

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW033023\
 Data File : VW030364.D
 Acq On : 30 Mar 2023 17:08
 Operator : SY/MD
 Sample : 02122-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CB9A0

Quant Time: Mar 31 05:42:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 31 05:37:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	122946	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	116992	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	65017	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	28586	3.511	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.200%
7) Chloroethane-d5	1.536	69	33238	4.206	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.200%
11) 1,1-Dichloroethene-d2	2.063	63	52427	2.713	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.200%#
20) 2-Butanone-d5	3.818	46	111272	52.869	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.740%
24) Chloroform-d	4.262	84	90845	4.610	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
26) 1,2-Dichloroethane-d4	4.953	65	47049	5.060	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
32) Benzene-d6	4.970	84	156079	4.734	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
36) 1,2-Dichloropropane-d6	5.998	67	52189	5.056	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.200%
41) Toluene-d8	7.252	98	130577	4.313	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
43) trans-1,3-Dichloroprop...	7.561	79	18545	4.772	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.400%
46) 2-Hexanone-d5	8.034	63	86478	55.380	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.760%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	43506	5.348	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.000%
66) 1,2-Dichlorobenzene-d4	11.571	152	62635	5.390	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.114	85	3864	0.247	ug/L	91
3) Chloromethane	1.220	50	2762	0.140	ug/L	98
6) Bromomethane	1.500	94	485	0.118	ug/L	71
13) Acetone	2.153	43	6131	3.046	ug/L	89
30) Cyclohexane	4.590	56	3877	0.226	ug/L	94
33) Benzene	5.024	78	4385	0.106	ug/L	100
35) Methylcyclohexane	6.059	83	2874	0.163	ug/L	91
39) cis-1,3-Dichloropropene	6.924	75	1557	0.104	ug/L #	73
42) Toluene	7.330	91	4438	0.100	ug/L	91
44) trans-1,3-Dichloropropene	7.564	75	1249	0.098	ug/L #	83
51) Chlorobenzene	8.821	112	98191	3.465	ug/L	98
53) m,p-Xylene	9.085	106	4499	0.243	ug/L	75
54) o-Xylene	9.490	106	3683	0.208	ug/L	97
60) Isopropylbenzene	9.876	105	35019	0.730	ug/L	100
63) 1,2,4-Trimethylbenzene	10.863	105	3073	0.077	ug/L	96
64) 1,3-Dichlorobenzene	11.127	146	3774	0.158	ug/L	97
65) 1,4-Dichlorobenzene	11.217	146	11005	0.457	ug/L	93
67) 1,2-Dichlorobenzene	11.590	146	2551	0.118	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.365	75	345	0.239	ug/L #	3

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Mar 31 05:37:21 2023
Response via : Initial Calibration

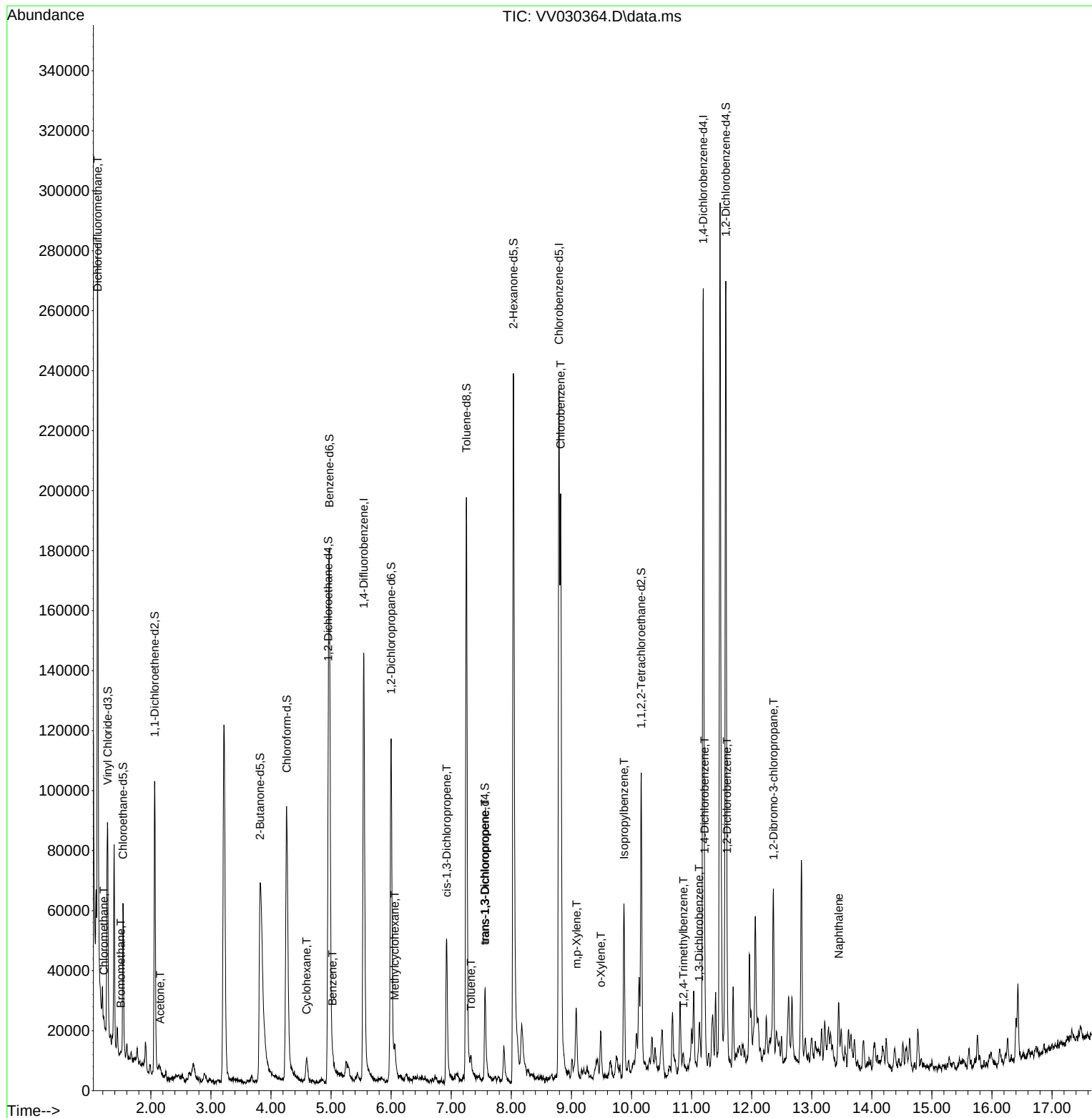
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.451	128	14600	0.719	ug/L	# 96

