

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032123\
 Data File : VW030284.D
 Acq On : 21 Mar 2023 18:10
 Operator : SY/MD
 Sample : 01947-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CB939

Quant Time: Mar 22 06:08:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 22 06:04:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	119572	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	117902	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	61797	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	39510	5.107	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.200%
7) Chloroethane-d5	1.539	69	38152	5.253	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.000%
11) 1,1-Dichloroethene-d2	2.063	63	65883	4.142	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.800%
20) 2-Butanone-d5	3.815	46	69716	48.874	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.740%
24) Chloroform-d	4.262	84	79745	5.046	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
26) 1,2-Dichloroethane-d4	4.953	65	41104	6.371	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	127.400%
32) Benzene-d6	4.969	84	146784	4.627	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
36) 1,2-Dichloropropane-d6	5.998	67	41706	4.370	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.400%
41) Toluene-d8	7.252	98	133406	4.436	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	7.564	79	15356	4.703	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.000%
46) 2-Hexanone-d5	8.034	63	58880	43.585	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.180%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	29403	4.330	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.600%
66) 1,2-Dichlorobenzene-d4	11.570	152	55345	5.293	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	2638	0.172	ug/L #	79
5) Vinyl chloride	1.285	62	841	0.083	ug/L #	17
6) Bromomethane	1.497	94	263	0.144	ug/L	86
13) Acetone	2.137	43	6758	6.410	ug/L #	41
17) Methyl tert-butyl Ether	2.712	73	7363	0.469	ug/L #	63
33) Benzene	5.024	78	4781	0.148	ug/L	100
37) 1,2-Dichloropropane	6.001	63	5290	0.646	ug/L #	86
39) cis-1,3-Dichloropropene	6.918	75	1369	0.114	ug/L	88
42) Toluene	7.329	91	4515	0.129	ug/L	94
47) Tetrachloroethene	7.915	164	2185	0.282	ug/L	91
49) Dibromochloromethane	7.915	129	2044	0.298	ug/L #	10
51) Chlorobenzene	8.824	112	51823	2.203	ug/L	99
53) m,p-Xylene	9.085	106	2438	0.167	ug/L	88
54) o-Xylene	9.487	106	2063	0.148	ug/L	76
63) 1,2,4-Trimethylbenzene	10.863	105	1995	0.067	ug/L	96
65) 1,4-Dichlorobenzene	11.217	146	2735	0.146	ug/L	86
67) 1,2-Dichlorobenzene	11.586	146	1242	0.076	ug/L #	71
71) Naphthalene	13.455	128	1494	0.093	ug/L #	85

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Mar 22 06:04:48 2023
Response via : Initial Calibration

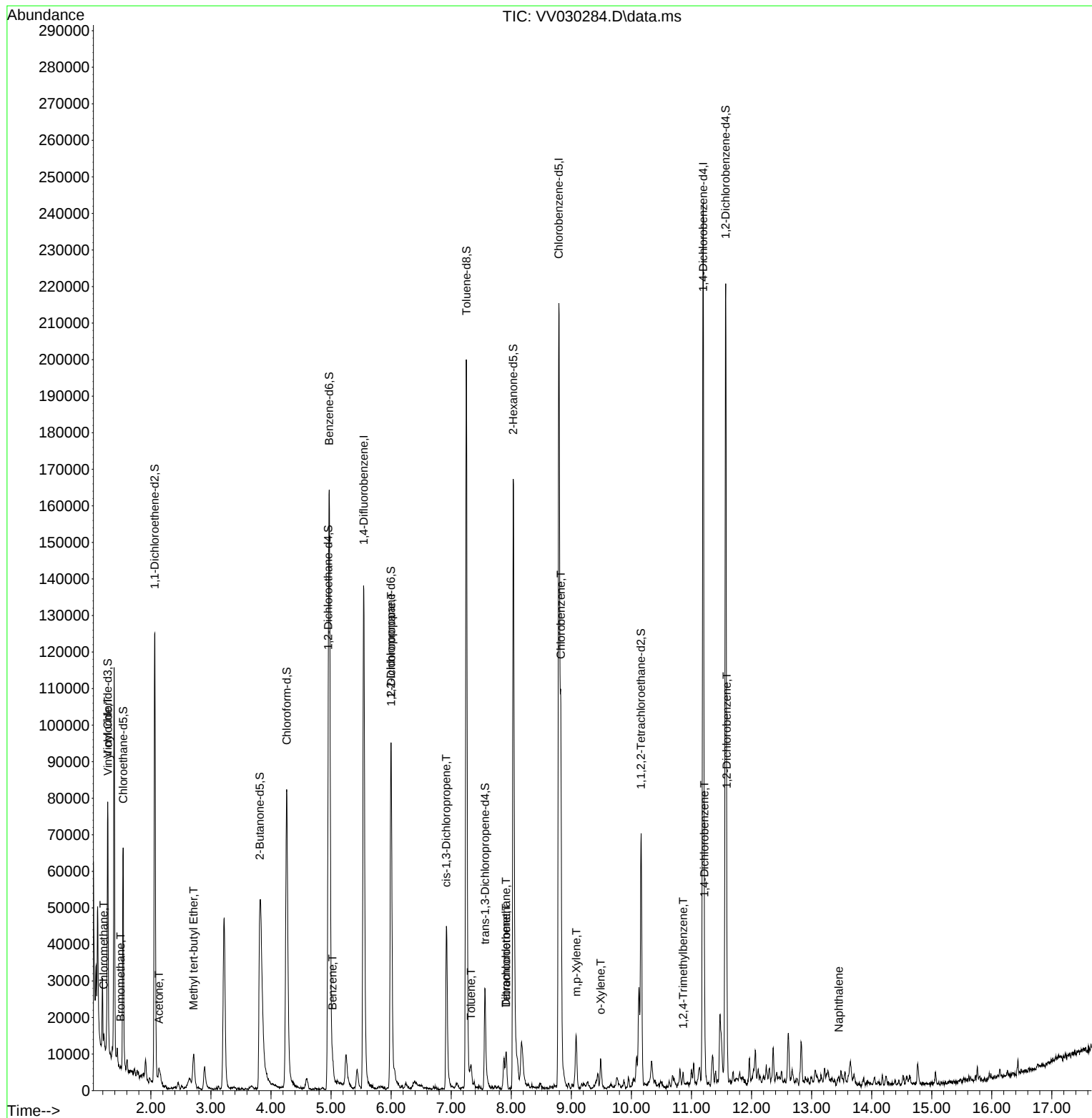
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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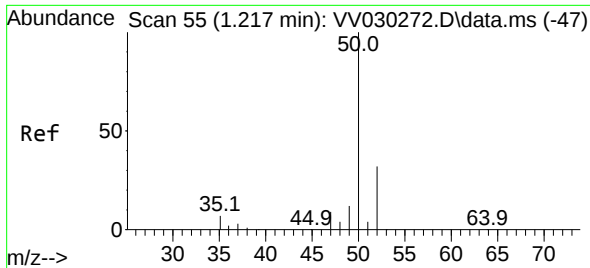
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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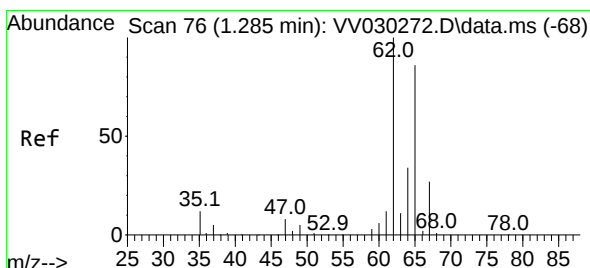
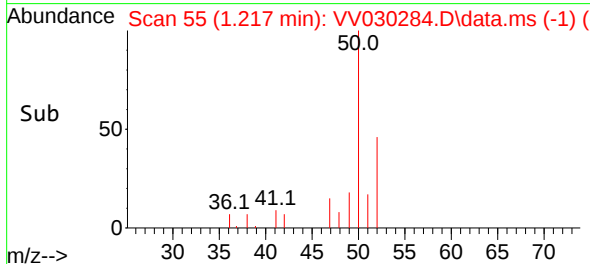
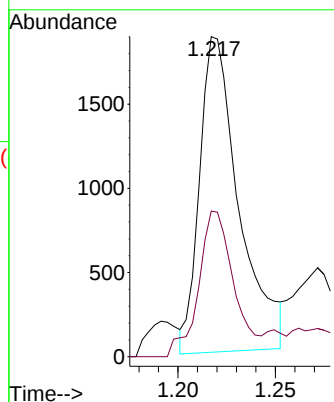
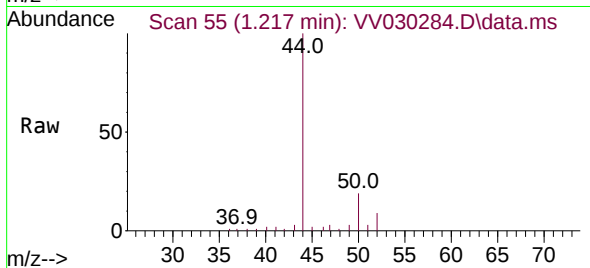




