

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111521\
 Data File : VW023492.D
 Acq On : 15 Nov 2021 19:06
 Operator : SY/MD
 Sample : M4617-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG226

Quant Time: Nov 16 00:35:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 16 00:29:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	122730	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	121282	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	55004	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	39642	5.156	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 103.200%		
7) Chloroethane-d5	1.568	69	31462	5.021	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 100.400%		
11) 1,1-Dichloroethene-d2	2.108	63	54327	3.774	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 75.400%		
20) 2-Butanone-d5	3.899	46	67646	51.069	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 102.140%		
24) Chloroform-d	4.349	84	72603	4.431	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 88.600%		
26) 1,2-Dichloroethane-d4	5.037	65	35374	4.801	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 96.000%		
32) Benzene-d6	5.053	84	140689	4.521	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 90.400%		
36) 1,2-Dichloropropane-d6	6.072	67	43376	4.735	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 94.800%		
41) Toluene-d8	7.317	98	123555	4.237	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 84.800%		
43) trans-1,3-Dichloroprop...	7.625	79	15622	4.497	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 90.000%		
46) 2-Hexanone-d5	8.091	63	43656	34.160	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 68.320%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	25220	3.828	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 76.600%		
66) 1,2-Dichlorobenzene-d4	11.625	152	45545	4.973	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 99.400%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	2764	0.231	ug/L	98
3) Chloromethane	1.243	50	534	0.052	ug/L #	75
12) 1,1-Dichloroethene	2.121	96	1552	0.212	ug/L #	1
17) Methyl tert-butyl Ether	2.773	73	1902	0.118	ug/L	99
18) trans-1,2-Dichloroethene	2.761	96	31190	3.467	ug/L	97
19) 1,1-Dichloroethane	3.198	63	1418	0.093	ug/L #	85
22) cis-1,2-Dichloroethene	3.915	96	64270	7.423	ug/L #	91
27) 1,2-Dichloroethane	5.050	62	887	0.103	ug/L #	72
33) Benzene	5.101	78	3062	0.090	ug/L	100
34) Trichloroethene	5.912	95	680057	75.439	ug/L	97
35) Methylcyclohexane	6.069	83	10771	0.757	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	5011	0.633	ug/L #	83
39) cis-1,3-Dichloropropene	6.992	75	1017	0.089	ug/L #	78
45) 1,1,2-Trichloroethane	7.976	97	417	0.073	ug/L #	22
47) Tetrachloroethene	7.976	164	39265	5.026	ug/L	97
48) 2-Hexanone	8.149	43	7343	2.855	ug/L #	86
49) Dibromochloromethane	7.976	129	35005	4.859	ug/L #	10
61) 1,2,3-Trichloropropane	11.246	75	6237	1.707	ug/L #	68
64) 1,3-Dichlorobenzene	11.275	146	1206	0.075	ug/L	84

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QLast Update : Tue Nov 16 00:29:25 2021
Response via : Initial Calibration