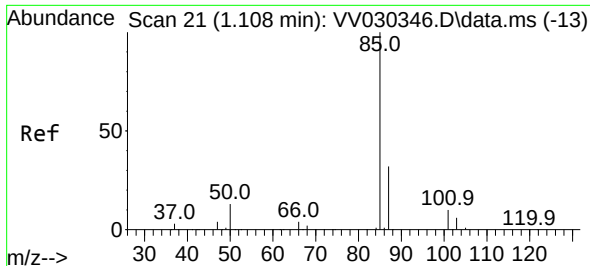
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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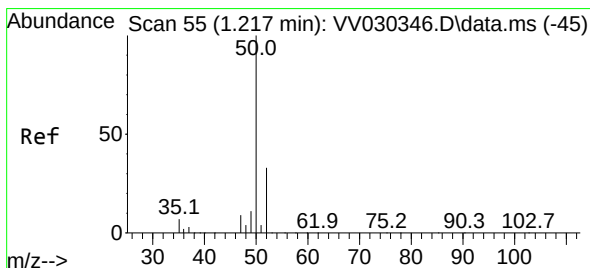
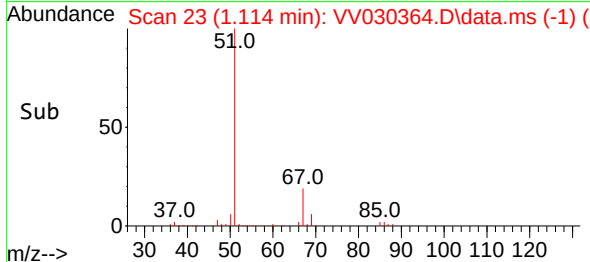
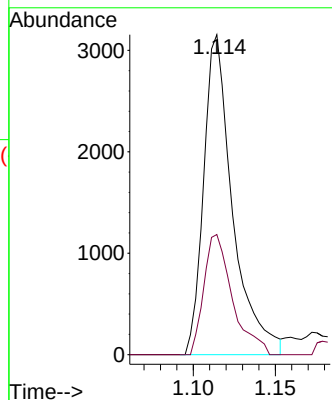
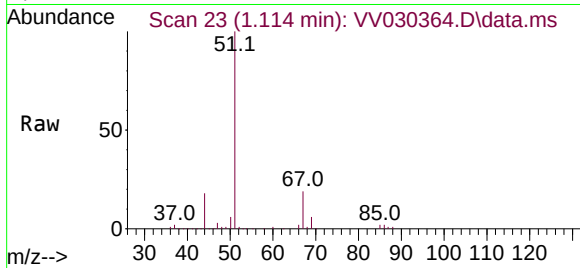




#2
 Dichlorodifluoromethane
 Concen: 0.247 ug/L
 RT: 1.114 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VV030364.D
 Acq: 30 Mar 2023 17:08

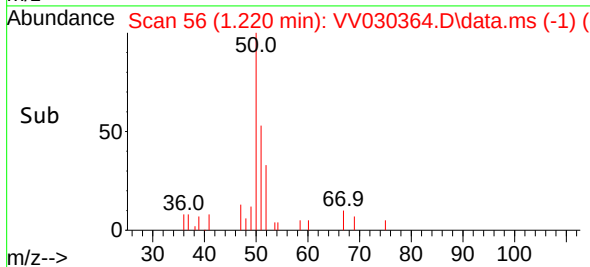
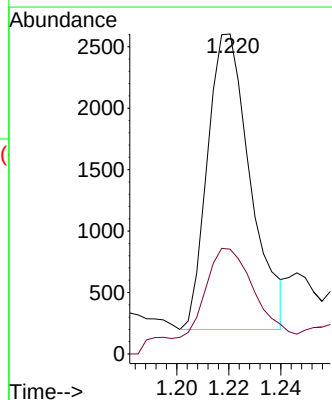
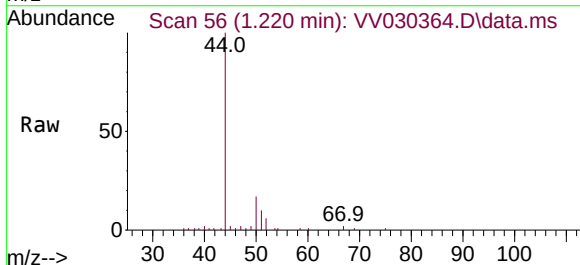
Instrument :
 MSVOA_V
 ClientSampleId :
 CB9A0

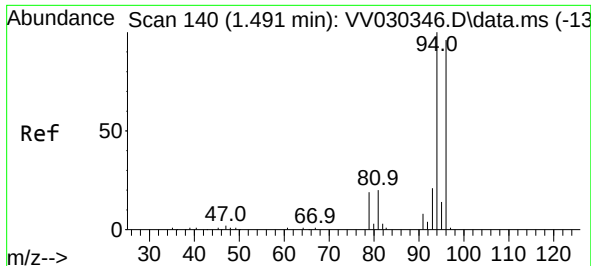
Tgt Ion: 85 Resp: 3864
 Ion Ratio Lower Upper
 85 100
 87 37.0 25.6 38.4



#3
 Chloromethane
 Concen: 0.140 ug/L
 RT: 1.220 min Scan# 56
 Delta R.T. 0.003 min
 Lab File: VV030364.D
 Acq: 30 Mar 2023 17:08

Tgt Ion: 50 Resp: 2762
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.3 41.5

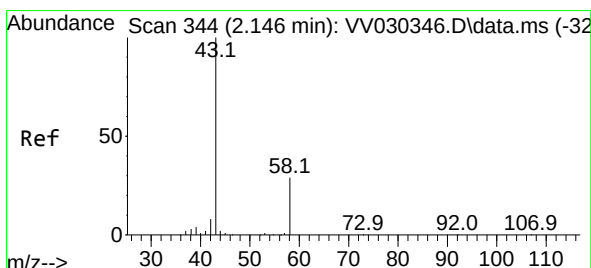
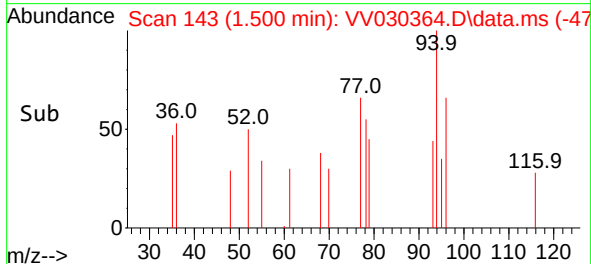
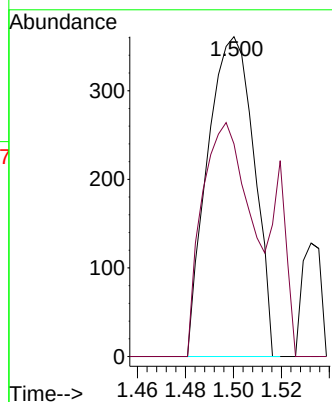
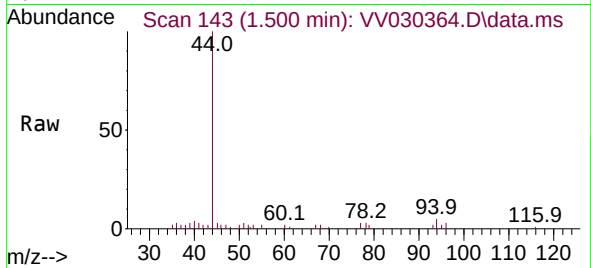




