

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072122\
 Data File : VW026876.D
 Acq On : 21 Jul 2022 15:56
 Operator : SY/MD
 Sample : N3809-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VHBLK001

Quant Time: Jul 22 05:57:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 22 05:53:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	221057	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	230133	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	98195	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	95806	4.751	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.000%
7) Chloroethane-d5	1.561	69	86760	4.979	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.600%
11) 1,1-Dichloroethene-d2	2.101	63	135460	3.499	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.000%
20) 2-Butanone-d5	3.892	46	171048	54.344	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.680%
24) Chloroform-d	4.343	84	185196	5.252	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.000%
26) 1,2-Dichloroethane-d4	5.027	65	79504	5.161	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.200%
32) Benzene-d6	5.043	84	352437	5.040	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
36) 1,2-Dichloropropane-d6	6.066	67	111248	5.306	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.200%
41) Toluene-d8	7.313	98	275589	4.440	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	7.622	79	30710	4.477	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.088	63	128735	43.345	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.700%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	75220	4.605	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	93741	5.479	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.600%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.098	101	1811	0.091	ug/L #	43
12) 1,1-Dichloroethene	2.105	96	1830	0.094	ug/L #	1
16) Methylene chloride	2.503	84	19564	0.847	ug/L	97
25) Chloroform	4.371	83	8135	0.239	ug/L	89
35) Methylcyclohexane	6.066	83	27617	0.957	ug/L #	20
44) trans-1,3-Dichloropropene	7.622	75	1390	0.074	ug/L #	74
47) Tetrachloroethene	7.979	164	775	0.052	ug/L	78
49) Dibromochloromethane	8.252	129	381	0.025	ug/L #	45
51) Chlorobenzene	8.886	112	2229	0.045	ug/L #	85
53) m,p-Xylene	9.149	106	1190	0.040	ug/L	89
61) 1,2,3-Trichloropropane	11.246	75	12393	1.369	ug/L #	66
62) 1,3,5-Trimethylbenzene	10.545	105	1595	0.033	ug/L	88
63) 1,2,4-Trimethylbenzene	10.918	105	2972	0.060	ug/L	89
69) 1,3,5-Trichlorobenzene	12.651	180	1857	0.088	ug/L	94
70) 1,2,4-trichlorobenzene	13.265	180	2176	0.135	ug/L	95
71) Naphthalene	13.509	128	8227	0.308	ug/L	97
72) 1,2,3-Trichlorobenzene	13.747	180	2438	0.162	ug/L	91

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QLast Update : Fri Jul 22 05:53:14 2022
Response via : Initial Calibration

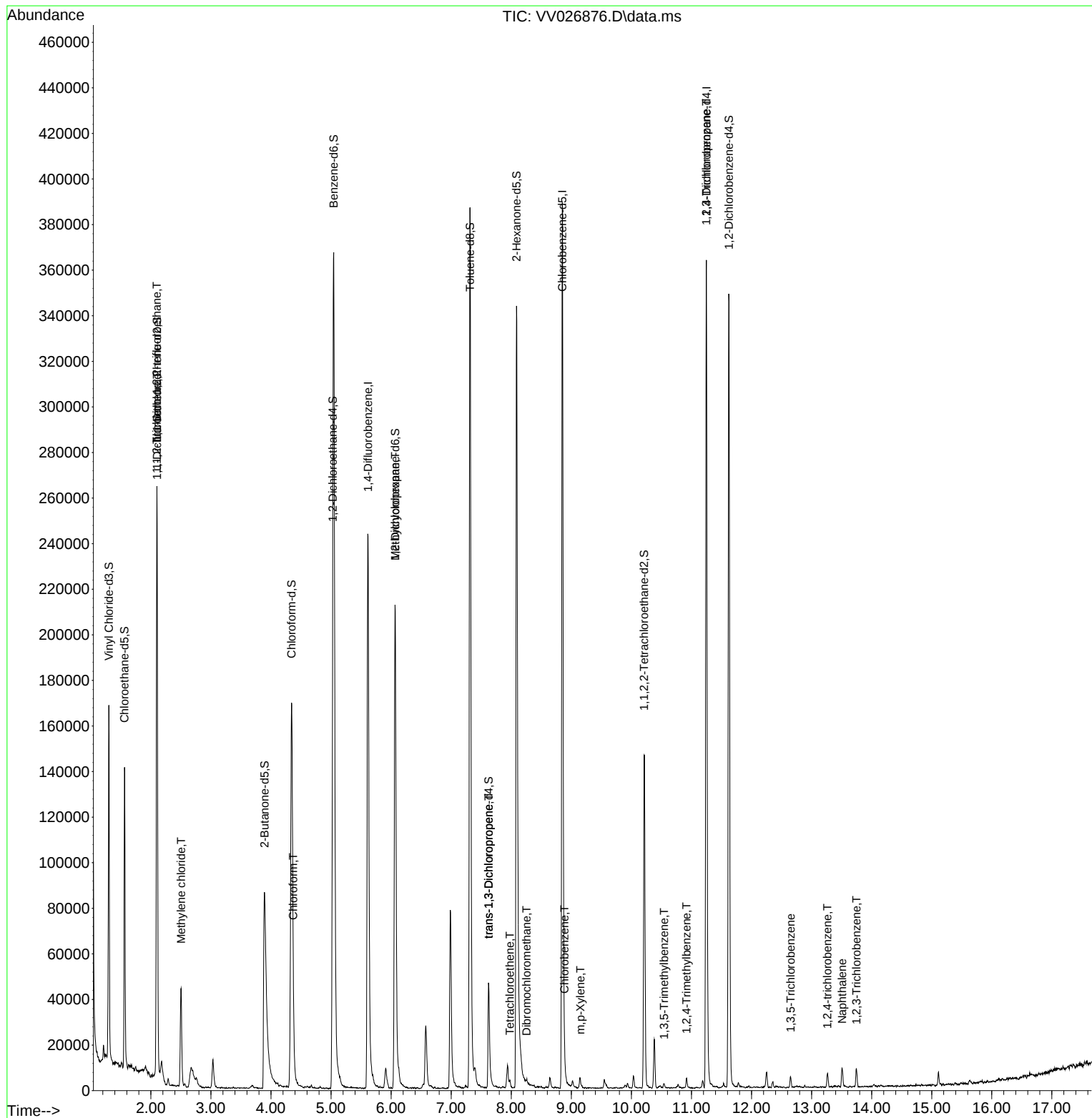
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