#3
Chloromethane
Concen: 0.172 ug/L
RT: 1.217 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV030284.D
Acq: 21 Mar 2023 18:10

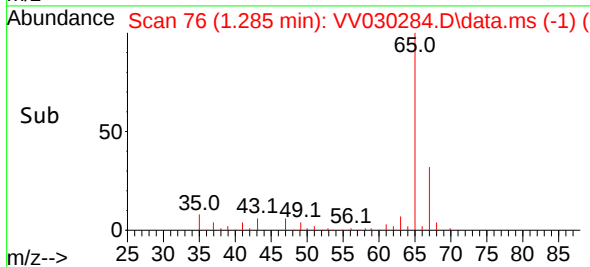
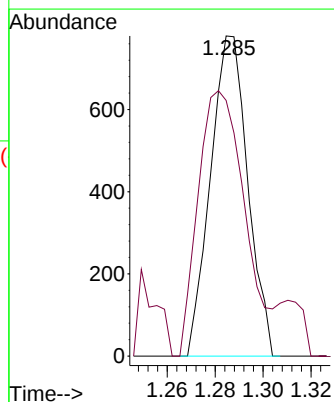
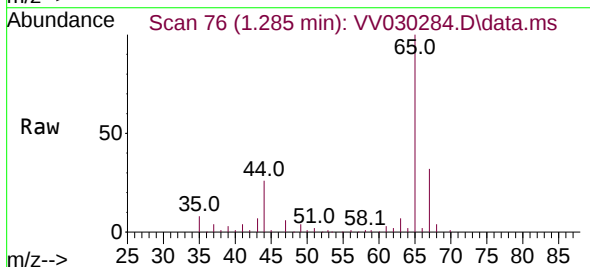
Instrument :
MSVOA_V
ClientSampleId :
CB939

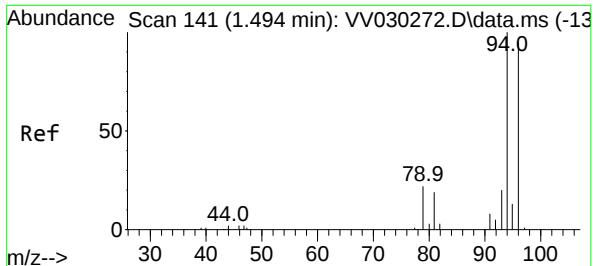
Tgt Ion: 50 Resp: 2638
Ion Ratio Lower Upper
50 100
52 45.5 23.6 43.8#



#5
Vinyl chloride
Concen: 0.083 ug/L
RT: 1.285 min Scan# 76
Delta R.T. -0.000 min
Lab File: VV030284.D
Acq: 21 Mar 2023 18:10

Tgt Ion: 62 Resp: 841
Ion Ratio Lower Upper
62 100
64 79.8 23.1 42.9#





#6

Bromomethane

Concen: 0.144 ug/L

RT: 1.497 min Scan# 141

Delta R.T. 0.003 min

Lab File: VV030284.D

Acq: 21 Mar 2023 18:10

Instrument :

