

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072022\
 Data File : VW026856.D
 Acq On : 20 Jul 2022 18:21
 Operator : SY/MD
 Sample : N3802-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GBHX3

Quant Time: Jul 21 01:52:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 21 01:47:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	223505	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	229877	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	98324	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	63728	3.125	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.600%
7) Chloroethane-d5	1.561	69	65570	3.722	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.400%
11) 1,1-Dichloroethene-d2	2.101	63	89405	2.284	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	45.600%#
20) 2-Butanone-d5	3.880	46	192540	60.503	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.000%
24) Chloroform-d	4.346	84	160634	4.505	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.031	65	73719	4.733	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.047	84	267709	3.833	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.600%
36) 1,2-Dichloropropane-d6	6.069	67	96145	4.591	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.800%
41) Toluene-d8	7.317	98	184170	2.970	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	59.400%#
43) trans-1,3-Dichloroprop...	7.625	79	25464	3.716	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.400%
46) 2-Hexanone-d5	8.088	63	142759	48.120	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.240%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	79345	4.863	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	80345	4.690	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.237	50	1607	0.059	ug/L	90
14) Carbon disulfide	2.288	76	3802	0.066	ug/L	96
17) Methyl tert-butyl Ether	2.767	73	14022	0.415	ug/L	98
19) 1,1-Dichloroethane	3.188	63	4686	0.142	ug/L #	85
22) cis-1,2-Dichloroethene	3.912	96	2235	0.123	ug/L	77
25) Chloroform	4.375	83	2513	0.073	ug/L #	71
27) 1,2-Dichloroethane	5.146	62	2326	0.125	ug/L #	72
34) Trichloroethene	5.921	95	8157	0.432	ug/L	93
35) Methylcyclohexane	6.069	83	22727	0.788	ug/L #	20
37) 1,2-Dichloropropane	6.069	63	10403	0.566	ug/L #	85
39) cis-1,3-Dichloropropene	6.986	75	1821	0.080	ug/L	88
47) Tetrachloroethene	7.976	164	11871	0.801	ug/L	99
49) Dibromochloromethane	7.979	129	11849	0.765	ug/L #	10
51) Chlorobenzene	8.892	112	2169	0.044	ug/L	94
61) 1,2,3-Trichloropropane	11.194	75	835	0.092	ug/L #	39
69) 1,3,5-Trichlorobenzene	12.648	180	1758	0.083	ug/L #	95
70) 1,2,4-trichlorobenzene	13.268	180	2291	0.142	ug/L #	88
71) Naphthalene	13.509	128	6327	0.236	ug/L	97
72) 1,2,3-Trichlorobenzene	13.751	180	2665	0.177	ug/L	95

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jul 21 01:47:16 2022
Response via : Initial Calibration

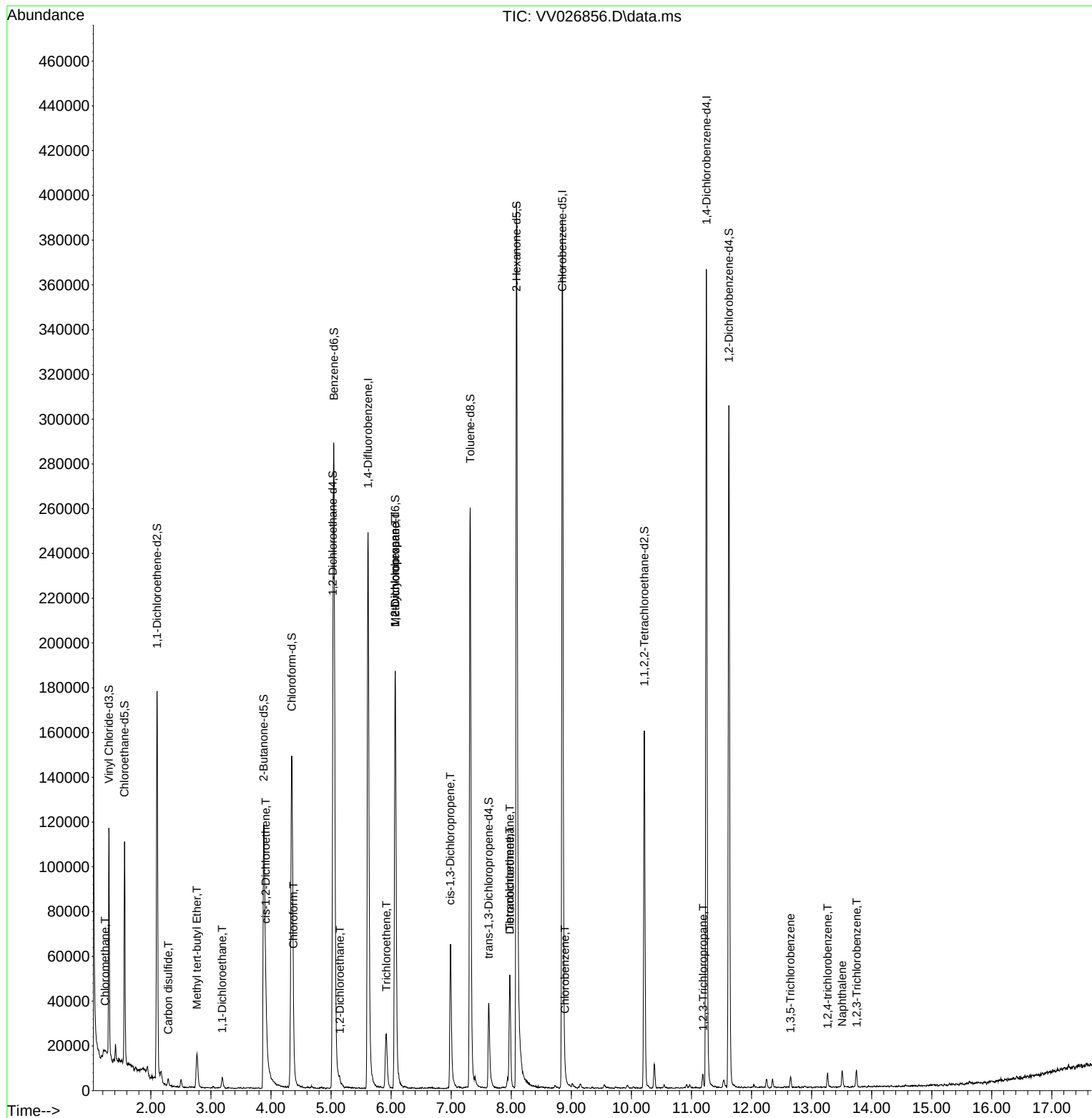
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

