

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032322\
 Data File : VW025139.D
 Acq On : 23 Mar 2022 18:16
 Operator : SY/MD
 Sample : N2083-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 24 01:18:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 24 01:12:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	124470	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	118978	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	52746	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	38644	3.933	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	78.600%	
7) Chloroethane-d5	1.571	69	34991	4.863	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	97.200%	
11) 1,1-Dichloroethene-d2	2.111	63	52469	3.304	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	66.000%	
20) 2-Butanone-d5	3.896	46	86698	73.003	ug/L	-0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	=	146.000%#	
24) Chloroform-d	4.349	84	84826	5.205	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	104.000%	
26) 1,2-Dichloroethane-d4	5.034	65	36109	5.299	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	106.000%	
32) Benzene-d6	5.053	84	164943	4.779	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.600%	
36) 1,2-Dichloropropane-d6	6.072	67	51243	5.163	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	103.200%	
41) Toluene-d8	7.317	98	137982	4.387	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	87.800%	
43) trans-1,3-Dichloroprop...	7.625	79	14191	4.102	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	82.000%	
46) 2-Hexanone-d5	8.088	63	72232	61.206	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	122.420%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	34880	5.974	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	119.400%	
66) 1,2-Dichlorobenzene-d4	11.622	152	47846	5.358	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	107.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	426	0.041	ug/L	88
5) Vinyl chloride	1.310	62	642	0.059	ug/L #	1
8) Chloroethane	1.510	64	224604	33.848	ug/L #	51
12) 1,1-Dichloroethene	2.121	96	2132	0.269	ug/L #	1
14) Carbon disulfide	2.298	76	3181	0.112	ug/L	98
16) Methylene chloride	2.510	84	66869	6.960	ug/L	100
19) 1,1-Dichloroethane	3.195	63	21988	1.354	ug/L	93
22) cis-1,2-Dichloroethene	3.934	96	312	0.032	ug/L	99
25) Chloroform	4.378	83	25389	1.501	ug/L	97
27) 1,2-Dichloroethane	5.140	62	8538	1.015	ug/L	98
29) 1,1,1-Trichloroethane	4.609	97	170025	11.206	ug/L	99
31) Carbon tetrachloride	4.609	117	22492	1.728	ug/L	97
34) Trichloroethene	5.915	95	94074	9.130	ug/L	99
35) Methylcyclohexane	6.069	83	12253	0.751	ug/L #	22
37) 1,2-Dichloropropane	6.069	63	5210	0.586	ug/L #	86
39) cis-1,3-Dichloropropene	6.989	75	964	0.078	ug/L #	72
42) Toluene	7.394	91	11128	0.275	ug/L	96
45) 1,1,2-Trichloroethane	7.969	97	1851	0.312	ug/L #	1
47) Tetrachloroethene	7.973	164	206341	28.465	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032322\
 Data File : VV025139.D
 Acq On : 23 Mar 2022 18:16
 Operator : SY/MD
 Sample : N2083-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 24 01:18:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 24 01:12:55 2022
 Response via : Initial Calibration

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

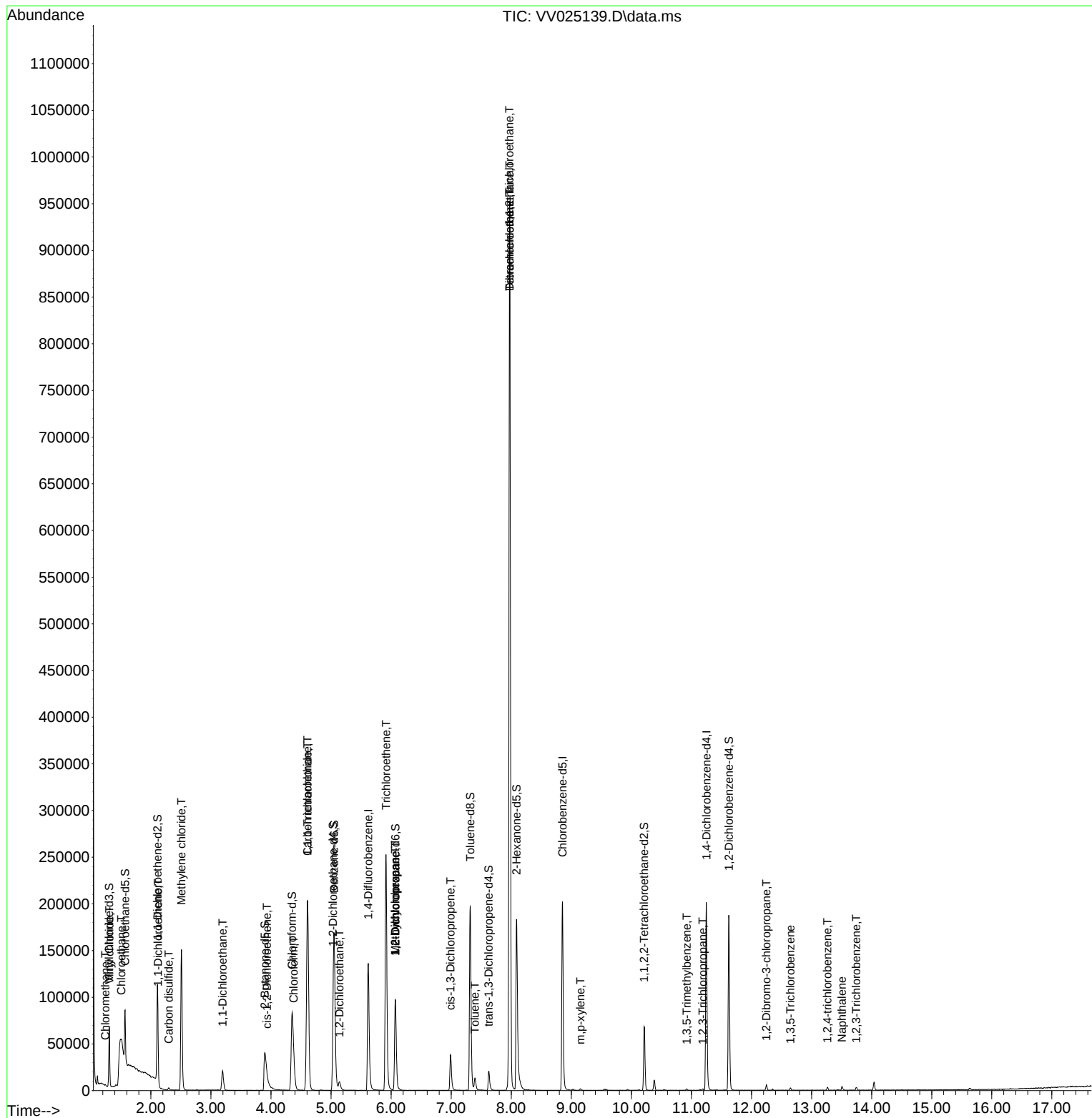
49) Dibromochloromethane	7.973	129	204675	30.783	ug/L #	10
53) m,p-xylene	9.149	106	728	0.044	ug/L	92
61) 1,2,3-Trichloropropane	11.188	75	273	0.062	ug/L #	54
62) 1,3,5-Trimethylbenzene	10.921	105	1190	0.066	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.246	75	131	0.172	ug/L #	1
69) 1,3,5-Trichlorobenzene	12.648	180	1081	0.089	ug/L #	89
70) 1,2,4-trichlorobenzene	13.265	180	1185	0.125	ug/L	92
71) Naphthalene	13.506	128	3919	0.249	ug/L #	95
72) 1,2,3-Trichlorobenzene	13.744	180	1265	0.157	ug/L #	95

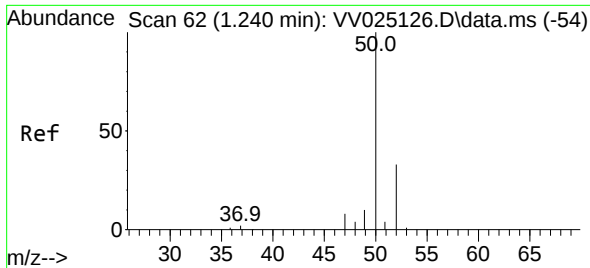
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032322\
Data File : VV025139.D
Acq On : 23 Mar 2022 18:16
Operator : SY/MD
Sample : N2083-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Mar 24 01:18:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 24 01:12:55 2022
Response via : Initial Calibration

