100 65.0 52.7 79.1



#55

1,1,2-Trichloroethane

Concen: 1.926 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW015436.D

Acq: 15 May 2020 16:11

Tgt Ion: 97 Resp: 3244

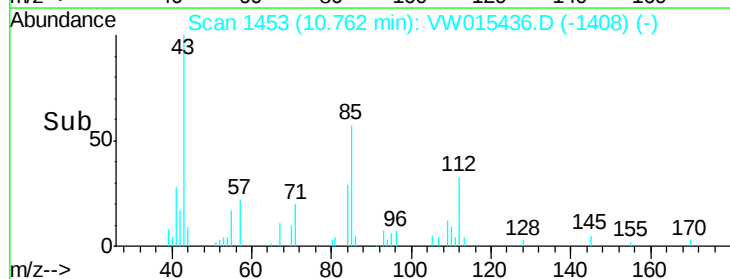
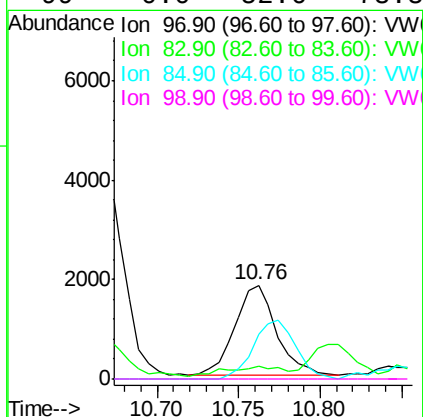
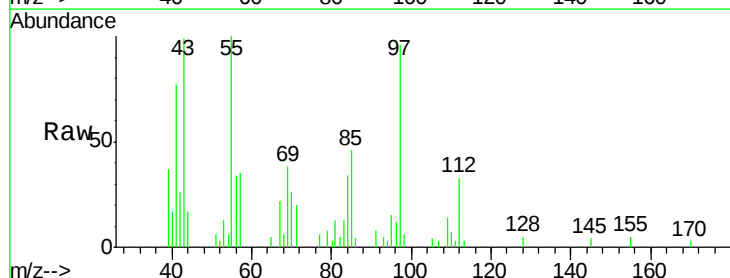
Ion Ratio Lower Upper

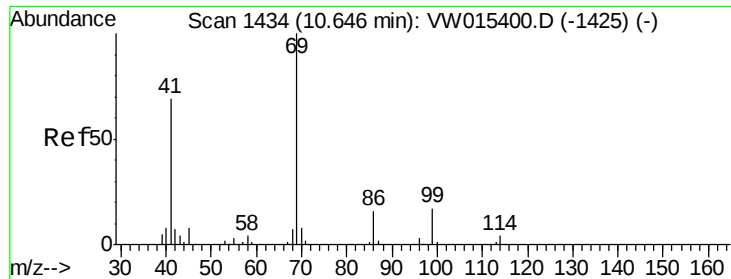
97 100

83 10.7 72.2 108.4#

85 49.4 45.2 67.8

99 0.0 52.6 78.8#





#56

Ethyl methacrylate

Concen: 1.047 ug/l

RT: 10.66 min Scan# 1437

Delta R.T. 0.02 min

Lab File: VW015436.D

Acq: 15 May 2020 16:11

Instrument :

MSVOA_W

ClientSampleId :

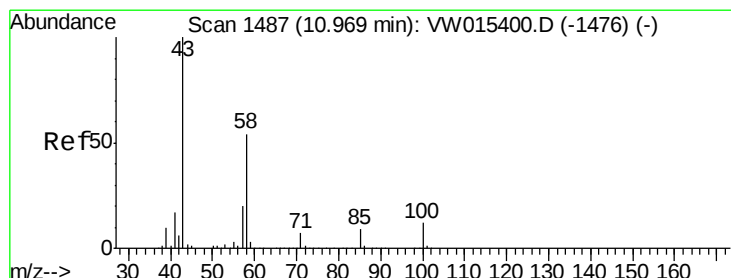
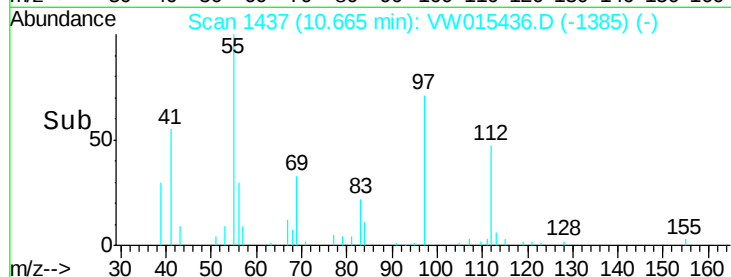
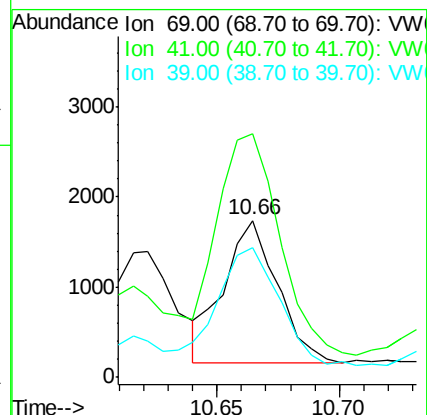
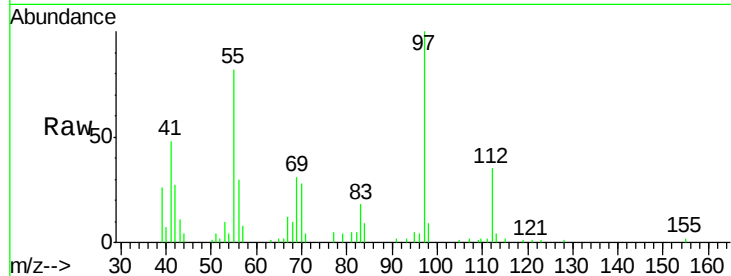
Tot Ion: 69 Resp: 2423