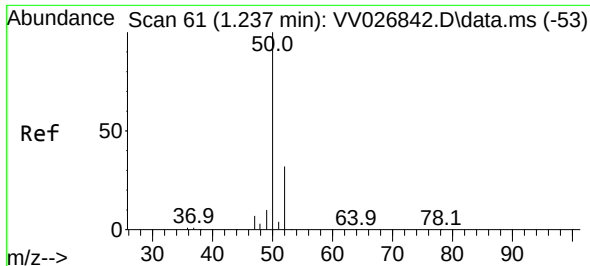
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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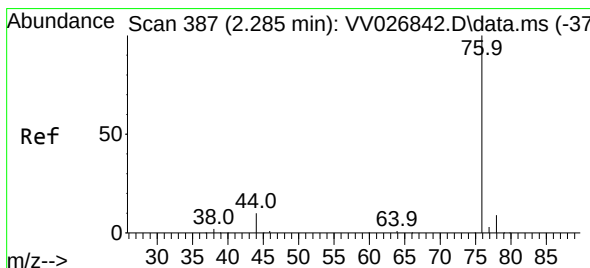
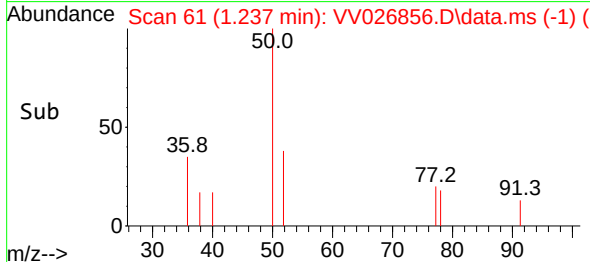
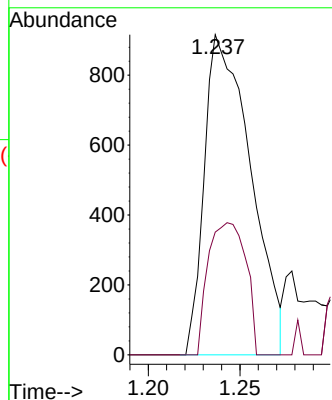
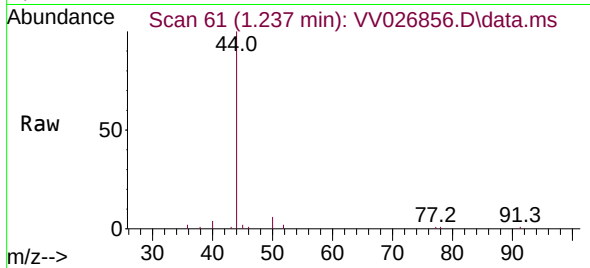




#3
Chloromethane
Concen: 0.059 ug/L
RT: 1.237 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV026856.D
Acq: 20 Jul 2022 18:21

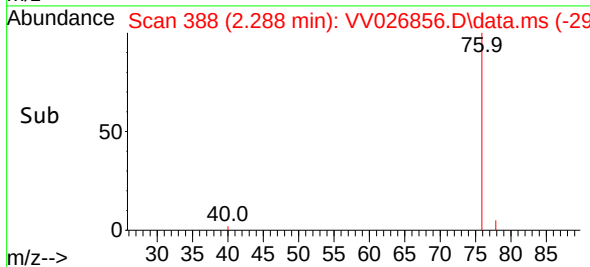
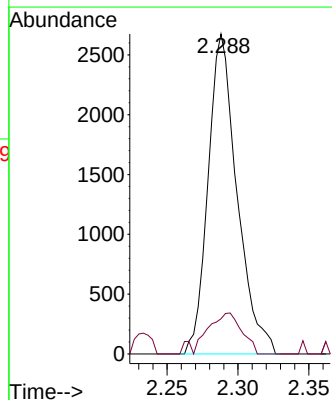
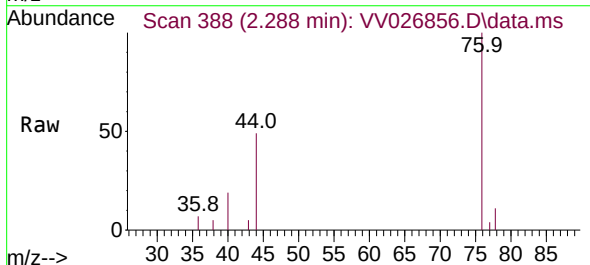
Instrument :
MSVOA_V
ClientSampleId :
GBHX3

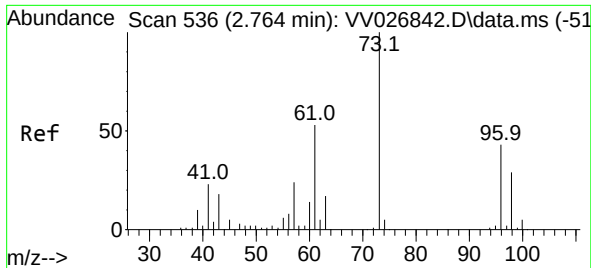
Tgt Ion: 50 Resp: 1607
Ion Ratio Lower Upper
50 100
52 38.3 22.8 42.4



#14
Carbon disulfide
Concen: 0.066 ug/L
RT: 2.288 min Scan# 388
Delta R.T. 0.003 min
Lab File: VV026856.D
Acq: 20 Jul 2022 18:21