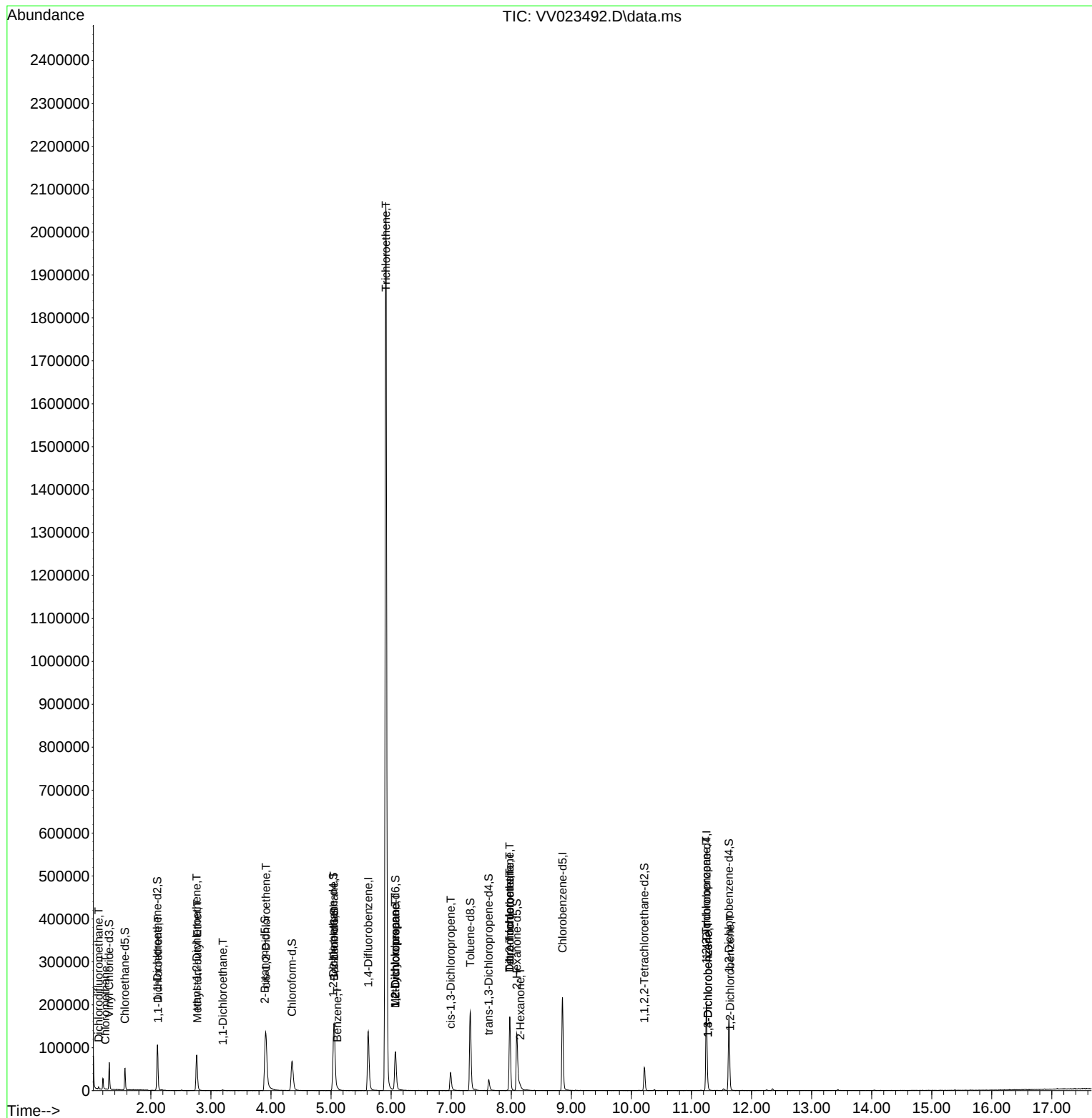
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.275	146	1206	0.073	ug/L	87
67) 1,2-Dichlorobenzene	11.644	146	987	0.068	ug/L #	78

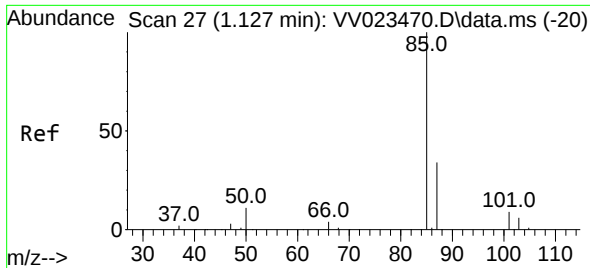
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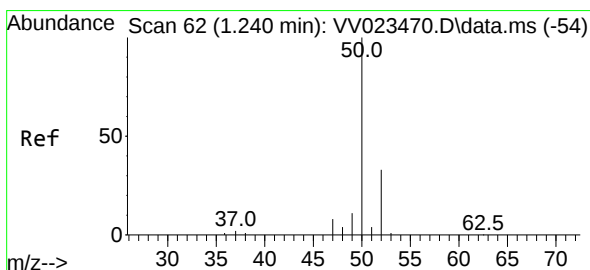
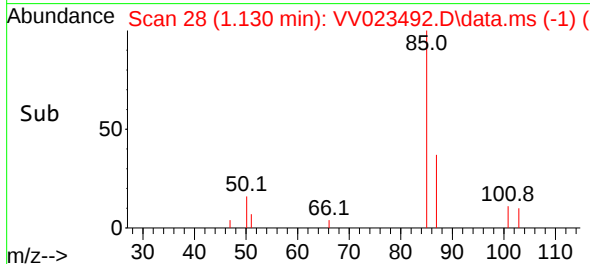
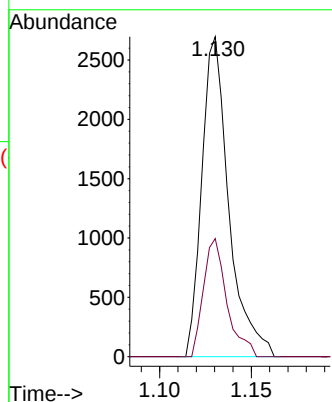
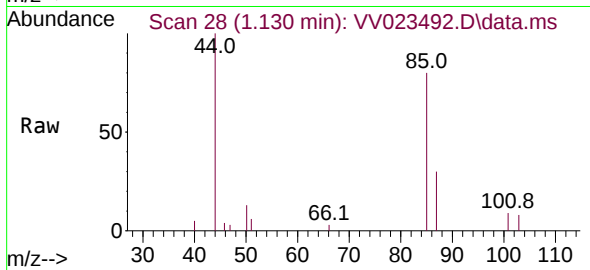




#2
 Dichlorodifluoromethane
 Concen: 0.231 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV023492.D
 Acq: 15 Nov 2021 19:06