Ion Ratio Lower Upper

69 100

41 179.7 55.3 82.9#

39 102.5 31.9 47.9#



#59

2-Hexanone

Concen: 8.101 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW015436.D

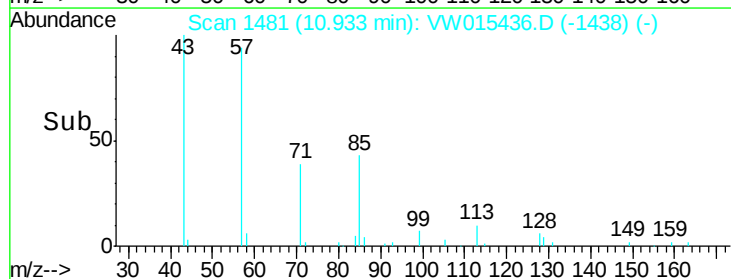
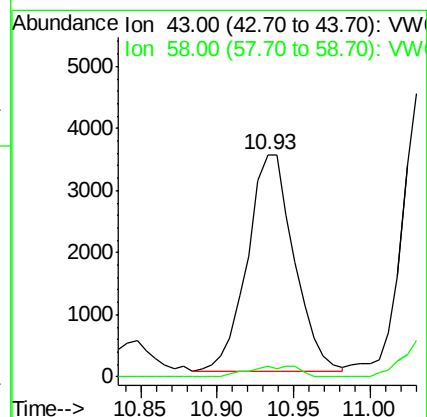
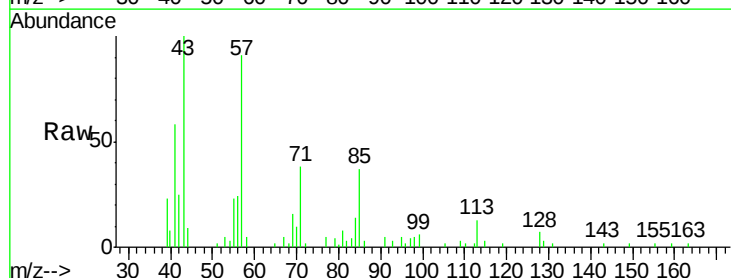
Acq: 15 May 2020 16:11