Tgt Ion: 76 Resp: 3802
Ion Ratio Lower Upper
76 100
78 11.0 7.7 11.5

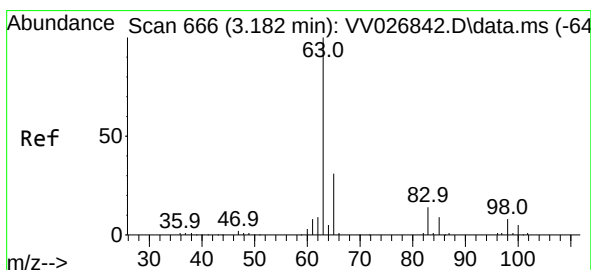
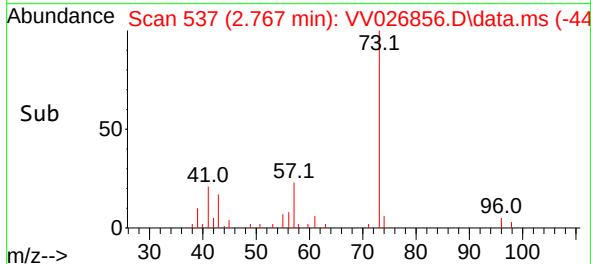
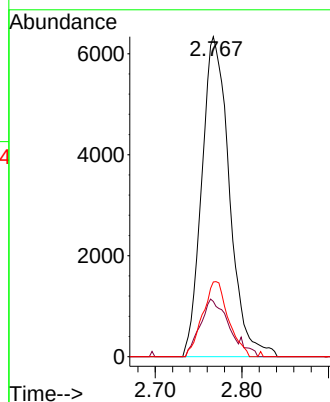
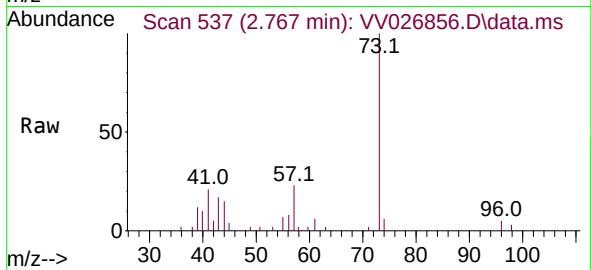




#17
Methyl tert-butyl Ether
Concen: 0.415 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV026856.D
Acq: 20 Jul 2022 18:21

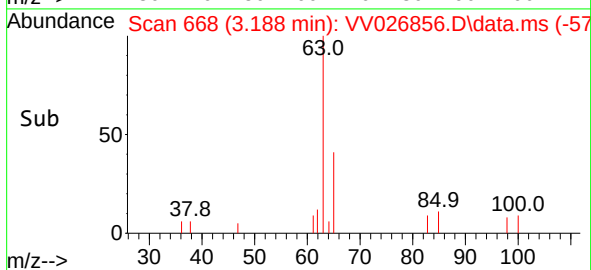
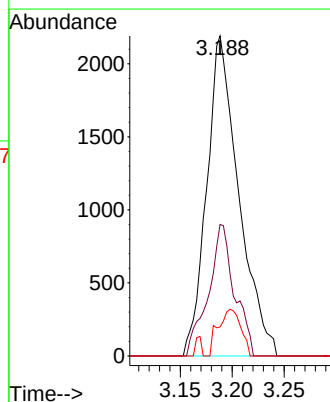
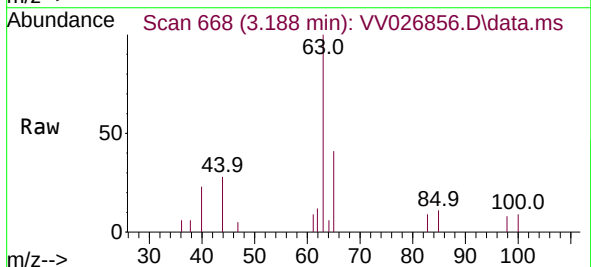
Instrument :
MSVOA_V
ClientSampleId :
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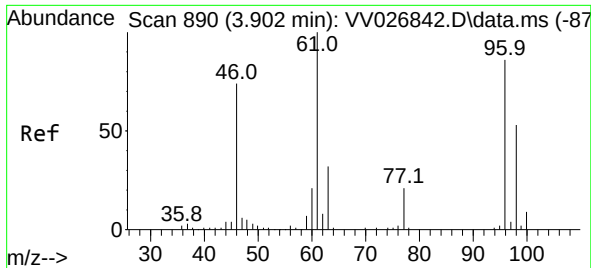
Tgt Ion: 73 Resp: 14022
Ion Ratio Lower Upper
73 100
43 19.0 14.0 21.0
57 21.9 17.6 26.4



#19
1,1-Dichloroethane
Concen: 0.142 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.006 min
Lab File: VV026856.D
Acq: 20 Jul 2022 18:21

Tgt Ion: 63 Resp: 4686
Ion Ratio Lower Upper
63 100
65 41.1 22.3 41.3
83 9.0 9.9 18.5#

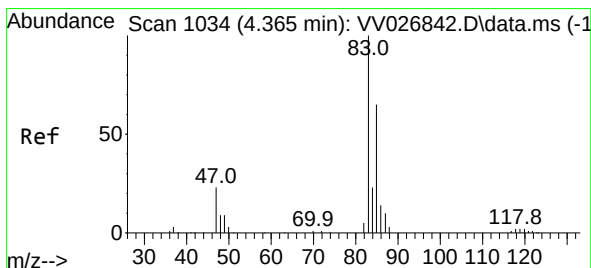
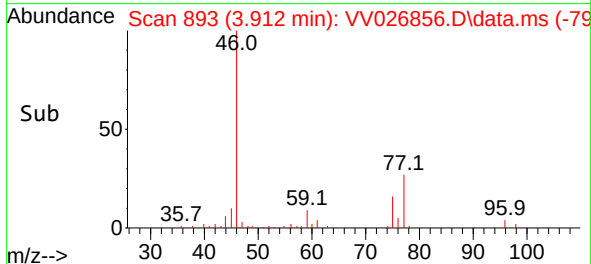
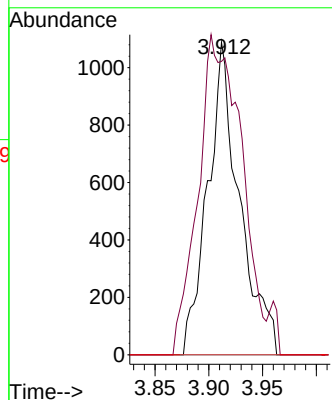
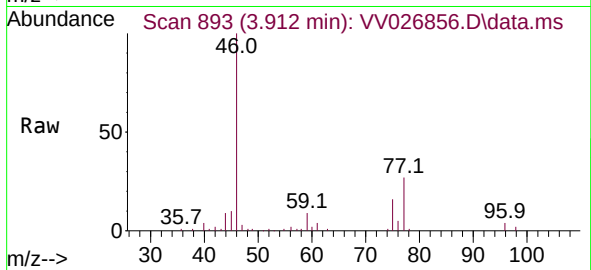




#22
cis-1,2-Dichloroethene
Concen: 0.123 ug/L
RT: 3.912 min Scan# 891
Delta R.T. 0.010 min
Lab File: VV026856.D
Acq: 20 Jul 2022 18:21