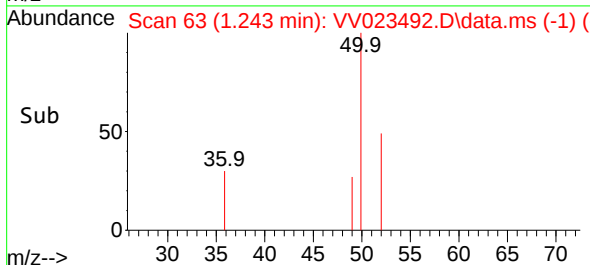
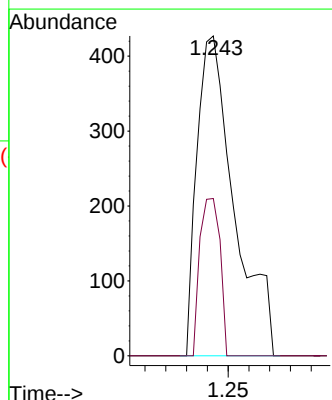
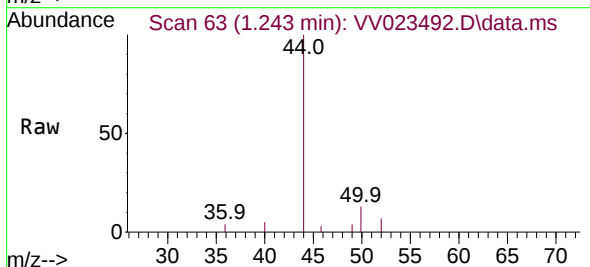
Instrument :
 MSVOA_V
 ClientSampleId :
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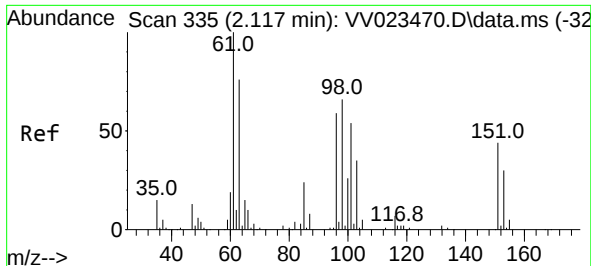
Tgt Ion: 85 Resp: 2764
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.6 39.8



#3
 Chloromethane
 Concen: 0.052 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV023492.D
 Acq: 15 Nov 2021 19:06

Tgt Ion: 50 Resp: 534
 Ion Ratio Lower Upper
 50 100
 52 49.2 24.3 45.1#

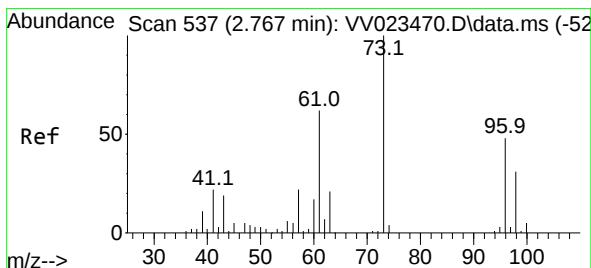
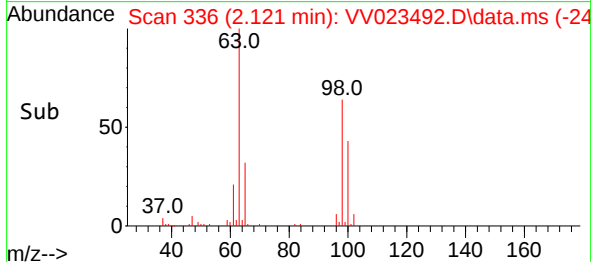
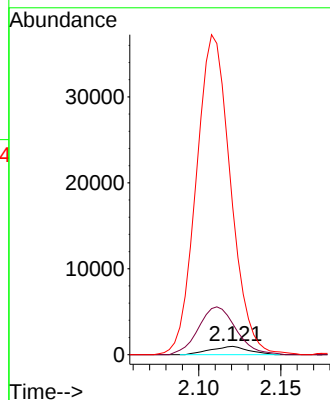
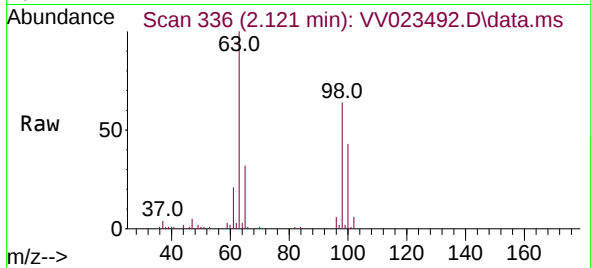




#12
1,1-Dichloroethene
Concen: 0.212 ug/L
RT: 2.121 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV023492.D
Acq: 15 Nov 2021 19:06

