

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072022\
 Data File : VW026852.D
 Acq On : 20 Jul 2022 16:21
 Operator : SY/MD
 Sample : N3802-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GBHW8

Quant Time: Jul 21 01:51:10 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	218987	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	229603	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	93419	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	67438	3.376	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.600%
7) Chloroethane-d5	1.561	69	67212	3.894	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.800%
11) 1,1-Dichloroethene-d2	2.101	63	93716	2.443	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	48.800%#
20) 2-Butanone-d5	3.886	46	195936	62.840	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.680%
24) Chloroform-d	4.342	84	163056	4.668	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	5.031	65	74154	4.859	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
32) Benzene-d6	5.047	84	270082	3.871	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.400%
36) 1,2-Dichloropropane-d6	6.066	67	99792	4.770	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.400%
41) Toluene-d8	7.317	98	187101	3.021	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	60.400%#
43) trans-1,3-Dichloroprop...	7.625	79	24576	3.591	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.800%
46) 2-Hexanone-d5	8.088	63	140051	47.264	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.520%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	78326	4.806	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	79766	4.901	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						
2) Dichlorodifluoromethane	1.124	85	12126	0.436	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	105357	5.320	ug/L	98
12) 1,1-Dichloroethene	2.111	96	8712	0.454	ug/L #	1
18) trans-1,2-Dichloroethene	2.761	96	902	0.051	ug/L	80
19) 1,1-Dichloroethane	3.191	63	2163	0.067	ug/L	96
22) cis-1,2-Dichloroethene	3.905	96	91061	5.116	ug/L	93
25) Chloroform	4.375	83	2291	0.068	ug/L #	69
29) 1,1,1-Trichloroethane	4.593	97	854	0.028	ug/L #	70
34) Trichloroethene	5.908	95	640519	33.951	ug/L	98
35) Methylcyclohexane	6.066	83	24192	0.840	ug/L #	19
37) 1,2-Dichloropropane	6.069	63	10020	0.546	ug/L #	86
47) Tetrachloroethene	7.976	164	22111	1.494	ug/L	97
49) Dibromochloromethane	7.976	129	21419	1.385	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	11569	1.343	ug/L #	64
69) 1,3,5-Trichlorobenzene	12.648	180	1637	0.081	ug/L #	89
70) 1,2,4-Trichlorobenzene	13.265	180	2241	0.146	ug/L #	94
72) 1,2,3-Trichlorobenzene	13.747	180	1449	0.101	ug/L	90

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QLast Update : Thu Jul 21 01:47:16 2022
Response via : Initial Calibration

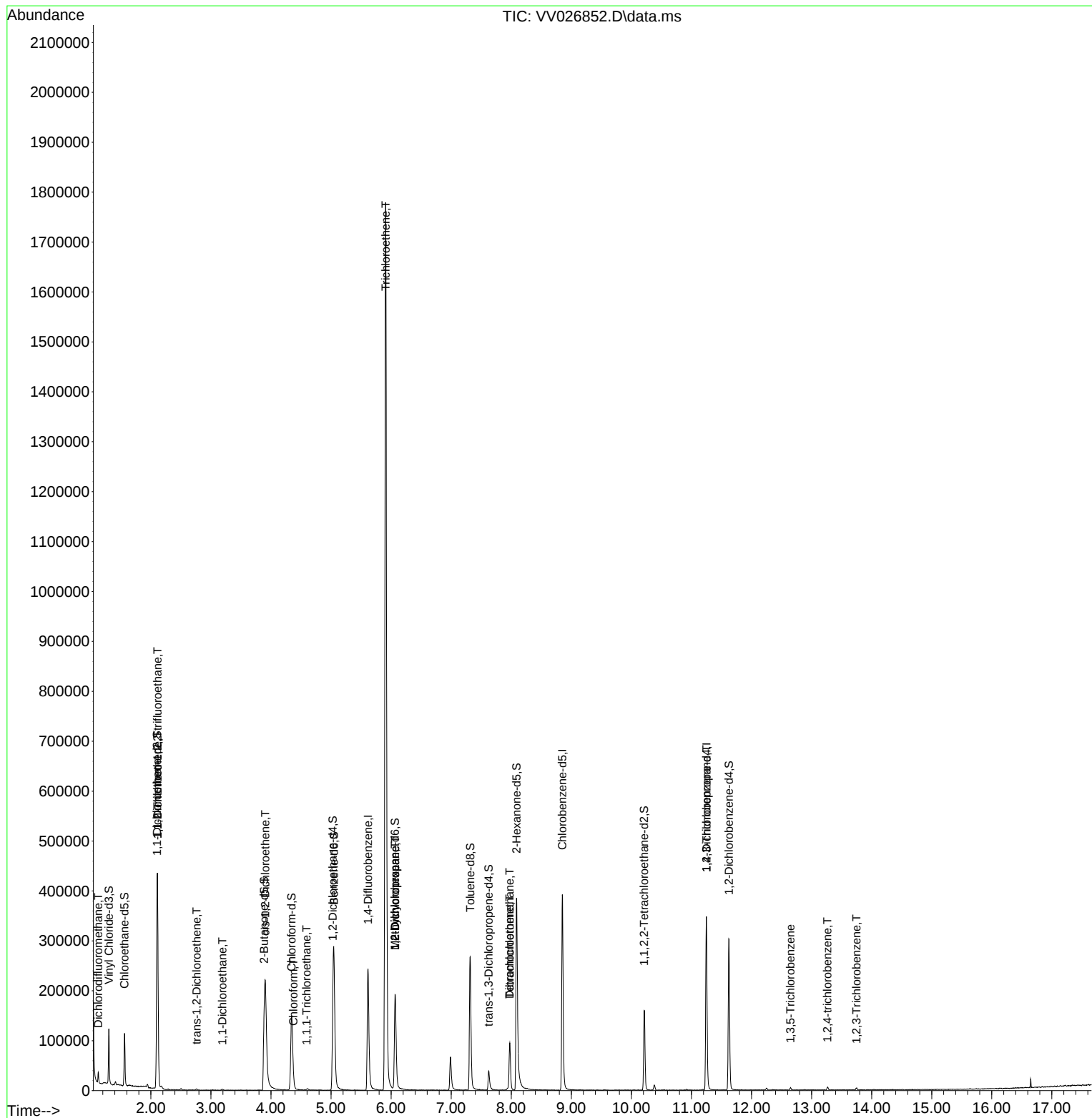
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