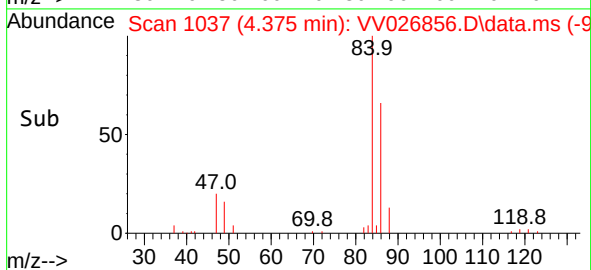
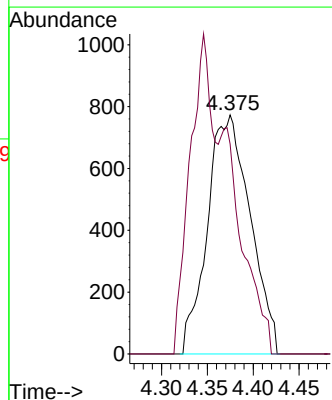
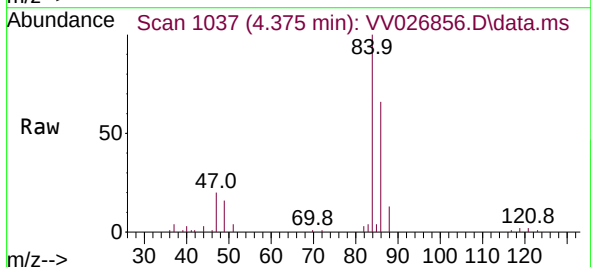
Instrument :
MSVOA_V
ClientSampleId :
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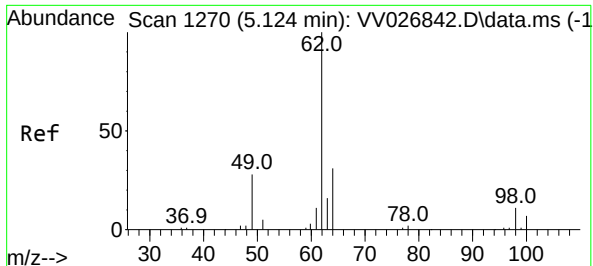
Tgt Ion: 96 Resp: 2235
Ion Ratio Lower Upper
96 100
61 93.8 83.9 155.9
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.073 ug/L
RT: 4.375 min Scan# 1037
Delta R.T. 0.010 min
Lab File: VV026856.D
Acq: 20 Jul 2022 18:21

Tgt Ion: 83 Resp: 2513
Ion Ratio Lower Upper
83 100
85 87.8 45.7 84.9#





#27

1,2-Dichloroethane

Concen: 0.125 ug/L

RT: 5.146 min Scan# 1

Delta R.T. 0.022 min

Lab File: VV026856.D

Acq: 20 Jul 2022 18:21

Instrument :

MSVOA_V

ClientSampleId :

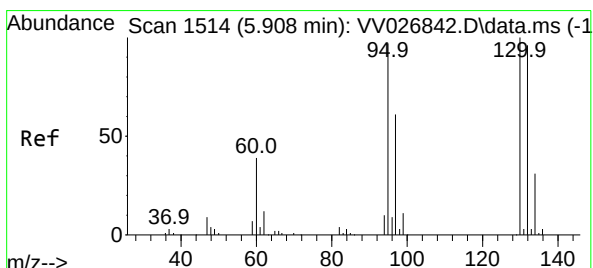
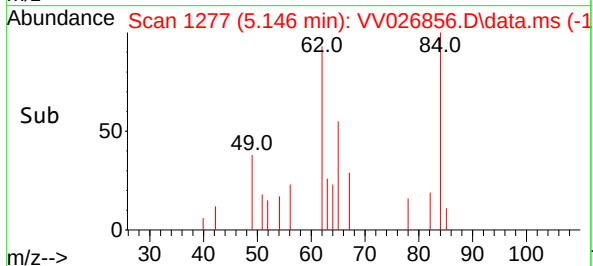
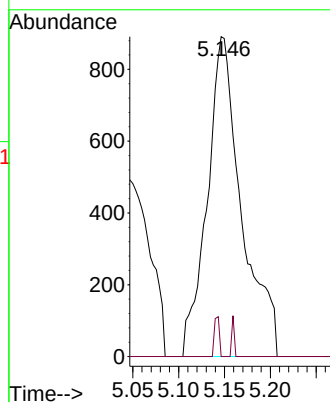
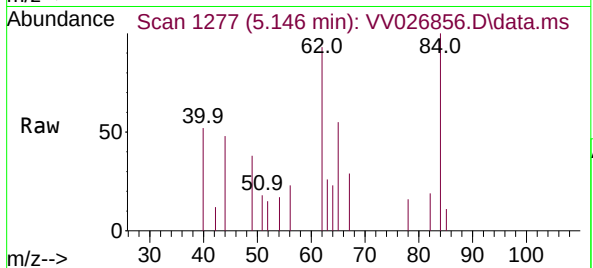
GBHX3

Tgt Ion: 62 Resp: 2326

Ion Ratio Lower Upper

62 100

98 0.0 8.3 12.5#



#34

Trichloroethene

Concen: 0.432 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. 0.013 min

Lab File: VV026856.D

Acq: 20 Jul 2022 18:21

Tgt Ion: 95 Resp: 8157

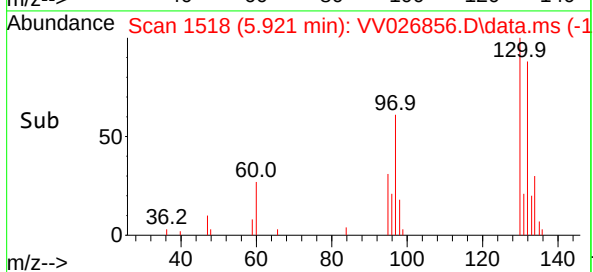
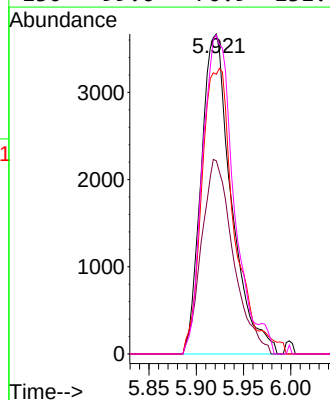
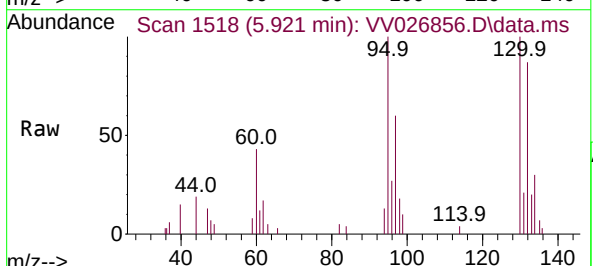
Ion Ratio Lower Upper