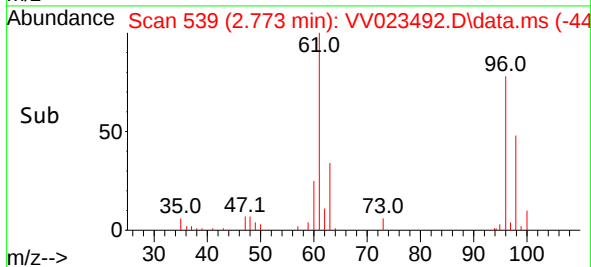
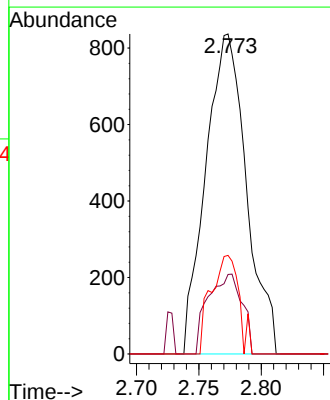
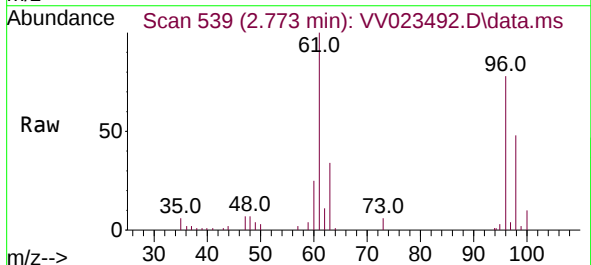
Instrument :
MSVOA_V
ClientSampleId :
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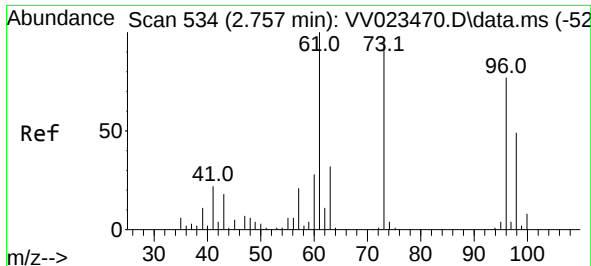
Tgt Ion: 96 Resp: 1552
Ion Ratio Lower Upper
96 100
61 372.8 121.5 225.7#
63 1774.0 99.6 185.0#



#17
Methyl tert-butyl Ether
Concen: 0.118 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.006 min
Lab File: VV023492.D
Acq: 15 Nov 2021 19:06

Tgt Ion: 73 Resp: 1902
Ion Ratio Lower Upper
73 100
43 20.8 17.4 26.0
57 21.1 16.5 24.7

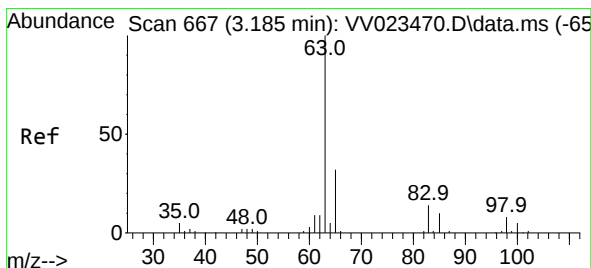
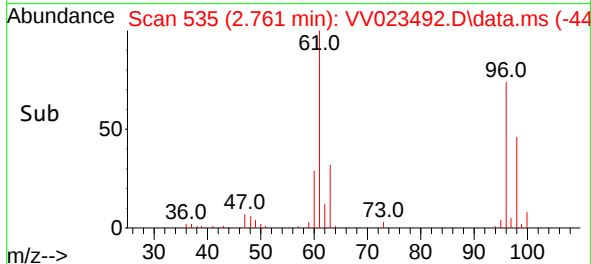
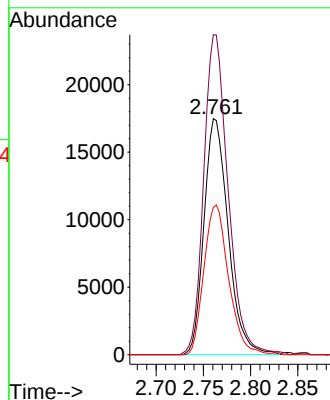
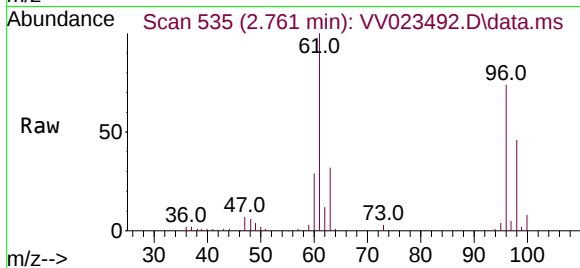




#18
trans-1,2-Dichloroethene
Concen: 3.467 ug/L
RT: 2.761 min Scan# 511
Delta R.T. 0.003 min
Lab File: VV023492.D
Acq: 15 Nov 2021 19:06