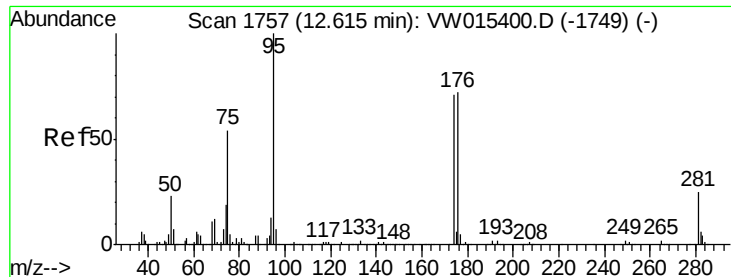
Tgt Ion: 43 Resp: 7450

Ion Ratio Lower Upper

43 100

58 5.5 26.7 80.0#

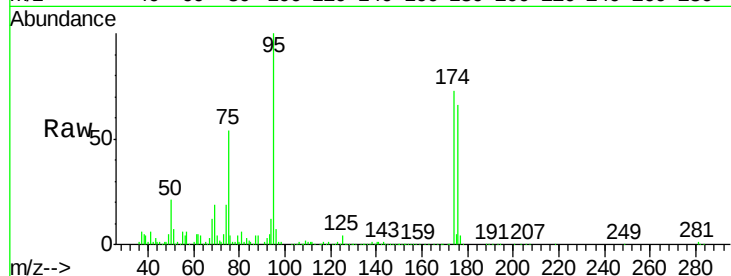




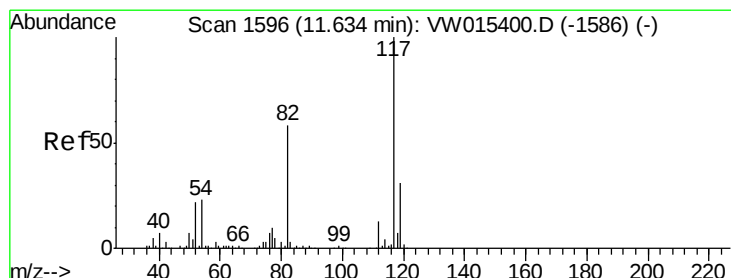
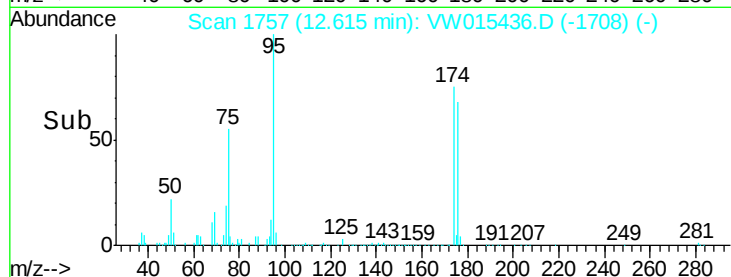
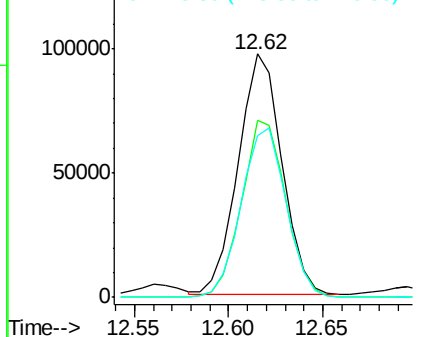
#62
4-Bromofluorobenzene
Concen: 49.053 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015436.D
Acq: 15 May 2020 16:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 95 Resp: 155623
Ion Ratio Lower Upper
95 100
174 74.5 0.0 147.6
176 72.5 0.0 144.4

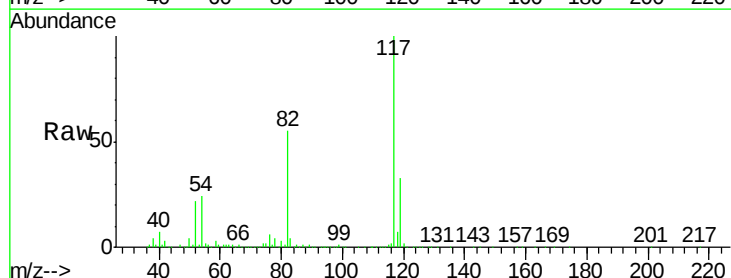


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

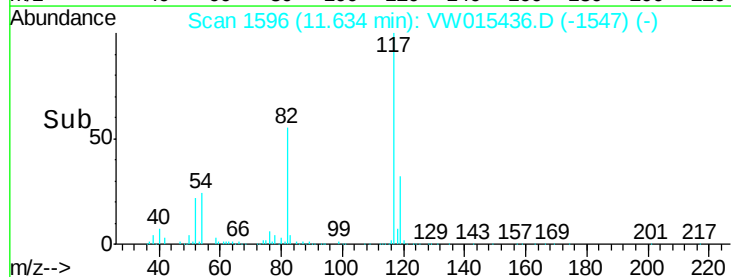
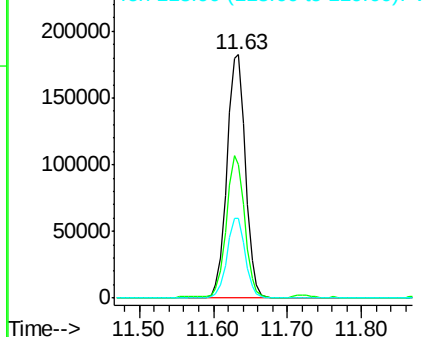


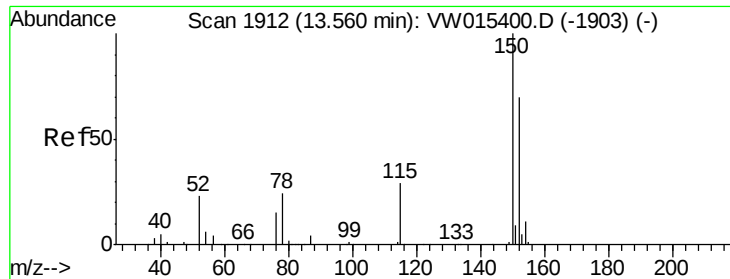
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015436.D
Acq: 15 May 2020 16:11

Tgt Ion: 117 Resp: 316018
Ion Ratio Lower Upper
117 100
82 54.7 46.4 69.6
119 32.5 24.6 37.0