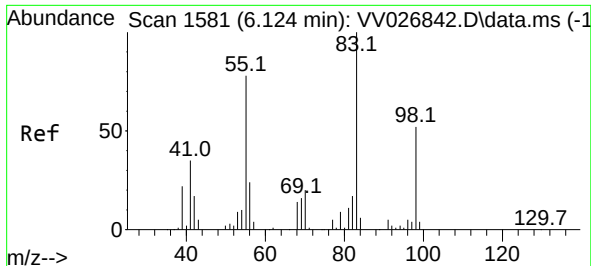
95 100

97 60.4 44.6 82.8

132 87.4 70.2 130.4

130 99.6 70.9 131.7

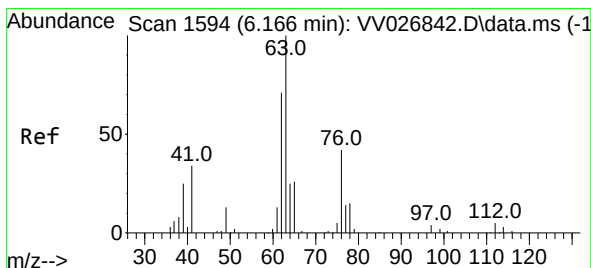
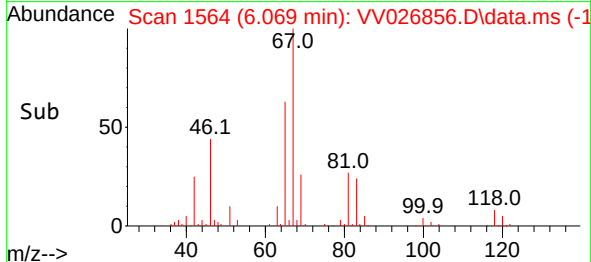
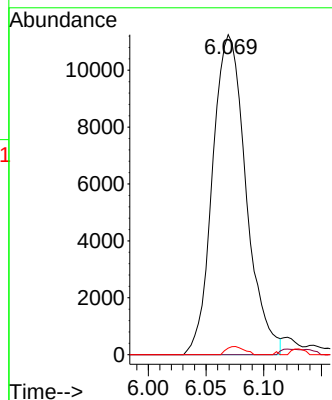
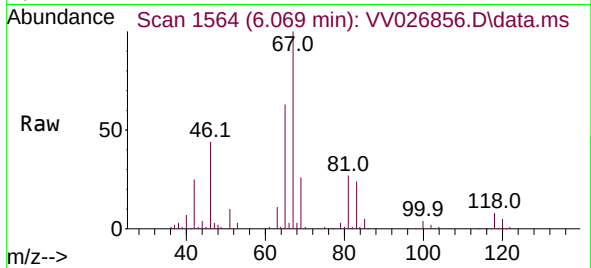




#35
Methylcyclohexane
Concen: 0.788 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.055 min
Lab File: VV026856.D
Acq: 20 Jul 2022 18:21

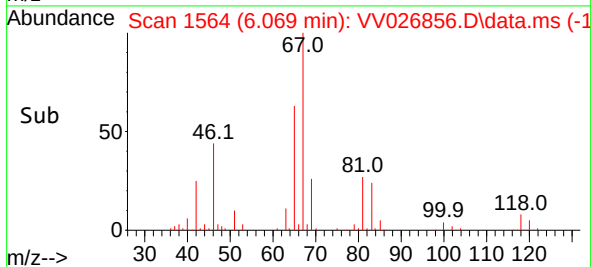
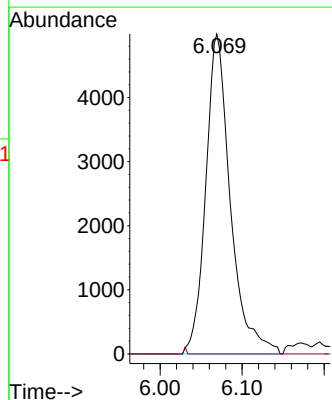
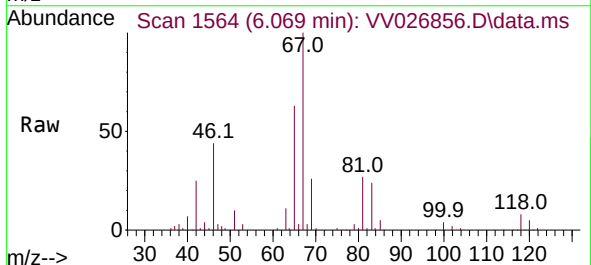
Instrument :
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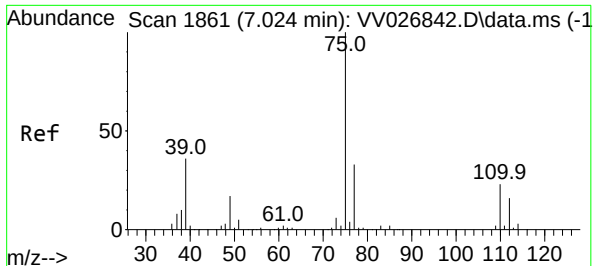
Tgt Ion: 83 Resp: 22727
Ion Ratio Lower Upper
83 100
55 0.0 59.5 89.3#
98 1.3 38.3 57.5#



#37
1,2-Dichloropropane
Concen: 0.566 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.096 min
Lab File: VV026856.D
Acq: 20 Jul 2022 18:21

Tgt Ion: 63 Resp: 10403
Ion Ratio Lower Upper
63 100
112 0.2 4.2 6.2#





#39

cis-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 6.986 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV026856.D

Acq: 20 Jul 2022 18:21

Instrument :

MSVOA_V

ClientSampleId :