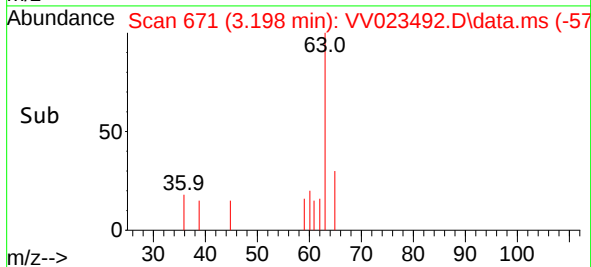
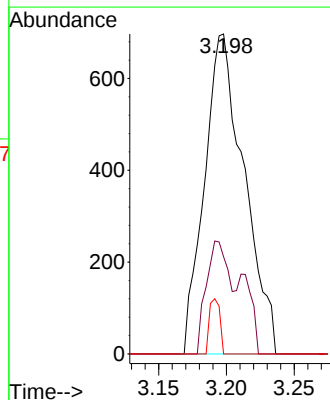
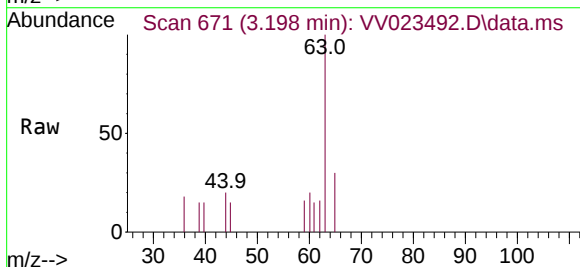
Instrument :
MSVOA_V
ClientSampleId :
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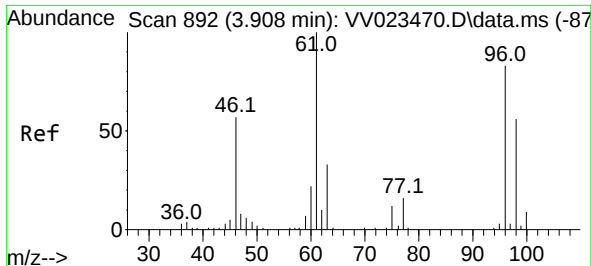
Tgt Ion: 96 Resp: 31190
Ion Ratio Lower Upper
96 100
61 135.5 93.2 173.2
98 62.3 47.0 87.2



#19
1,1-Dichloroethane
Concen: 0.093 ug/L
RT: 3.198 min Scan# 671
Delta R.T. 0.013 min
Lab File: VV023492.D
Acq: 15 Nov 2021 19:06

Tgt Ion: 63 Resp: 1418
Ion Ratio Lower Upper
63 100
65 30.4 22.6 42.0
83 0.0 11.1 20.7#

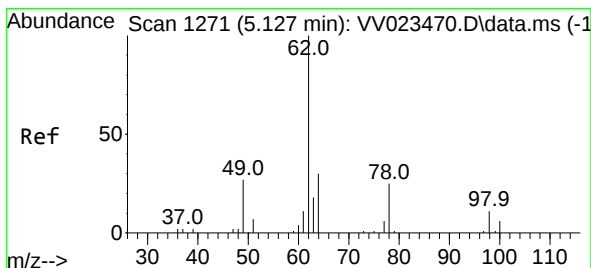
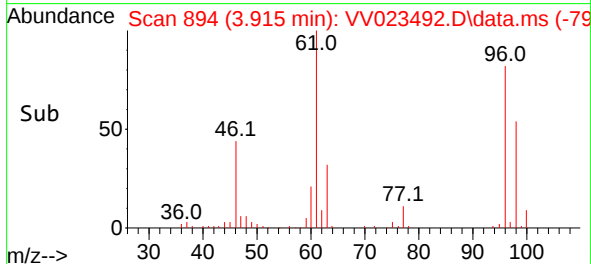
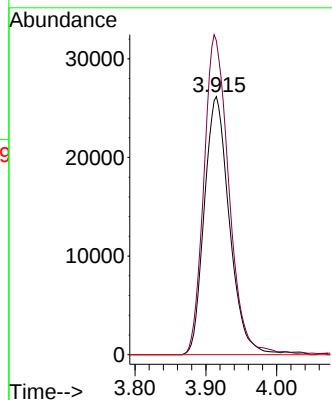
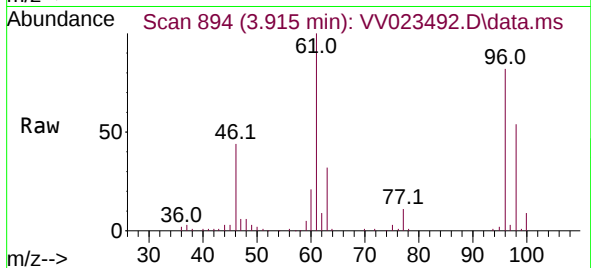




#22
 cis-1,2-Dichloroethene
 Concen: 7.423 ug/L
 RT: 3.915 min Scan# 894
 Delta R.T. 0.006 min
 Lab File: VV023492.D
 Acq: 15 Nov 2021 19:06

