

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031423\
 Data File : VW030192.D
 Acq On : 14 Mar 2023 14:01
 Operator : SY/MD
 Sample : 01884-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CB911

Quant Time: Mar 15 01:38:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 15 01:37:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	162509	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	165074	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	104847	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	48364	4.599	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.000%
7) Chloroethane-d5	1.535	69	43575	4.415	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.200%
11) 1,1-Dichloroethene-d2	2.063	63	71850	3.324	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.400%
20) 2-Butanone-d5	3.850	46	59302	30.589	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	61.180%
24) Chloroform-d	4.262	84	92170	4.291	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
26) 1,2-Dichloroethane-d4	4.960	65	40165	4.581	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
32) Benzene-d6	4.973	84	172820	3.891	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
36) 1,2-Dichloropropane-d6	6.001	67	55491	4.153	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.252	98	149618	3.554	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.000%
43) trans-1,3-Dichloroprop...	7.564	79	19180	4.195	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.000%
46) 2-Hexanone-d5	8.040	63	68378	36.152	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.300%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	42697	4.491	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	11.570	152	74287	4.188	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	9474	0.455	ug/L	97
6) Bromomethane	1.494	94	370	0.149	ug/L #	68
14) Carbon disulfide	2.246	76	4323	0.148	ug/L #	91
33) Benzene	5.024	78	6685	0.148	ug/L	100
35) Methylcyclohexane	6.066	83	2188	0.114	ug/L	93
37) 1,2-Dichloropropane	5.998	63	5419	0.472	ug/L #	86
42) Toluene	7.326	91	21455	0.439	ug/L	98
51) Chlorobenzene	8.821	112	367647	11.164	ug/L	100
52) Ethylbenzene	8.956	91	3961	0.075	ug/L	94
53) m,p-Xylene	9.085	106	3719	0.182	ug/L	87
54) o-Xylene	9.490	106	3829	0.196	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.188	83	1987	0.216	ug/L #	40
60) Isopropylbenzene	9.876	105	148378	2.459	ug/L	99
61) 1,2,3-Trichloropropane	9.873	75	1815	0.259	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.860	105	21686	0.438	ug/L	95
63) 1,2,4-Trimethylbenzene	10.860	105	21686	0.428	ug/L	99
64) 1,3-Dichlorobenzene	11.130	146	3927	0.125	ug/L	89
65) 1,4-Dichlorobenzene	11.220	146	40768	1.286	ug/L	96
67) 1,2-Dichlorobenzene	11.590	146	5226	0.188	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031423\
Data File : VV030192.D
Acq On : 14 Mar 2023 14:01
Operator : SY/MD
Sample : 01884-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB911

Quant Time: Mar 15 01:38:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Mar 15 01:37:04 2023
Response via : Initial Calibration

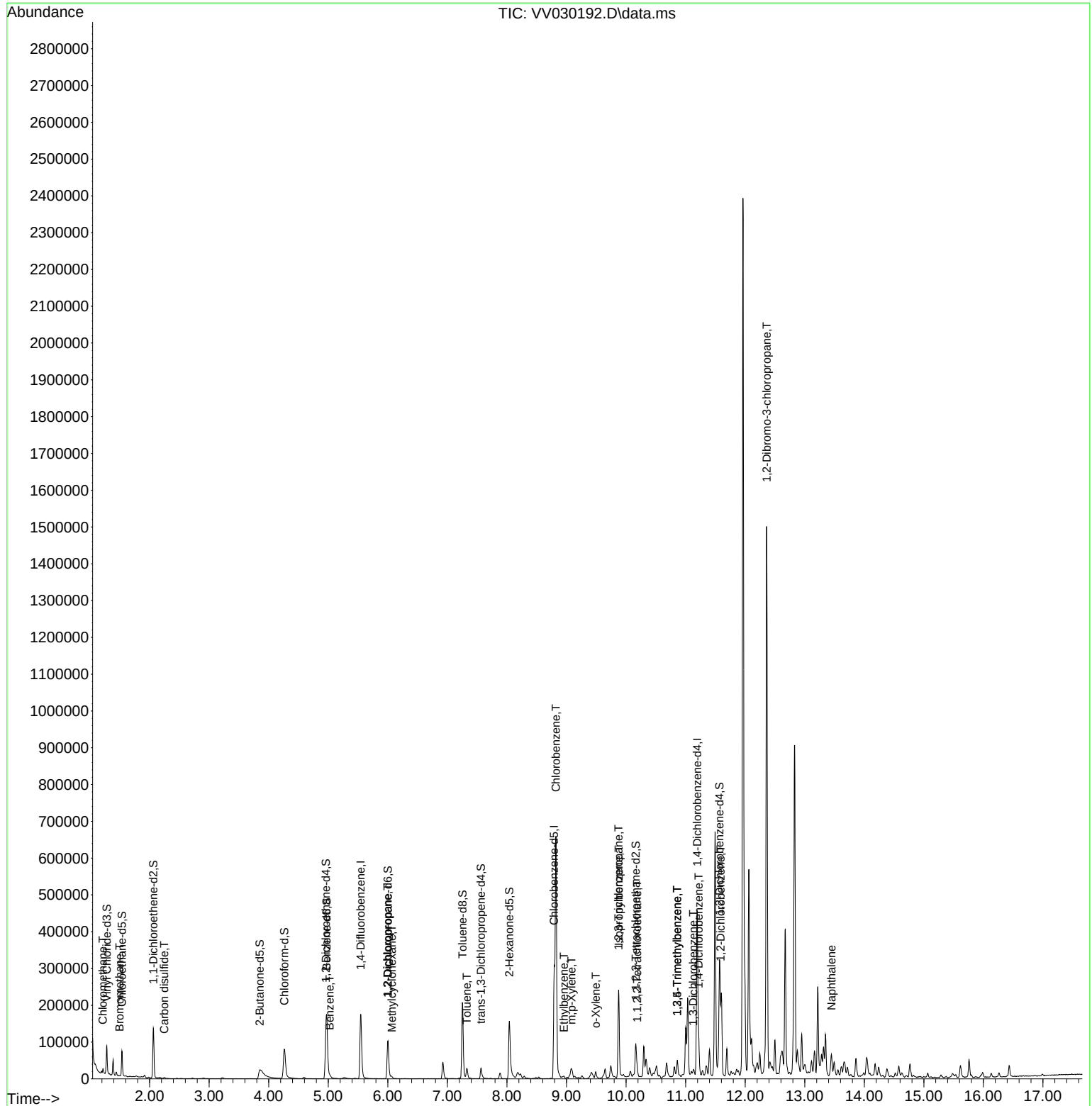
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.361	75	5562	3.549	ug/L	# 1
71) Naphthalene	13.448	128	39537	1.446	ug/L	95