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



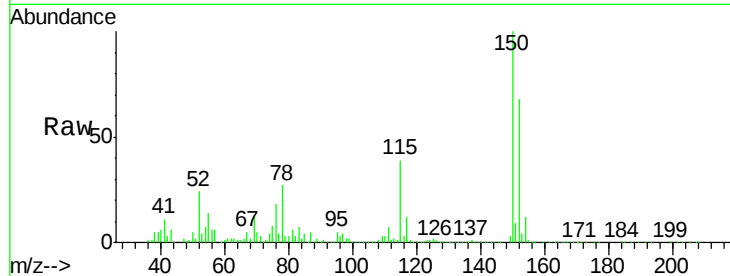


#72

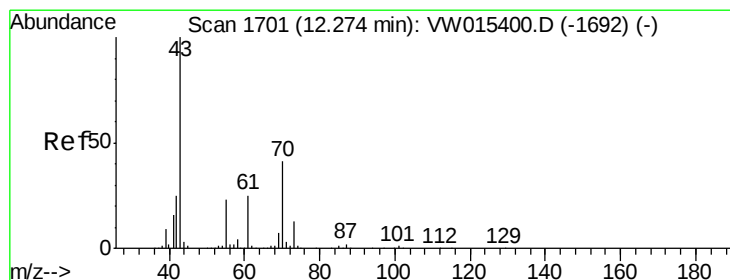
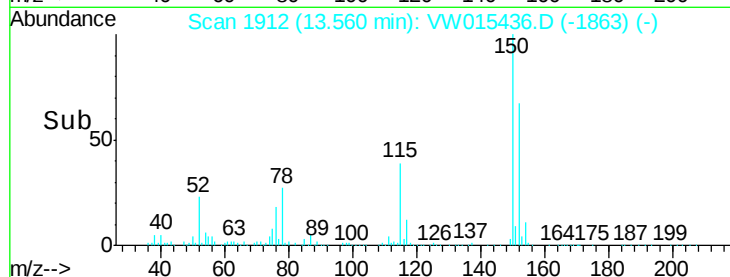
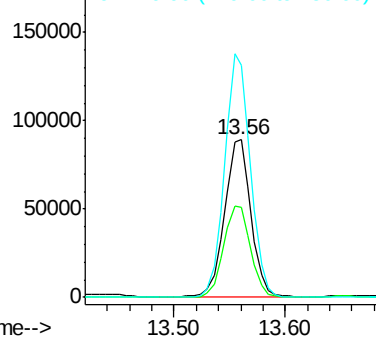
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015436.D
Acq: 15 May 2020 16:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.3	90.8
150	149.5	0.0	344.4



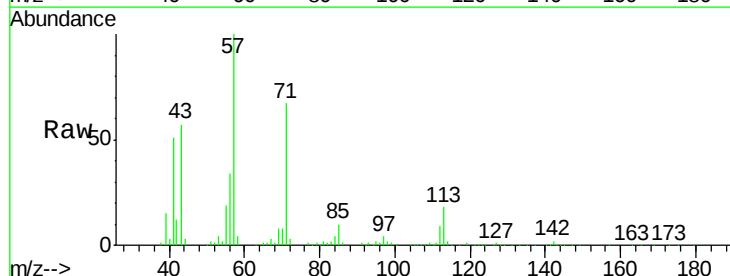
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



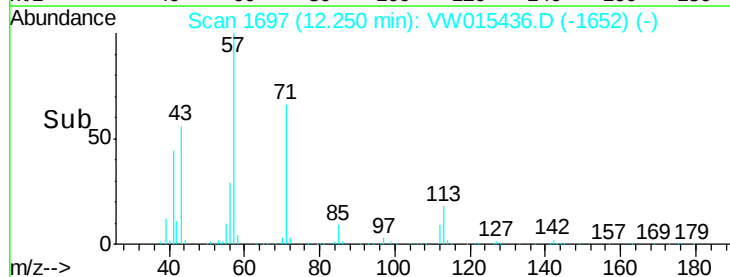
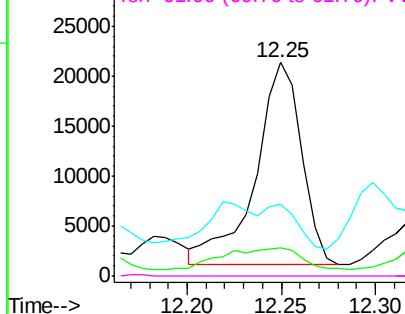
#74

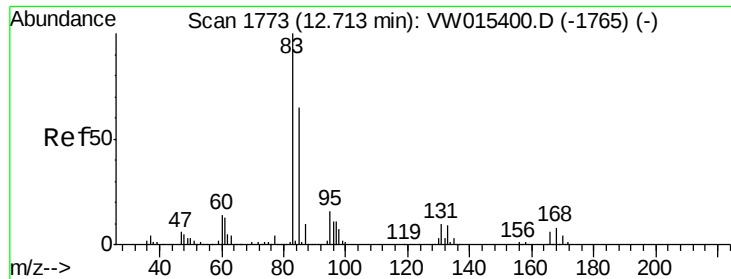
N-ethyl acetate
Concen: 13.287 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW015436.D
Acq: 15 May 2020 16:11

Tgt Ion	Ratio	Lower	Upper
43	100		
70	18.8	33.4	50.0#
55	0.0	18.9	28.3#
61	0.0	19.4	29.0#



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





#75

1,1,2,2-Tetrachloroethane

Concen: 2.018 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW015436.D

Acq: 15 May 2020 16:11

Instrument :

MSVOA_W

ClientSampleId :