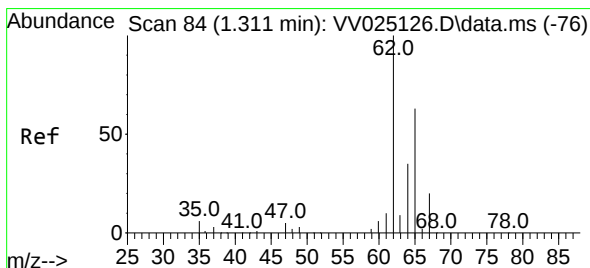
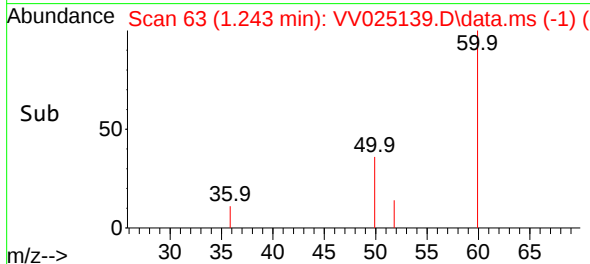
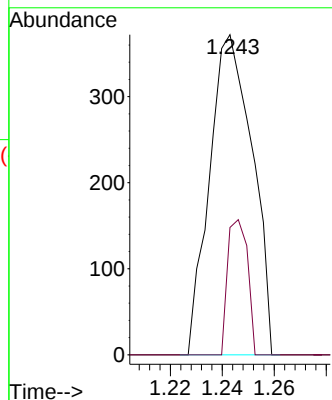
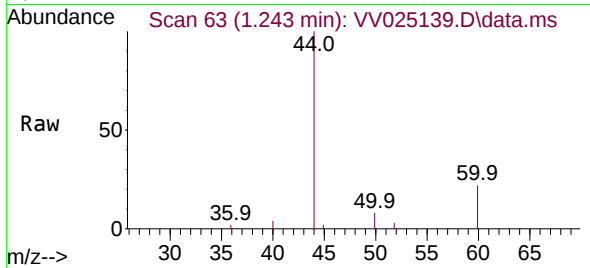




#3
Chloromethane
Concen: 0.041 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV025139.D
Acq: 23 Mar 2022 18:16

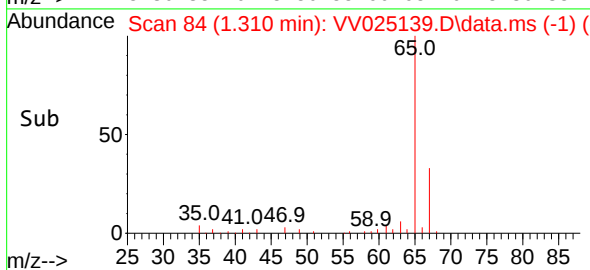
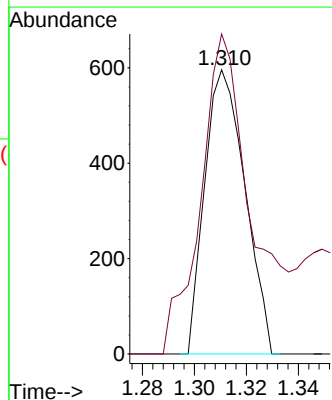
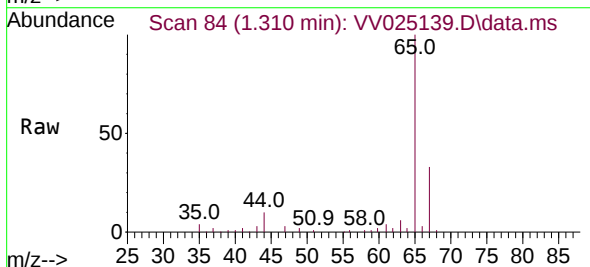
Instrument :
MSVOA_V
ClientSampleId :

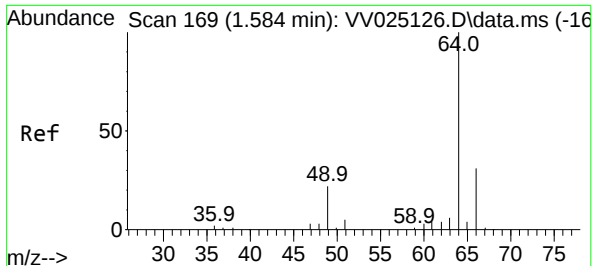
Tgt Ion: 50 Resp: 426
Ion Ratio Lower Upper
50 100
52 39.8 23.2 43.2



#5
Vinyl chloride
Concen: 0.059 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV025139.D
Acq: 23 Mar 2022 18:16

Tgt Ion: 62 Resp: 642
Ion Ratio Lower Upper
62 100
64 112.6 23.4 43.4#

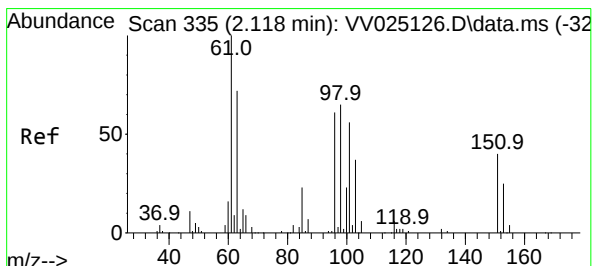
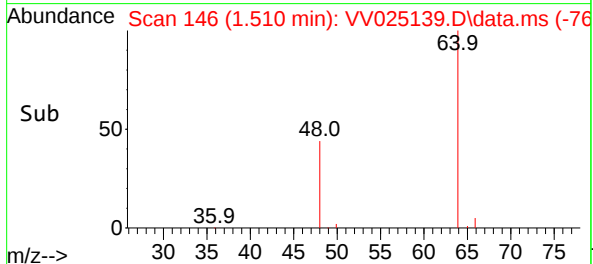
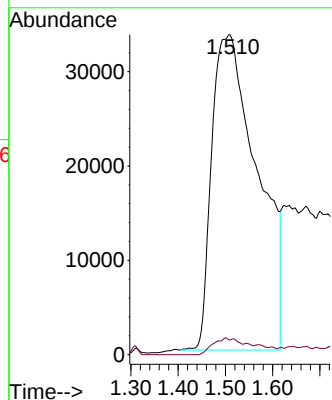
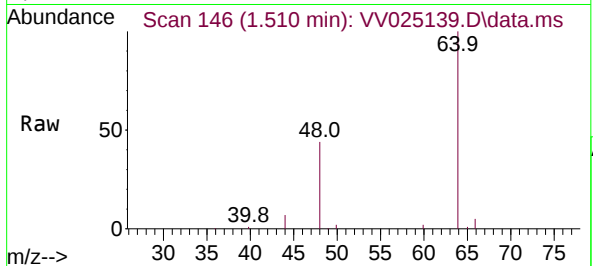




#8
Chloroethane
Concen: 33.848 ug/L
RT: 1.510 min Scan# 146
Delta R.T. -0.074 min
Lab File: VV025139.D
Acq: 23 Mar 2022 18:16

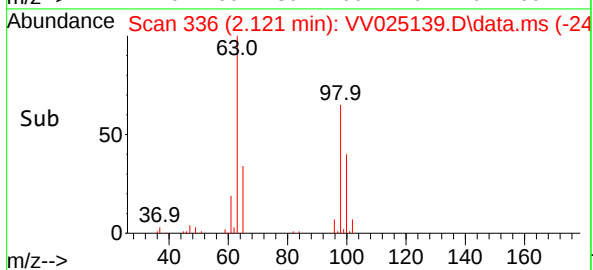
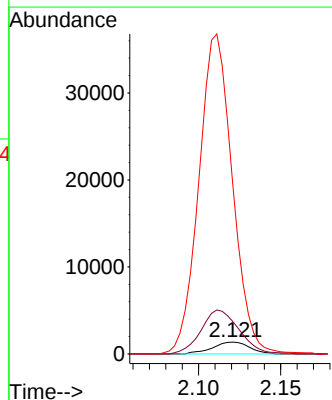
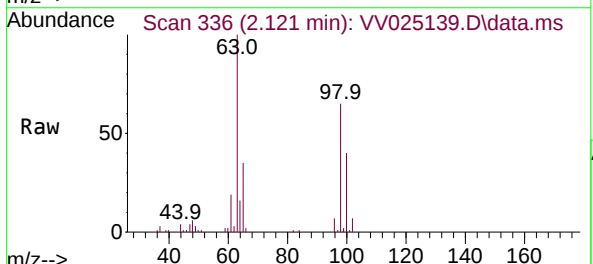
Instrument :
MSVOA_V
ClientSampleId :

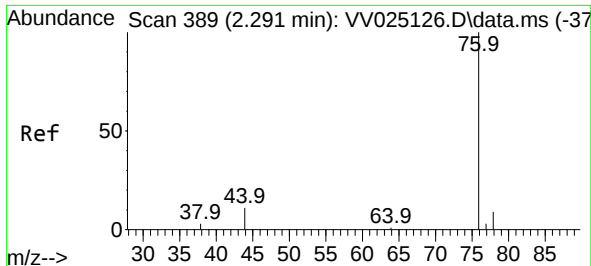
Tgt Ion: 64 Resp: 224604
Ion Ratio Lower Upper
64 100
66 4.6 22.5 41.7#



#12
1,1-Dichloroethene
Concen: 0.269 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV025139.D
Acq: 23 Mar 2022 18:16

Tgt Ion: 96 Resp: 2132
Ion Ratio Lower Upper
96 100
61 276.4 113.0 209.9#
63 1443.3 82.1 152.5#