MSVOA_V

ClientSampleId :

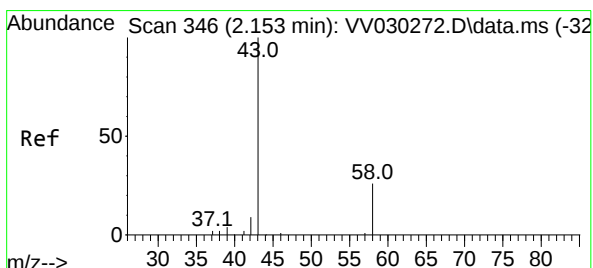
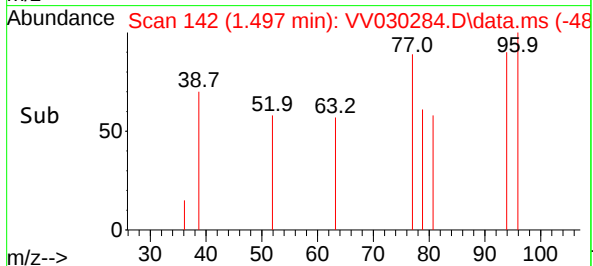
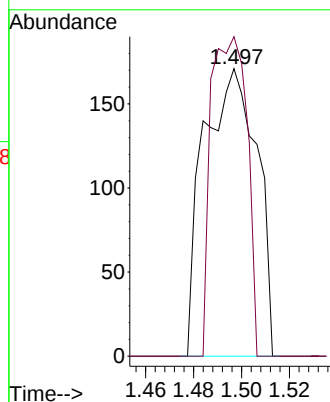
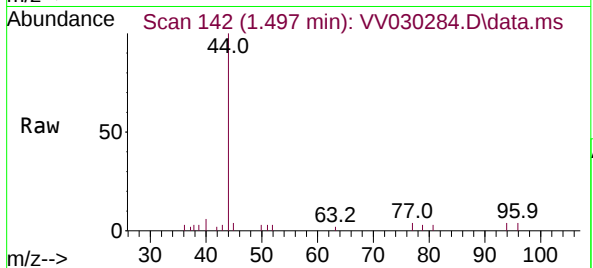
CB939

Tgt Ion: 94 Resp: 263

Ion Ratio Lower Upper

94 100

96 111.1 68.4 127.0



#13

Acetone

Concen: 6.410 ug/L

RT: 2.137 min Scan# 341

Delta R.T. -0.016 min

Lab File: VV030284.D

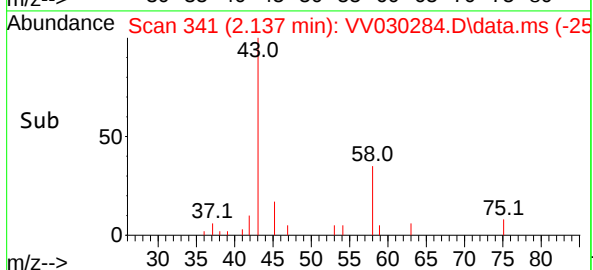
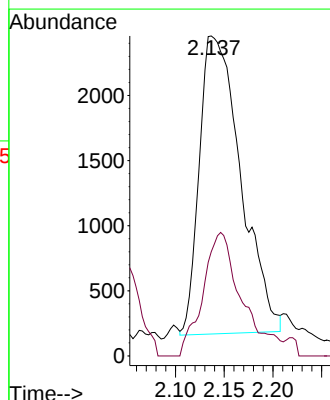
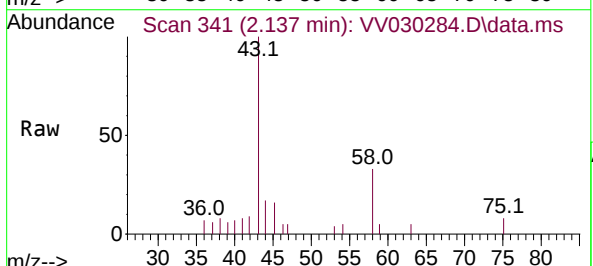
Acq: 21 Mar 2023 18:10

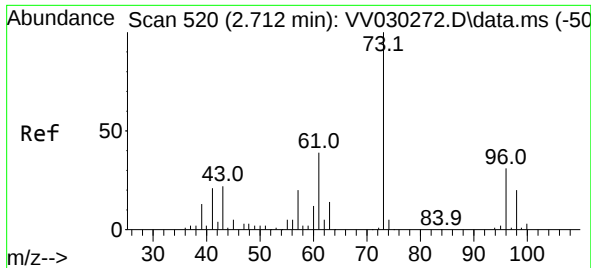
Tgt Ion: 43 Resp: 6758

Ion Ratio Lower Upper

43 100

58 39.1 0.0 29.4#





#17

Methyl tert-butyl Ether

Concen: 0.469 ug/L

RT: 2.712 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV030284.D

Acq: 21 Mar 2023 18:10

Instrument :

MSVOA_V

ClientSampleId :

CB939

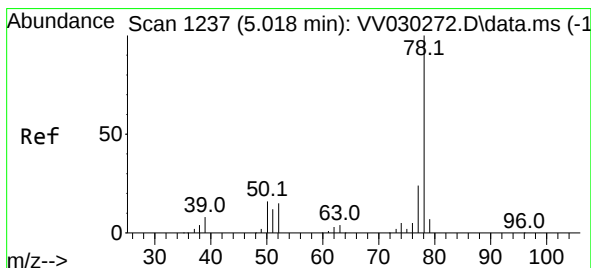
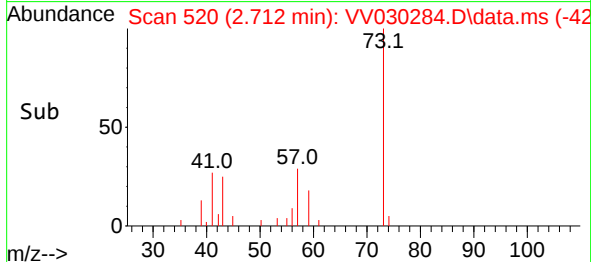
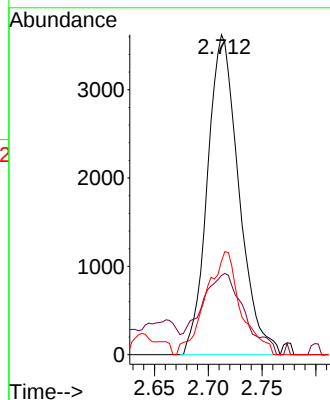
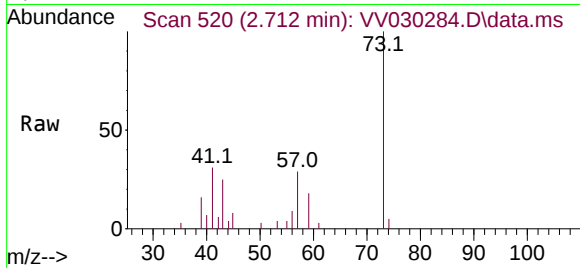
Tgt Ion: 73 Resp: 7363