#6
Bromomethane
Concen: 0.118 ug/L
RT: 1.500 min Scan# 14
Delta R.T. 0.010 min
Lab File: VV030364.D
Acq: 30 Mar 2023 17:08

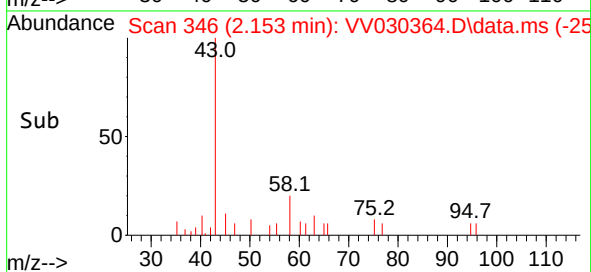
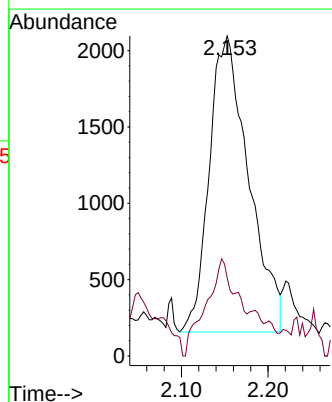
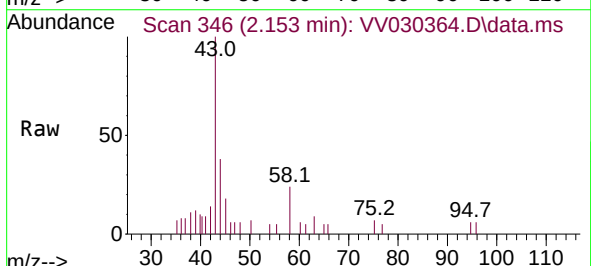
Instrument :
MSVOA_V
ClientSampleId :
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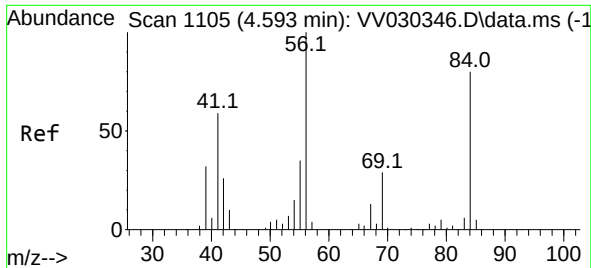
Tgt Ion: 94 Resp: 485
Ion Ratio Lower Upper
94 100
96 66.5 66.1 122.7



#13
Acetone
Concen: 3.046 ug/L
RT: 2.153 min Scan# 346
Delta R.T. 0.006 min
Lab File: VV030364.D
Acq: 30 Mar 2023 17:08

Tgt Ion: 43 Resp: 6131
Ion Ratio Lower Upper
43 100
58 25.7 0.0 40.8

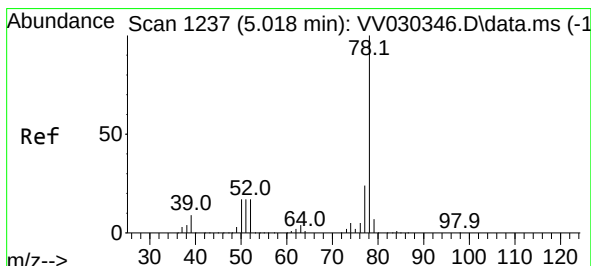
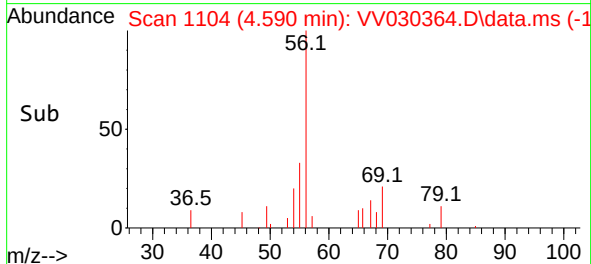
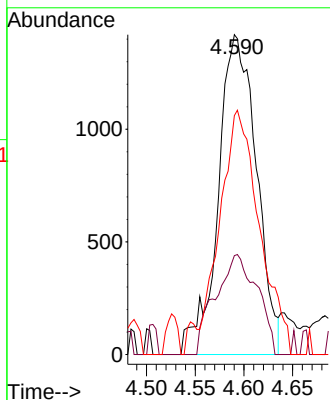
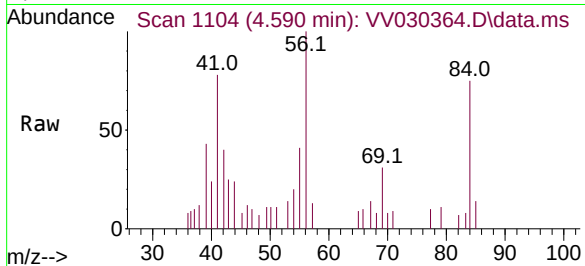




#30
Cyclohexane
Concen: 0.226 ug/L
RT: 4.590 min Scan# 1105
Delta R.T. -0.003 min
Lab File: VV030364.D
Acq: 30 Mar 2023 17:08

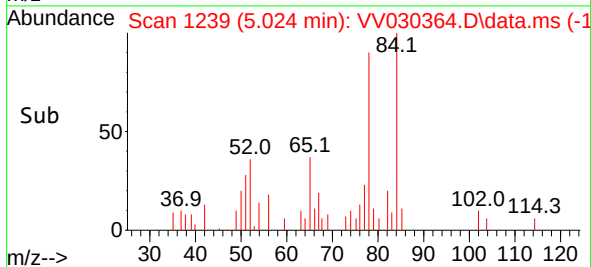
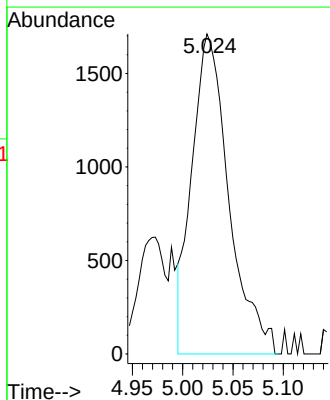
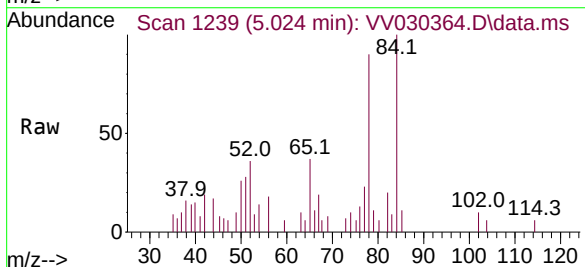
Instrument :
MSVOA_V
ClientSampleId :
CB9A0