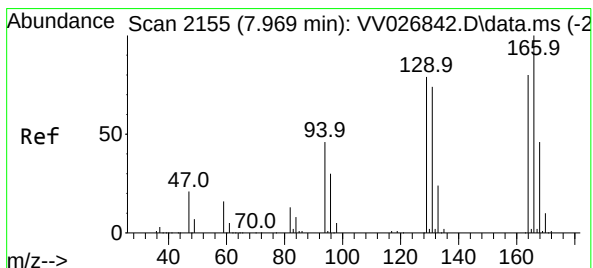
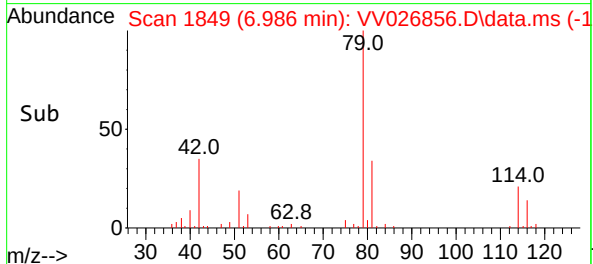
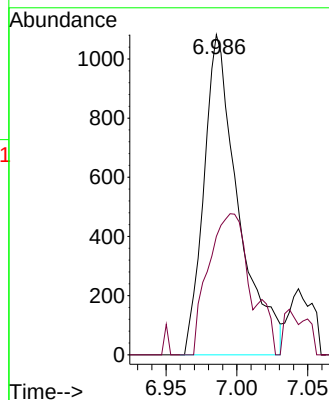
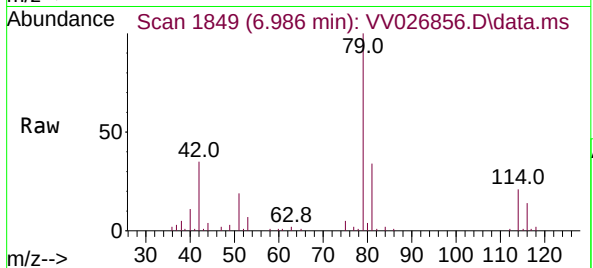
GBHX3

Tgt Ion: 75 Resp: 1821

Ion Ratio Lower Upper

75 100

77 37.0 21.4 39.8



#47

Tetrachloroethene

Concen: 0.801 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.006 min

Lab File: VV026856.D

Acq: 20 Jul 2022 18:21

Tgt Ion:164 Resp: 11871

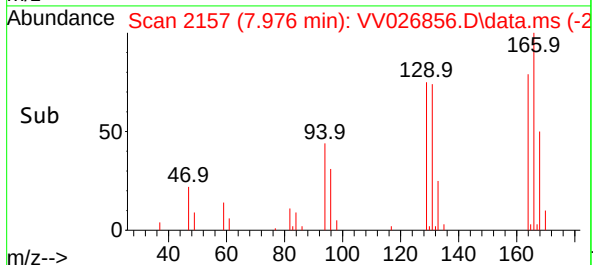
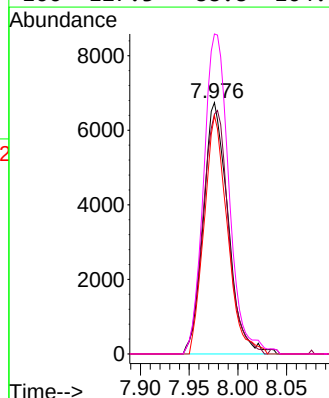
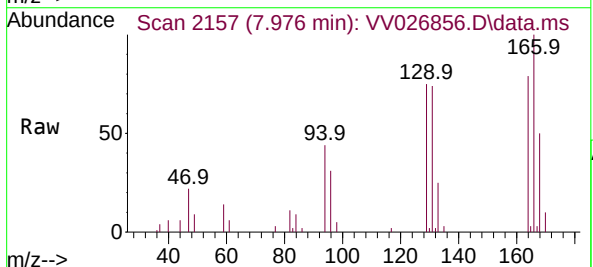
Ion Ratio Lower Upper

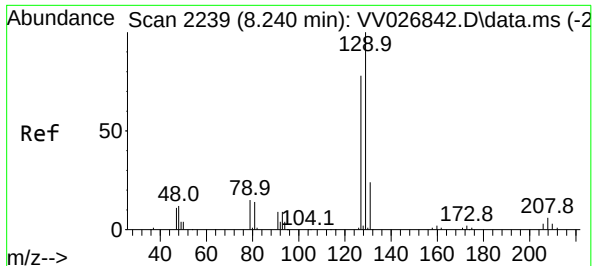
164 100

129 95.4 67.8 125.8

131 94.8 65.9 122.5

166 127.3 88.8 164.8





#49

Dibromochloromethane

Concen: 0.765 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.260 min

Lab File: VV026856.D

Acq: 20 Jul 2022 18:21

Instrument :

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ClientSampleId :

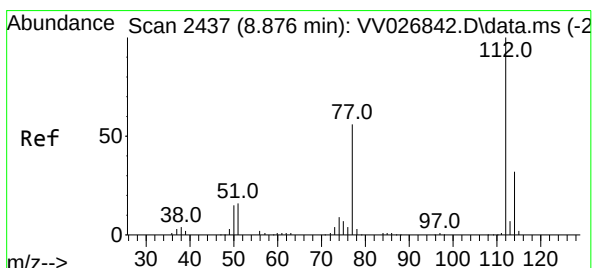
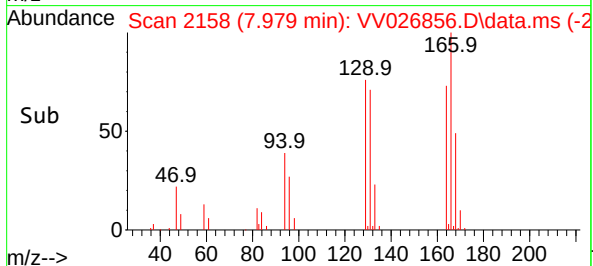
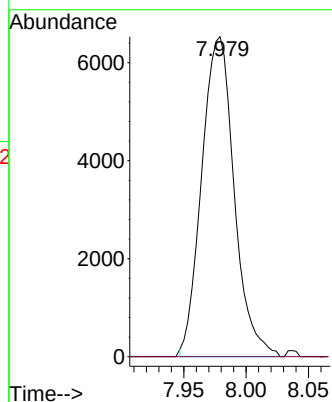
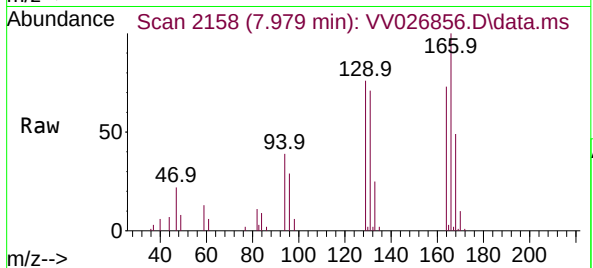
GBHX3