Ion Ratio Lower Upper

73 100

43 35.5 13.4 20.2#

57 35.7 16.8 25.2#



#33

Benzene

Concen: 0.148 ug/L

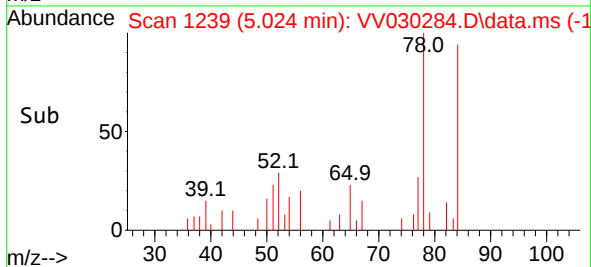
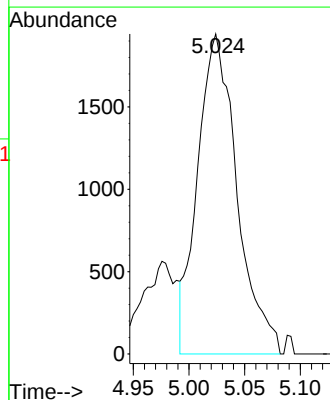
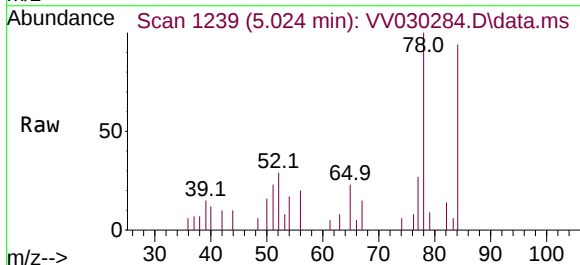
RT: 5.024 min Scan# 1239

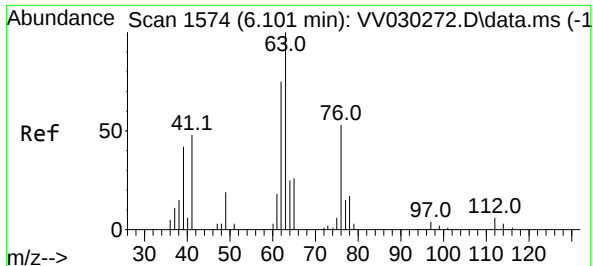
Delta R.T. 0.006 min

Lab File: VV030284.D

Acq: 21 Mar 2023 18:10

Tgt Ion: 78 Resp: 4781





#37

1,2-Dichloropropane

Concen: 0.646 ug/L

RT: 6.001 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV030284.D

Acq: 21 Mar 2023 18:10

Instrument :

MSVOA_V

ClientSampleId :

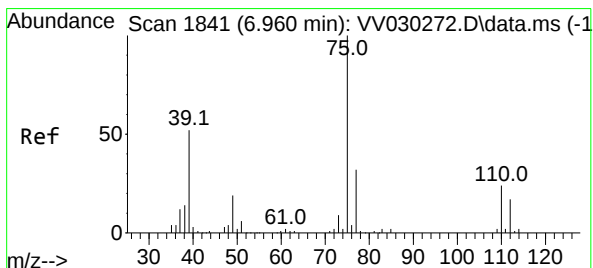
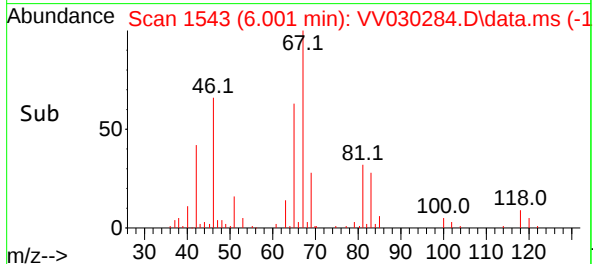
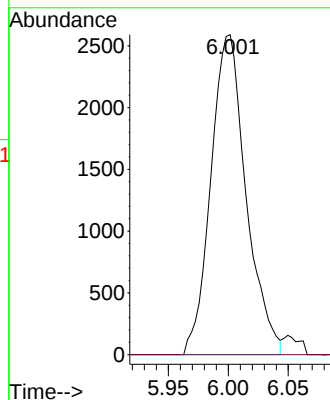
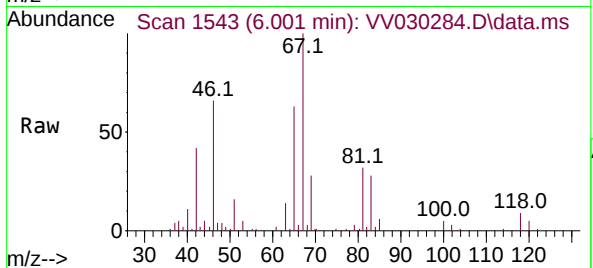
CB939