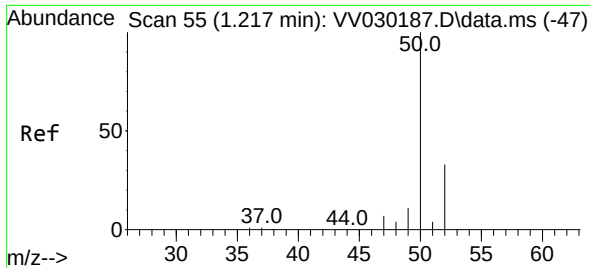
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031423\
Data File : VV030192.D
Acq On : 14 Mar 2023 14:01
Operator : SY/MD
Sample : 01884-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB911

Quant Time: Mar 15 01:38:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Mar 15 01:37:04 2023
Response via : Initial Calibration

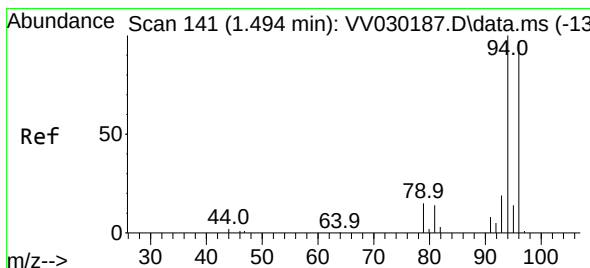
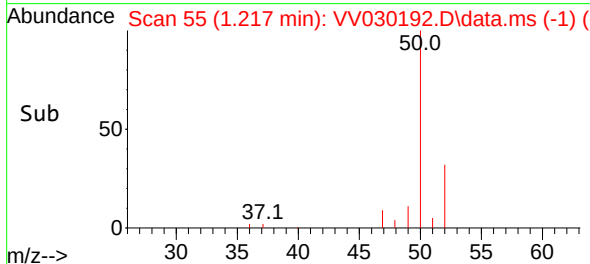
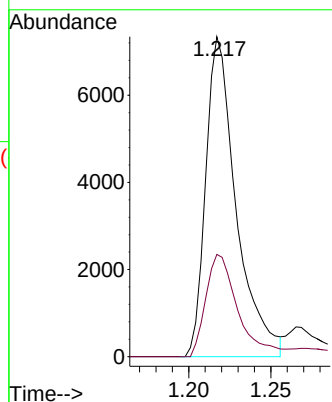
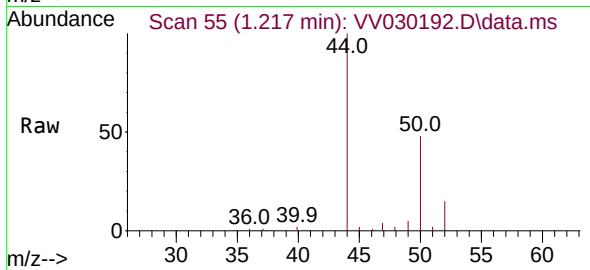




#3
Chloromethane
Concen: 0.455 ug/L
RT: 1.217 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV030192.D
Acq: 14 Mar 2023 14:01

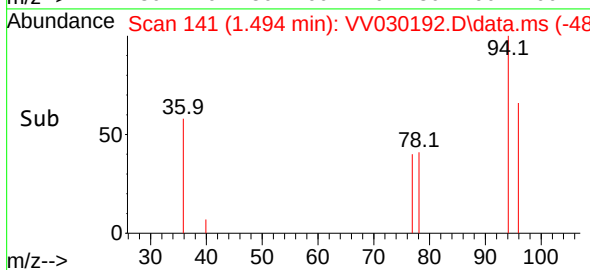
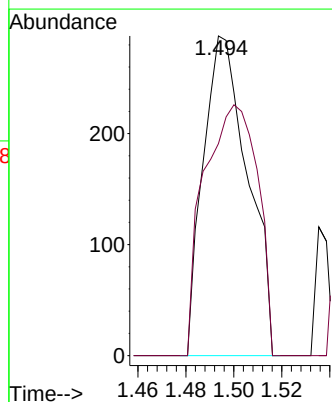
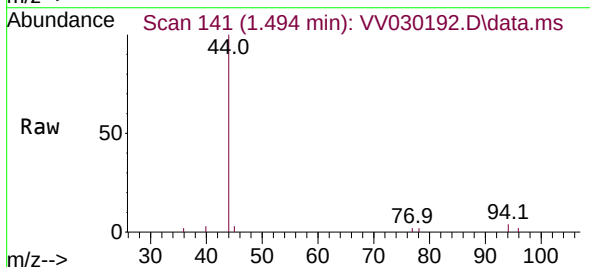
Instrument :
MSVOA_V
ClientSampleId :
CB911

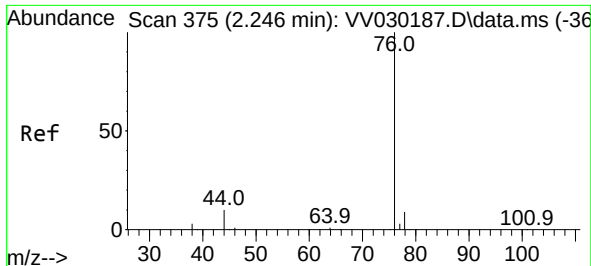
Tgt Ion: 50 Resp: 9474
Ion Ratio Lower Upper
50 100
52 32.0 23.6 43.8



#6
Bromomethane
Concen: 0.149 ug/L
RT: 1.494 min Scan# 141
Delta R.T. -0.000 min
Lab File: VV030192.D
Acq: 14 Mar 2023 14:01

Tgt Ion: 94 Resp: 370
Ion Ratio Lower Upper
94 100
96 66.3 68.4 127.0#

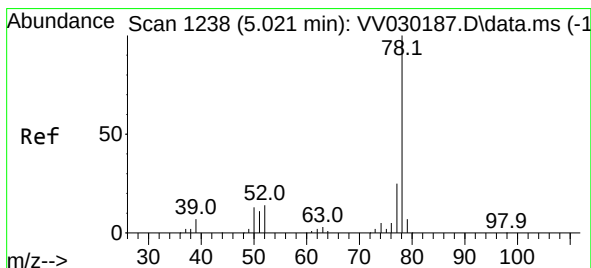
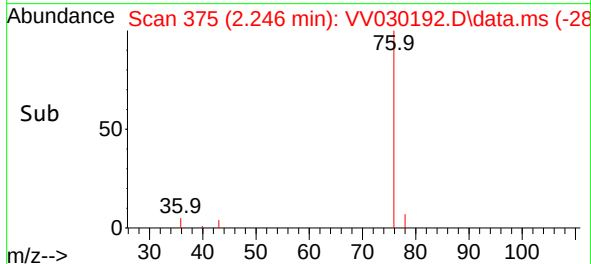
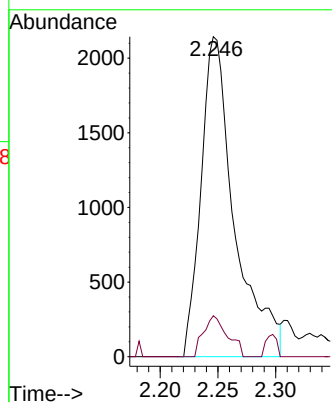
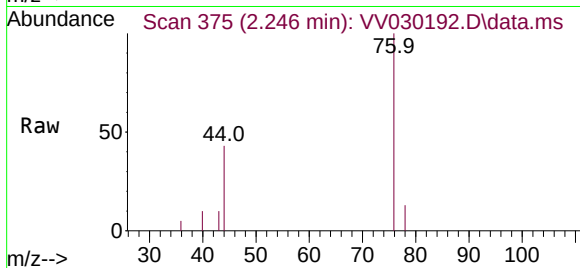