Tgt Ion:129 Resp: 11849

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#51

Chlorobenzene

Concen: 0.044 ug/L

RT: 8.892 min Scan# 2442

Delta R.T. 0.016 min

Lab File: VV026856.D

Acq: 20 Jul 2022 18:21

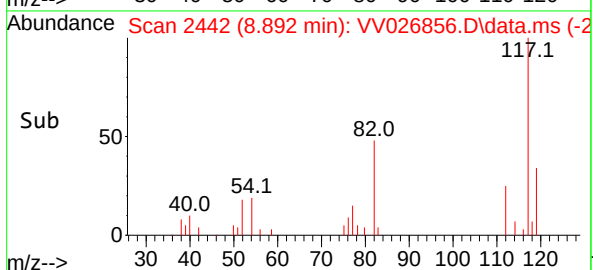
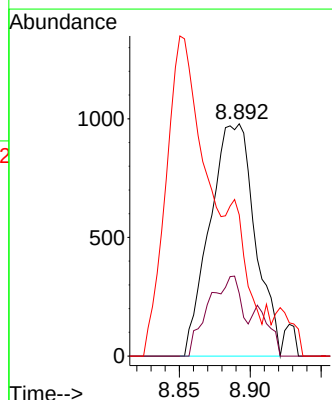
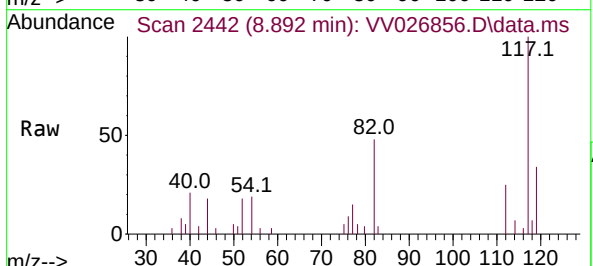
Tgt Ion:112 Resp: 2169

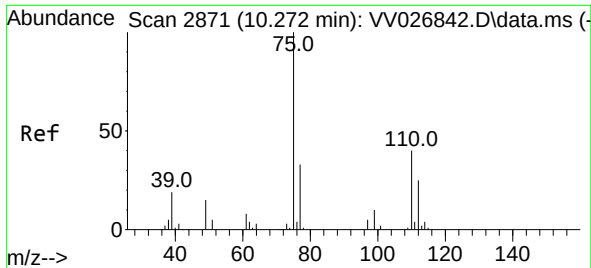
Ion Ratio Lower Upper

112 100

114 27.0 22.7 42.1

77 60.8 46.6 70.0





#61

1,2,3-Trichloropropane

Concen: 0.092 ug/L

RT: 11.194 min Scan# 3158

Delta R.T. 0.923 min

Lab File: VV026856.D

Acq: 20 Jul 2022 18:21

Instrument :

MSVOA_V

ClientSampleId :

GBHX3

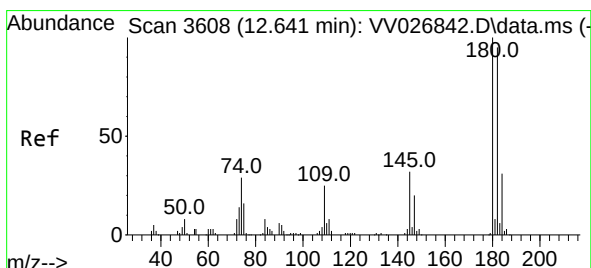
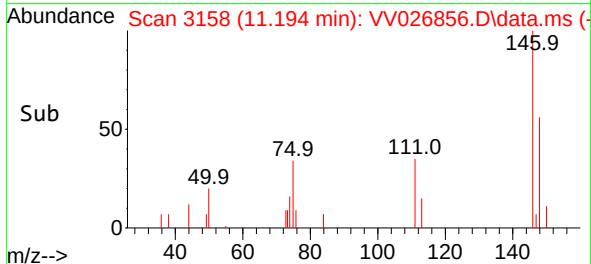
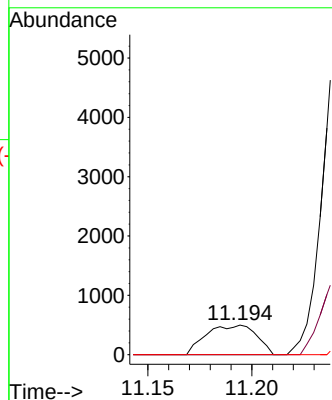
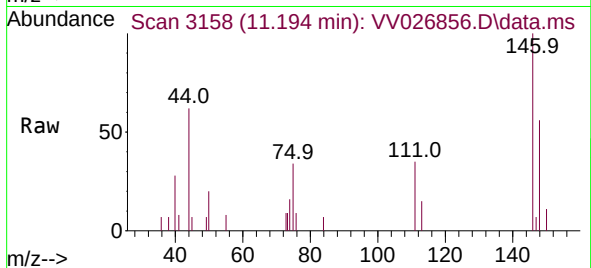
Tgt Ion: 75 Resp: 835

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

110 0.0 31.8 47.6#



#69

1,3,5-Trichlorobenzene

Concen: 0.083 ug/L

RT: 12.648 min Scan# 3610

Delta R.T. 0.006 min

Lab File: VV026856.D

Acq: 20 Jul 2022 18:21

Tgt Ion:180 Resp: 1758

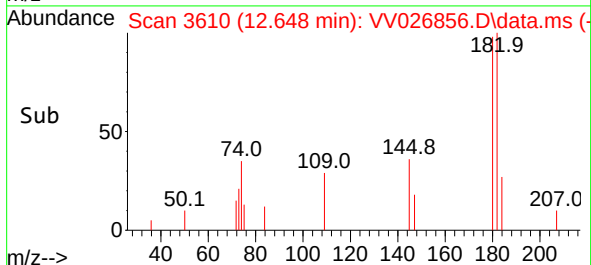
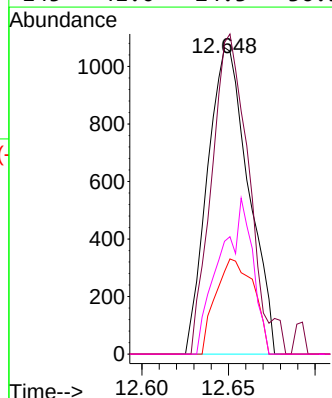
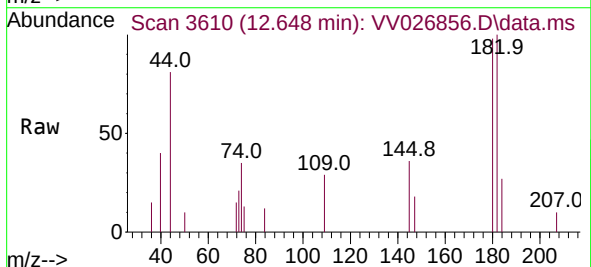
Ion Ratio Lower Upper