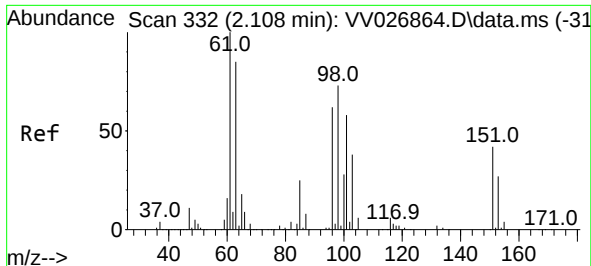
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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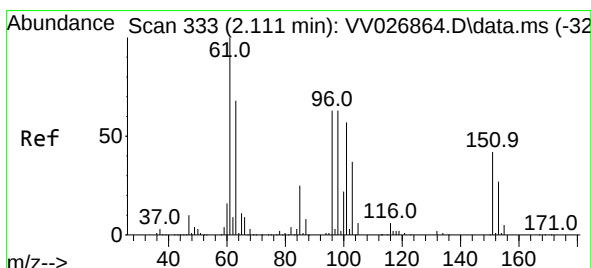
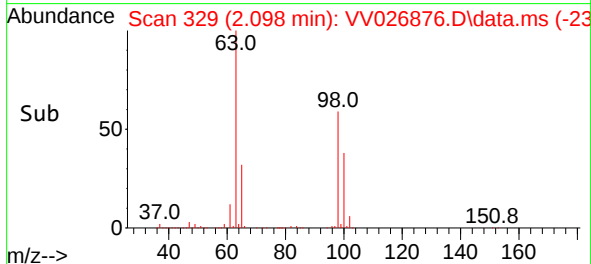
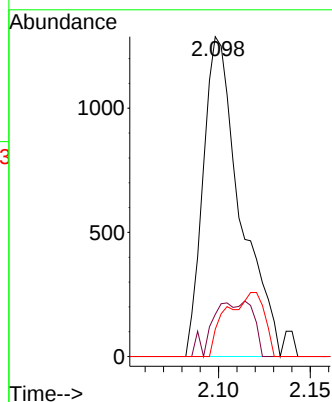
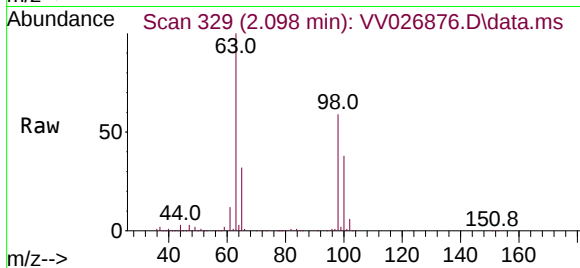




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.091 ug/L
 RT: 2.098 min Scan# 31
 Delta R.T. -0.009 min
 Lab File: VV026876.D
 Acq: 21 Jul 2022 15:56

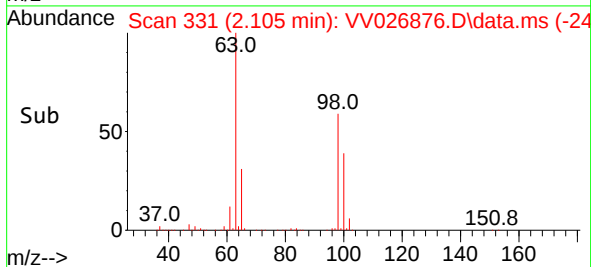
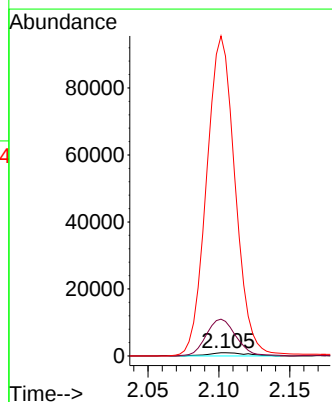
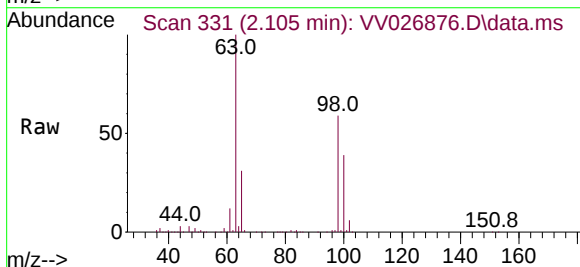
Instrument :
 MSVOA_V
 ClientSampleId :
 VHBLK001

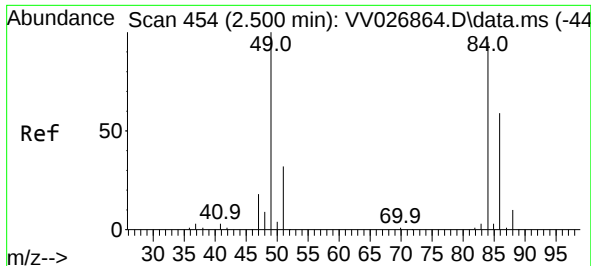
Tgt Ion:101 Resp: 1811
 Ion Ratio Lower Upper
 101 100
 85 10.9 35.0 52.4#
 151 20.5 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.094 ug/L
 RT: 2.105 min Scan# 331
 Delta R.T. -0.006 min
 Lab File: VV026876.D
 Acq: 21 Jul 2022 15:56