Tgt Ion: 63 Resp: 5290

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.114 ug/L

RT: 6.918 min Scan# 1828

Delta R.T. -0.042 min

Lab File: VV030284.D

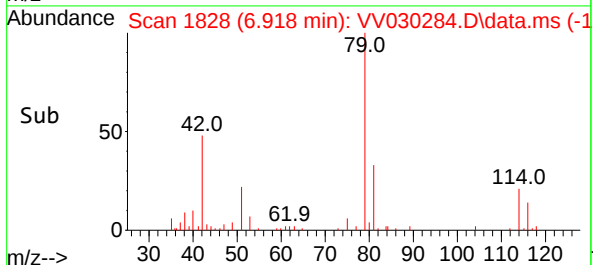
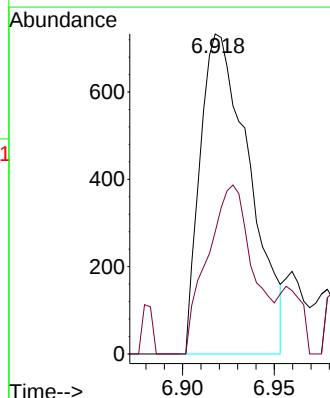
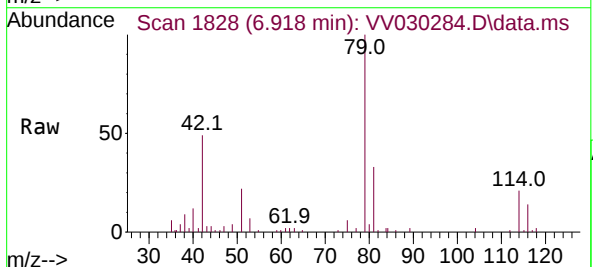
Acq: 21 Mar 2023 18:10

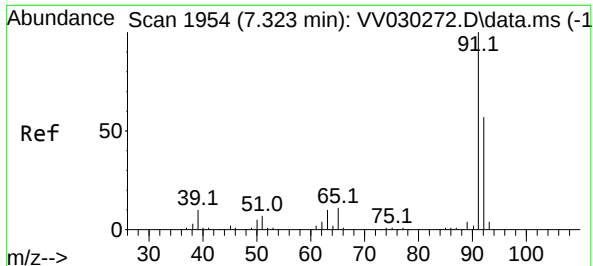
Tgt Ion: 75 Resp: 1369

Ion Ratio Lower Upper

75 100

77 38.2 22.3 41.3





#42

Toluene

Concen: 0.129 ug/L

RT: 7.329 min Scan# 1954

Delta R.T. 0.006 min

Lab File: VV030284.D

Acq: 21 Mar 2023 18:10

Instrument :

MSVOA_V

ClientSampleId :

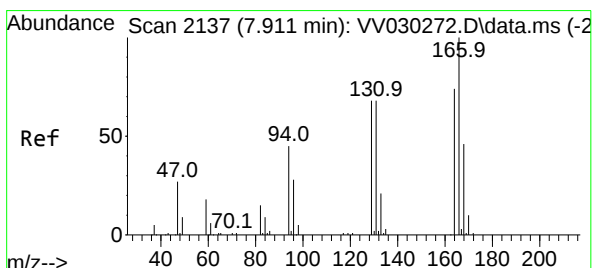
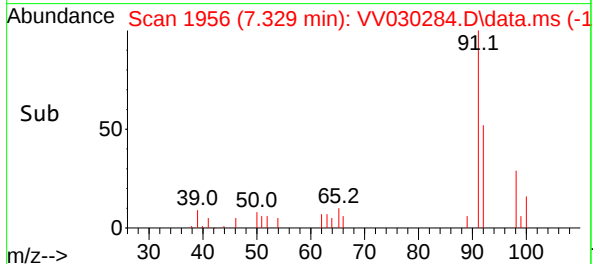
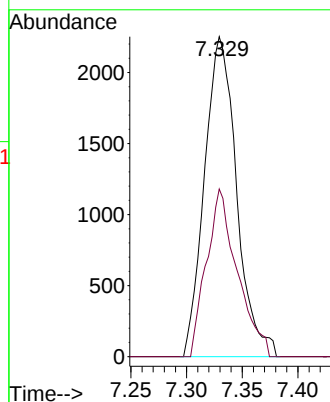
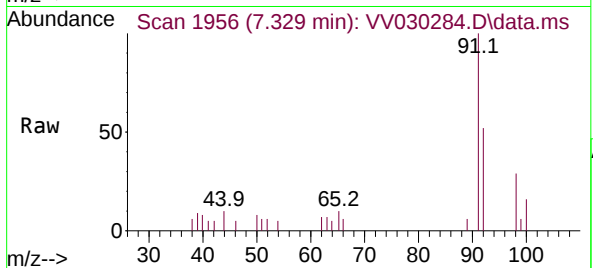
CB939

Tgt Ion: 91 Resp: 4515

Ion Ratio Lower Upper

91 100

92 52.4 39.6 73.6



#47

Tetrachloroethene

Concen: 0.282 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV030284.D

Acq: 21 Mar 2023 18:10

Tgt Ion: 164 Resp: 2185

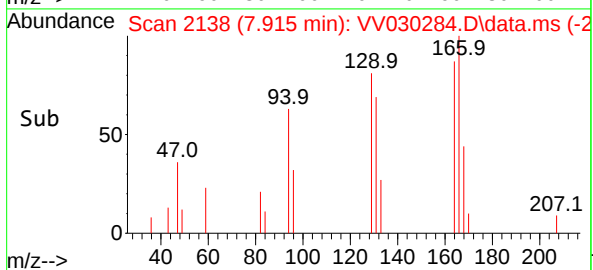
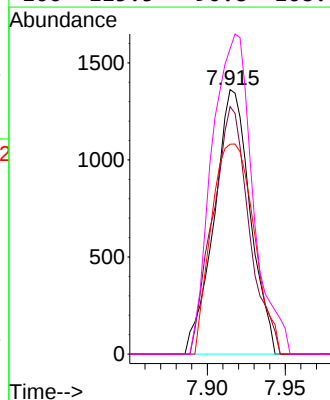
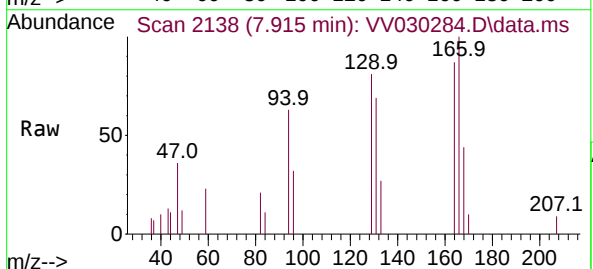
Ion Ratio Lower Upper