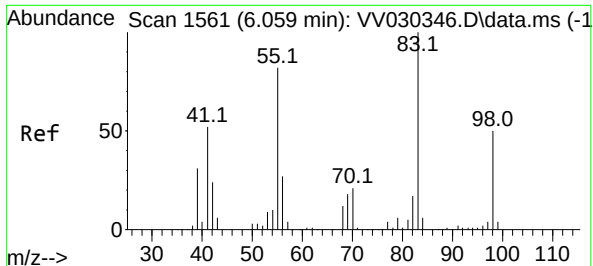
Tgt Ion: 56 Resp: 3877
Ion Ratio Lower Upper
56 100
69 34.2 24.2 36.2
84 78.7 66.6 100.0



#33
Benzene
Concen: 0.106 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.006 min
Lab File: VV030364.D
Acq: 30 Mar 2023 17:08

Tgt Ion: 78 Resp: 4385





#35

Methylcyclohexane

Concen: 0.163 ug/L

RT: 6.059 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV030364.D

Acq: 30 Mar 2023 17:08

Instrument :

MSVOA_V

ClientSampleId :

CB9A0

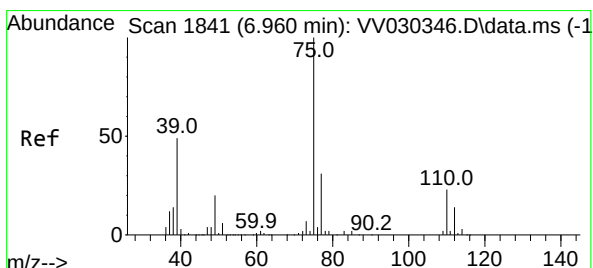
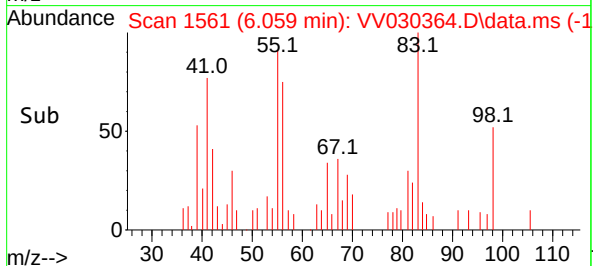
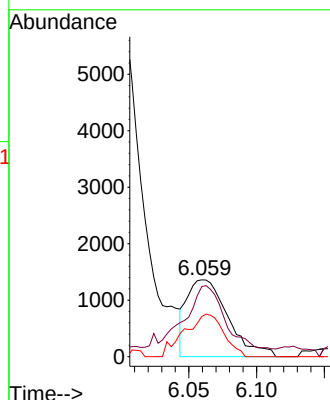
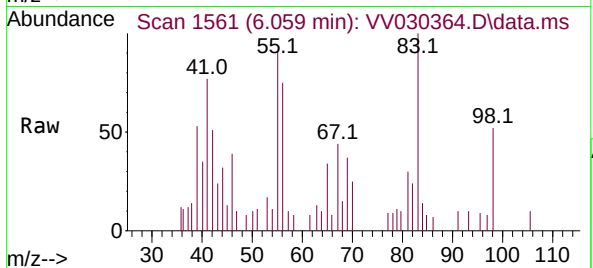
Tgt Ion: 83 Resp: 2874

Ion Ratio Lower Upper

83 100

55 93.6 66.6 100.0

98 52.4 38.6 58.0



#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 6.924 min Scan# 1830

Delta R.T. -0.035 min

Lab File: VV030364.D

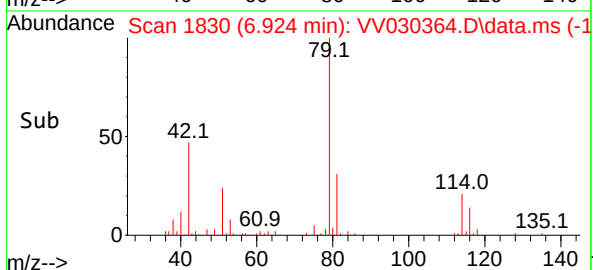
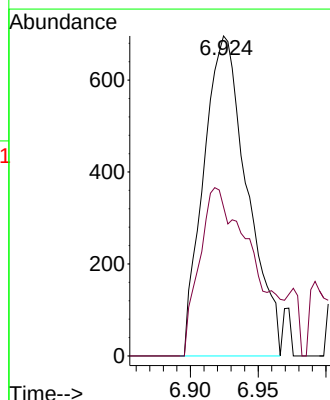
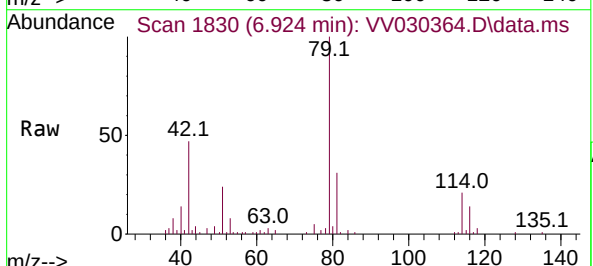
Acq: 30 Mar 2023 17:08

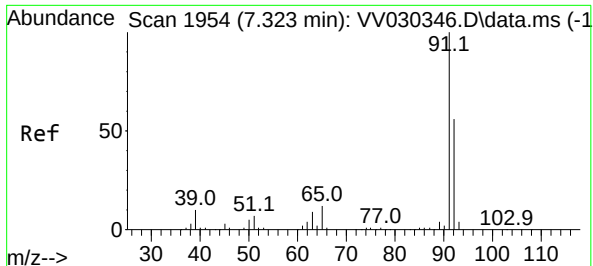
Tgt Ion: 75 Resp: 1557

Ion Ratio Lower Upper

75 100

77 46.6 22.0 41.0#





#42

Toluene

Concen: 0.100 ug/L

RT: 7.330 min Scan# 1954

Delta R.T. 0.006 min

Lab File: VV030364.D

Acq: 30 Mar 2023 17:08

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ClientSampleId :