#14
Carbon disulfide
Concen: 0.148 ug/L
RT: 2.246 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV030192.D
Acq: 14 Mar 2023 14:01

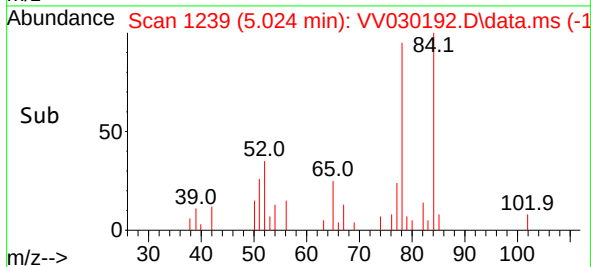
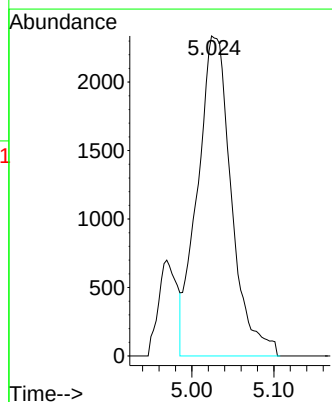
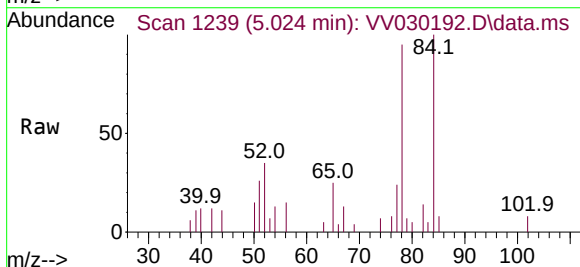
Instrument :
MSVOA_V
ClientSampleId :
CB911

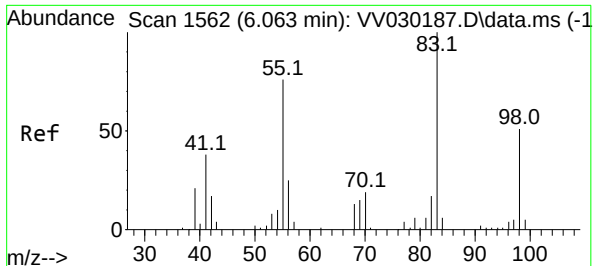
Tgt Ion: 76 Resp: 4323
Ion Ratio Lower Upper
76 100
78 12.8 7.7 11.5#



#33
Benzene
Concen: 0.148 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.003 min
Lab File: VV030192.D
Acq: 14 Mar 2023 14:01

Tgt Ion: 78 Resp: 6685

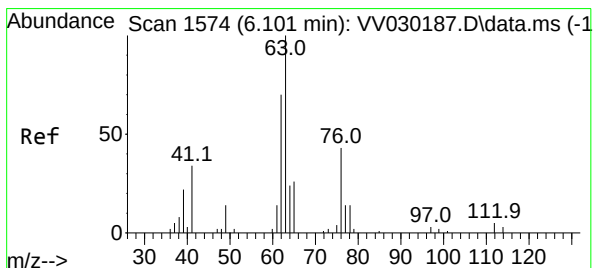
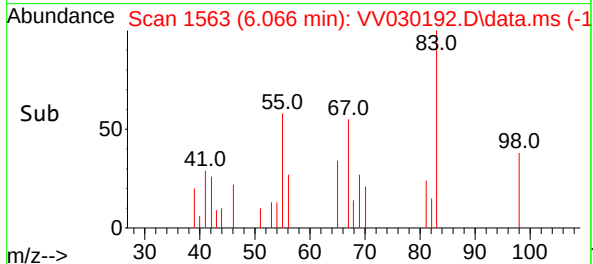
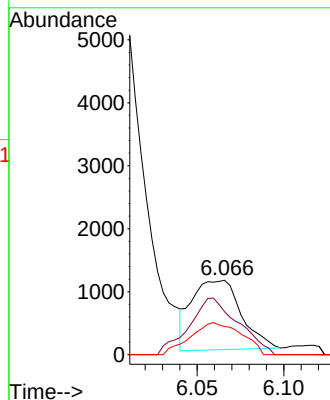
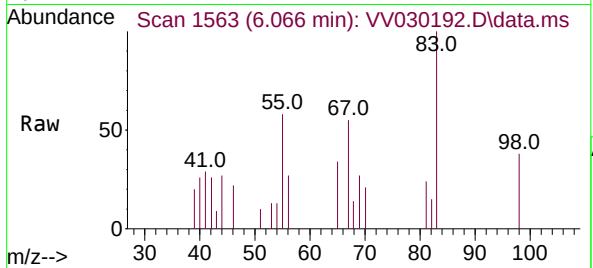




#35
Methylcyclohexane
Concen: 0.114 ug/L
RT: 6.066 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV030192.D
Acq: 14 Mar 2023 14:01

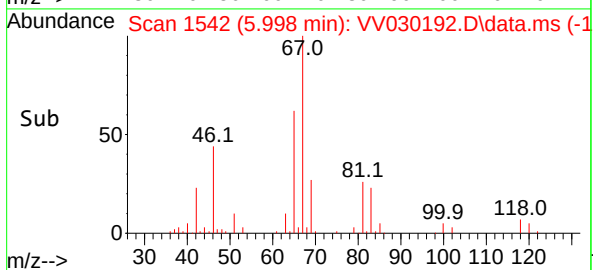
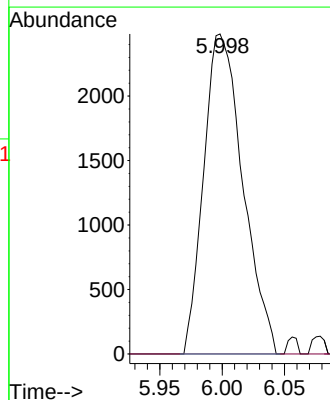
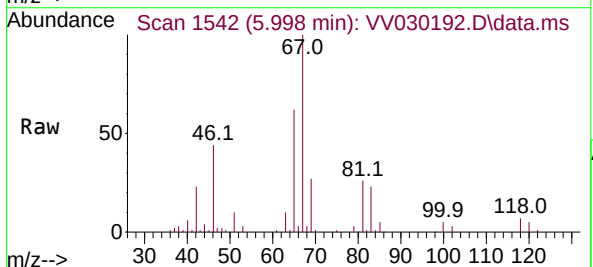
Instrument :
MSVOA_V
ClientSampleId :
CB911