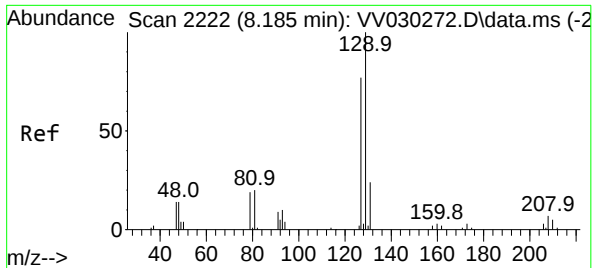
164 100

129 93.6 63.6 118.2

131 79.4 61.7 114.7

166 115.5 90.8 168.6





#49

Dibromochloromethane

Concen: 0.298 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. -0.270 min

Lab File: VV030284.D

Acq: 21 Mar 2023 18:10

Instrument :

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ClientSampleId :

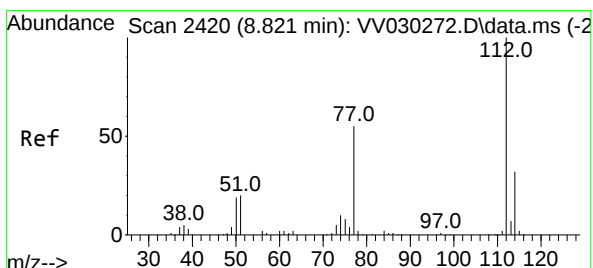
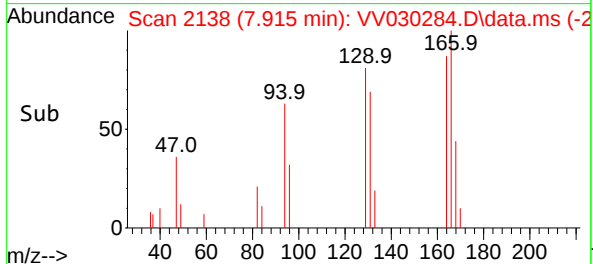
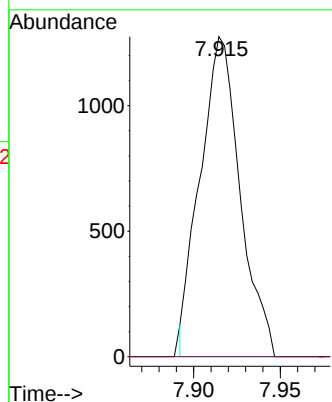
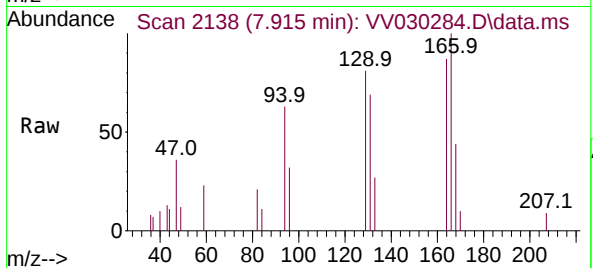
CB939

Tgt Ion:129 Resp: 2044

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.5#



#51

Chlorobenzene

Concen: 2.203 ug/L

RT: 8.824 min Scan# 2421

Delta R.T. 0.003 min

Lab File: VV030284.D

Acq: 21 Mar 2023 18:10

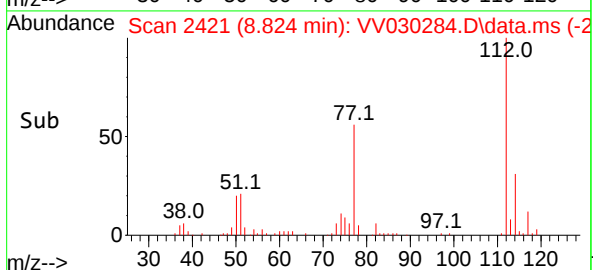
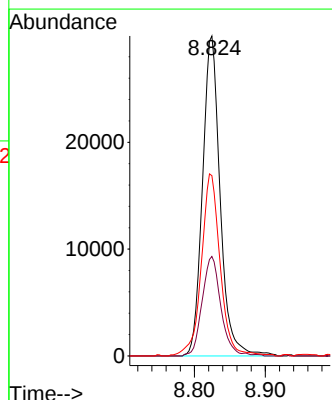
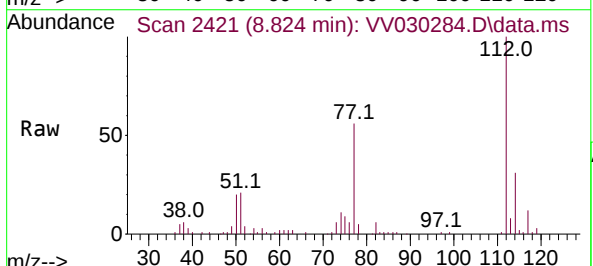
Tgt Ion:112 Resp: 51823