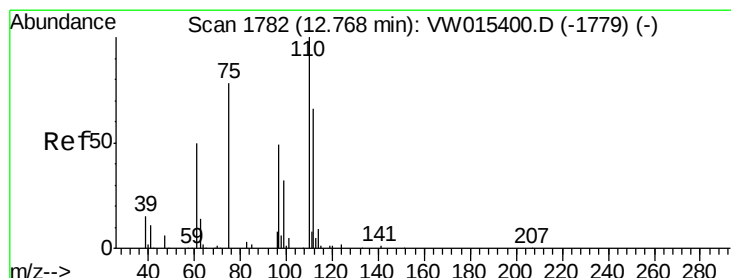
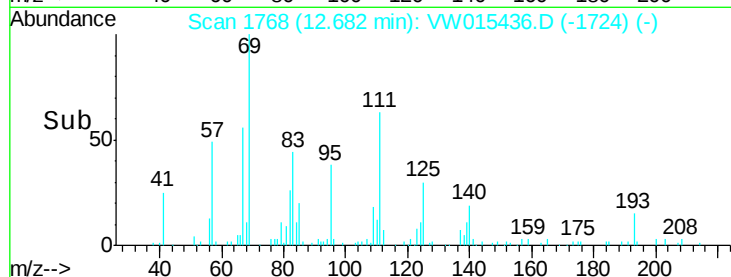
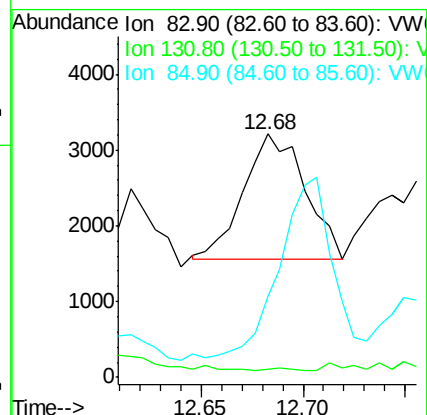
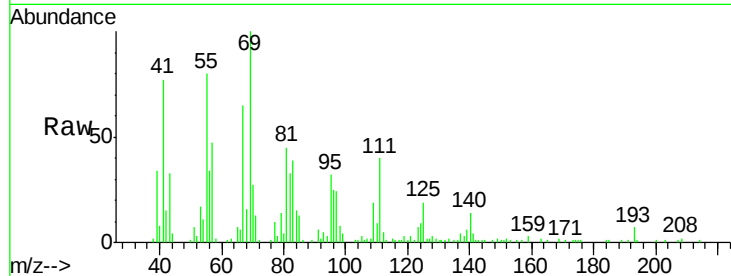
Tot Ion: 83 Resp: 3471

Ion Ratio Lower Upper

83 100

131 1.0 5.1 15.2#

85 0.0 32.2 96.6#



#76

1,2,3-Trichloropropane

Concen: 67.961 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015436.D

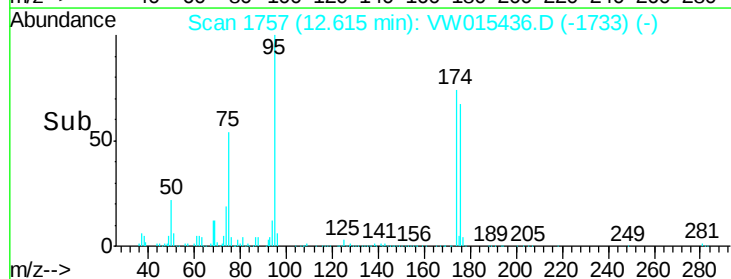
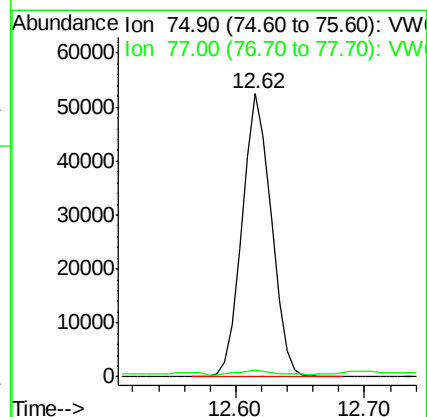
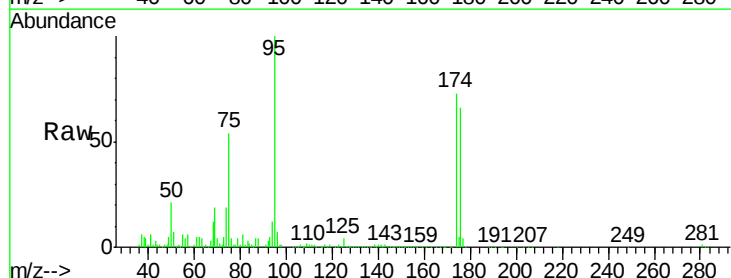
Acq: 15 May 2020 16:11

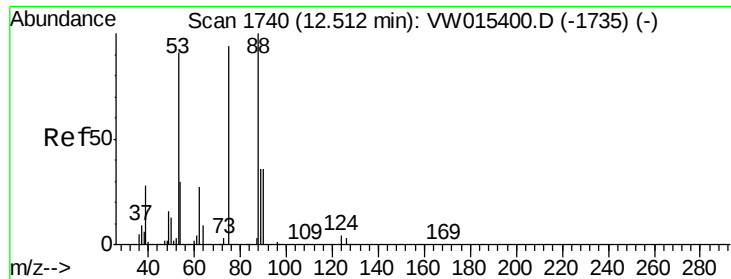
Tgt Ion: 75 Resp: 82338

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 134.428 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015436.D

Acq: 15 May 2020 16:11

Instrument :

MSVOA_W

ClientSampleId :