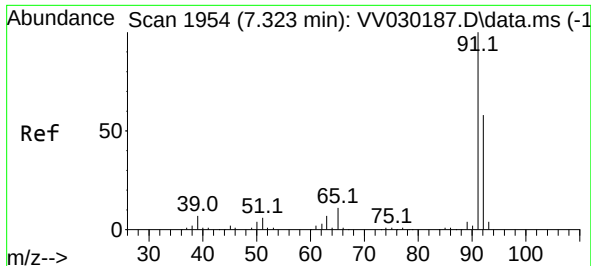
Tgt Ion: 83 Resp: 2188
Ion Ratio Lower Upper
83 100
55 81.0 57.6 86.4
98 47.7 38.8 58.2



#37
1,2-Dichloropropane
Concen: 0.472 ug/L
RT: 5.998 min Scan# 1542
Delta R.T. -0.103 min
Lab File: VV030192.D
Acq: 14 Mar 2023 14:01

Tgt Ion: 63 Resp: 5419
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#42

Toluene

Concen: 0.439 ug/L

RT: 7.326 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VV030192.D

Acq: 14 Mar 2023 14:01

Instrument :

MSVOA_V

ClientSampleId :

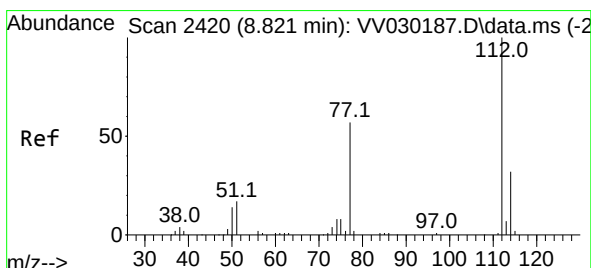
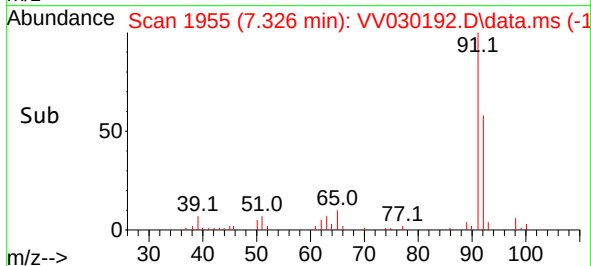
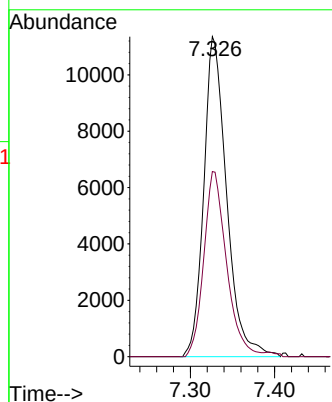
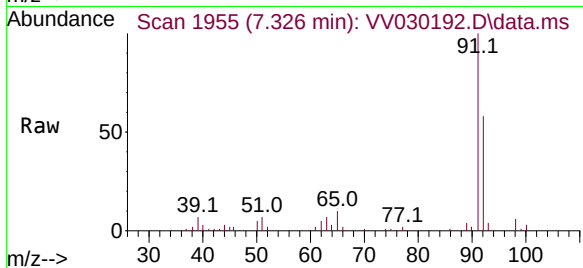
CB911

Tgt Ion: 91 Resp: 21455

Ion Ratio Lower Upper

91 100

92 57.9 39.6 73.6



#51

Chlorobenzene

Concen: 11.164 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030192.D

Acq: 14 Mar 2023 14:01

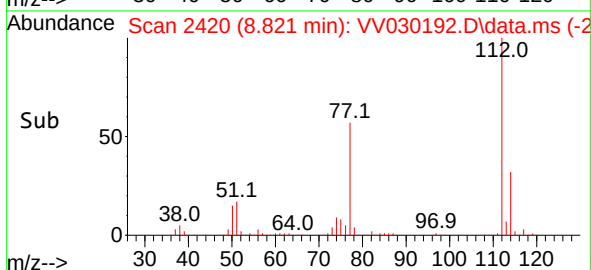
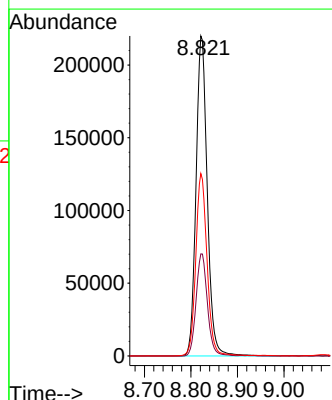
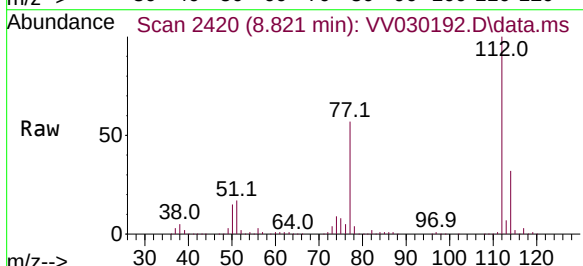
Tgt Ion: 112 Resp: 367647

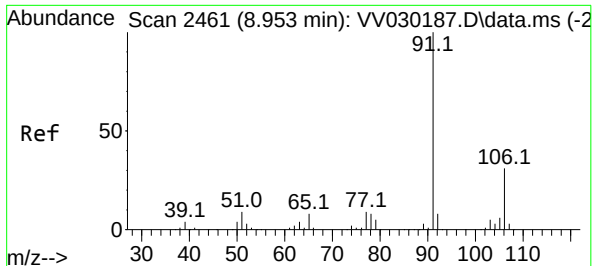
Ion Ratio Lower Upper

112 100

114 31.9 22.5 41.7

77 57.0 45.3 67.9





#52

Ethylbenzene

Concen: 0.075 ug/L

RT: 8.956 min Scan# 2461

Delta R.T. 0.003 min

Lab File: VV030192.D

Acq: 14 Mar 2023 14:01

Instrument :

MSVOA_V

ClientSampleId :

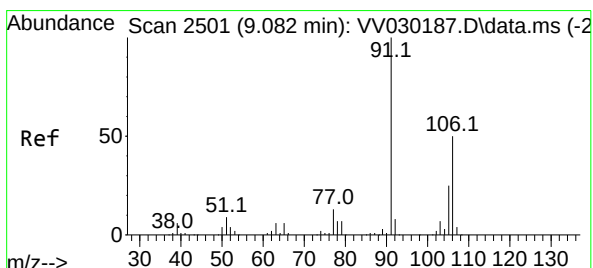
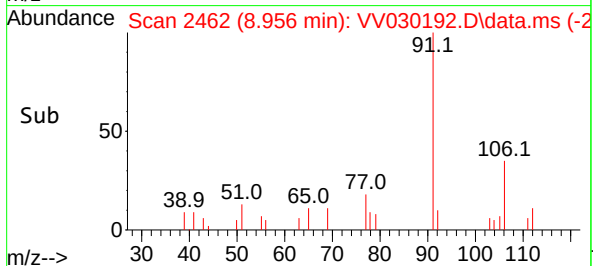
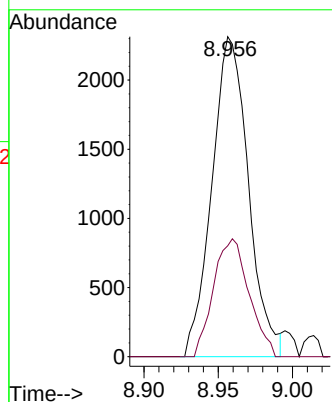
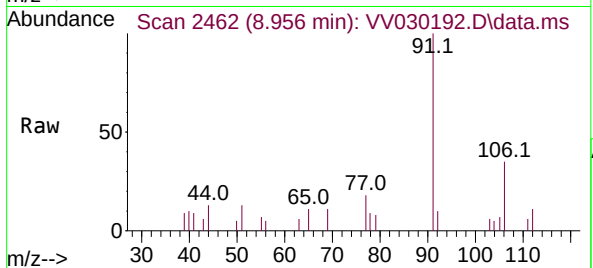
CB911