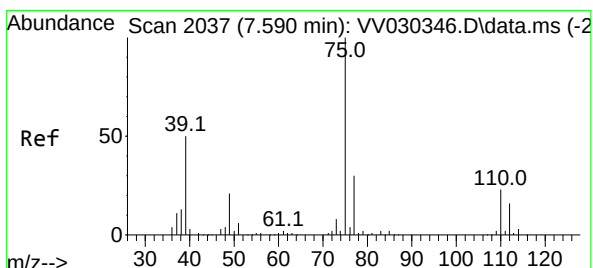
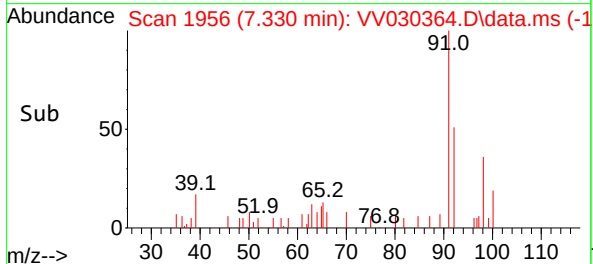
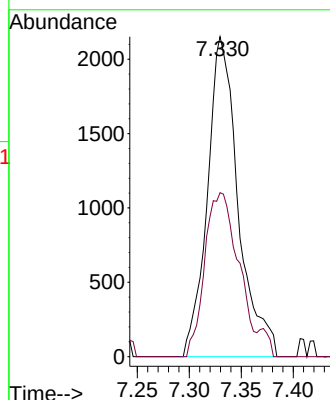
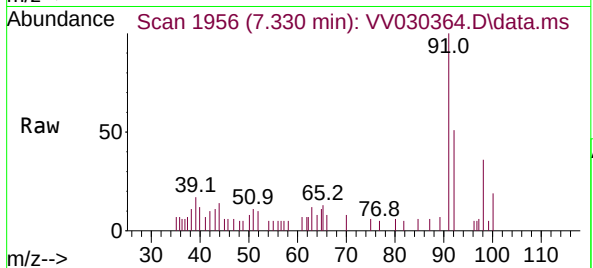
CB9A0

Tgt Ion: 91 Resp: 4438

Ion Ratio Lower Upper

91 100

92 51.3 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 0.098 ug/L

RT: 7.564 min Scan# 2029

Delta R.T. -0.026 min

Lab File: VV030364.D

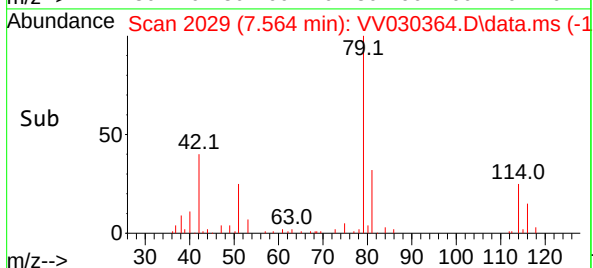
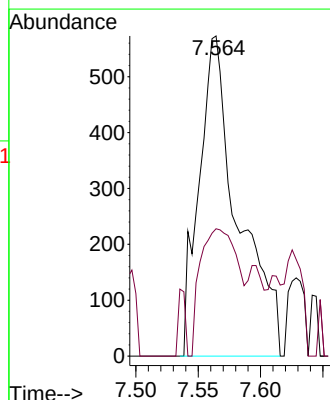
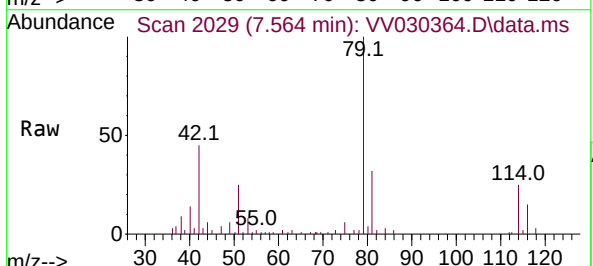
Acq: 30 Mar 2023 17:08

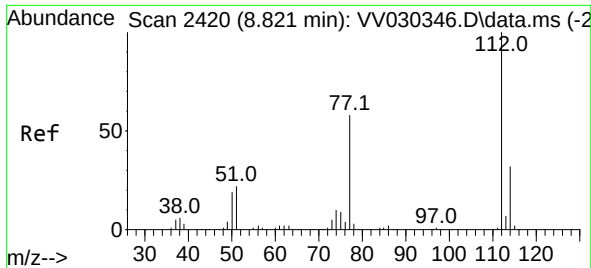
Tgt Ion: 75 Resp: 1249

Ion Ratio Lower Upper

75 100

77 39.8 21.2 39.4#

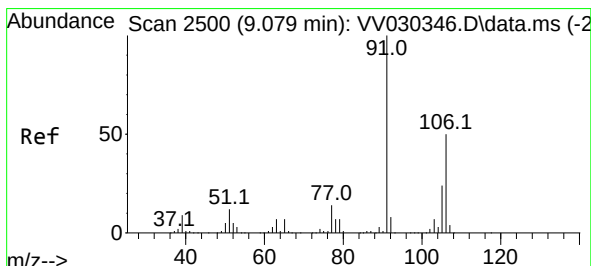
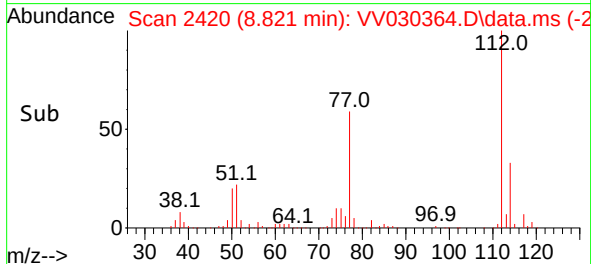
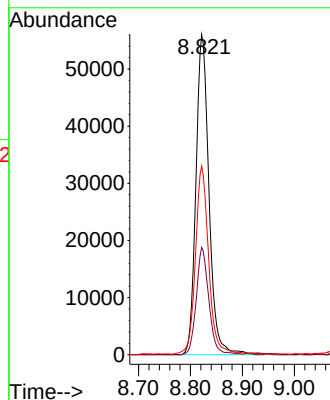
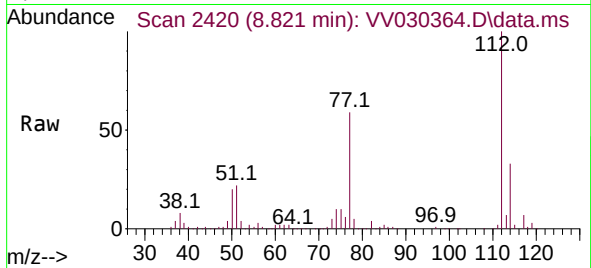




#51
Chlorobenzene
Concen: 3.465 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. -0.000 min
Lab File: VV030364.D
Acq: 30 Mar 2023 17:08