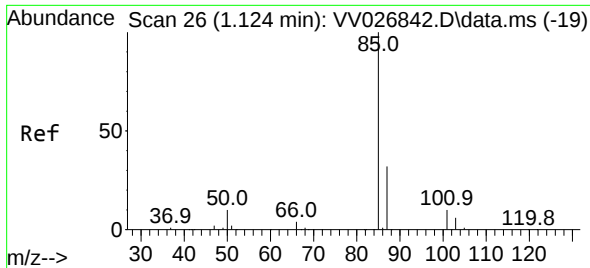
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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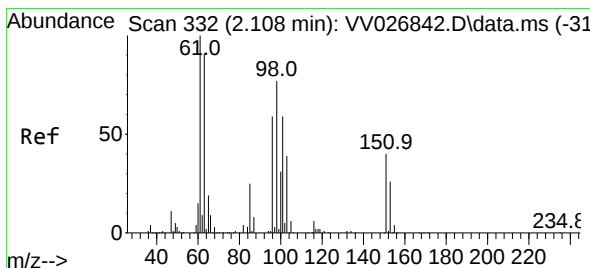
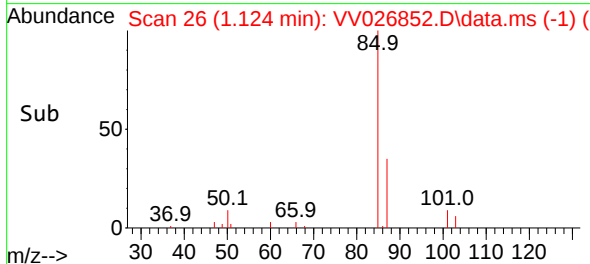
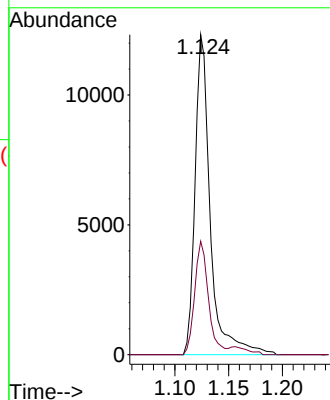
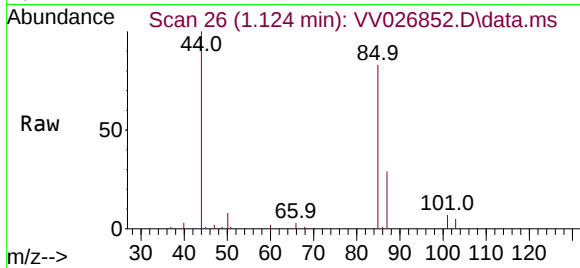




#2
 Dichlorodifluoromethane
 Concen: 0.436 ug/L
 RT: 1.124 min Scan# 2
 Delta R.T. -0.000 min
 Lab File: VV026852.D
 Acq: 20 Jul 2022 16:21

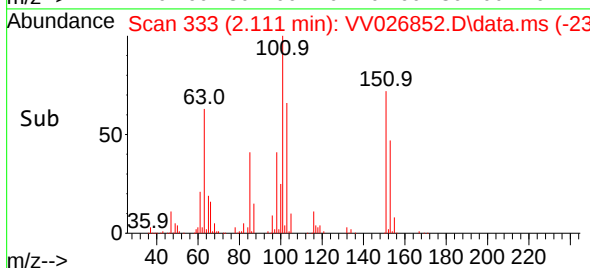
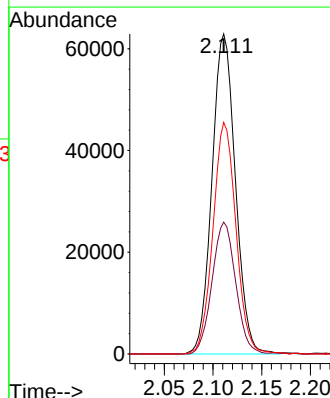
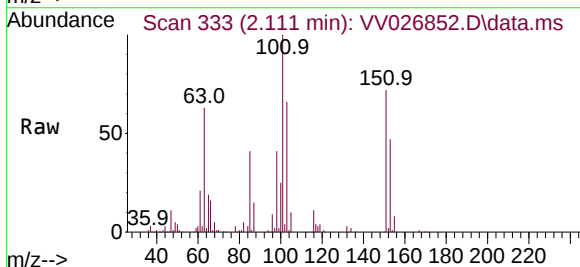
Instrument :
 MSVOA_V
 ClientSampleId :
 GBHW8

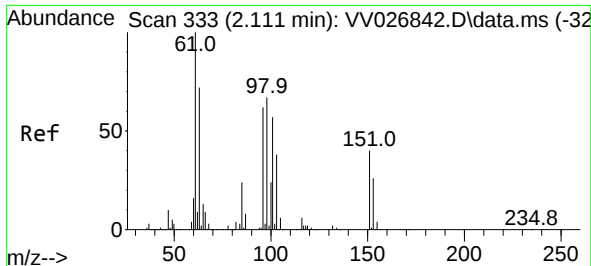
Tgt Ion: 85 Resp: 12126
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.8 38.8



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.320 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. 0.003 min
 Lab File: VV026852.D
 Acq: 20 Jul 2022 16:21

Tgt Ion:101 Resp: 105357
 Ion Ratio Lower Upper
 101 100
 85 41.5 35.0 52.4
 151 71.2 56.7 85.1