Tgt Ion: 96 Resp: 1830
 Ion Ratio Lower Upper
 96 100
 61 1082.5 118.3 219.7#
 63 9389.3 79.9 148.3#

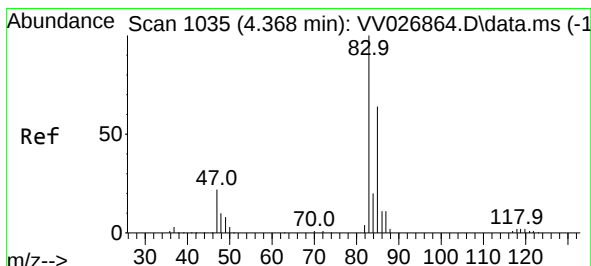
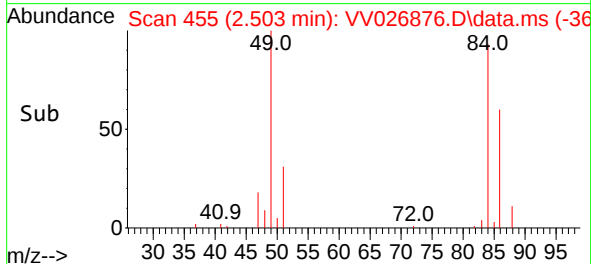
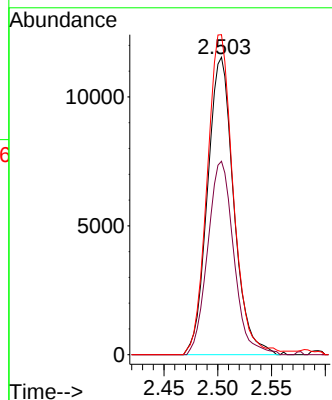
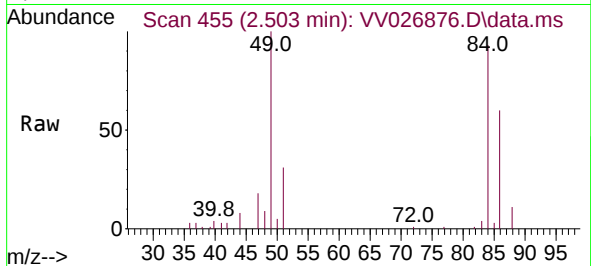




#16
Methylene chloride
Concen: 0.847 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV026876.D
Acq: 21 Jul 2022 15:56

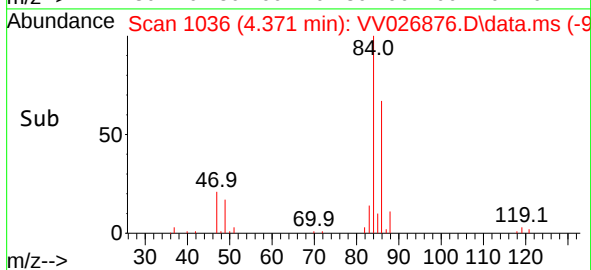
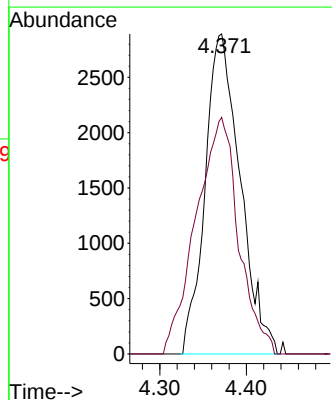
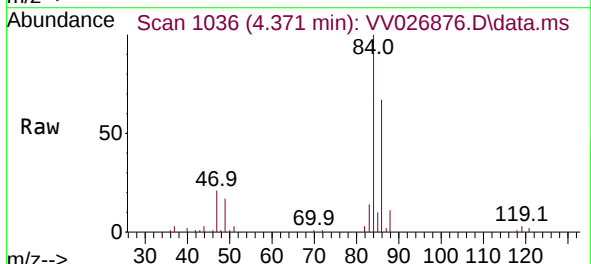
Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

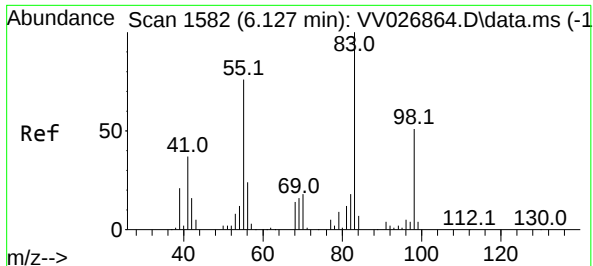
Tgt Ion: 84 Resp: 19564
Ion Ratio Lower Upper
84 100
86 65.0 44.8 83.2
49 107.6 78.7 146.1



#25
Chloroform
Concen: 0.239 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. 0.003 min
Lab File: VV026876.D
Acq: 21 Jul 2022 15:56

Tgt Ion: 83 Resp: 8135
Ion Ratio Lower Upper
83 100
85 74.0 45.7 84.9





#35

Methylcyclohexane

Concen: 0.957 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.061 min

Lab File: VV026876.D

Acq: 21 Jul 2022 15:56

Instrument :

MSVOA_V

ClientSampleId :