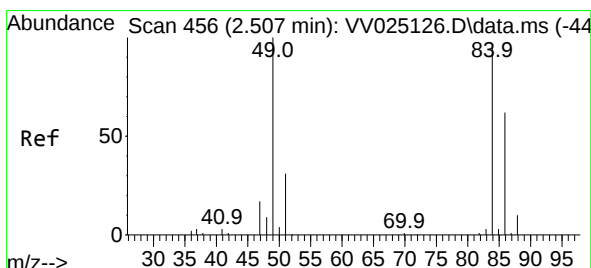
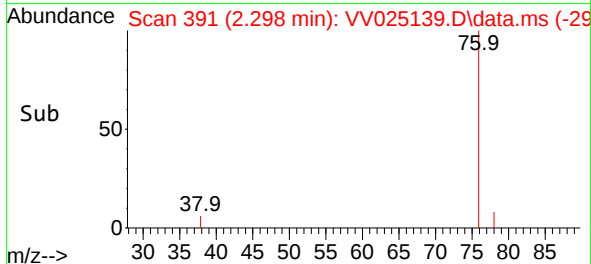
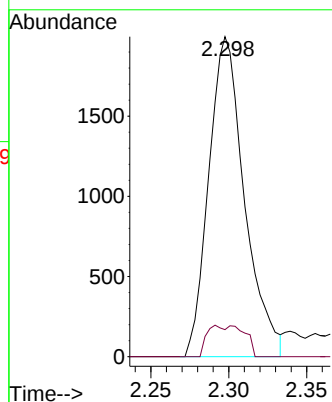
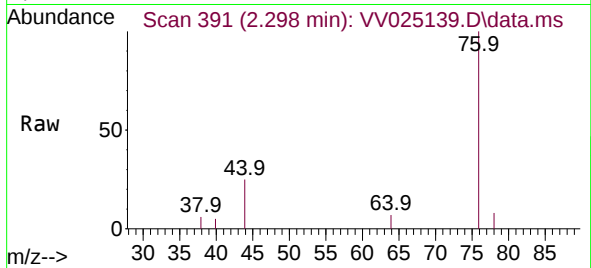




#14
Carbon disulfide
Concen: 0.112 ug/L
RT: 2.298 min Scan# 391
Delta R.T. 0.006 min
Lab File: VV025139.D
Acq: 23 Mar 2022 18:16

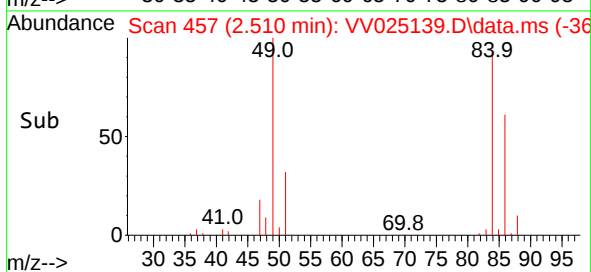
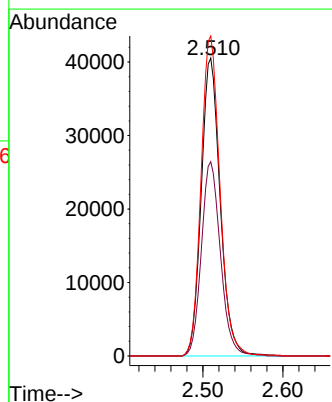
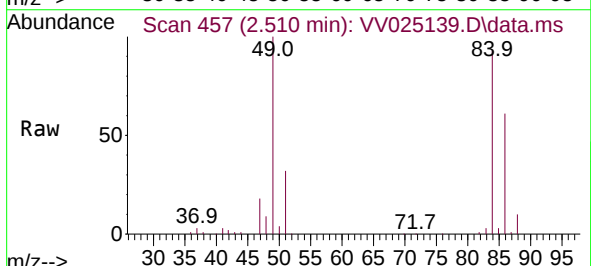
Instrument :
MSVOA_V
ClientSampleId :

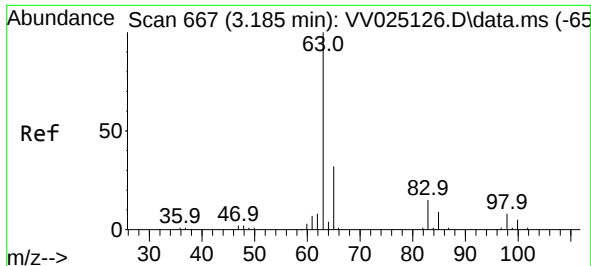
Tgt Ion: 76 Resp: 3181
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0



#16
Methylene chloride
Concen: 6.960 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.003 min
Lab File: VV025139.D
Acq: 23 Mar 2022 18:16

Tgt Ion: 84 Resp: 66869
Ion Ratio Lower Upper
84 100
86 65.2 45.5 84.5
49 107.4 75.0 139.2





#19

1,1-Dichloroethane

Concen: 1.354 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.010 min

Lab File: VV025139.D

Acq: 23 Mar 2022 18:16

Instrument :

MSVOA_V

ClientSampleId :

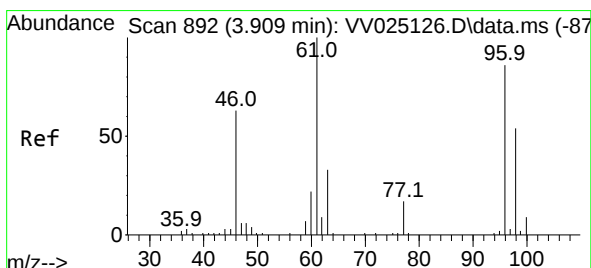
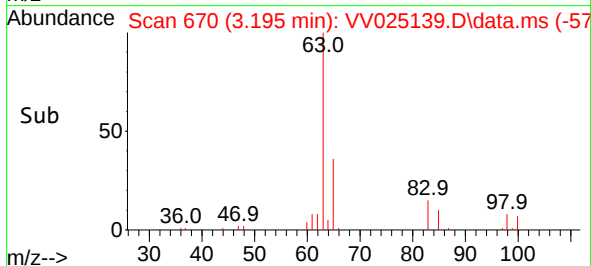
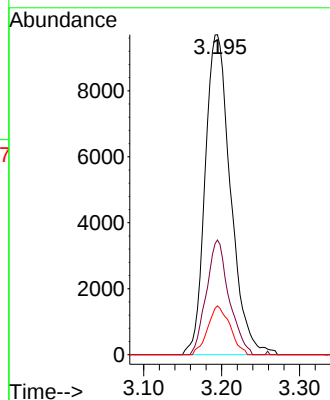
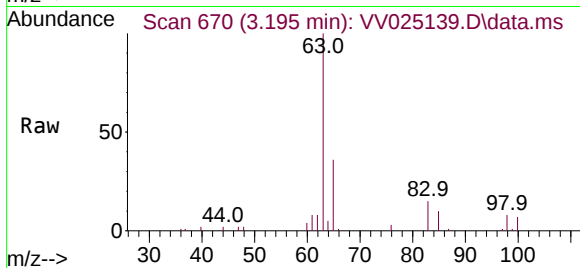
Tgt Ion: 63 Resp: 21988

Ion Ratio Lower Upper

63 100

65 35.9 22.2 41.2

83 15.3 9.4 17.4



#22

cis-1,2-Dichloroethene

Concen: 0.032 ug/L

RT: 3.934 min Scan# 900

Delta R.T. 0.026 min

Lab File: VV025139.D

Acq: 23 Mar 2022 18:16

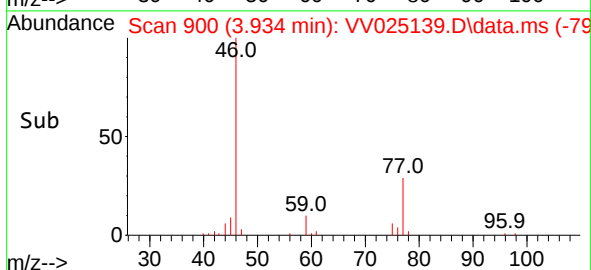
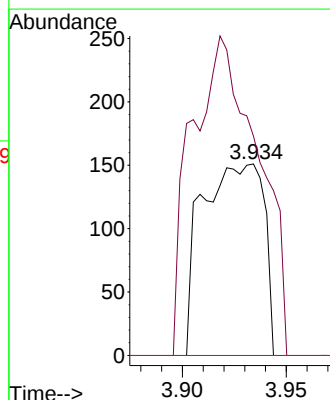
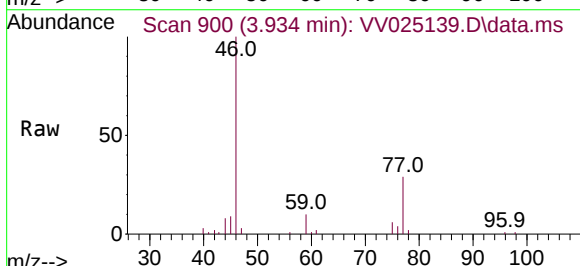
Tgt Ion: 96 Resp: 312

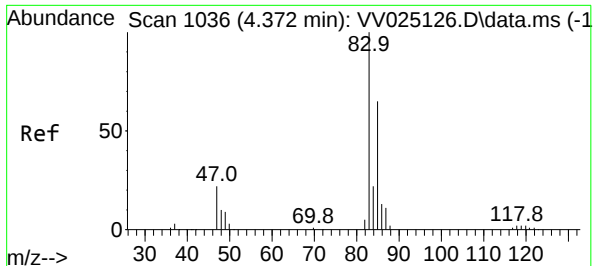
Ion Ratio Lower Upper

96 100

61 114.6 79.7 147.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 1.501 ug/L

RT: 4.378 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VV025139.D

Acq: 23 Mar 2022 18:16

Instrument :