#12

1,1-Dichloroethene

Concen: 0.454 ug/L

RT: 2.111 min Scan# 311

Delta R.T. -0.000 min

Lab File: VV026852.D

Acq: 20 Jul 2022 16:21

Instrument :

MSVOA_V

ClientSampleId :

GBHW8

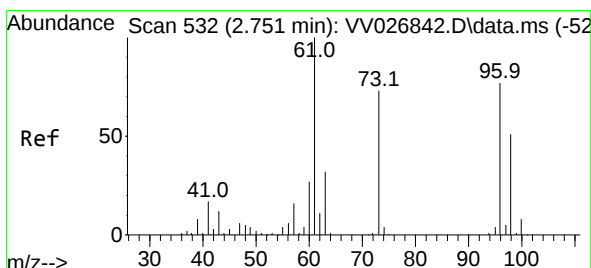
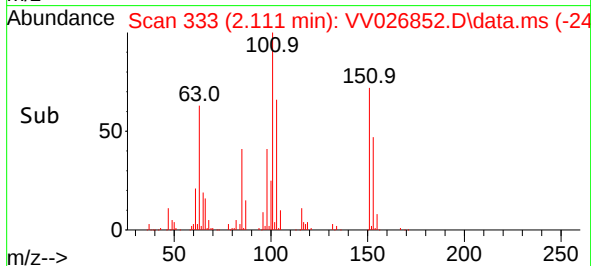
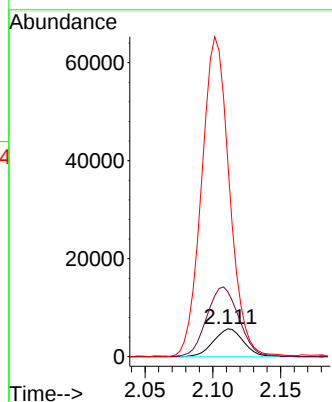
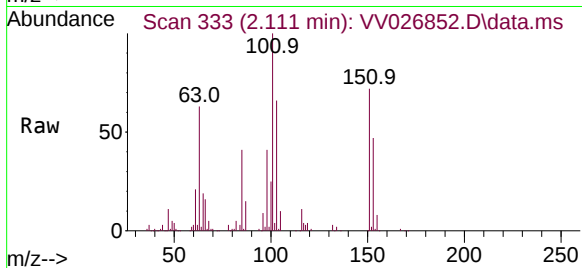
Tgt Ion: 96 Resp: 8712

Ion Ratio Lower Upper

96 100

61 232.8 118.3 219.7#

63 695.7 79.9 148.3#



#18

trans-1,2-Dichloroethene

Concen: 0.051 ug/L

RT: 2.761 min Scan# 535

Delta R.T. 0.010 min

Lab File: VV026852.D

Acq: 20 Jul 2022 16:21

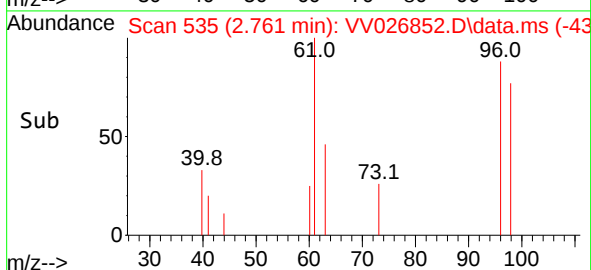
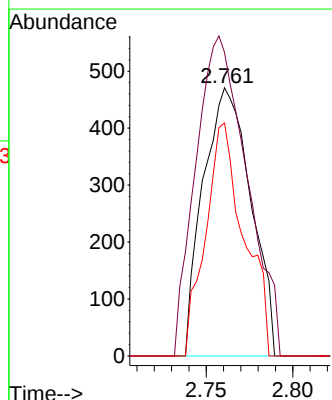
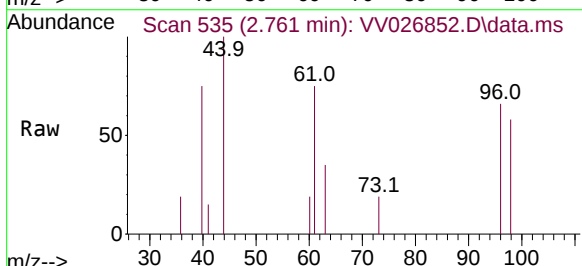
Tgt Ion: 96 Resp: 902

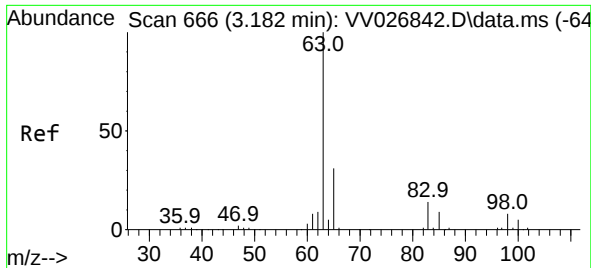
Ion Ratio Lower Upper

96 100

61 113.2 94.7 175.9

98 86.8 47.4 88.0





#19

1,1-Dichloroethane

Concen: 0.067 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.010 min

Lab File: VV026852.D

Acq: 20 Jul 2022 16:21

Instrument :

MSVOA_V

ClientSampleId :