VHBLK001

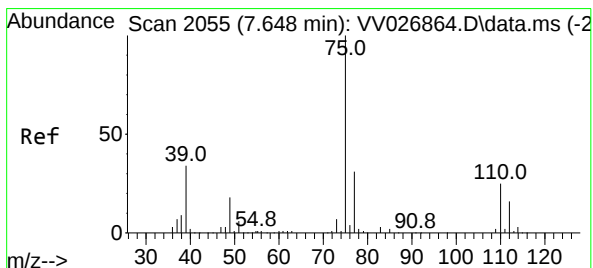
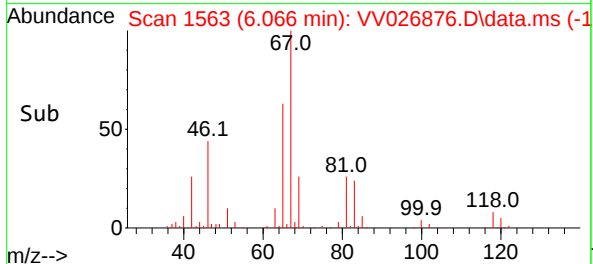
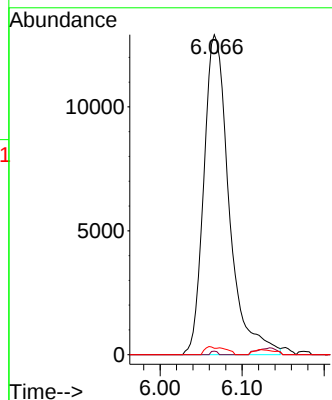
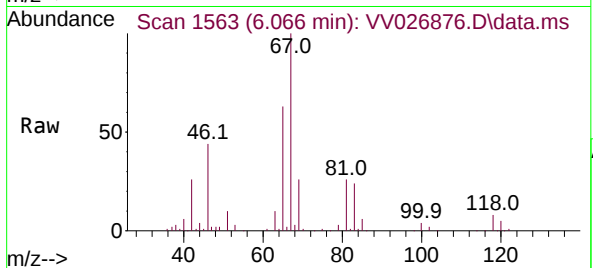
Tgt Ion: 83 Resp: 27617

Ion Ratio Lower Upper

83 100

55 0.3 59.5 89.3#

98 2.0 38.3 57.5#



#44

trans-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 7.622 min Scan# 2047

Delta R.T. -0.026 min

Lab File: VV026876.D

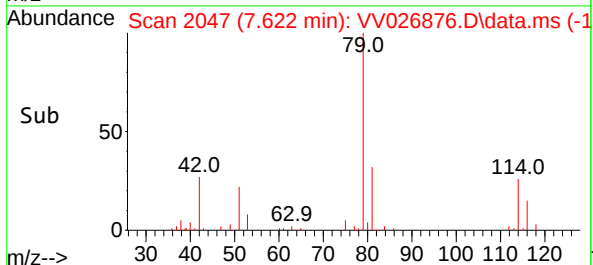
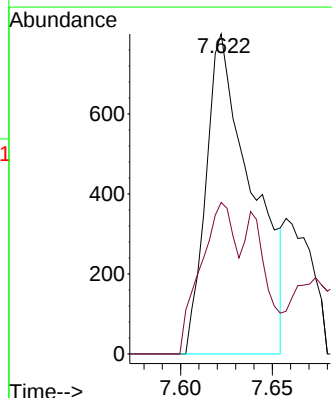
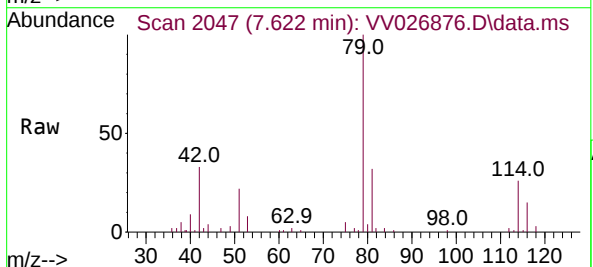
Acq: 21 Jul 2022 15:56

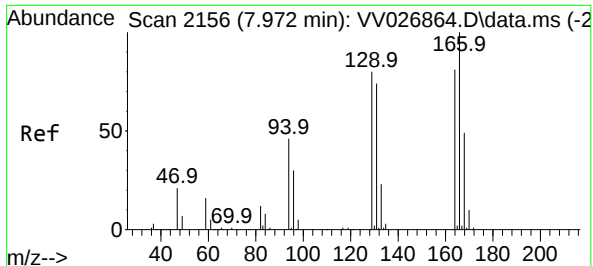
Tgt Ion: 75 Resp: 1390

Ion Ratio Lower Upper

75 100

77 47.4 22.7 42.3#



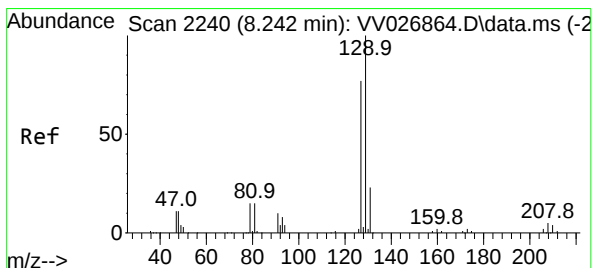
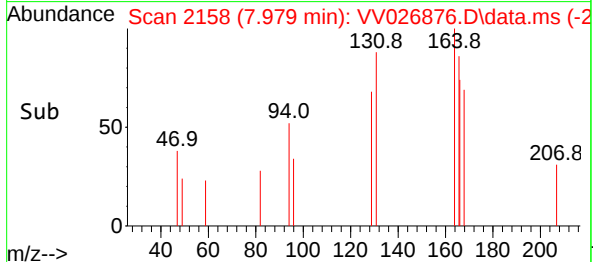
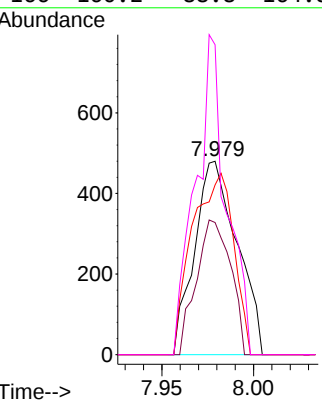
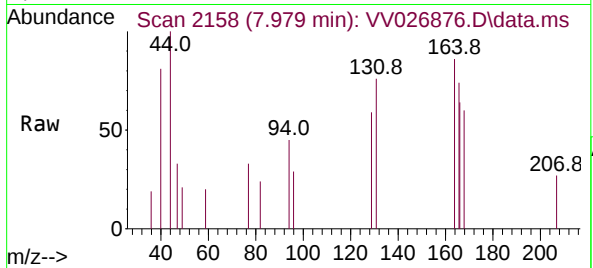