MSVOA_V

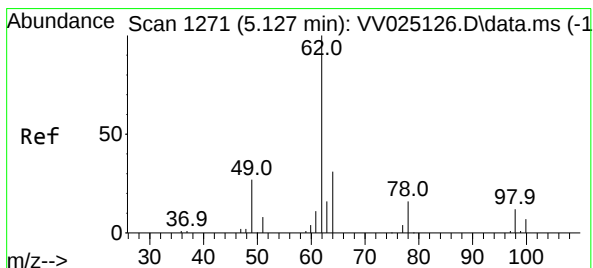
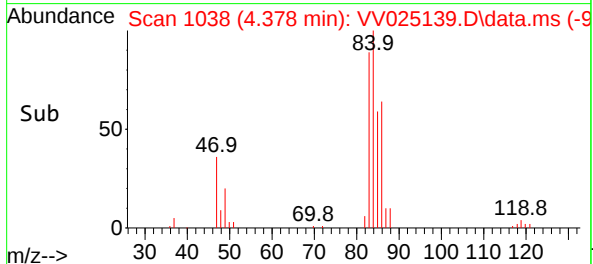
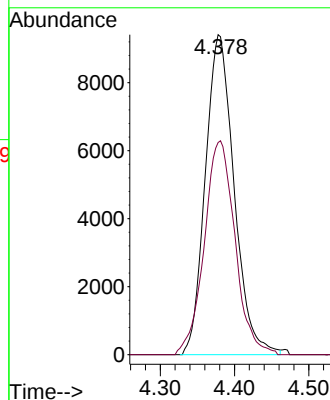
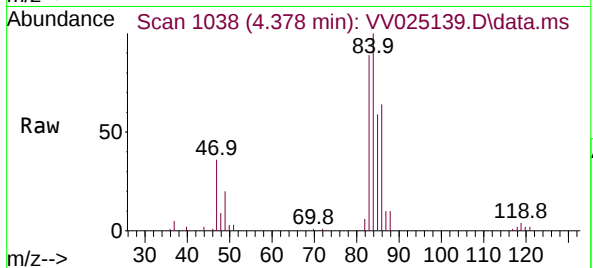
ClientSampleId :

Tgt Ion: 83 Resp: 25389

Ion Ratio Lower Upper

83 100

85 66.3 44.5 82.7



#27

1,2-Dichloroethane

Concen: 1.015 ug/L

RT: 5.140 min Scan# 1275

Delta R.T. 0.013 min

Lab File: VV025139.D

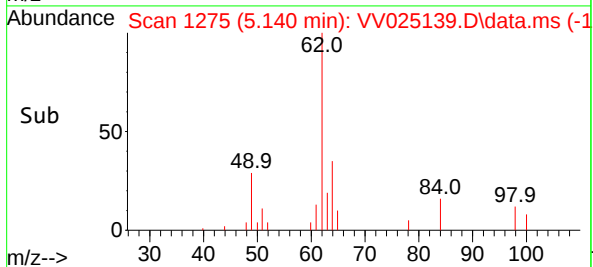
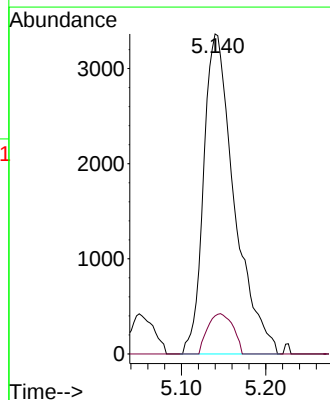
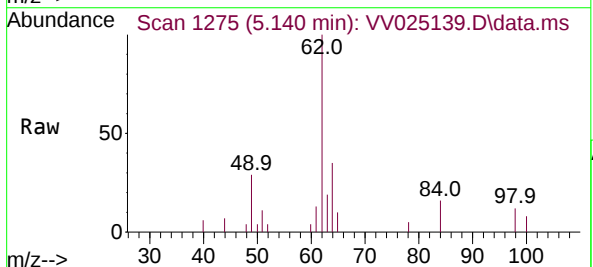
Acq: 23 Mar 2022 18:16

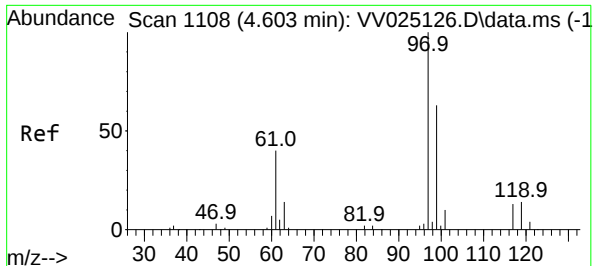
Tgt Ion: 62 Resp: 8538

Ion Ratio Lower Upper

62 100

98 11.9 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 11.206 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VV025139.D

Acq: 23 Mar 2022 18:16

Instrument :

MSVOA_V

ClientSampleId :

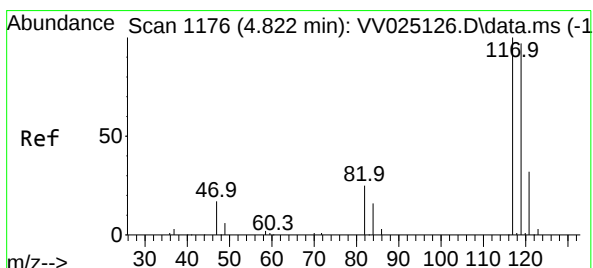
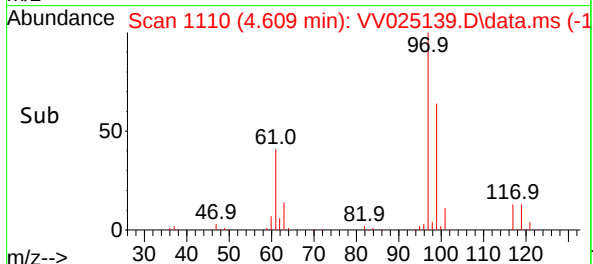
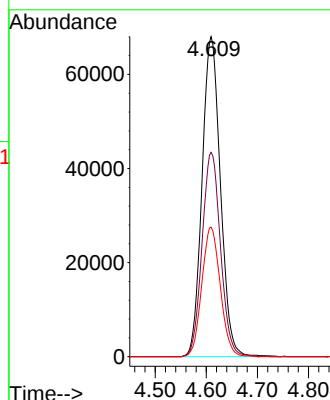
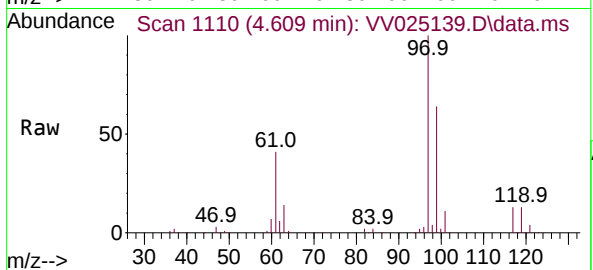
Tgt Ion: 97 Resp: 170025

Ion Ratio Lower Upper

97 100

99 64.1 50.7 76.1

61 40.7 32.4 48.6



#31

Carbon tetrachloride

Concen: 1.728 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. -0.212 min

Lab File: VV025139.D

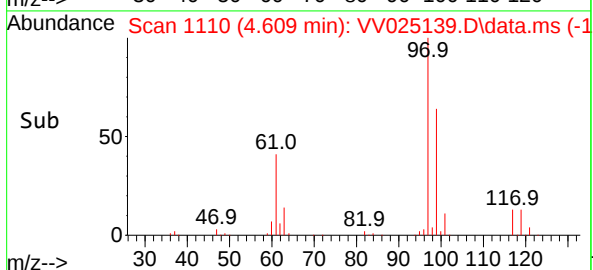
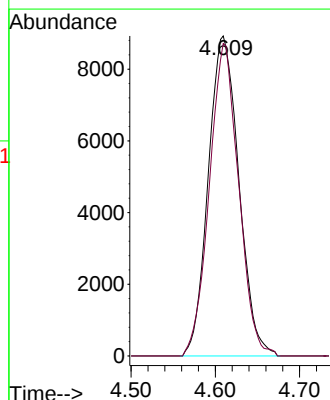
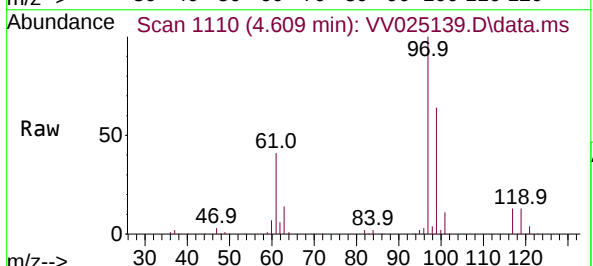
Acq: 23 Mar 2022 18:16