Tgt Ion: 91 Resp: 3961

Ion Ratio Lower Upper

91 100

106 34.7 22.0 40.8



#53

m,p-Xylene

Concen: 0.182 ug/L

RT: 9.085 min Scan# 2502

Delta R.T. 0.003 min

Lab File: VV030192.D

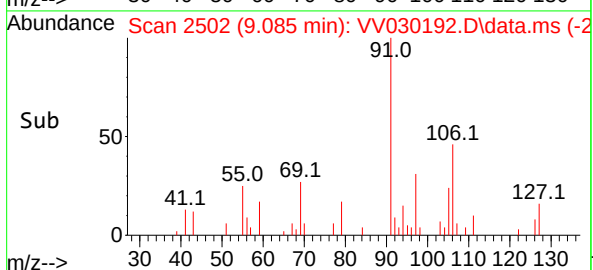
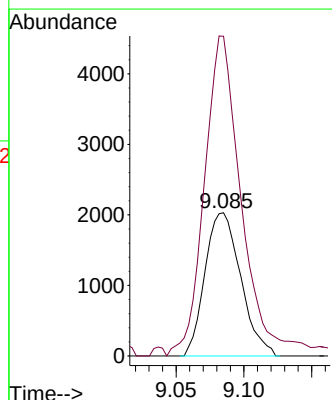
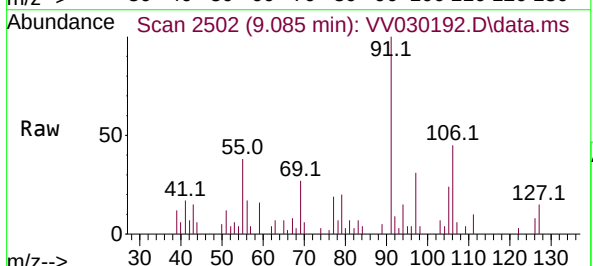
Acq: 14 Mar 2023 14:01

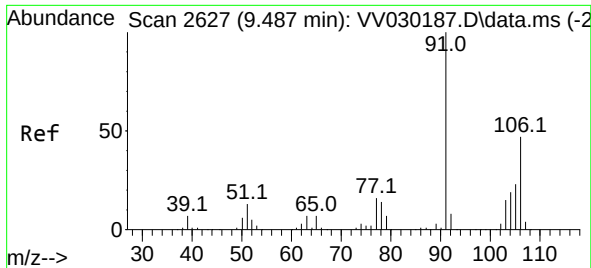
Tgt Ion: 106 Resp: 3719

Ion Ratio Lower Upper

106 100

91 223.2 142.5 264.7

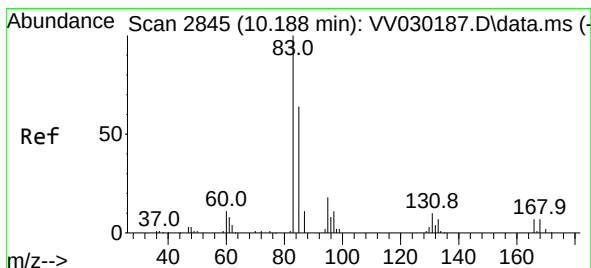
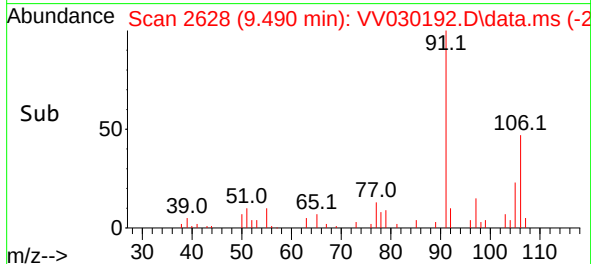
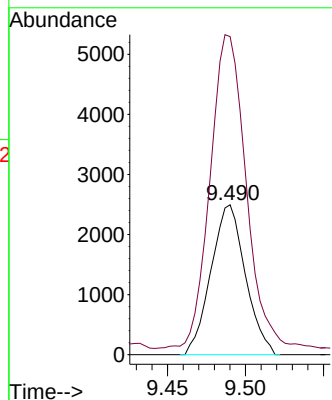
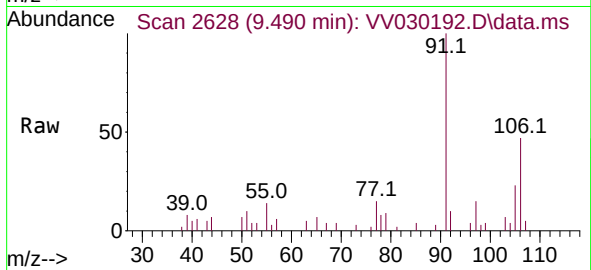




#54
o-Xylene
Concen: 0.196 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.003 min
Lab File: VV030192.D
Acq: 14 Mar 2023 14:01

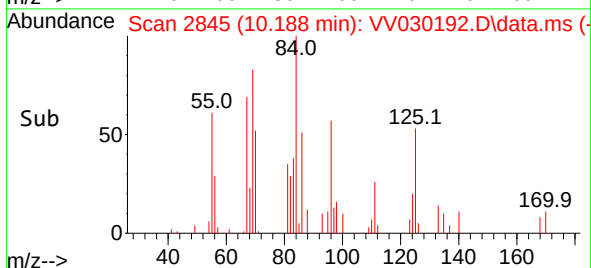
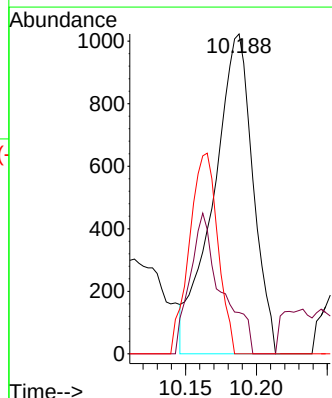
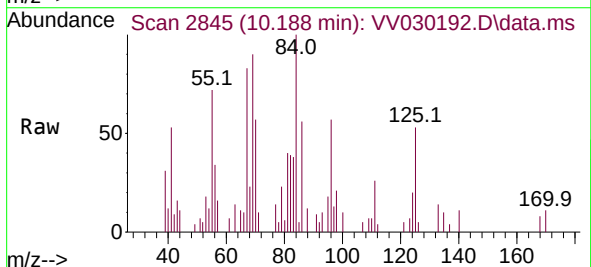
Instrument :
MSVOA_V
ClientSampleId :
CB911