GBHW8

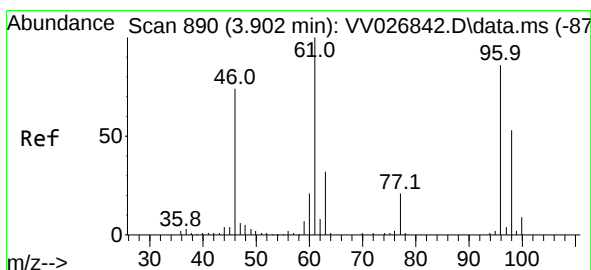
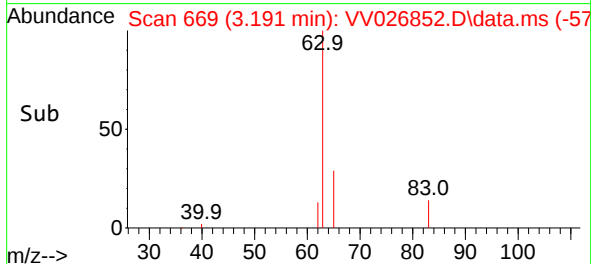
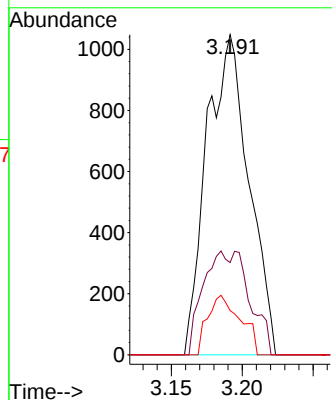
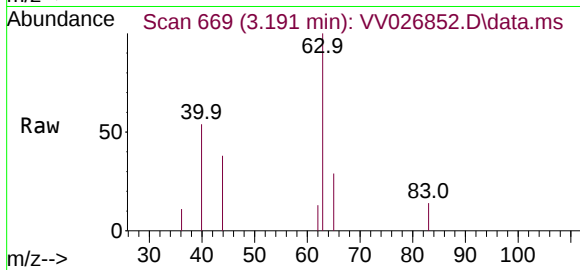
Tgt Ion: 63 Resp: 2163

Ion Ratio Lower Upper

63 100

65 28.8 22.3 41.3

83 13.8 9.9 18.5



#22

cis-1,2-Dichloroethene

Concen: 5.116 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV026852.D

Acq: 20 Jul 2022 16:21

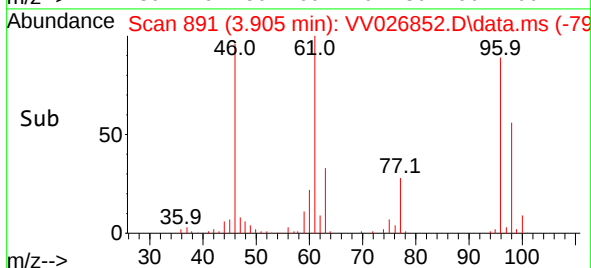
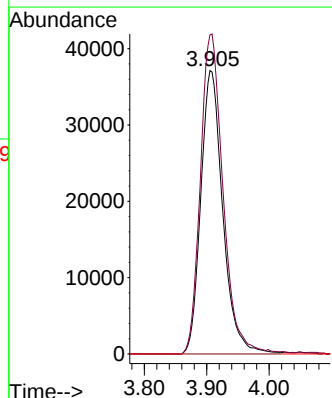
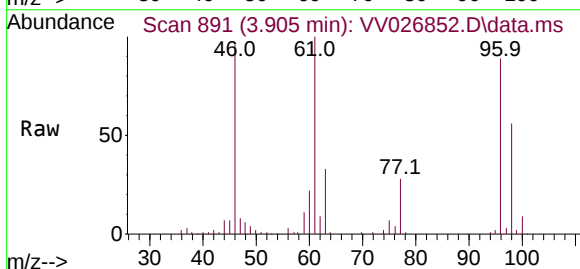
Tgt Ion: 96 Resp: 91061

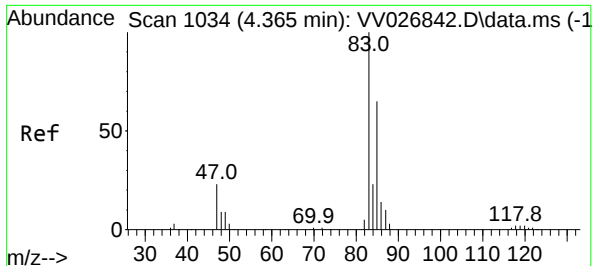
Ion Ratio Lower Upper

96 100

61 112.6 83.9 155.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.068 ug/L

RT: 4.375 min Scan# 1105

Delta R.T. 0.010 min

Lab File: VV026852.D

Acq: 20 Jul 2022 16:21

Instrument :

MSVOA_V

ClientSampleId :

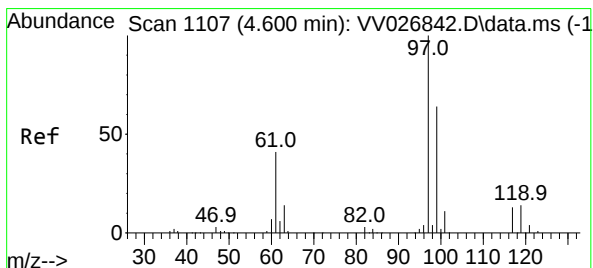
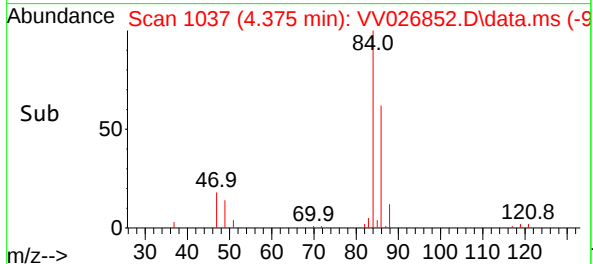
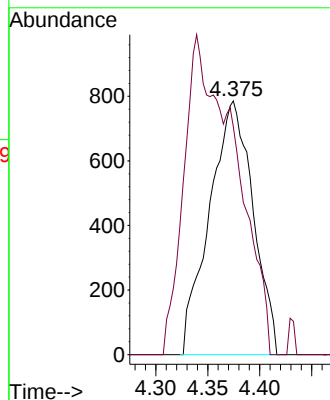
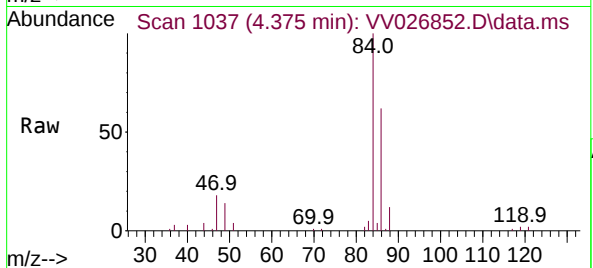
GBHW8