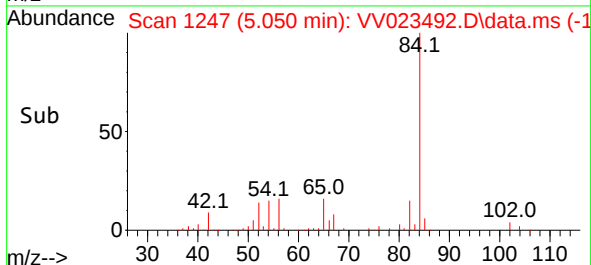
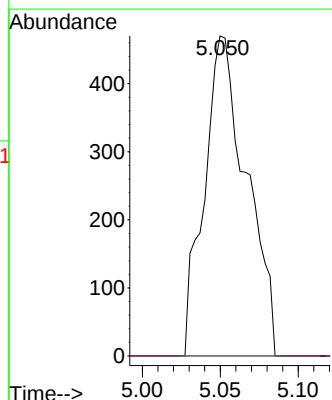
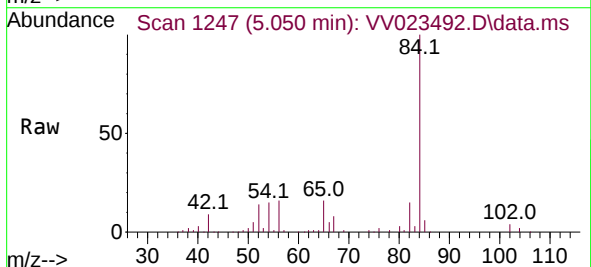
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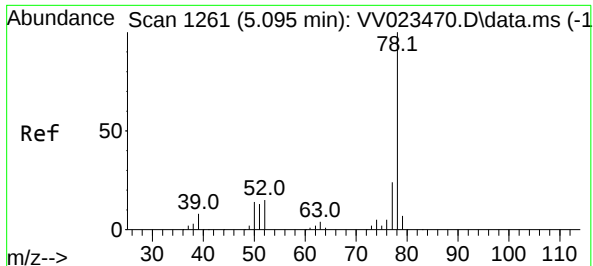
Tgt Ion: 96 Resp: 64270
 Ion Ratio Lower Upper
 96 100
 61 121.7 92.3 171.3
 68 0.0 0.4 0.8#



#27
 1,2-Dichloroethane
 Concen: 0.103 ug/L
 RT: 5.050 min Scan# 1247
 Delta R.T. -0.077 min
 Lab File: VV023492.D
 Acq: 15 Nov 2021 19:06

Tgt Ion: 62 Resp: 887
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#

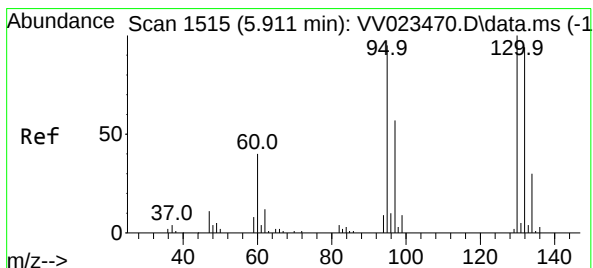
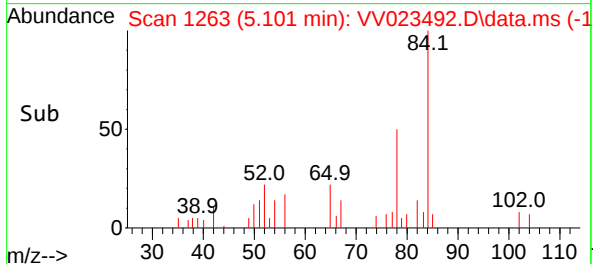
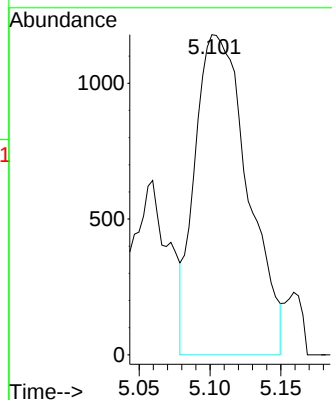
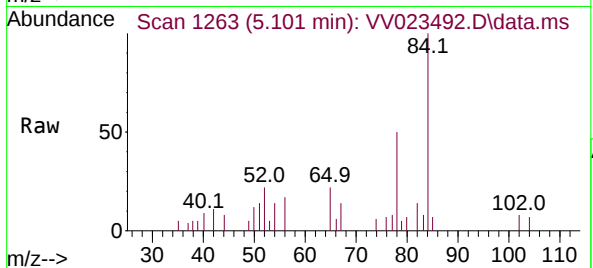




#33
Benzene
Concen: 0.090 ug/L
RT: 5.101 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV023492.D
Acq: 15 Nov 2021 19:06