#47
 Tetrachloroethene
 Concen: 0.052 ug/L
 RT: 7.979 min Scan# 2156
 Delta R.T. 0.007 min
 Lab File: VV026876.D
 Acq: 21 Jul 2022 15:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VHBLK001

Tgt Ion:164 Resp: 775

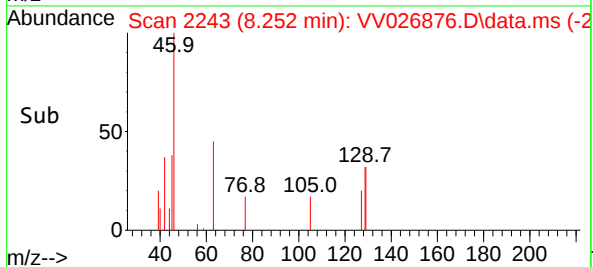
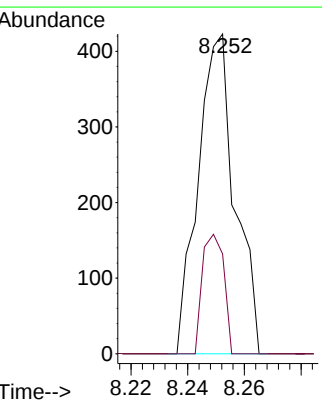
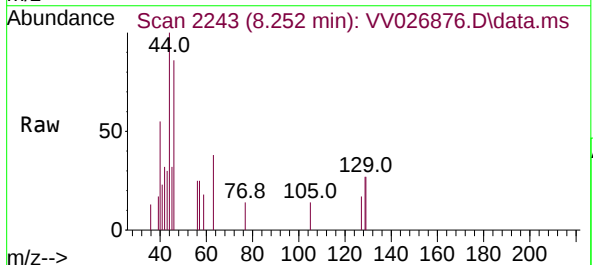
Ion	Ratio	Lower	Upper
164	100		
129	68.3	67.8	125.8
131	87.7	65.9	122.5
166	160.2	88.8	164.8

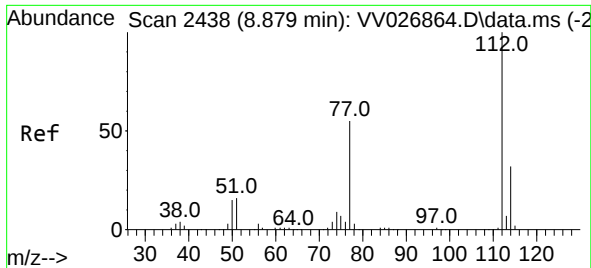


#49
 Dibromochloromethane
 Concen: 0.025 ug/L
 RT: 8.252 min Scan# 2243
 Delta R.T. 0.010 min
 Lab File: VV026876.D
 Acq: 21 Jul 2022 15:56

Tgt Ion:129 Resp: 381

Ion	Ratio	Lower	Upper
129	100		
127	31.2	55.7	103.5#

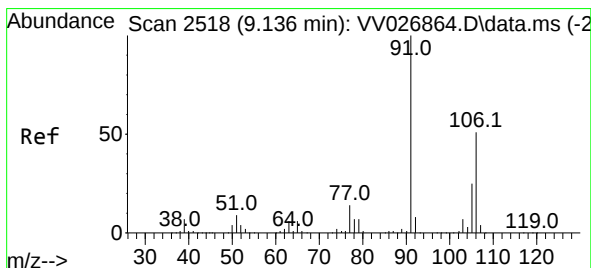
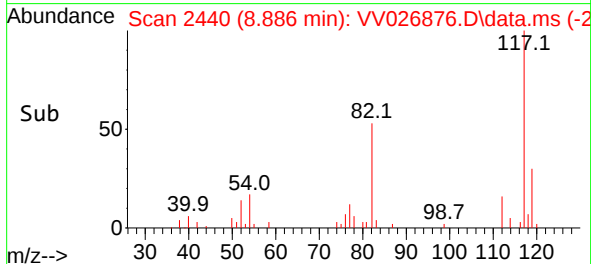
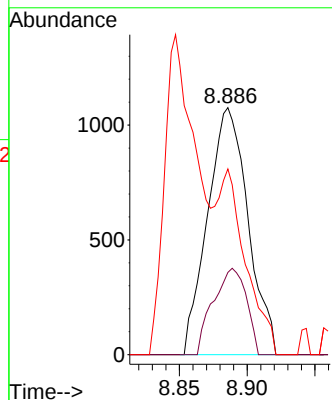
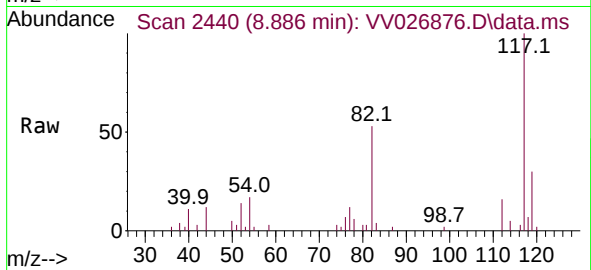




#51
Chlorobenzene
Concen: 0.045 ug/L
RT: 8.886 min Scan# 2438
Delta R.T. 0.007 min
Lab File: VV026876.D
Acq: 21 Jul 2022 15:56