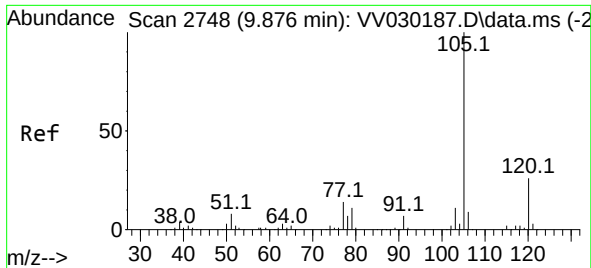
Tgt Ion:106 Resp: 3829
Ion Ratio Lower Upper
106 100
91 212.2 148.8 276.4



#57
1,1,2,2-Tetrachloroethane
Concen: 0.216 ug/L
RT: 10.188 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VV030192.D
Acq: 14 Mar 2023 14:01

Tgt Ion: 83 Resp: 1987
Ion Ratio Lower Upper
83 100
85 12.9 45.0 83.6#
131 0.0 8.2 12.4#

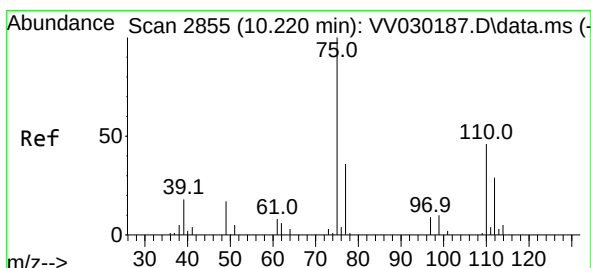
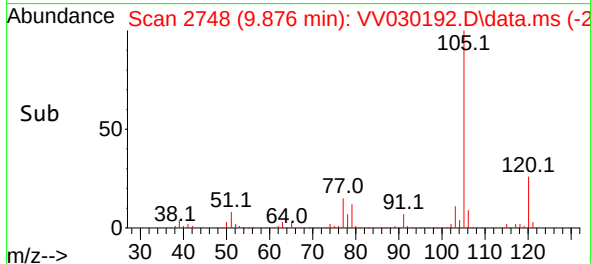
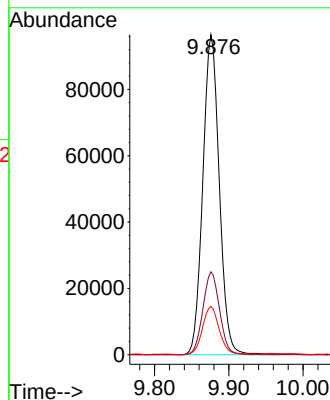
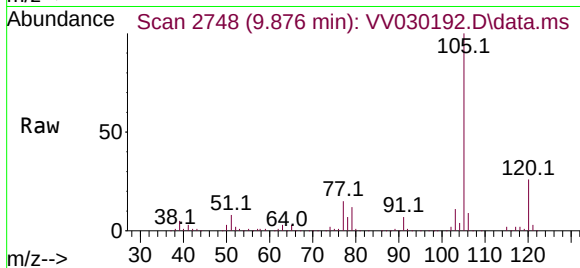




#60
Isopropylbenzene
Concen: 2.459 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030192.D
Acq: 14 Mar 2023 14:01

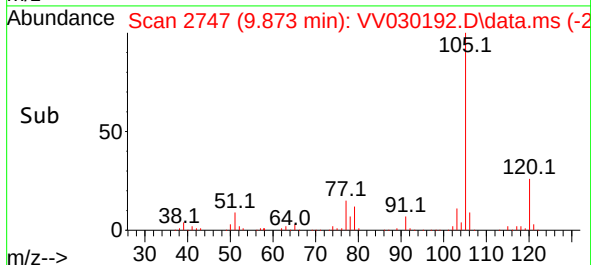
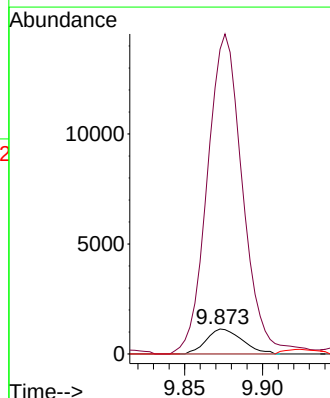
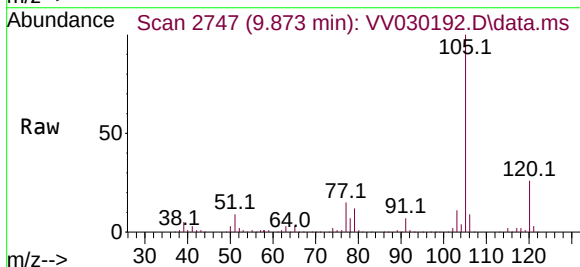
Instrument :
MSVOA_V
ClientSampleId :
CB911

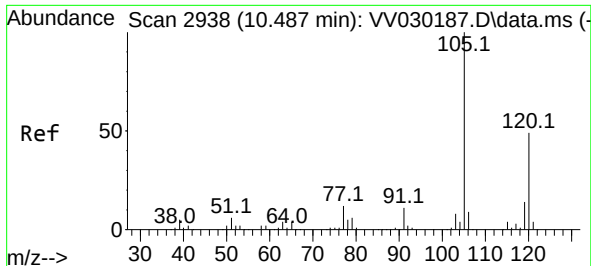
Tgt Ion:105 Resp: 148378
Ion Ratio Lower Upper
105 100
120 26.2 21.4 32.0
77 15.5 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 0.259 ug/L
RT: 9.873 min Scan# 2747
Delta R.T. -0.347 min
Lab File: VV030192.D
Acq: 14 Mar 2023 14:01

Tgt Ion: 75 Resp: 1815
Ion Ratio Lower Upper
75 100
77 1268.5 26.5 39.7#
110 17.1 31.8 47.6#





#62

1,3,5-Trimethylbenzene

Concen: 0.438 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.373 min

Lab File: VV030192.D

Acq: 14 Mar 2023 14:01

Instrument :

MSVOA_V

ClientSampleId :