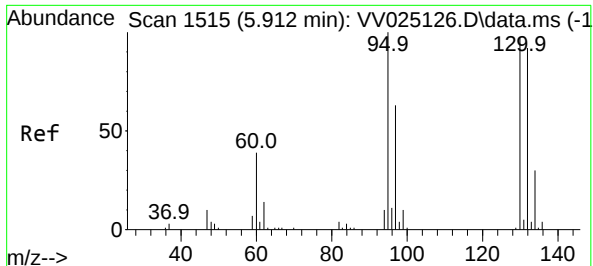
Tgt Ion: 117 Resp: 22492

Ion Ratio Lower Upper

117 100

119 93.4 76.8 115.2





#34

Trichloroethene

Concen: 9.130 ug/L

RT: 5.915 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV025139.D

Acq: 23 Mar 2022 18:16

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 94074

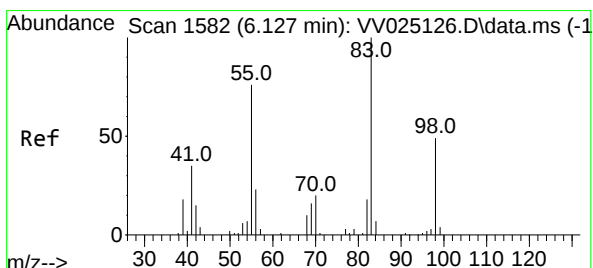
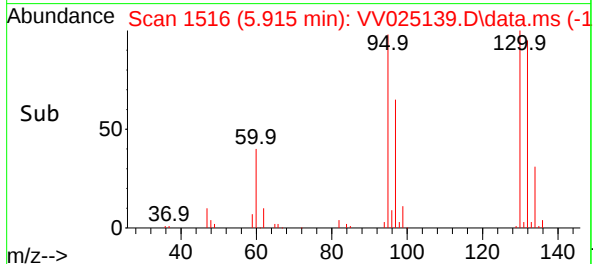
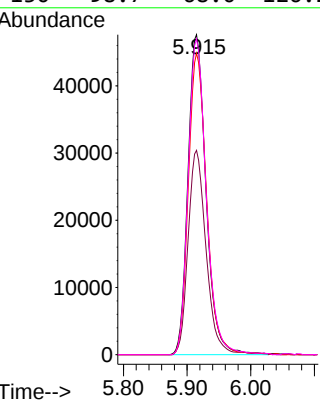
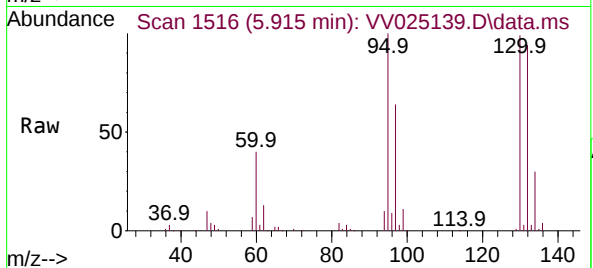
Ion Ratio Lower Upper

95 100

97 63.8 44.5 82.7

132 94.2 66.5 123.5

130 98.7 68.0 126.2



#35

Methylcyclohexane

Concen: 0.751 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.058 min

Lab File: VV025139.D

Acq: 23 Mar 2022 18:16

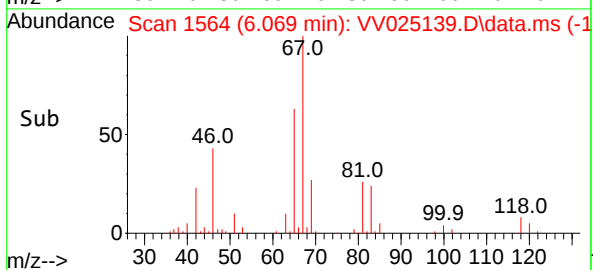
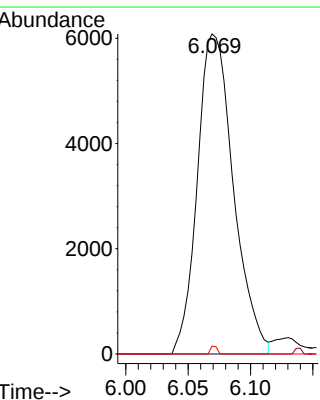
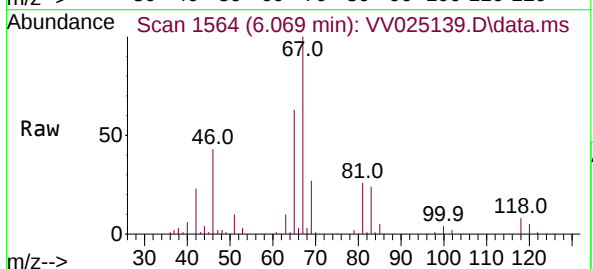
Tgt Ion: 83 Resp: 12253

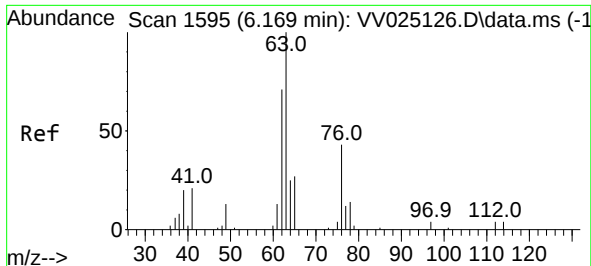
Ion Ratio Lower Upper

83 100

55 0.3 55.4 83.0#

98 1.0 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 0.586 ug/L

RT: 6.069 min Scan# 1

Delta R.T. -0.100 min

Lab File: VV025139.D

Acq: 23 Mar 2022 18:16

Instrument :

MSVOA_V

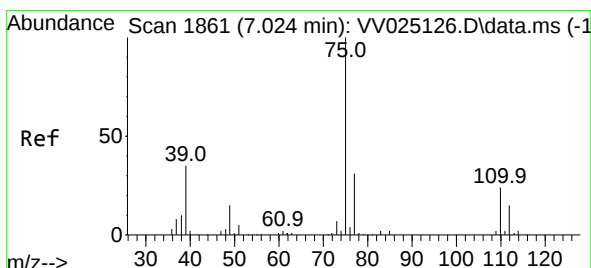
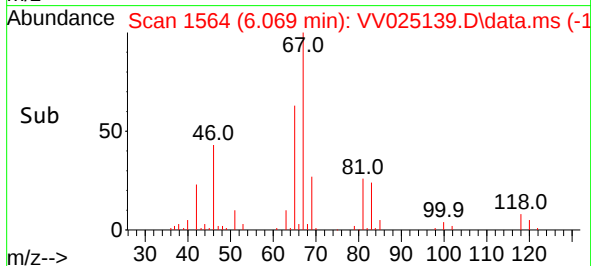
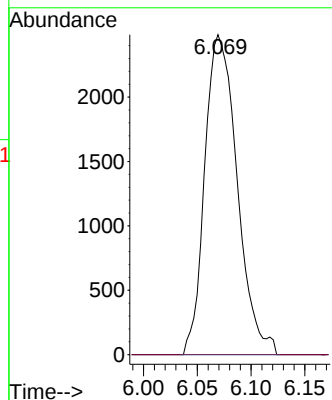
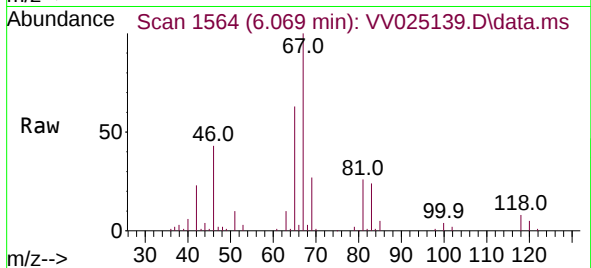
ClientSampleId :

Tgt Ion: 63 Resp: 5210

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.035 min

Lab File: VV025139.D

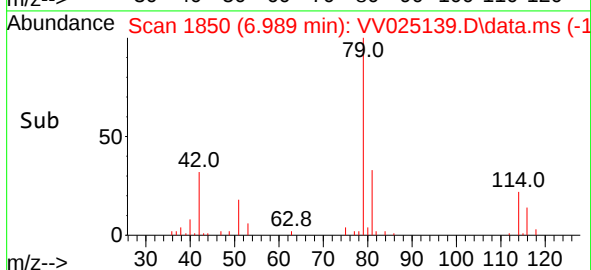
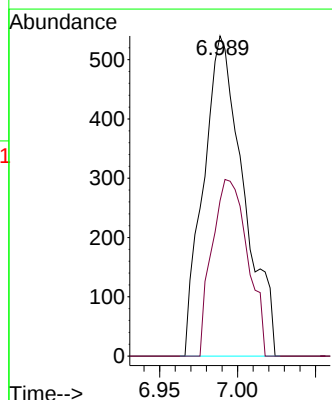
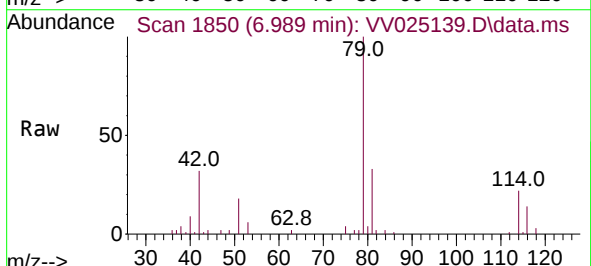
Acq: 23 Mar 2022 18:16