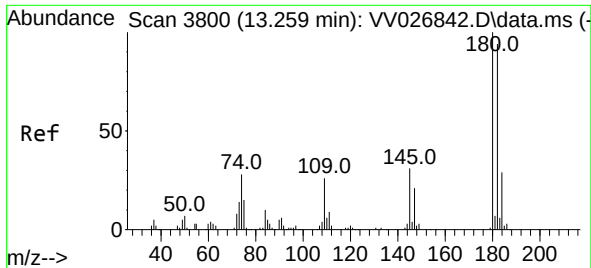
180 100

182 94.7 74.0 111.0

184 28.7 23.1 34.7

145 41.0 24.3 36.5#

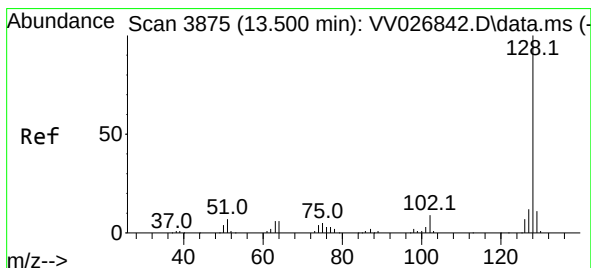
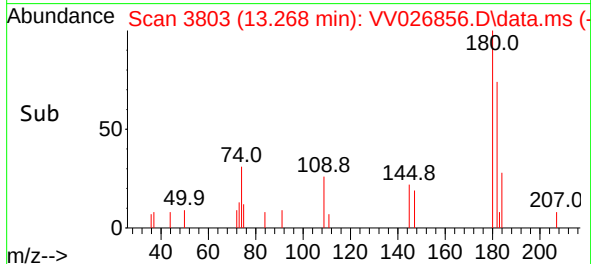
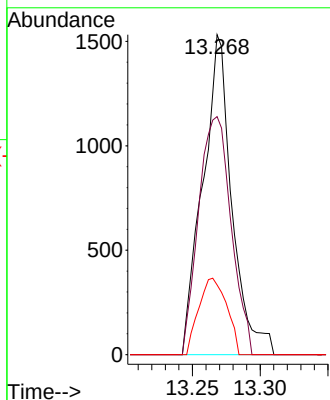
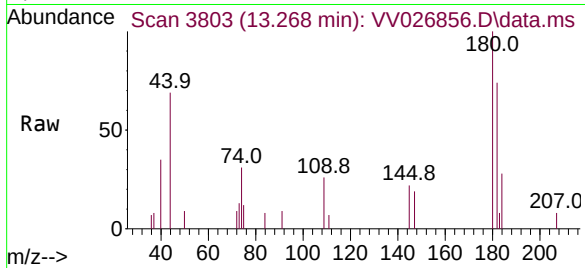




#70
1,2,4-trichlorobenzene
Concen: 0.142 ug/L
RT: 13.268 min Scan# 3803
Delta R.T. 0.010 min
Lab File: VV026856.D
Acq: 20 Jul 2022 18:21

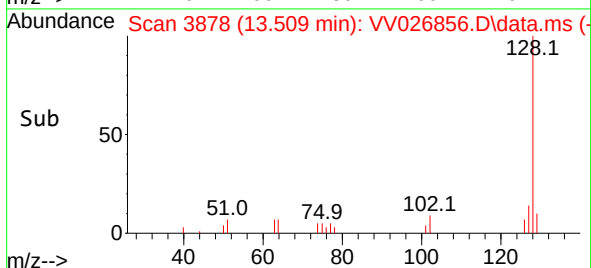
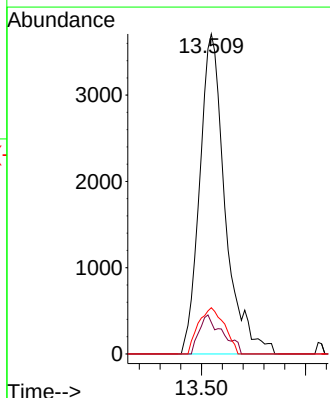
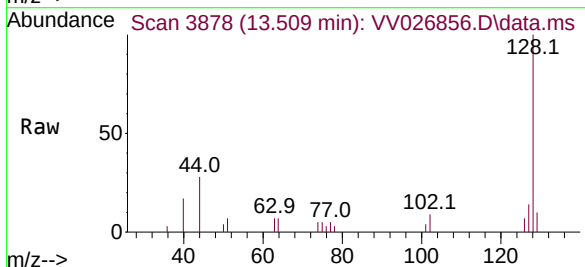
Instrument :
MSVOA_V
ClientSampleId :
GBHX3

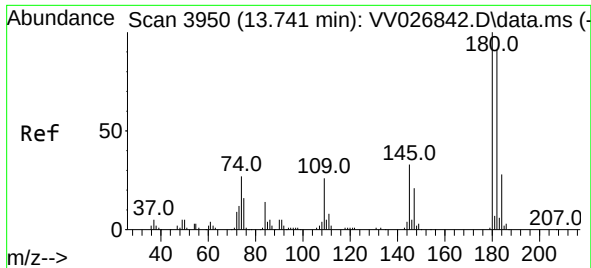
Tgt Ion:180 Resp: 2291
Ion Ratio Lower Upper
180 100
182 82.8 74.7 112.1
145 23.0 24.7 37.1#



#71
Naphthalene
Concen: 0.236 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.010 min
Lab File: VV026856.D
Acq: 20 Jul 2022 18:21

Tgt Ion:128 Resp: 6327
Ion Ratio Lower Upper
128 100
129 11.1 8.4 12.6
127 14.7 10.7 16.1





#72
 1,2,3-Trichlorobenzene
 Concen: 0.177 ug/L
 RT: 13.751 min Scan# 3953
 Delta R.T. 0.010 min
 Lab File: VV026856.D
 Acq: 20 Jul 2022 18:21

Instrument :
 MSVOA_V
 ClientSampleId :
 GBHX3

Tgt Ion:180 Resp: 2665
 Ion Ratio Lower Upper
 180 100
 182 88.4 75.0 112.4
 145 30.1 26.0 39.0