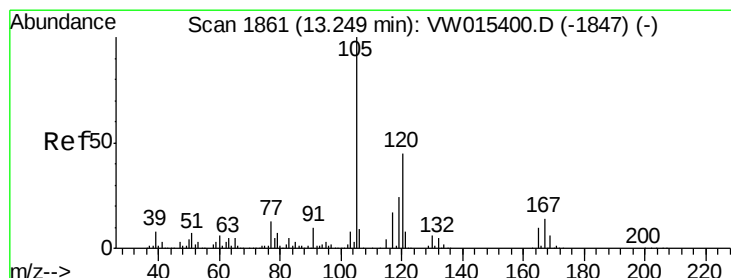
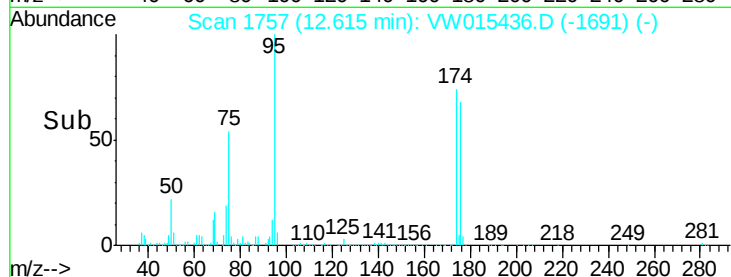
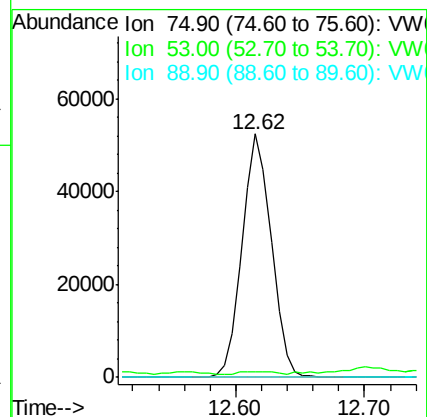
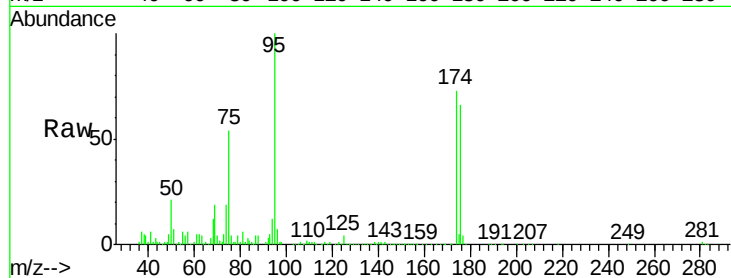
Tot Ion: 75 Resp: 82338

Ion Ratio Lower Upper

75 100

53 2.0 82.5 123.7#

89 0.0 35.8 53.8#



#84

1,2,4-Trimethylbenzene

Concen: 5.649 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.13 min

Lab File: VW015436.D

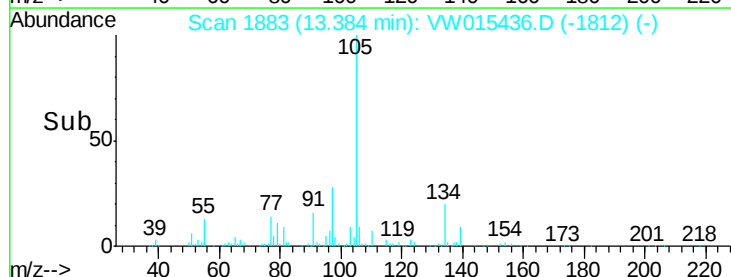
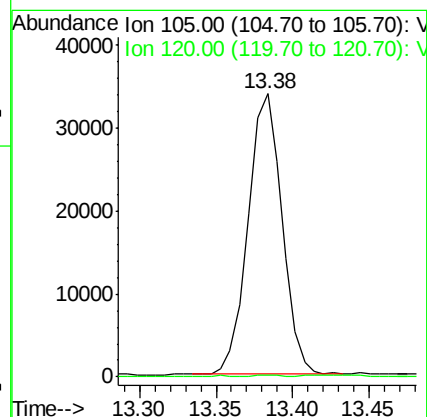
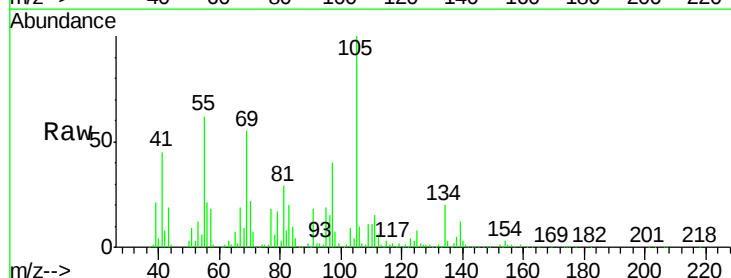
Acq: 15 May 2020 16:11