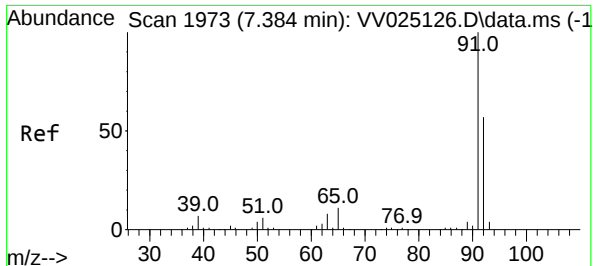
Tgt Ion: 75 Resp: 964

Ion Ratio Lower Upper

75 100

77 48.5 23.0 42.8#





#42

Toluene

Concen: 0.275 ug/L

RT: 7.394 min Scan# 1973

Delta R.T. 0.010 min

Lab File: VV025139.D

Acq: 23 Mar 2022 18:16

Instrument :

MSVOA_V

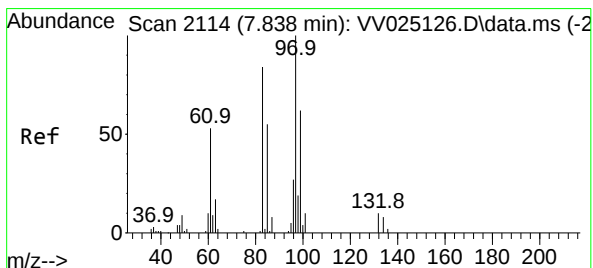
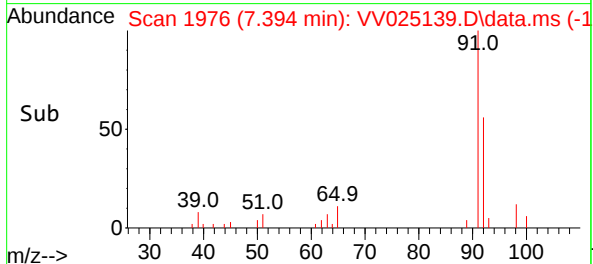
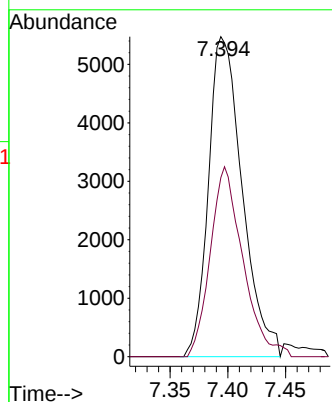
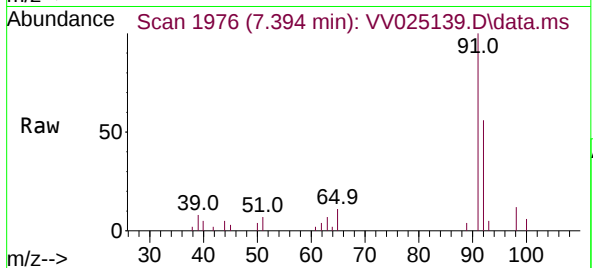
ClientSampleId :

Tgt Ion: 91 Resp: 11128

Ion Ratio Lower Upper

91 100

92 55.9 41.2 76.4



#45

1,1,2-Trichloroethane

Concen: 0.312 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.132 min

Lab File: VV025139.D

Acq: 23 Mar 2022 18:16

Tgt Ion: 97 Resp: 1851

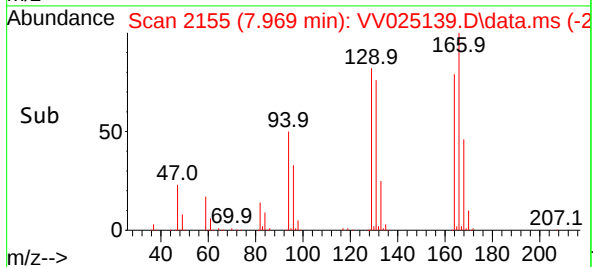
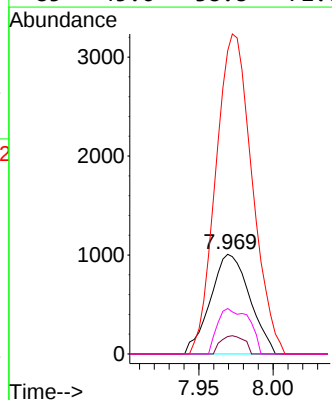
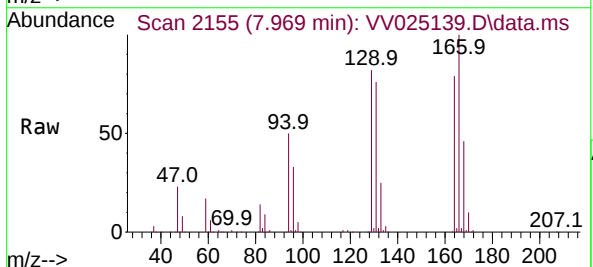
Ion Ratio Lower Upper

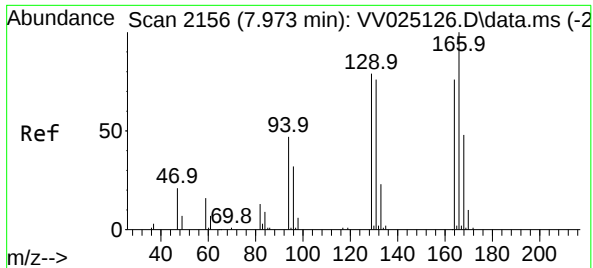
97 100

99 17.6 43.7 81.1#

83 304.5 58.9 109.3#

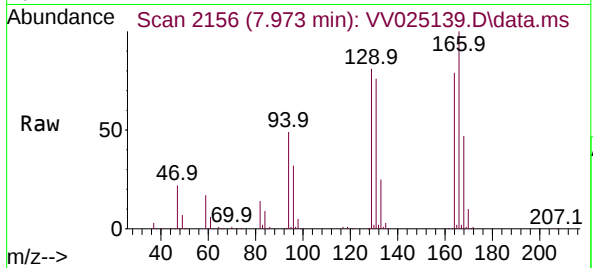
85 45.6 38.8 72.0



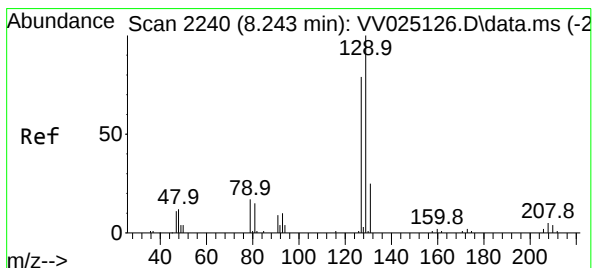
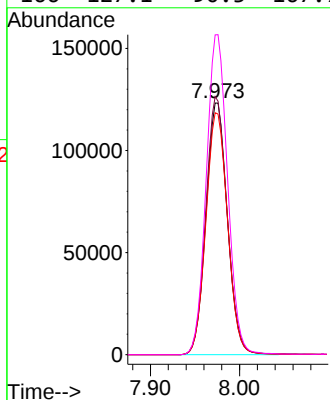
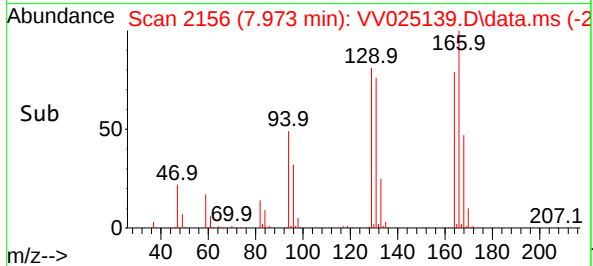


#47
Tetrachloroethene
Concen: 28.465 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.000 min
Lab File: VV025139.D
Acq: 23 Mar 2022 18:16

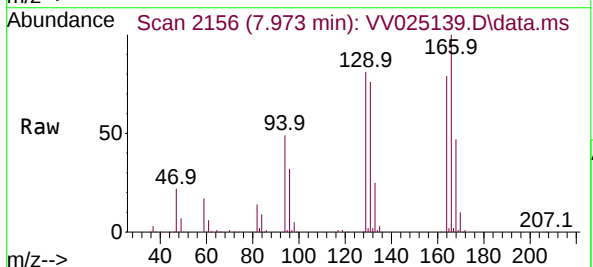
Instrument :
MSVOA_V
ClientSampleId :



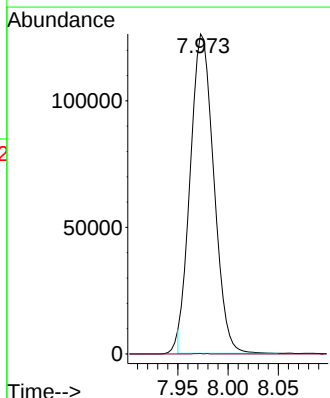
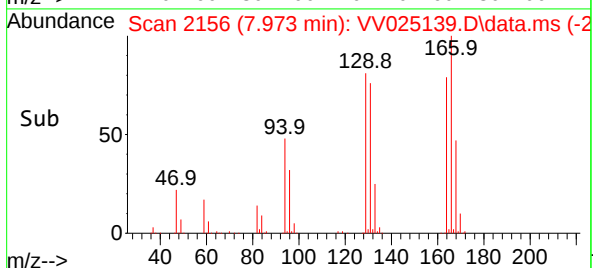
Tgt Ion:164 Resp: 206341
Ion Ratio Lower Upper
164 100
129 102.6 70.3 130.7
131 96.2 69.4 129.0
166 127.1 90.3 167.7