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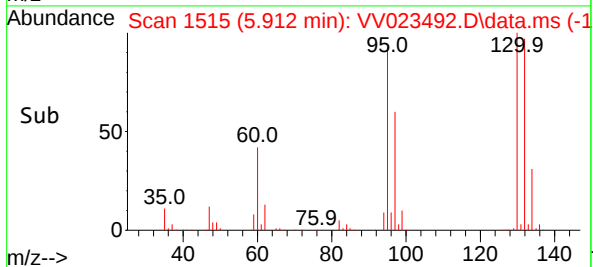
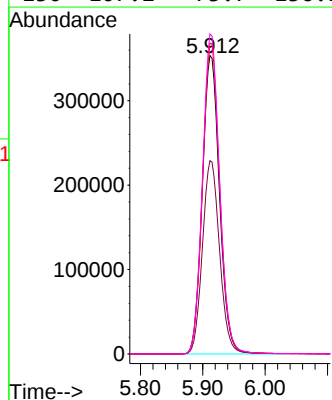
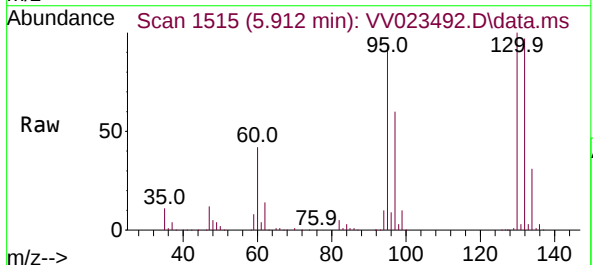
Tgt Ion: 78 Resp: 3062

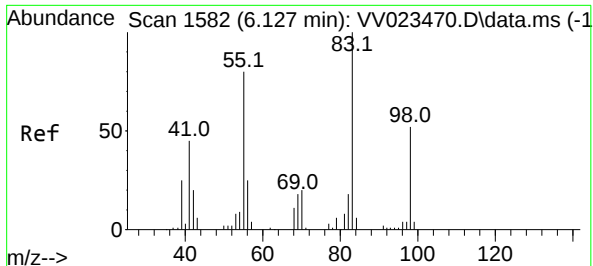


#34
Trichloroethene
Concen: 75.439 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VV023492.D
Acq: 15 Nov 2021 19:06

Tgt Ion: 95 Resp: 680057

Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.0	83.6
132	104.1	69.7	129.4
130	107.2	73.7	136.9





#35

Methylcyclohexane

Concen: 0.757 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.058 min

Lab File: VV023492.D

Acq: 15 Nov 2021 19:06

Instrument :

MSVOA_V

ClientSampleId :

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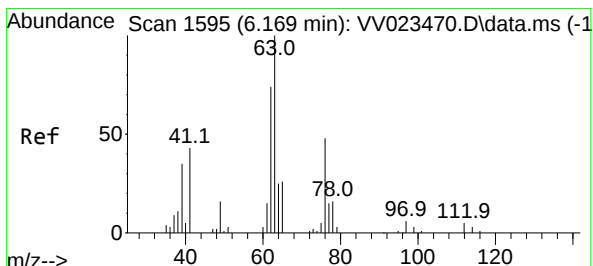
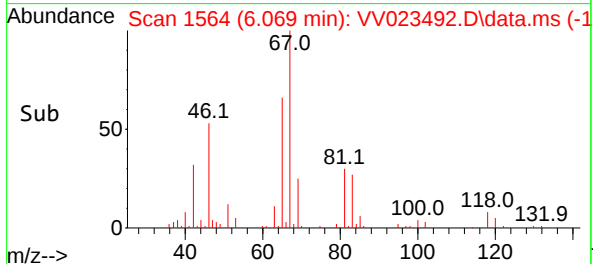
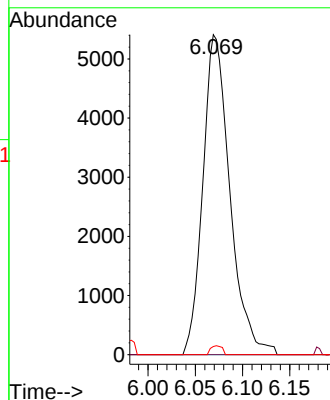
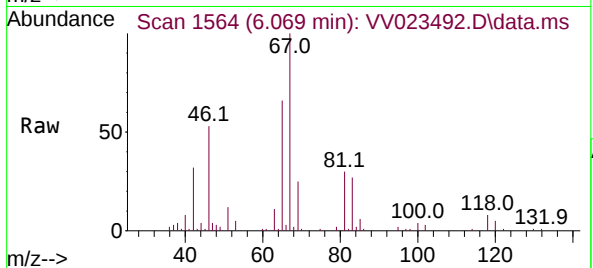
Tgt Ion: 83 Resp: 10771