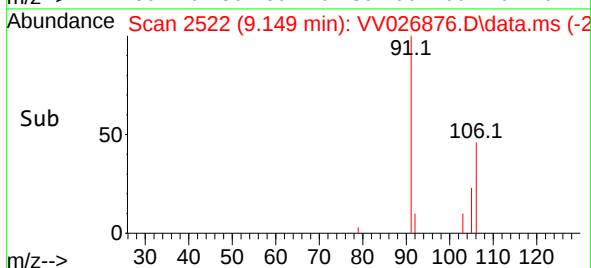
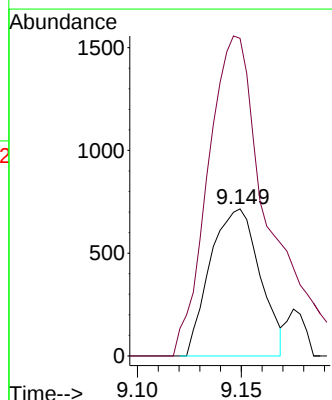
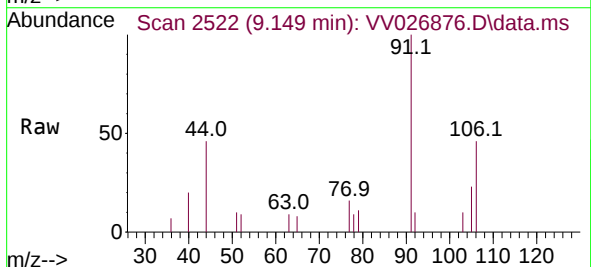
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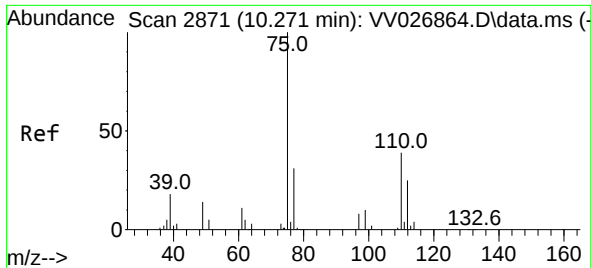
Tgt Ion:112 Resp: 2229
Ion Ratio Lower Upper
112 100
114 33.3 22.7 42.1
77 75.2 46.6 70.0#



#53
m,p-Xylene
Concen: 0.040 ug/L
RT: 9.149 min Scan# 2522
Delta R.T. 0.013 min
Lab File: VV026876.D
Acq: 21 Jul 2022 15:56

Tgt Ion:106 Resp: 1190
Ion Ratio Lower Upper
106 100
91 216.1 139.3 258.7

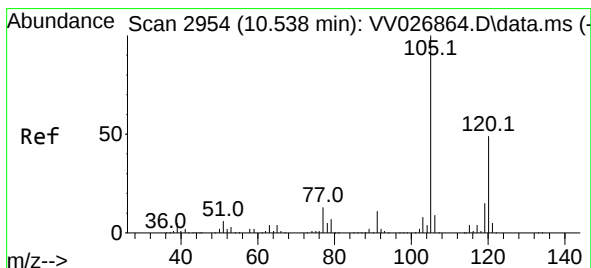
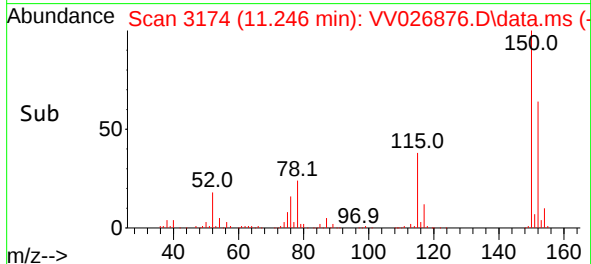
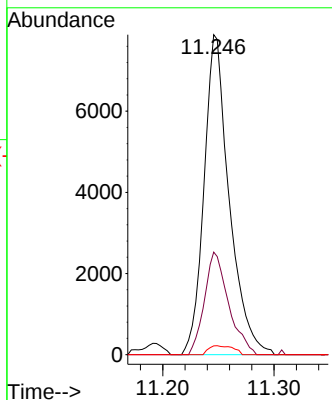
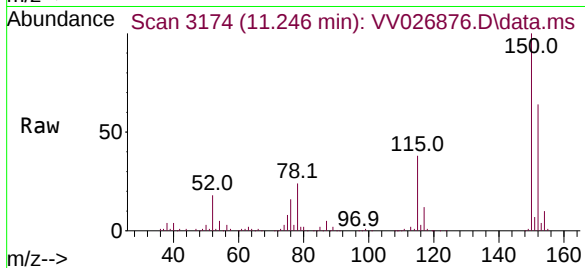




#61
1,2,3-Trichloropropane
Concen: 1.369 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV026876.D
Acq: 21 Jul 2022 15:56

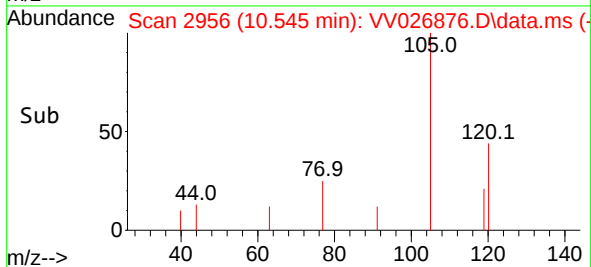
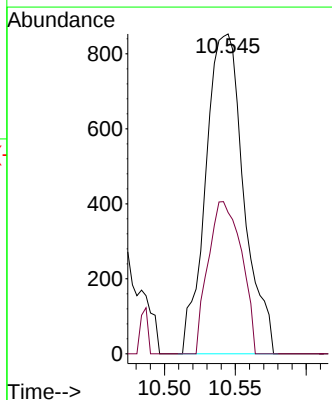
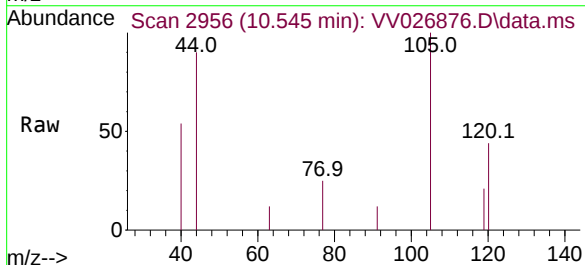
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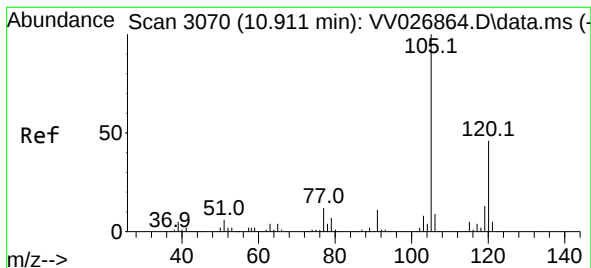
Tgt Ion: 75 Resp: 12393
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.0
110 2.7 31.8 47.6#