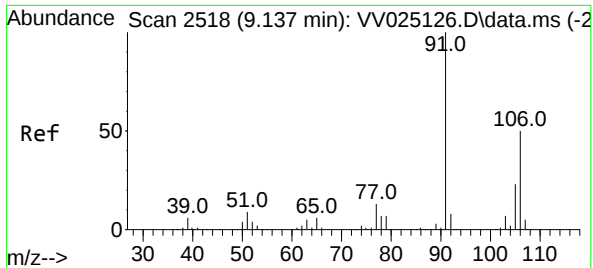


#49
Dibromochloromethane
Concen: 30.783 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.270 min
Lab File: VV025139.D
Acq: 23 Mar 2022 18:16



Tgt Ion:129 Resp: 204675
Ion Ratio Lower Upper
129 100
127 0.1 54.9 102.1#

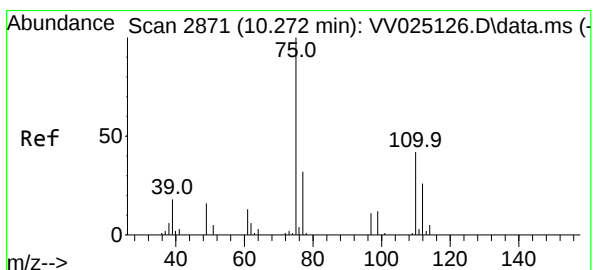
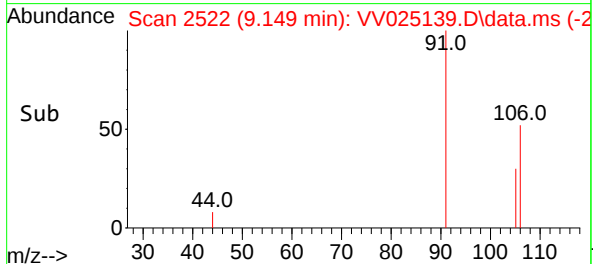
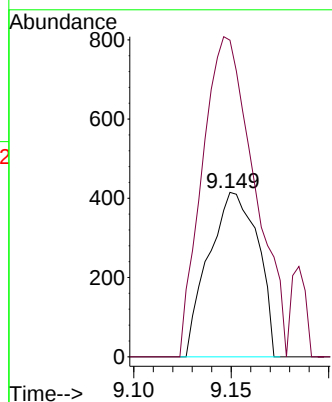
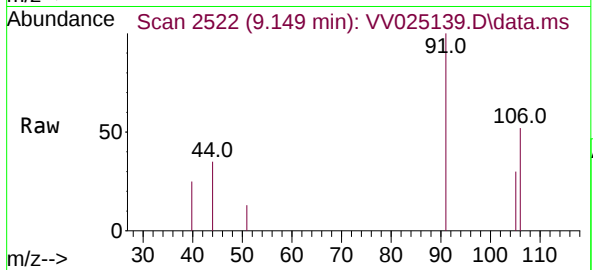




#53
m,p-xylene
Concen: 0.044 ug/L
RT: 9.149 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV025139.D
Acq: 23 Mar 2022 18:16

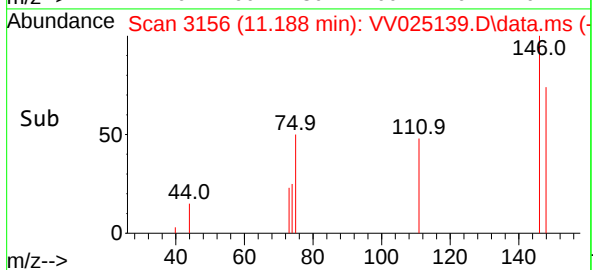
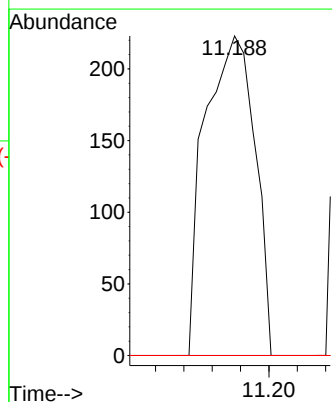
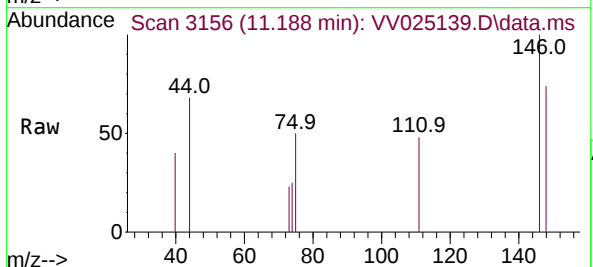
Instrument :
MSVOA_V
ClientSampleId :

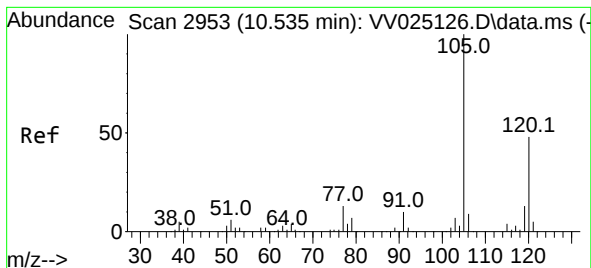
Tgt Ion:106 Resp: 728
Ion Ratio Lower Upper
106 100
91 192.5 143.4 266.4



#61
1,2,3-Trichloropropane
Concen: 0.062 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.916 min
Lab File: VV025139.D
Acq: 23 Mar 2022 18:16

Tgt Ion: 75 Resp: 273
Ion Ratio Lower Upper
75 100
77 45.8 25.7 38.5#
110 0.0 31.2 46.8#





#62

1,3,5-Trimethylbenzene

Concen: 0.066 ug/L

RT: 10.921 min Scan# 30

Delta R.T. 0.386 min

Lab File: VV025139.D

Acq: 23 Mar 2022 18:16

Instrument :

MSVOA_V

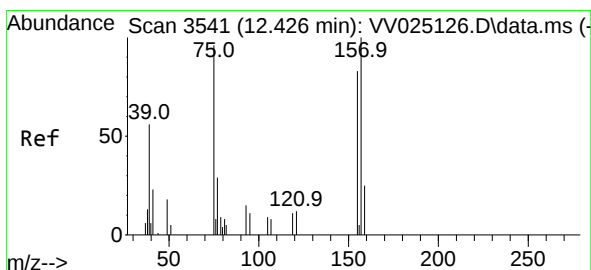
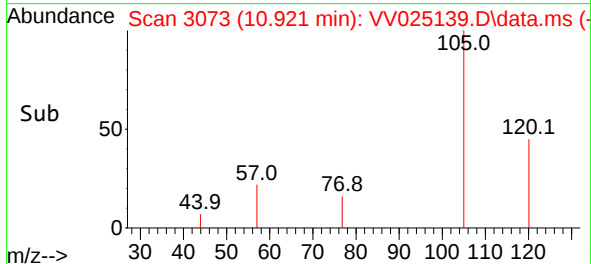
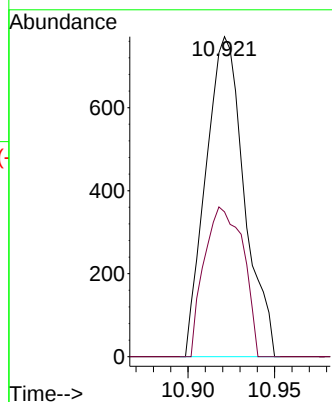
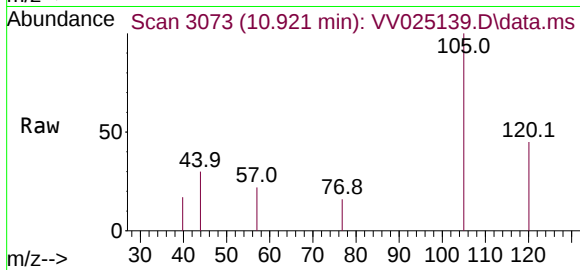
ClientSampleId :

Tgt Ion:105 Resp: 1190

Ion Ratio Lower Upper

105 100

120 47.3 38.5 57.7



#68

1,2-Dibromo-3-chloropropane

Concen: 0.172 ug/L

RT: 12.246 min Scan# 3485

Delta R.T. -0.180 min

Lab File: VV025139.D

Acq: 23 Mar 2022 18:16

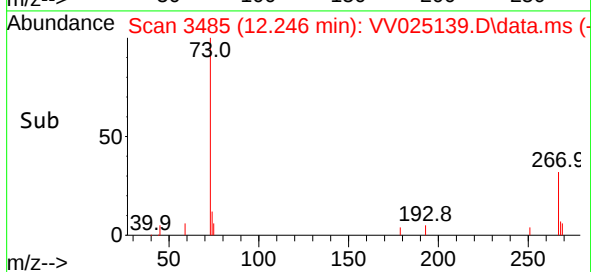
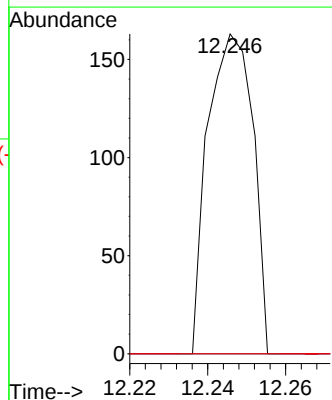
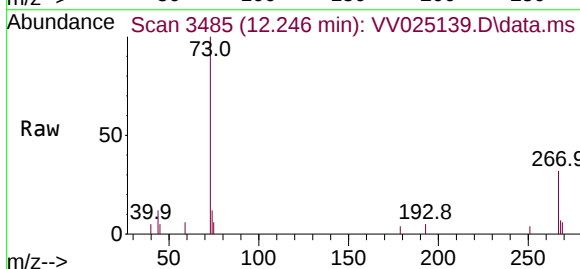
Tgt Ion: 75 Resp: 131