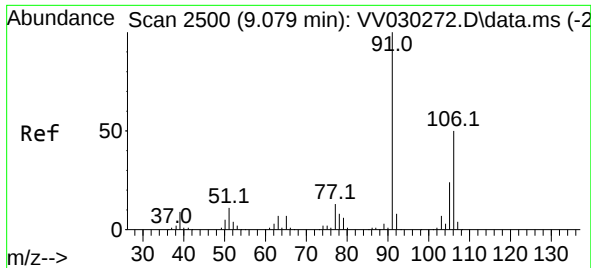
Ion Ratio Lower Upper

112 100

114 31.1 22.5 41.7

77 56.3 45.3 67.9

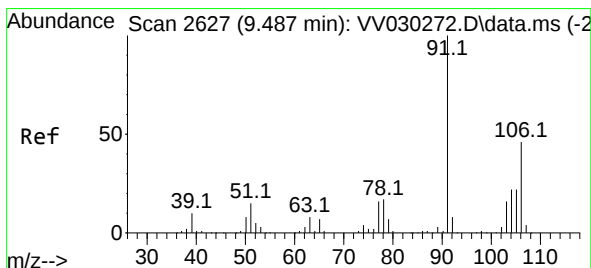
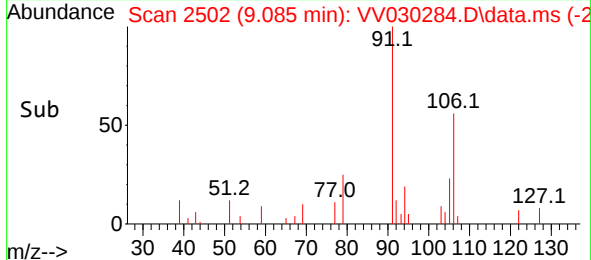
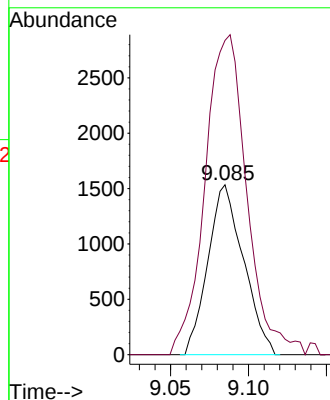
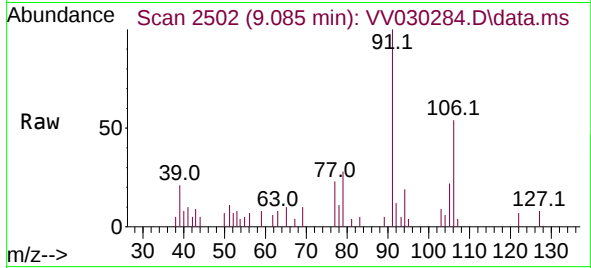




#53
m,p-Xylene
Concen: 0.167 ug/L
RT: 9.085 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV030284.D
Acq: 21 Mar 2023 18:10

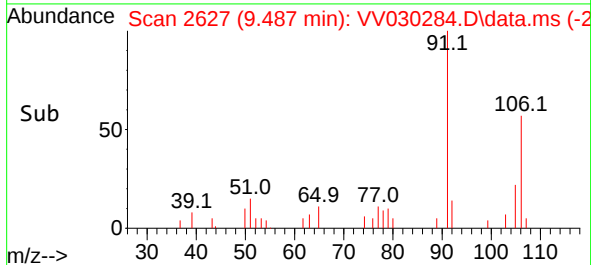
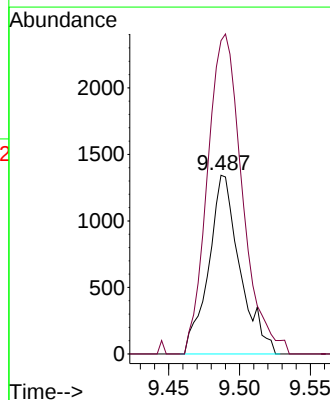
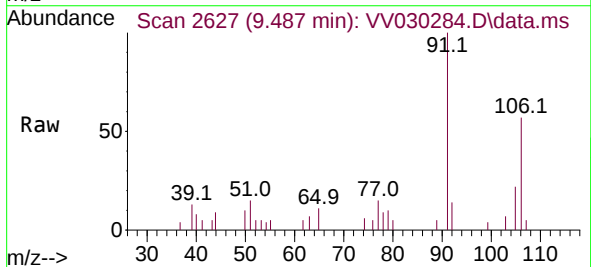
Instrument :
MSVOA_V
ClientSampleId :
CB939

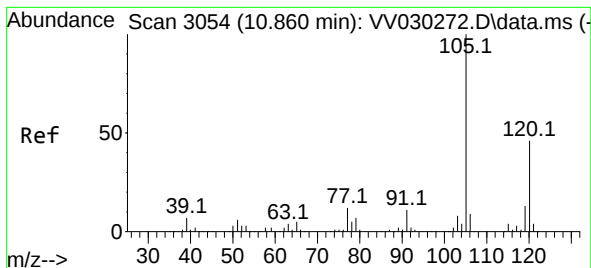
Tgt Ion:106 Resp: 2438
Ion Ratio Lower Upper
106 100
91 184.9 142.5 264.7



#54
o-Xylene
Concen: 0.148 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030284.D
Acq: 21 Mar 2023 18:10

Tgt Ion:106 Resp: 2063
Ion Ratio Lower Upper
106 100
91 175.4 148.8 276.4





#63

1,2,4-Trimethylbenzene

Concen: 0.067 ug/L

RT: 10.863 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VV030284.D

Acq: 21 Mar 2023 18:10

Instrument :

MSVOA_V

ClientSampleId :

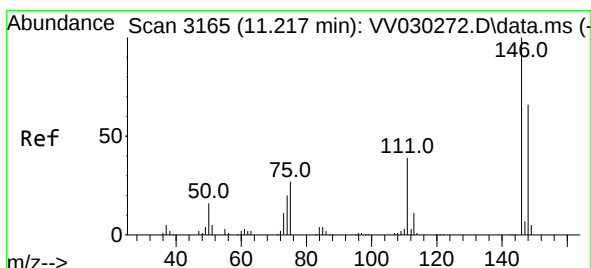
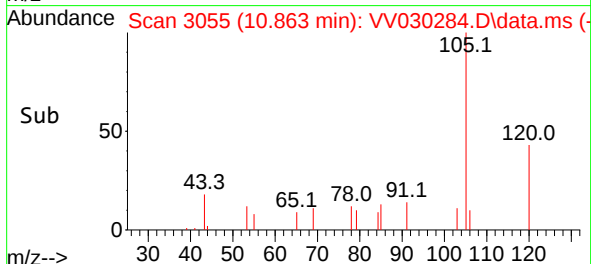
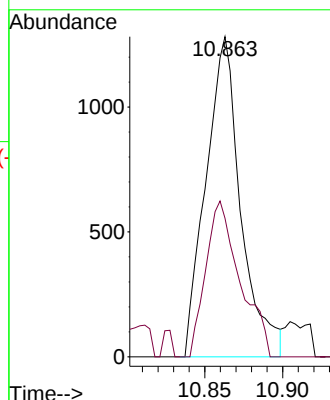
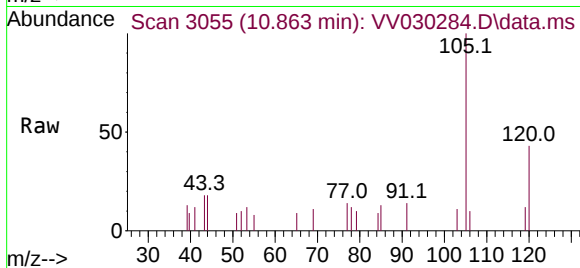
CB939