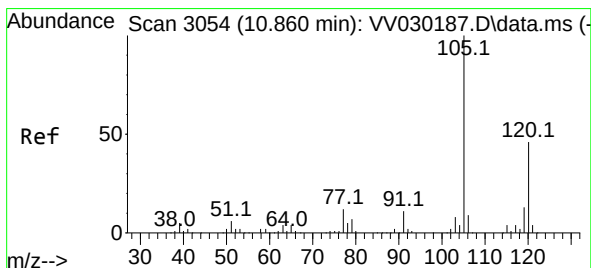
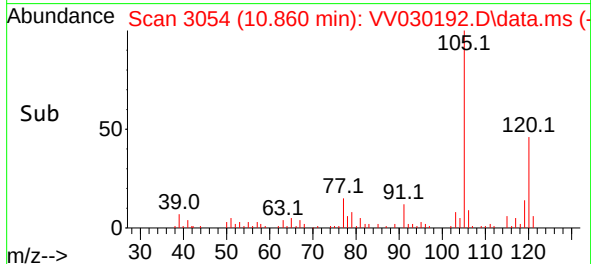
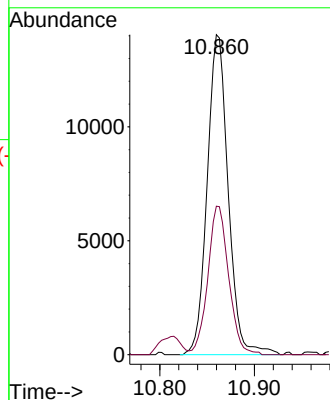
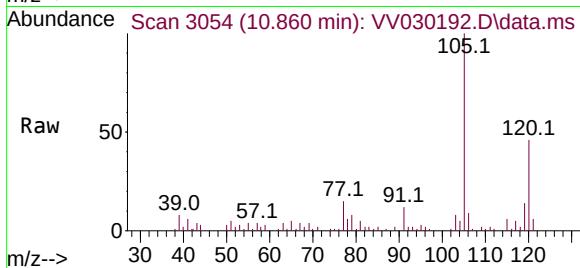
CB911

Tgt Ion:105 Resp: 21686

Ion Ratio Lower Upper

105 100

120 46.1 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 0.428 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030192.D

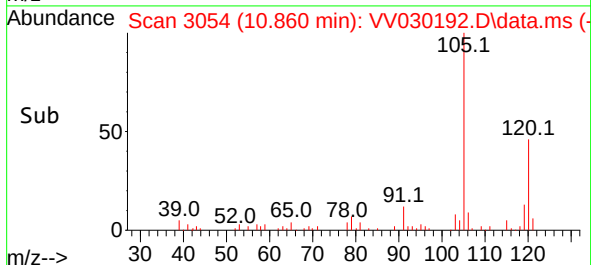
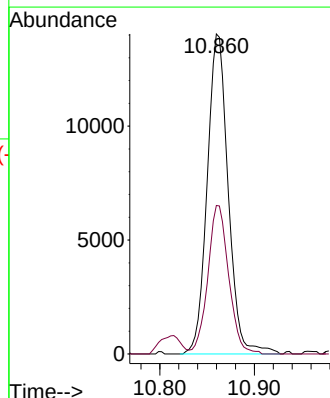
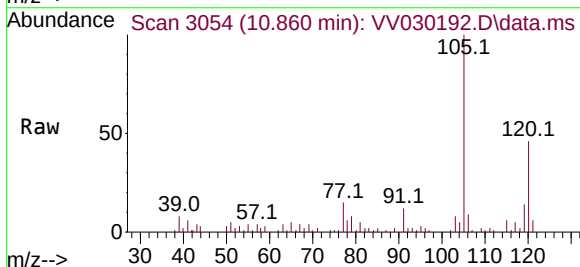
Acq: 14 Mar 2023 14:01

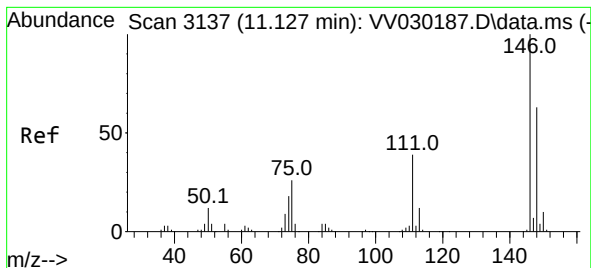
Tgt Ion:105 Resp: 21686

Ion Ratio Lower Upper

105 100

120 46.1 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 0.125 ug/L

RT: 11.130 min Scan# 3138

Delta R.T. 0.003 min

Lab File: VV030192.D

Acq: 14 Mar 2023 14:01

Instrument :

MSVOA_V

ClientSampleId :

CB911

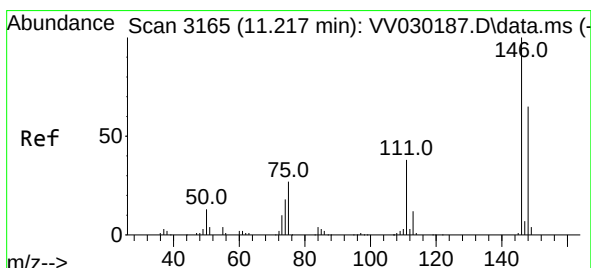
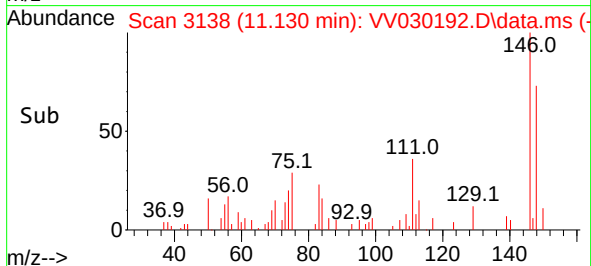
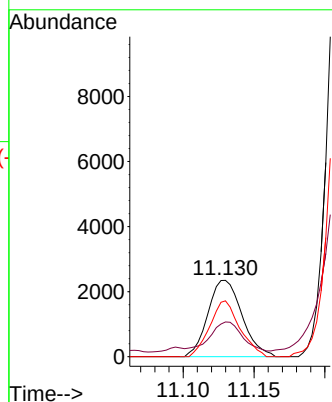
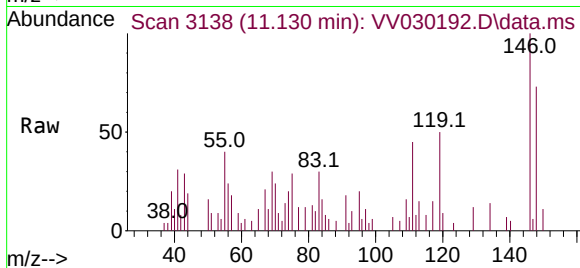
Tgt Ion:146 Resp: 3927

Ion Ratio Lower Upper

146 100

111 45.4 27.7 51.5

148 73.0 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 1.286 ug/L

RT: 11.220 min Scan# 3166

Delta R.T. 0.003 min

Lab File: VV030192.D

Acq: 14 Mar 2023 14:01

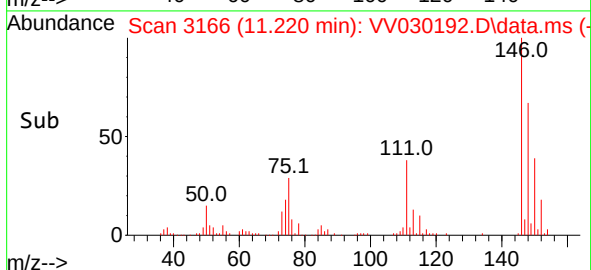
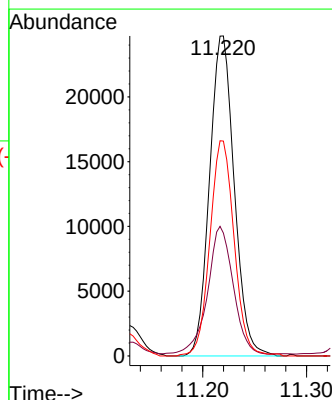
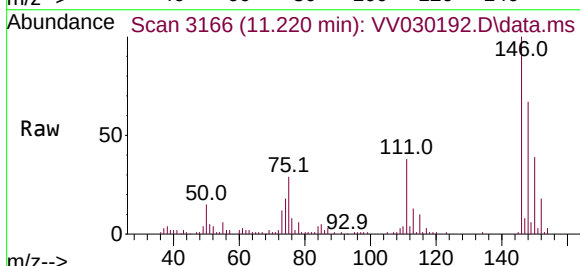
Tgt Ion:146 Resp: 40768