Tgt Ion: 83 Resp: 2291

Ion Ratio Lower Upper

83 100

85 89.8 45.7 84.9#



#29

1,1,1-Trichloroethane

Concen: 0.028 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.007 min

Lab File: VV026852.D

Acq: 20 Jul 2022 16:21

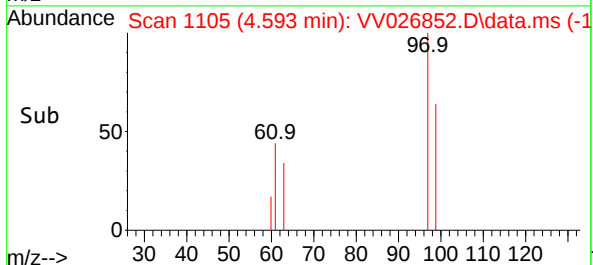
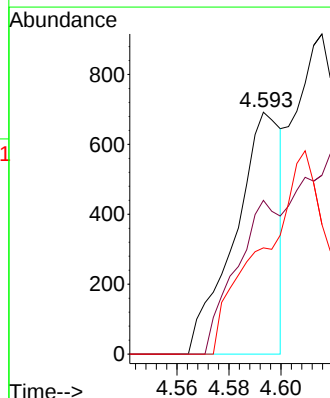
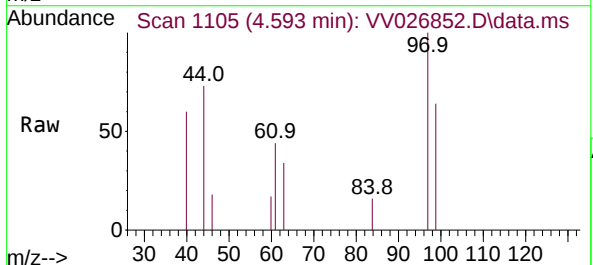
Tgt Ion: 97 Resp: 854

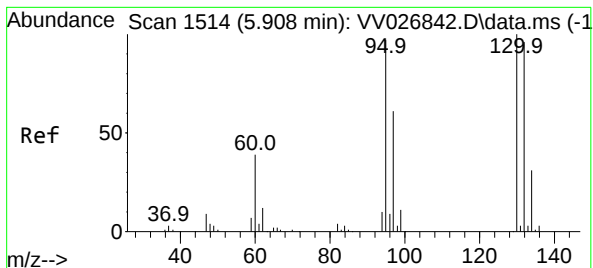
Ion Ratio Lower Upper

97 100

99 60.7 51.3 76.9

61 0.0 35.1 52.7#





#34

Trichloroethene

Concen: 33.951 ug/L

RT: 5.908 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV026852.D

Acq: 20 Jul 2022 16:21

Instrument :

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ClientSampleId :

GBHW8

Tgt Ion: 95 Resp: 640519

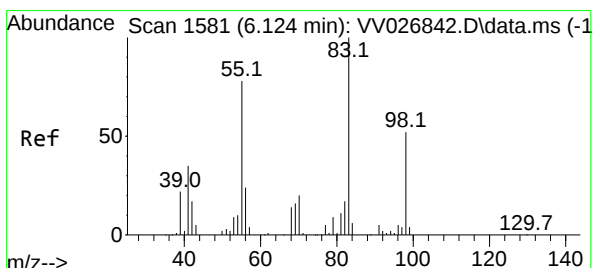
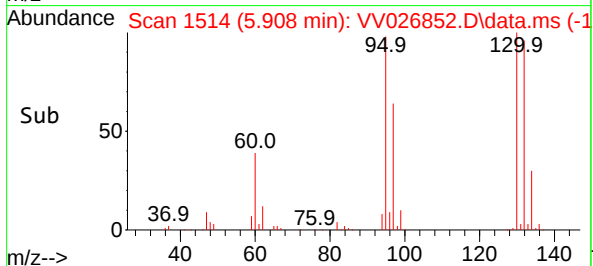
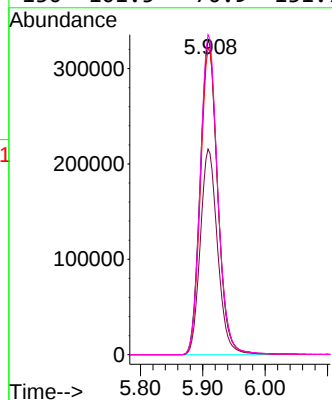
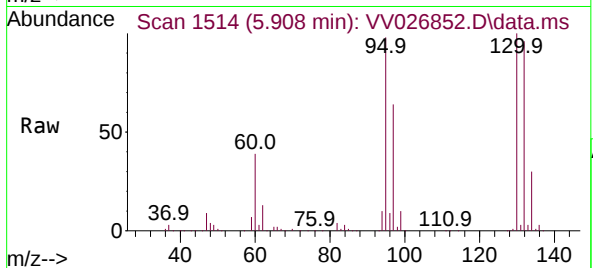
Ion Ratio Lower Upper