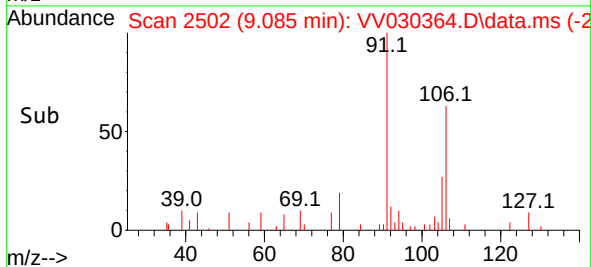
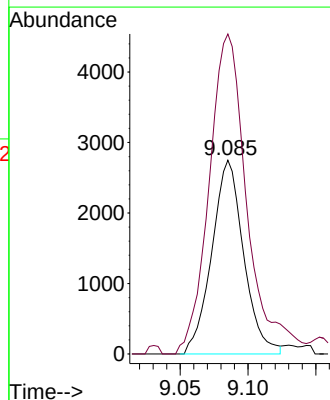
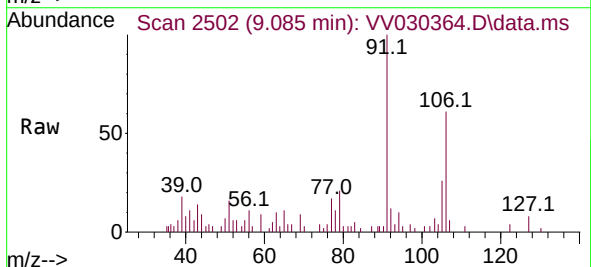
Instrument :
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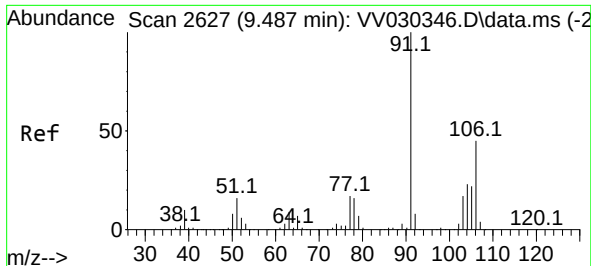
Tgt Ion:112 Resp: 98191
Ion Ratio Lower Upper
112 100
114 33.5 22.4 41.6
77 58.9 45.9 68.9



#53
m,p-Xylene
Concen: 0.243 ug/L
RT: 9.085 min Scan# 2502
Delta R.T. 0.006 min
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Acq: 30 Mar 2023 17:08

Tgt Ion:106 Resp: 4499
Ion Ratio Lower Upper
106 100
91 165.2 142.4 264.4

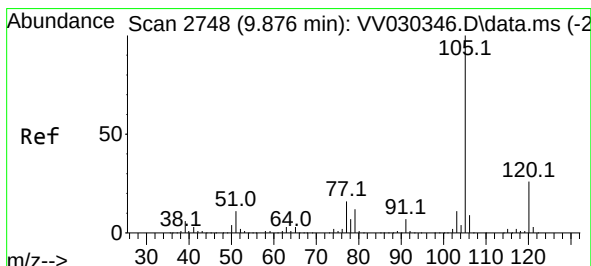
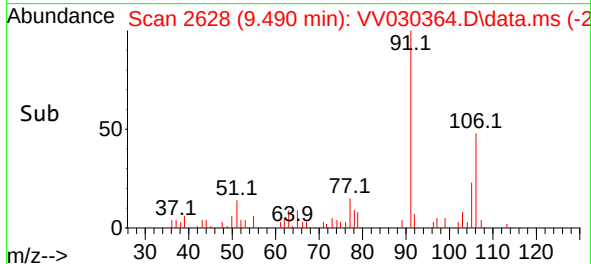
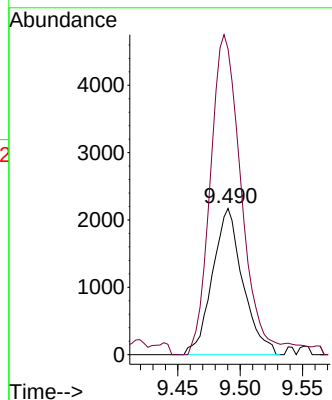
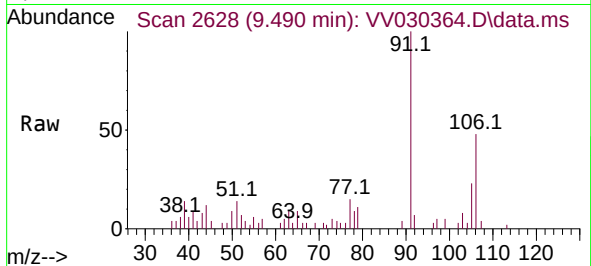




#54
o-Xylene
Concen: 0.208 ug/L
RT: 9.490 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030364.D
Acq: 30 Mar 2023 17:08

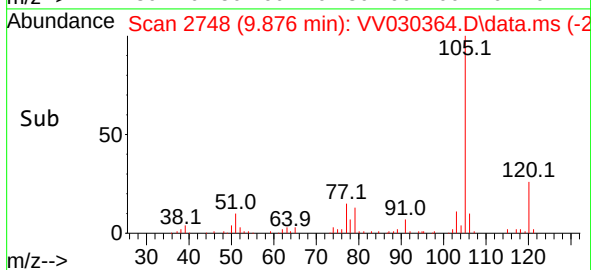
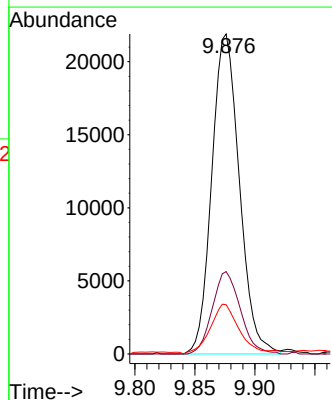
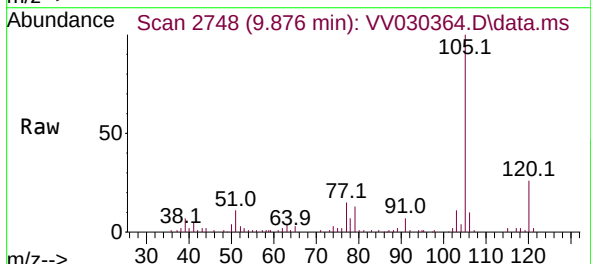
Instrument :
MSVOA_V
ClientSampleId :
CB9A0