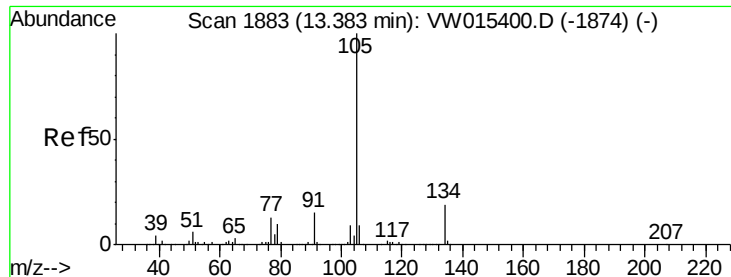
Tgt Ion: 105 Resp: 52334

Ion Ratio Lower Upper

105 100

120 0.5 22.0 66.0#

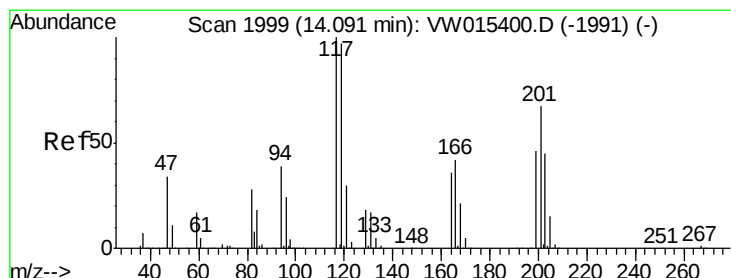
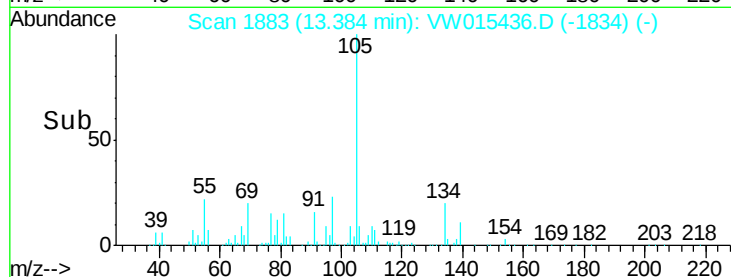
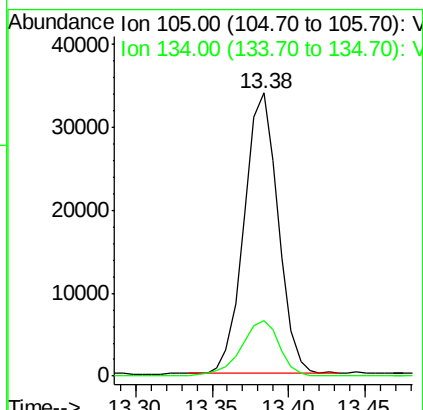
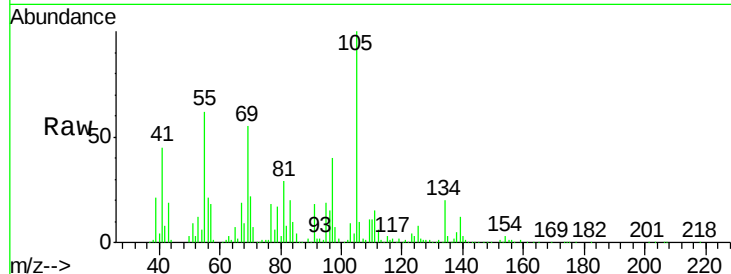




#85
 sec-Butylbenzene
 Concen: 4.700 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015436.D
 Acq: 15 May 2020 16:11

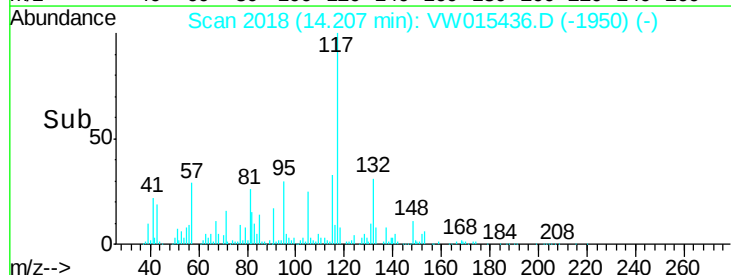
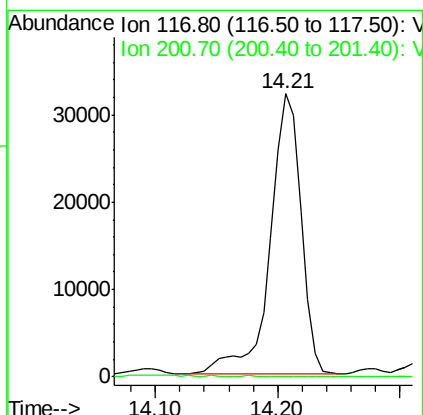
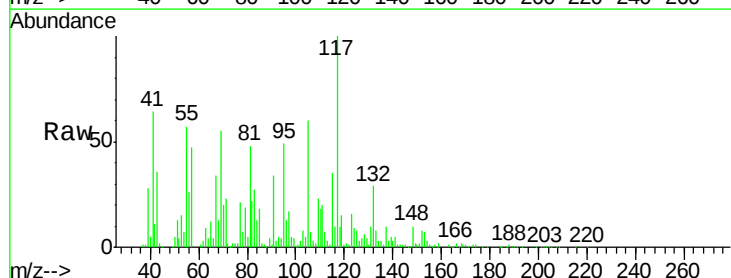
Instrument :
 MSVOA_W
 ClientSampleId :