#62
1,3,5-Trimethylbenzene
Concen: 0.033 ug/L
RT: 10.545 min Scan# 2956
Delta R.T. 0.007 min
Lab File: VV026876.D
Acq: 21 Jul 2022 15:56

Tgt Ion: 105 Resp: 1595
Ion Ratio Lower Upper
105 100
120 41.6 39.6 59.4





#63

1,2,4-Trimethylbenzene

Concen: 0.060 ug/L

RT: 10.918 min Scan# 3070

Delta R.T. 0.007 min

Lab File: VV026876.D

Acq: 21 Jul 2022 15:56

Instrument :

MSVOA_V

ClientSampleId :

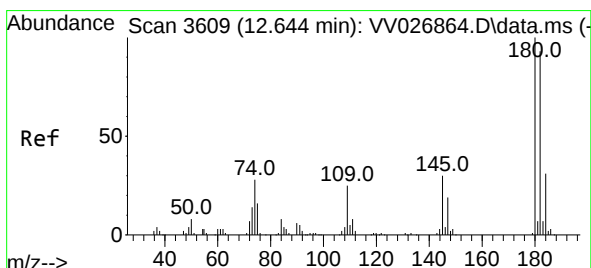
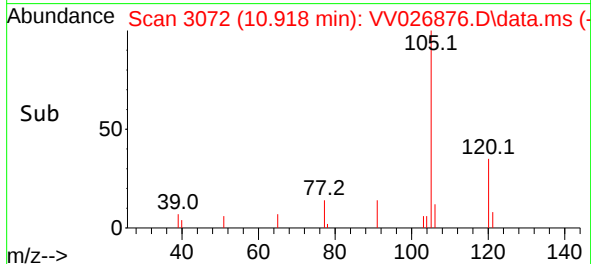
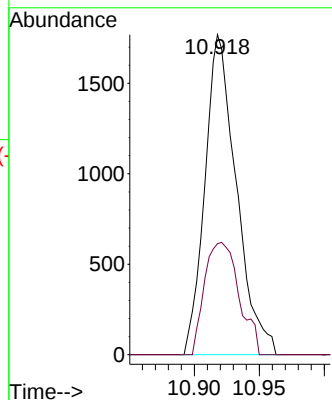
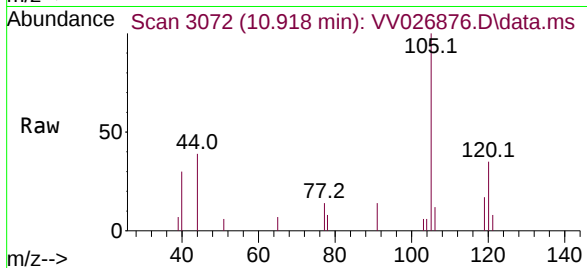
VHBLK001

Tgt Ion:105 Resp: 2972

Ion Ratio Lower Upper

105 100

120 38.5 36.8 55.2



#69

1,3,5-Trichlorobenzene

Concen: 0.088 ug/L

RT: 12.651 min Scan# 3611

Delta R.T. 0.007 min

Lab File: VV026876.D

Acq: 21 Jul 2022 15:56

Tgt Ion:180 Resp: 1857

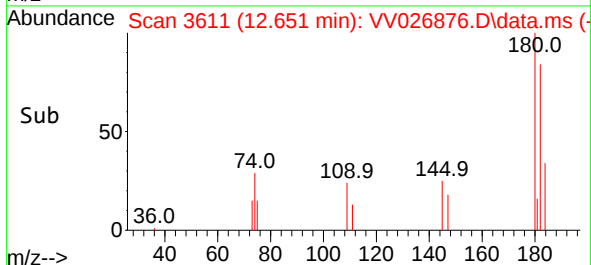
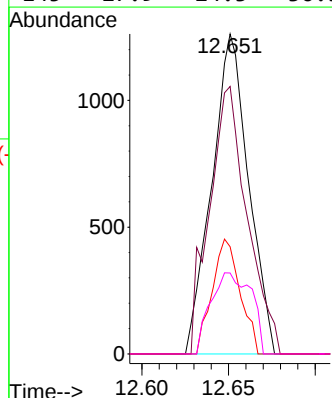
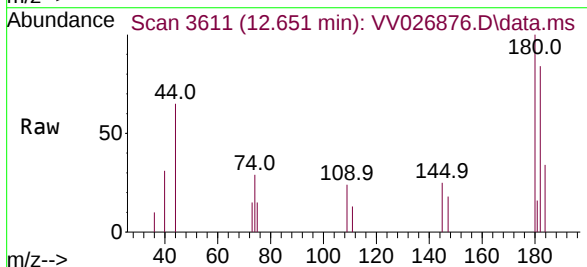
Ion Ratio Lower Upper