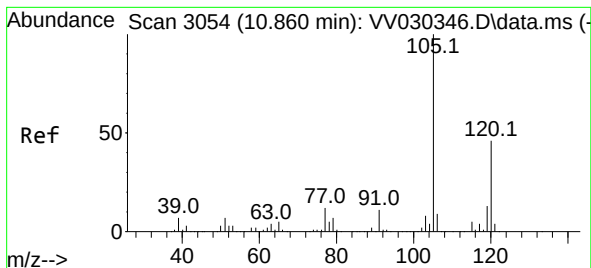
Tgt Ion:106 Resp: 3683
Ion Ratio Lower Upper
106 100
91 209.1 149.8 278.2



#60
Isopropylbenzene
Concen: 0.730 ug/L
RT: 9.876 min Scan# 2748
Delta R.T. 0.000 min
Lab File: VV030364.D
Acq: 30 Mar 2023 17:08

Tgt Ion:105 Resp: 35019
Ion Ratio Lower Upper
105 100
120 26.1 21.1 31.7
77 16.1 12.9 19.3





#63

1,2,4-Trimethylbenzene

Concen: 0.077 ug/L

RT: 10.863 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VV030364.D

Acq: 30 Mar 2023 17:08

Instrument :

MSVOA_V

ClientSampleId :

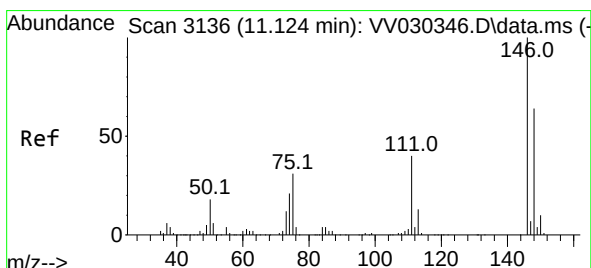
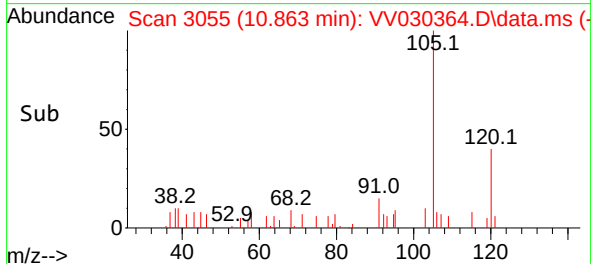
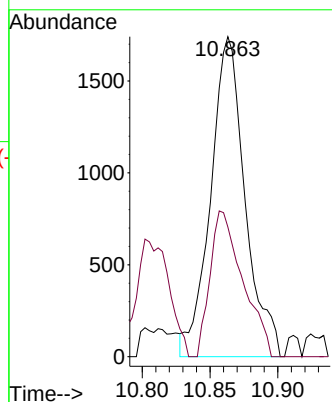
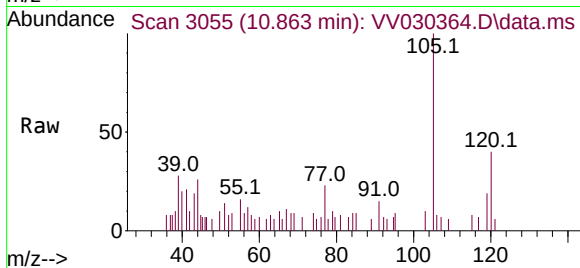
CB9A0

Tgt Ion:105 Resp: 3073

Ion Ratio Lower Upper

105 100

120 43.3 36.8 55.2



#64

1,3-Dichlorobenzene

Concen: 0.158 ug/L

RT: 11.127 min Scan# 3137

Delta R.T. 0.003 min

Lab File: VV030364.D

Acq: 30 Mar 2023 17:08

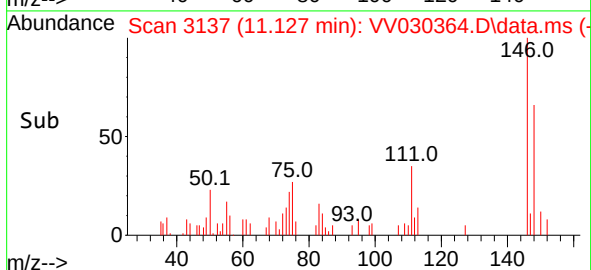
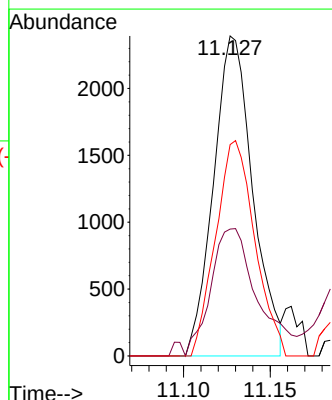
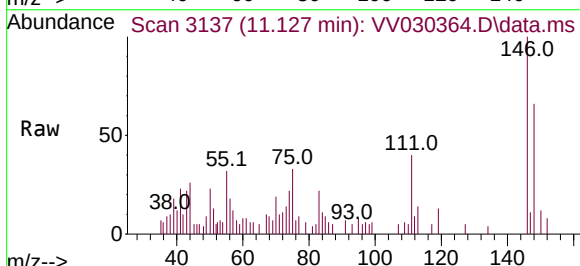
Tgt Ion:146 Resp: 3774

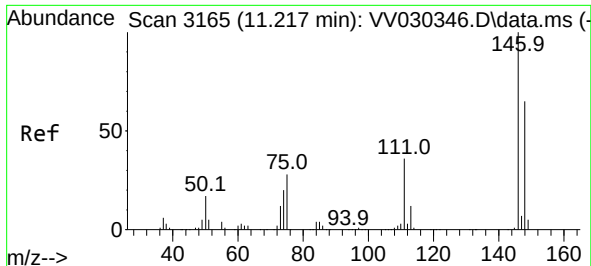
Ion Ratio Lower Upper

146 100

111 39.7 27.0 50.2

148 66.1 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 0.457 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VV030364.D

Acq: 30 Mar 2023 17:08

Instrument :

MSVOA_V

ClientSampleId :