95 100

97 65.2 44.6 82.8

132 97.1 70.2 130.4

130 101.5 70.9 131.7



#35

Methylcyclohexane

Concen: 0.840 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.058 min

Lab File: VV026852.D

Acq: 20 Jul 2022 16:21

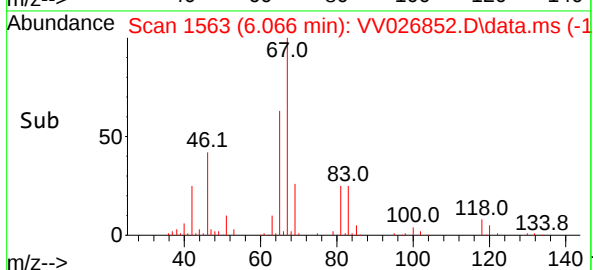
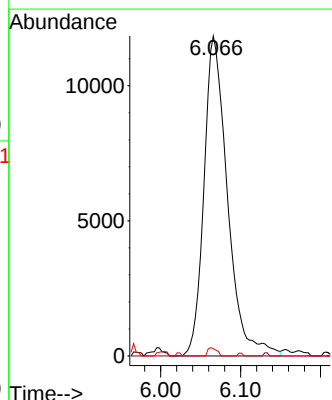
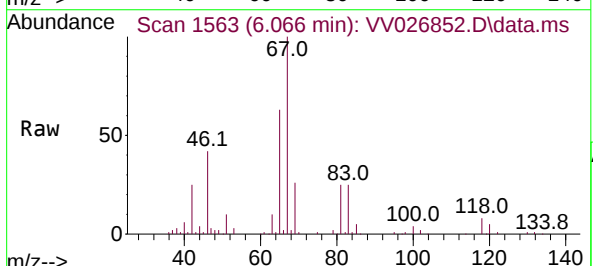
Tgt Ion: 83 Resp: 24192

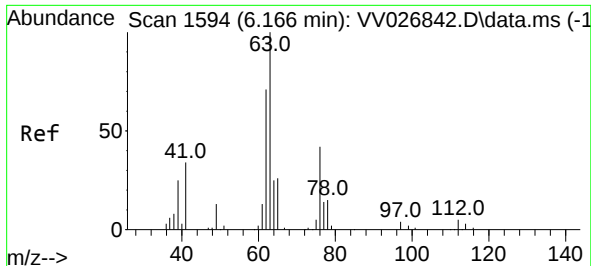
Ion Ratio Lower Upper

83 100

55 0.2 59.5 89.3#

98 0.0 38.3 57.5#





#37

1,2-Dichloropropane

Concen: 0.546 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.097 min

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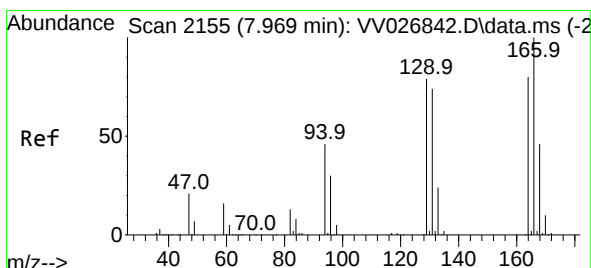
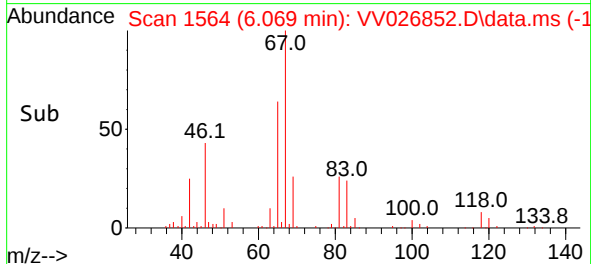
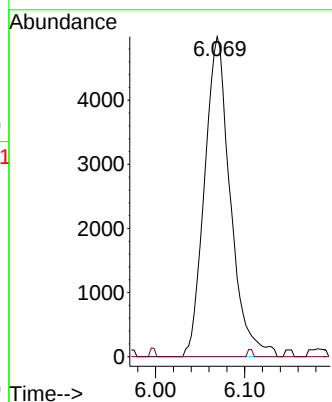
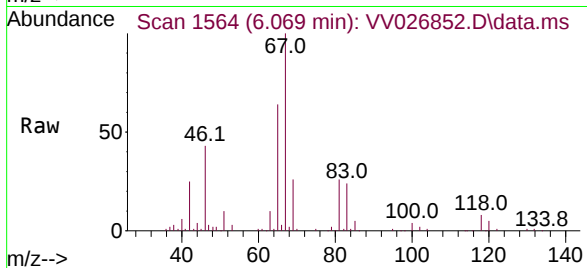
GBHW8

Tgt Ion: 63 Resp: 10020

Ion Ratio Lower Upper

63 100

112 0.4 4.2 6.2#



#47

Tetrachloroethene

Concen: 1.494 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.006 min

Lab File: VV026852.D

Acq: 20 Jul 2022 16:21

Tgt Ion: 164 Resp: 22111

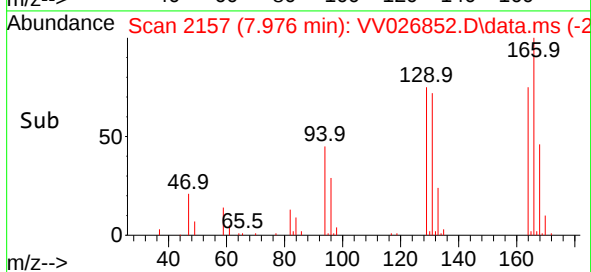
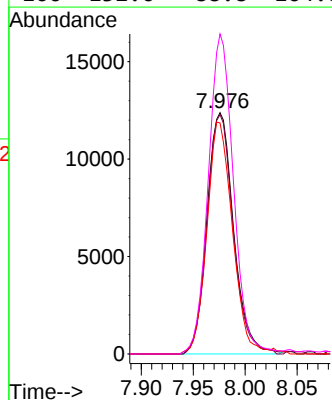
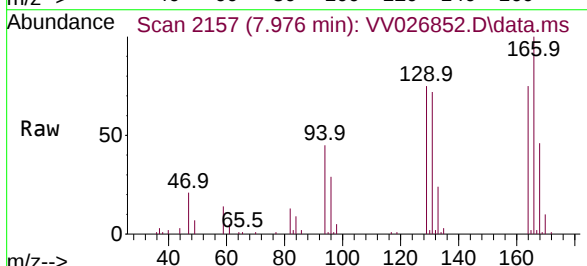
Ion Ratio Lower Upper