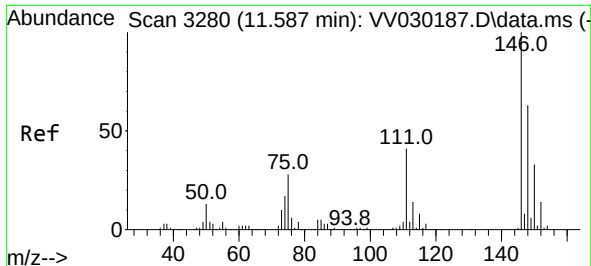
Ion Ratio Lower Upper

146 100

111 38.4 27.4 51.0

148 67.2 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 0.188 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030192.D

Acq: 14 Mar 2023 14:01

Instrument :

MSVOA_V

ClientSampleId :

CB911

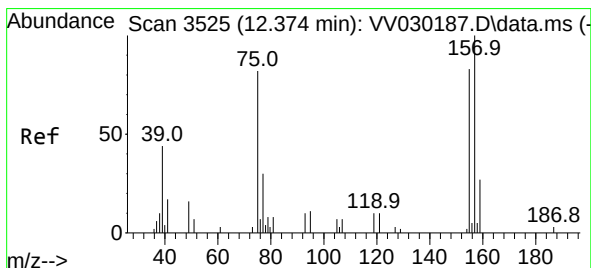
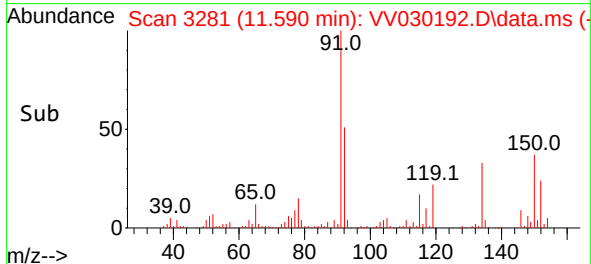
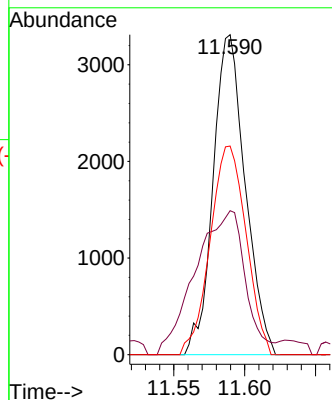
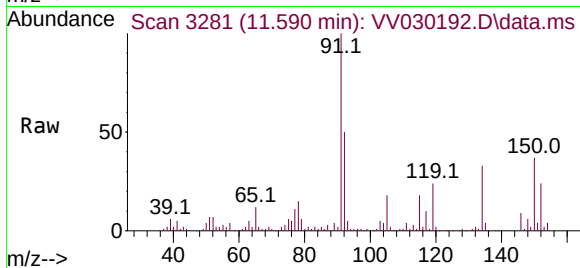
Tgt Ion:146 Resp: 5226

Ion Ratio Lower Upper

146 100

111 45.0 33.5 50.3

148 65.2 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 3.549 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.013 min

Lab File: VV030192.D

Acq: 14 Mar 2023 14:01

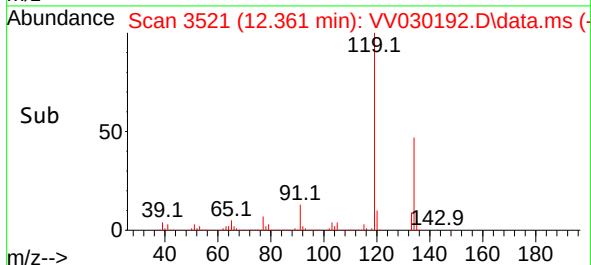
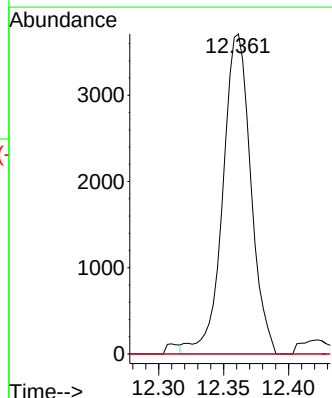
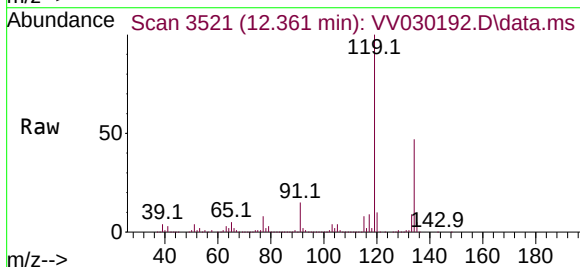
Tgt Ion: 75 Resp: 5562

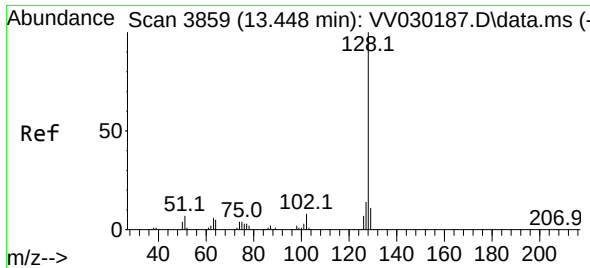
Ion Ratio Lower Upper

75 100

155 0.0 79.1 118.7#

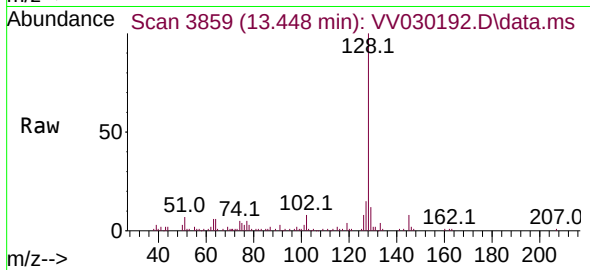
157 0.0 95.5 143.3#





#71
Naphthalene
Concen: 1.446 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. -0.000 min
Lab File: VV030192.D
Acq: 14 Mar 2023 14:01

Instrument :
MSVOA_V
ClientSampleId :
CB911



Tgt Ion:128 Resp: 39537
Ion Ratio Lower Upper
128 100
129 12.6 8.6 13.0
127 14.9 10.4 15.6