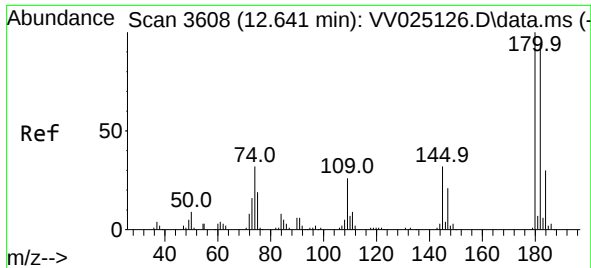
Ion Ratio Lower Upper

75 100

155 0.0 65.9 98.9#

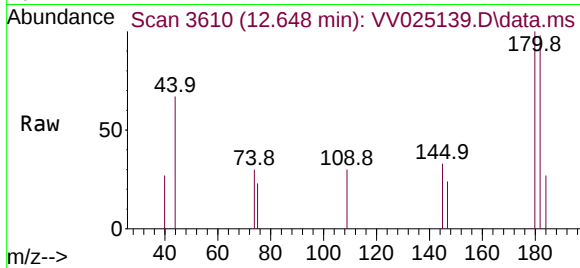
157 0.0 89.7 134.5#



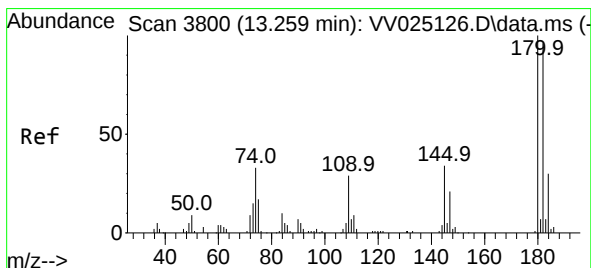
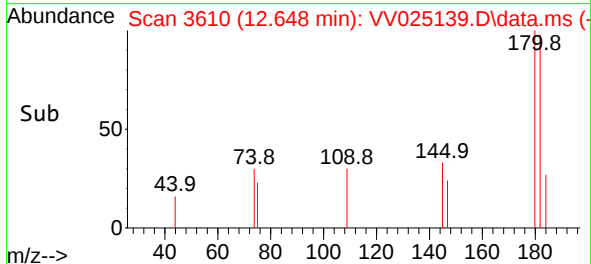
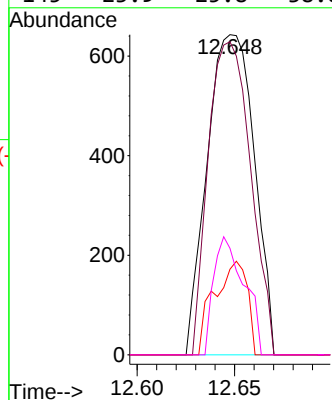


#69
 1,3,5-Trichlorobenzene
 Concen: 0.089 ug/L
 RT: 12.648 min Scan# 3610
 Delta R.T. 0.006 min
 Lab File: VV025139.D
 Acq: 23 Mar 2022 18:16

Instrument :
 MSVOA_V
 ClientSampleId :

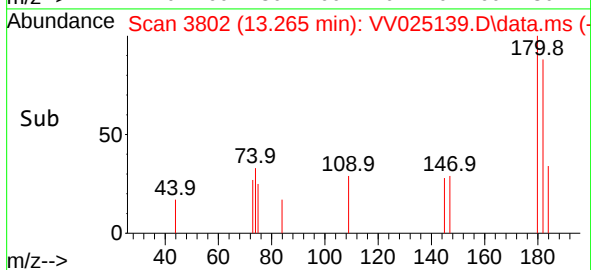
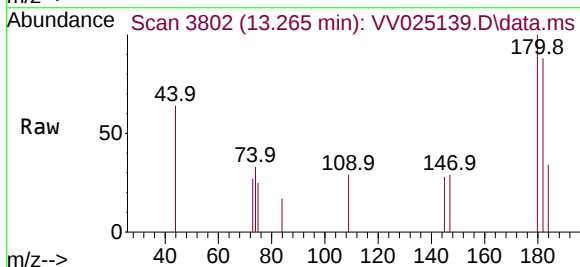
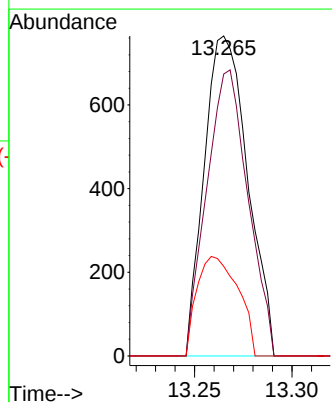


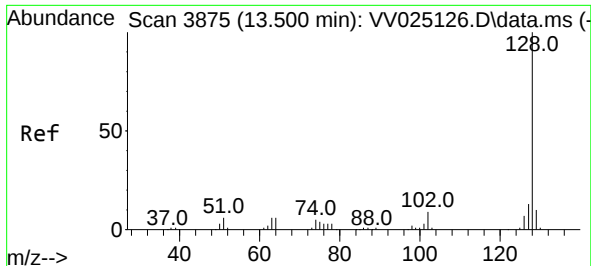
Tgt Ion:180 Resp: 1081
 Ion Ratio Lower Upper
 180 100
 182 87.9 75.4 113.0
 184 20.4 24.2 36.4#
 145 23.9 25.8 38.8#



#70
 1,2,4-trichlorobenzene
 Concen: 0.125 ug/L
 RT: 13.265 min Scan# 3802
 Delta R.T. 0.006 min
 Lab File: VV025139.D
 Acq: 23 Mar 2022 18:16

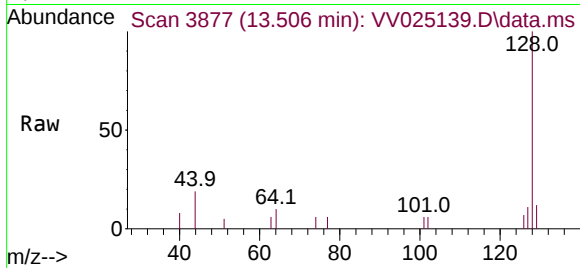
Tgt Ion:180 Resp: 1185
 Ion Ratio Lower Upper
 180 100
 182 85.0 74.6 112.0
 145 29.5 26.1 39.1



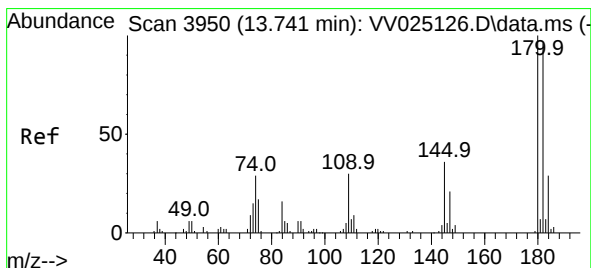
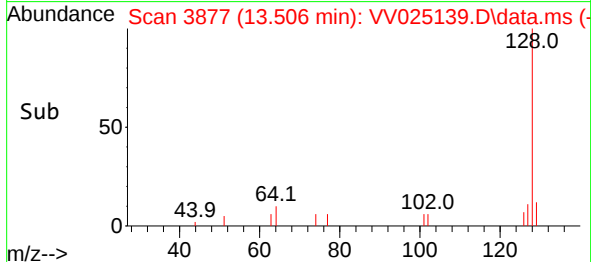
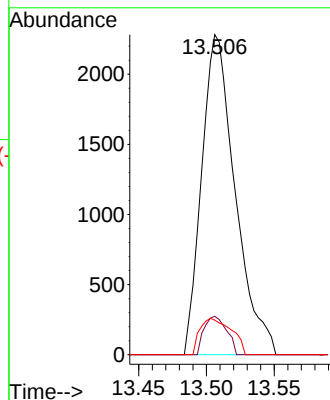


#71
Naphthalene
Concen: 0.249 ug/L
RT: 13.506 min Scan# 3919
Delta R.T. 0.006 min
Lab File: VV025139.D
Acq: 23 Mar 2022 18:16

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 3919
Ion Ratio Lower Upper
128 100
129 8.1 8.5 12.7#
127 10.7 9.8 14.8



#72
1,2,3-Trichlorobenzene
Concen: 0.157 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.003 min
Lab File: VV025139.D
Acq: 23 Mar 2022 18:16

Tgt Ion:180 Resp: 1265
Ion Ratio Lower Upper
180 100
182 91.4 74.8 112.2
145 27.6 27.6 41.4#