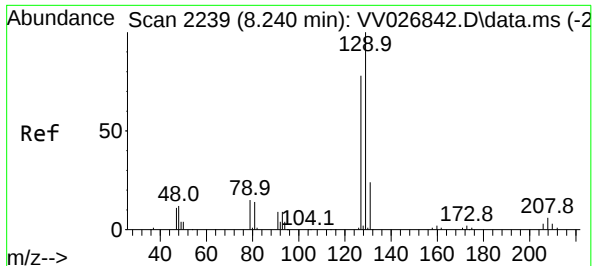
164 100

129 99.2 67.8 125.8

131 95.7 65.9 122.5

166 132.6 88.8 164.8





#49

Dibromochloromethane

Concen: 1.385 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.264 min

Lab File: VV026852.D

Acq: 20 Jul 2022 16:21

Instrument :

MSVOA_V

ClientSampleId :

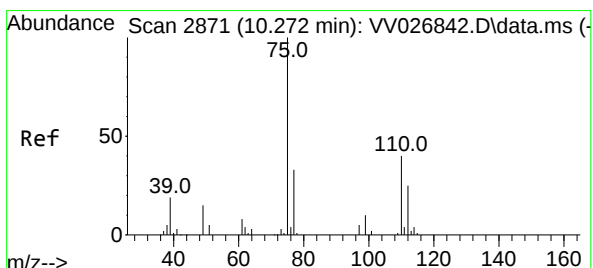
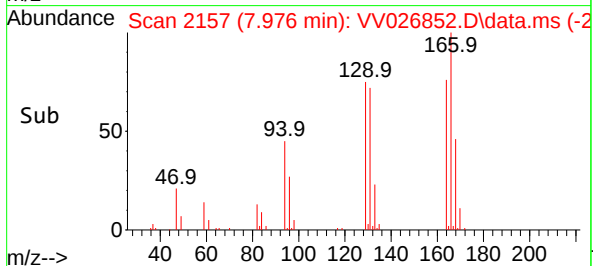
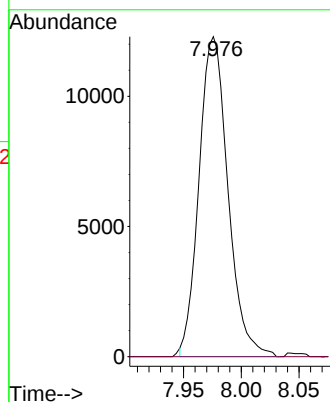
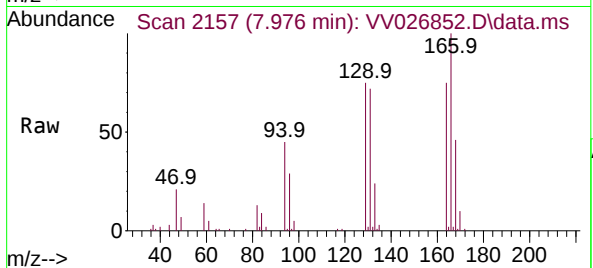
GBHW8

Tgt Ion:129 Resp: 21419

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#61

1,2,3-Trichloropropane

Concen: 1.343 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV026852.D

Acq: 20 Jul 2022 16:21

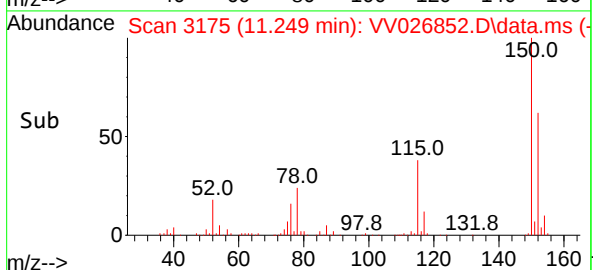
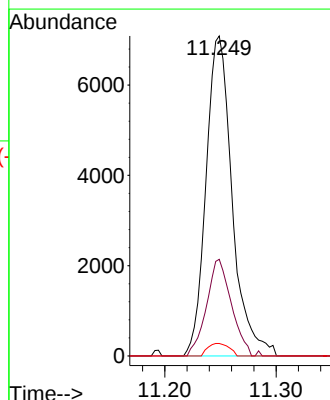
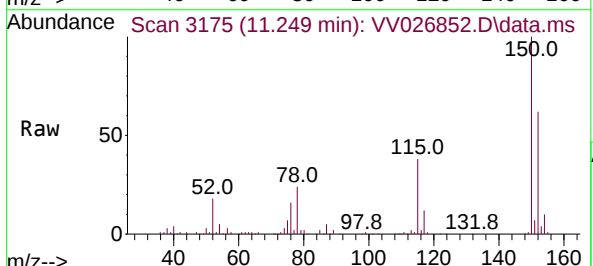
Tgt Ion: 75 Resp: 11569

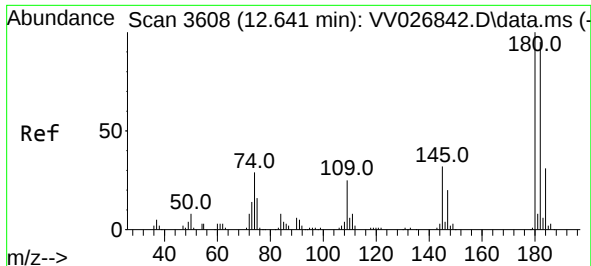
Ion Ratio Lower Upper

75 100

77 28.6 25.4 38.0

110 3.2 31.8 47.6#





#69

1,3,5-Trichlorobenzene

Concen: 0.081 ug/L

RT: 12.648 min Scan# 3610

Delta R.T. 0.006 min

Lab File: VV026852.D

Acq: 20 Jul 2022 16:21

Instrument :