Tgt Ion:105 Resp: 1995

Ion Ratio Lower Upper

105 100

120 47.7 36.2 54.4



#65

1,4-Dichlorobenzene

Concen: 0.146 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VV030284.D

Acq: 21 Mar 2023 18:10

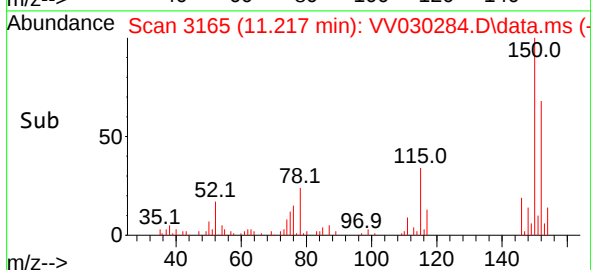
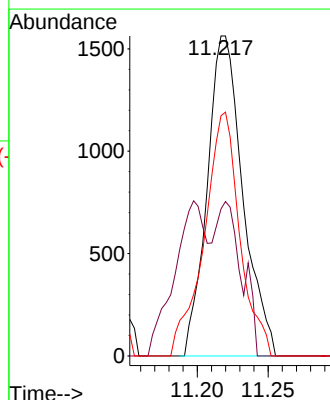
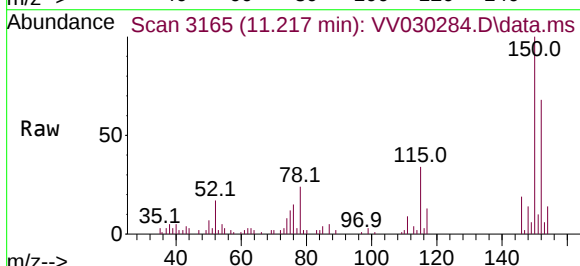
Tgt Ion:146 Resp: 2735

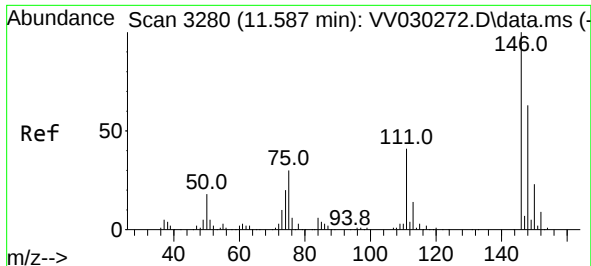
Ion Ratio Lower Upper

146 100

111 45.9 27.4 51.0

148 75.0 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 0.076 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030284.D

Acq: 21 Mar 2023 18:10

Instrument :

MSVOA_V

ClientSampleId :

CB939

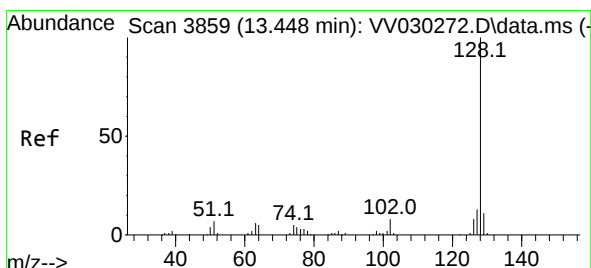
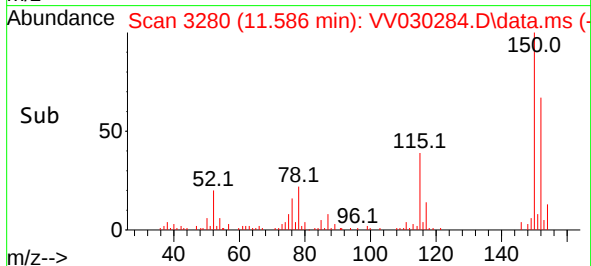
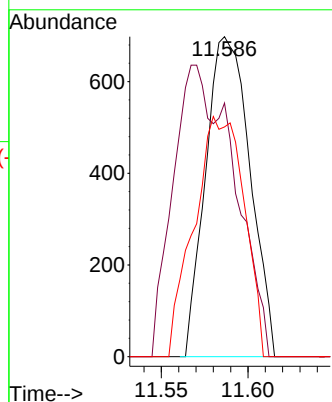
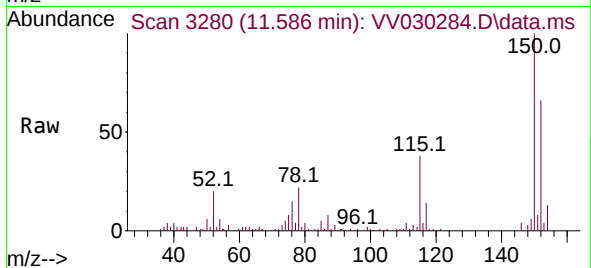
Tgt Ion:146 Resp: 1242

Ion Ratio Lower Upper

146 100

111 79.2 33.5 50.3#

148 71.8 51.3 76.9



#71

Naphthalene

Concen: 0.093 ug/L

RT: 13.455 min Scan# 3861

Delta R.T. 0.006 min

Lab File: VV030284.D

Acq: 21 Mar 2023 18:10

Tgt Ion:128 Resp: 1494

Ion Ratio Lower Upper

128 100

129 10.1 8.6 13.0

127 2.9 10.4 15.6#