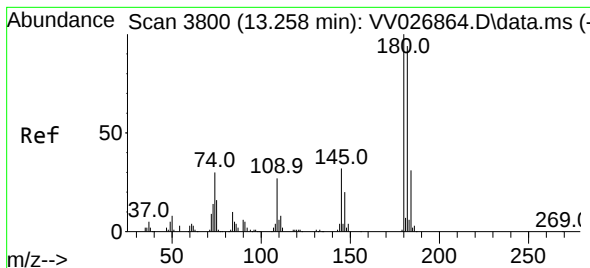
180 100

182 85.9 74.0 111.0

184 27.4 23.1 34.7

145 27.9 24.3 36.5





#70

1,2,4-trichlorobenzene

Concen: 0.135 ug/L

RT: 13.265 min Scan# 3802

Delta R.T. 0.007 min

Lab File: VV026876.D

Acq: 21 Jul 2022 15:56

Instrument :

MSVOA_V

ClientSampleId :

VHBLK001

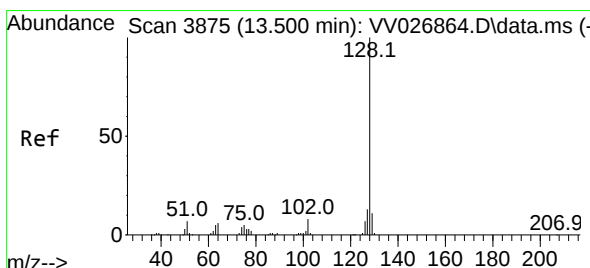
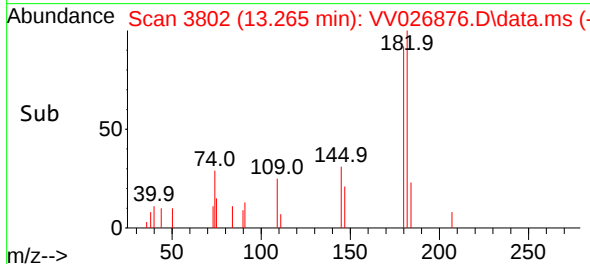
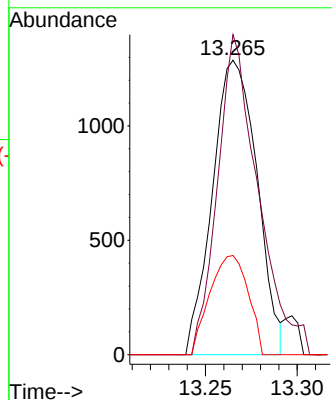
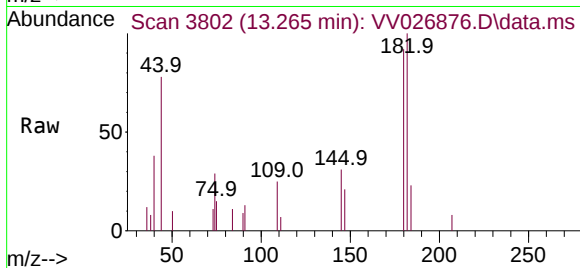
Tgt Ion:180 Resp: 2176

Ion Ratio Lower Upper

180 100

182 98.8 74.7 112.1

145 28.9 24.7 37.1



#71

Naphthalene

Concen: 0.308 ug/L

RT: 13.509 min Scan# 3878

Delta R.T. 0.010 min

Lab File: VV026876.D

Acq: 21 Jul 2022 15:56

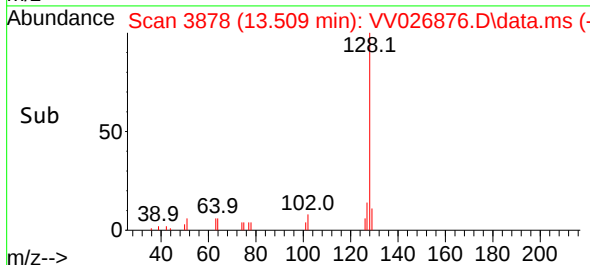
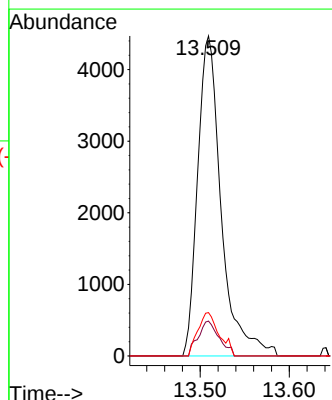
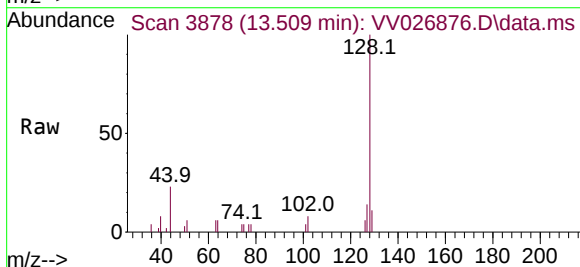
Tgt Ion:128 Resp: 8227

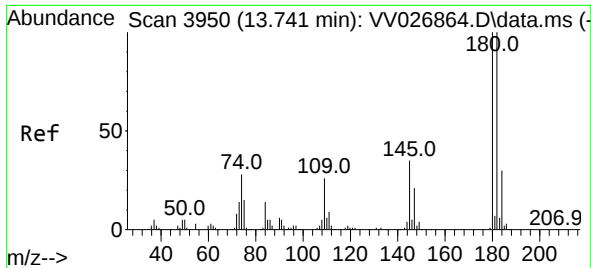
Ion Ratio Lower Upper

128 100

129 9.7 8.4 12.6

127 12.2 10.7 16.1





#72
 1,2,3-Trichlorobenzene
 Concen: 0.162 ug/L
 RT: 13.747 min Scan# 3952
 Delta R.T. 0.007 min
 Lab File: VV026876.D
 Acq: 21 Jul 2022 15:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VHBLK001

Tgt Ion:	180	Resp:	2438
Ion	Ratio	Lower	Upper
180	100		
182	83.9	75.0	112.4
145	28.8	26.0	39.0