MSVOA_V

ClientSampleId :

GBHW8

Tgt Ion:180 Resp: 1637

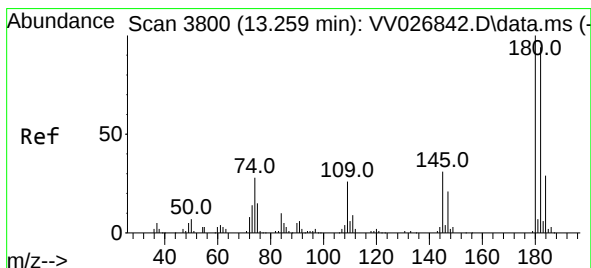
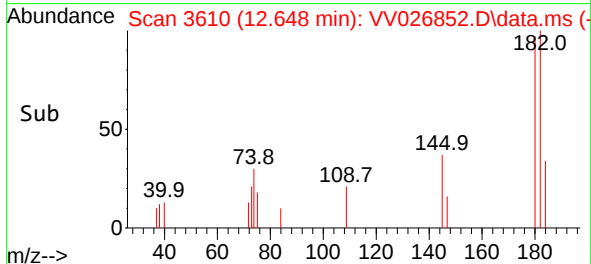
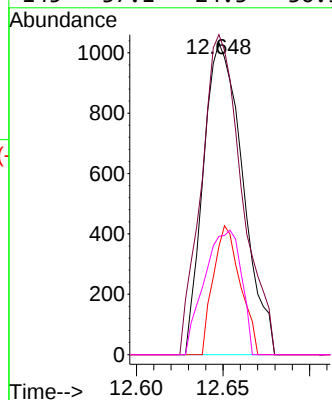
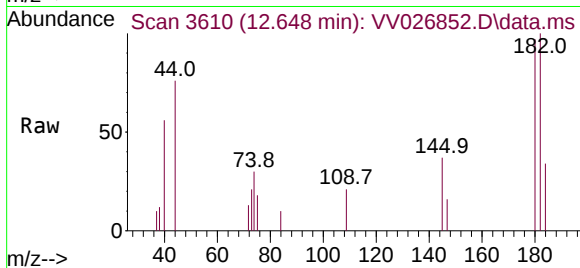
Ion Ratio Lower Upper

180 100

182 105.4 74.0 111.0

184 28.3 23.1 34.7

145 37.1 24.3 36.5#



#70

1,2,4-trichlorobenzene

Concen: 0.146 ug/L

RT: 13.265 min Scan# 3802

Delta R.T. 0.006 min

Lab File: VV026852.D

Acq: 20 Jul 2022 16:21

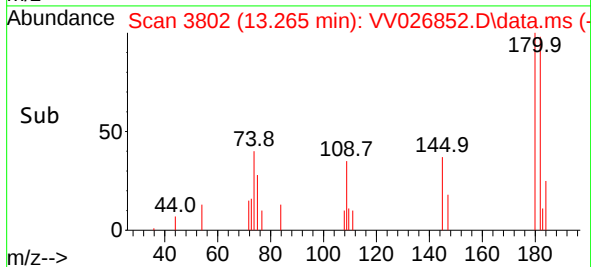
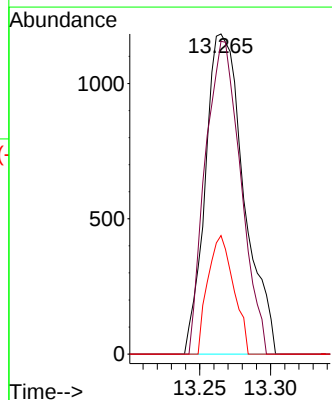
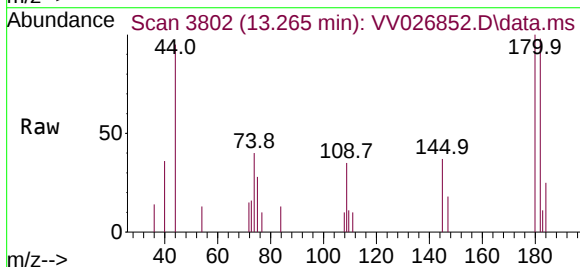
Tgt Ion:180 Resp: 2241

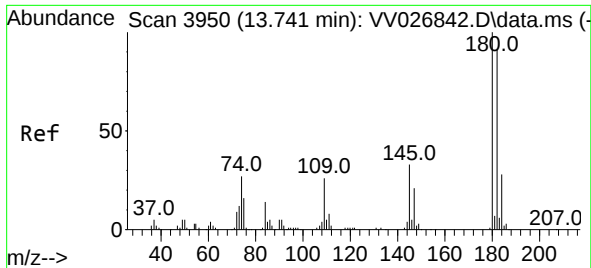
Ion Ratio Lower Upper

180 100

182 89.4 74.7 112.1

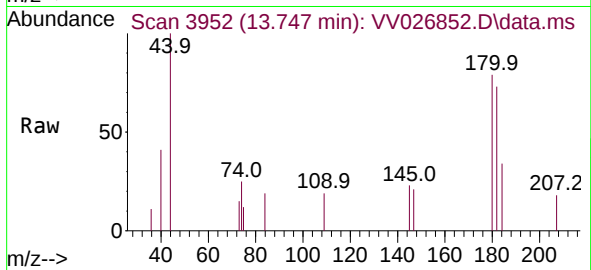
145 24.6 24.7 37.1#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.101 ug/L
 RT: 13.747 min Scan# 3952
 Delta R.T. 0.006 min
 Lab File: VV026852.D
 Acq: 20 Jul 2022 16:21

Instrument :
 MSVOA_V
 ClientSampleId :
 GBHW8



Tgt Ion:	180	Resp:	1449
Ion	Ratio	Lower	Upper
180	100		
182	105.1	75.0	112.4
145	29.3	26.0	39.0