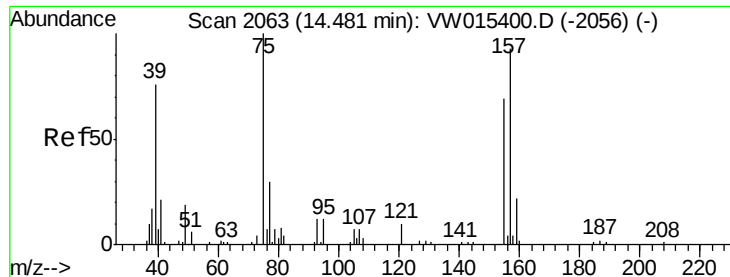
Tot Ion:105 Resp: 52334
 Ion Ratio Lower Upper
 105 100
 134 22.3 9.8 29.5



#90
 Hexachloroethane
 Concen: 30.455 ug/l
 RT: 14.21 min Scan# 2018
 Delta R.T. 0.12 min
 Lab File: VW015436.D
 Acq: 15 May 2020 16:11

Tgt Ion:117 Resp: 56993
 Ion Ratio Lower Upper
 117 100
 201 0.1 35.9 107.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.552 ug/l

RT: 14.50 min Scan# 2066

Delta R.T. 0.02 min

Lab File: VW015436.D

Acq: 15 May 2020 16:11

Instrument :

MSVOA_W

ClientSampled :

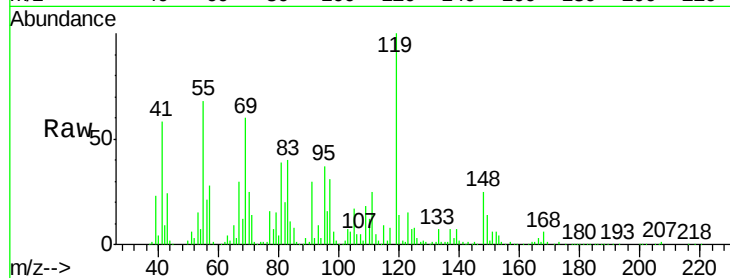
Tot Ion: 75 Resp: 466

Ion Ratio Lower Upper

75 100

155 0.0 38.7 116.1#

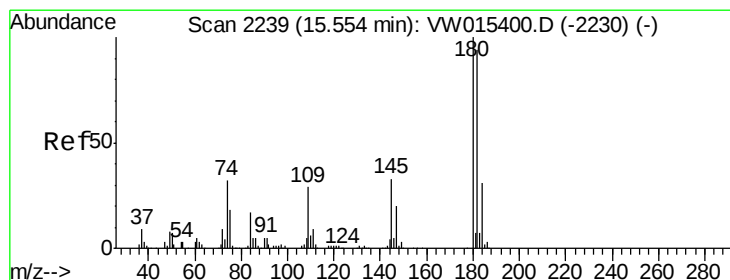
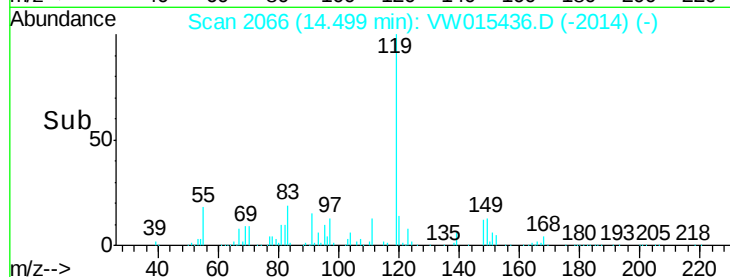
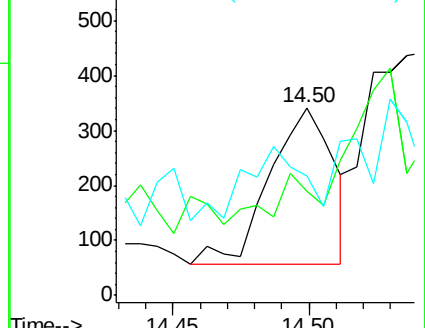
157 37.8 48.1 144.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#96

1,2,3-Trichlorobenzene

Concen: 1.425 ug/l

RT: 15.57 min Scan# 2242

Delta R.T. 0.02 min

Lab File: VW015436.D

Acq: 15 May 2020 16:11

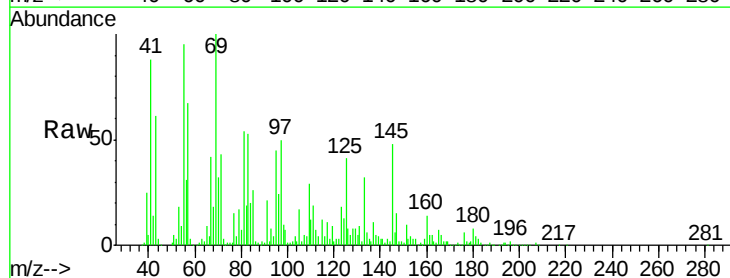
Tgt Ion: 180 Resp: 3308

Ion Ratio Lower Upper

180 100

182 0.0 47.6 142.8#

145 5039.2 16.3 48.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