CB9A0

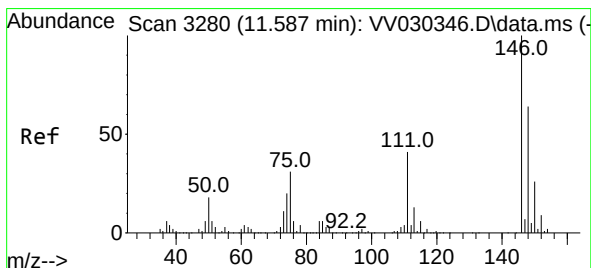
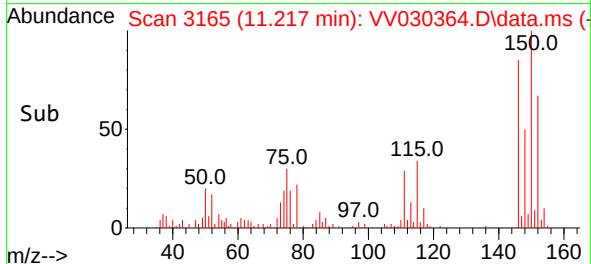
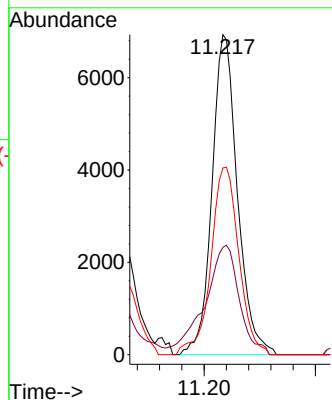
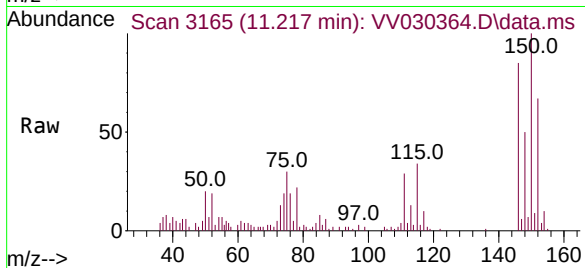
Tgt Ion:146 Resp: 11005

Ion Ratio Lower Upper

146 100

111 33.6 26.0 48.4

148 58.3 45.2 84.0



#67

1,2-Dichlorobenzene

Concen: 0.118 ug/L

RT: 11.590 min Scan# 3281

Delta R.T. 0.003 min

Lab File: VV030364.D

Acq: 30 Mar 2023 17:08

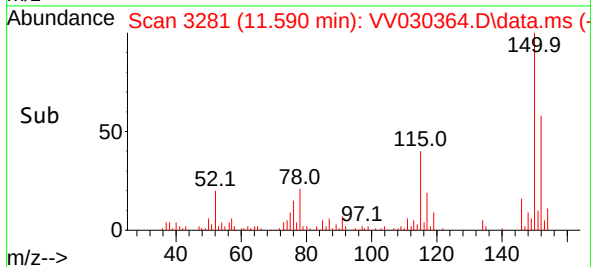
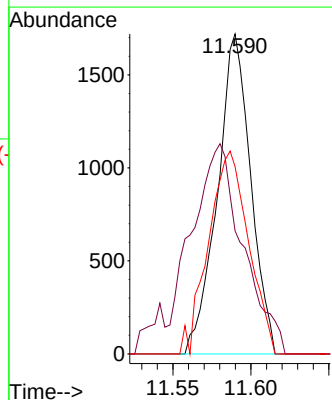
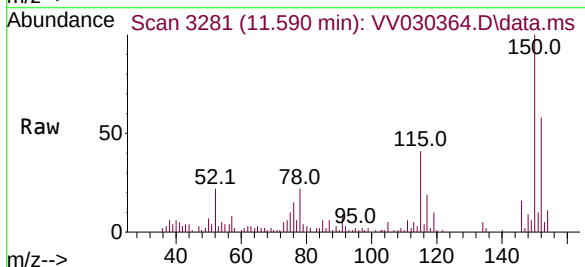
Tgt Ion:146 Resp: 2551

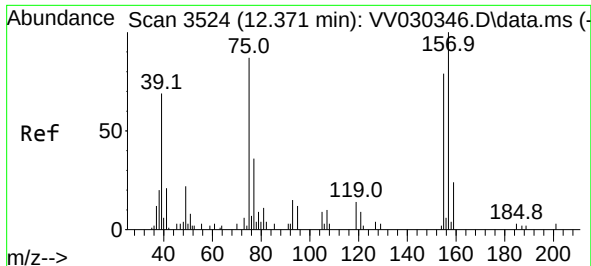
Ion Ratio Lower Upper

146 100

111 38.4 33.1 49.7

148 58.5 52.2 78.2

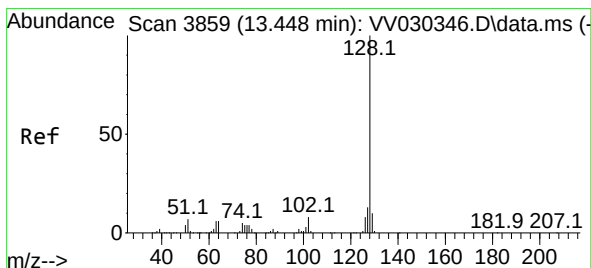
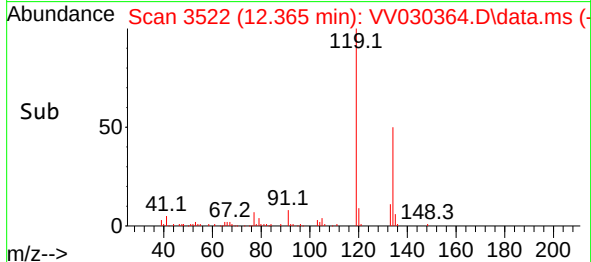
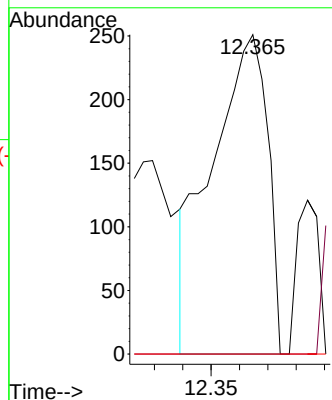
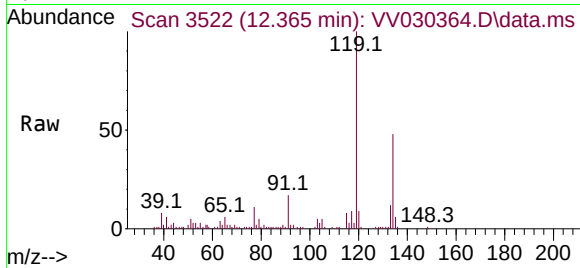




#68
1,2-Dibromo-3-chloropropane
Concen: 0.239 ug/L
RT: 12.365 min Scan# 311
Delta R.T. -0.006 min
Lab File: VV030364.D
Acq: 30 Mar 2023 17:08

Instrument :
MSVOA_V
ClientSampleId :
CB9A0

Tgt Ion: 75 Resp: 345
Ion Ratio Lower Upper
75 100
155 0.0 64.6 96.8#
157 0.0 83.8 125.6#



#71
Naphthalene
Concen: 0.719 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.003 min
Lab File: VV030364.D
Acq: 30 Mar 2023 17:08

Tgt Ion: 128 Resp: 14600
Ion Ratio Lower Upper
128 100
129 14.3 8.9 13.3#
127 13.4 10.8 16.2