Ion Ratio Lower Upper

83 100

55 0.4 62.8 94.2#

98 0.0 37.9 56.9#



#37

1,2-Dichloropropane

Concen: 0.633 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.100 min

Lab File: VV023492.D

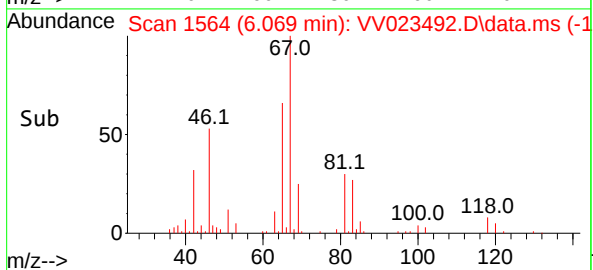
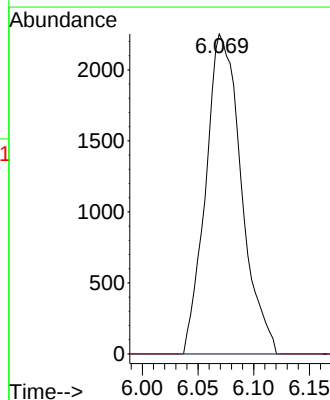
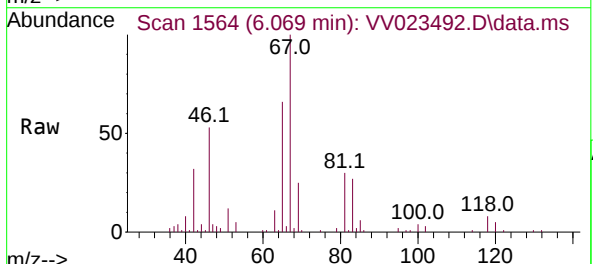
Acq: 15 Nov 2021 19:06

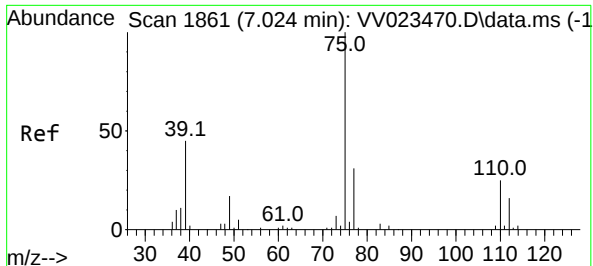
Tgt Ion: 63 Resp: 5011

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 6.992 min Scan# 11

Delta R.T. -0.032 min

Lab File: VV023492.D

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ClientSampleId :

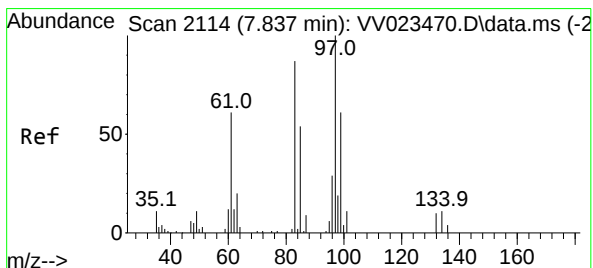
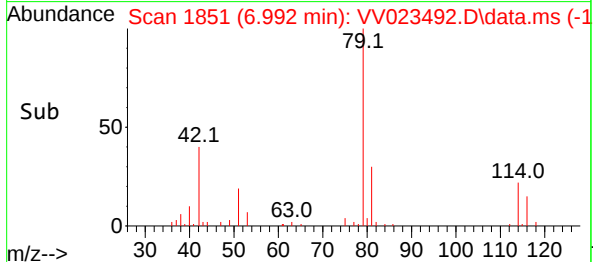
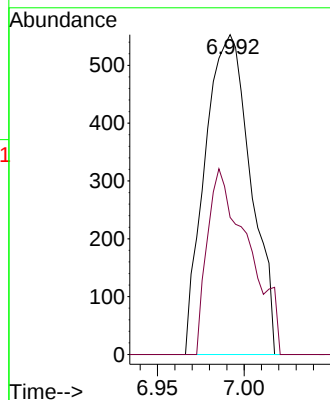
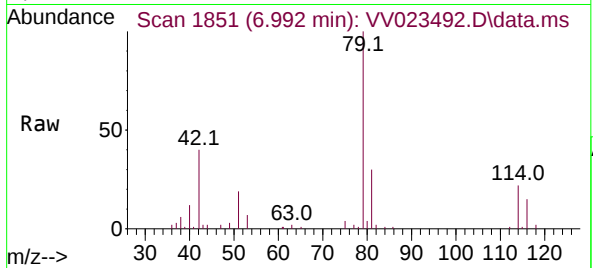
BG226

Tgt Ion: 75 Resp: 1017

Ion Ratio Lower Upper

75 100

77 42.9 21.6 40.2#



#45

1,1,2-Trichloroethane

Concen: 0.073 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.138 min

Lab File: VV023492.D

Acq: 15 Nov 2021 19:06

Tgt Ion: 97 Resp: 417

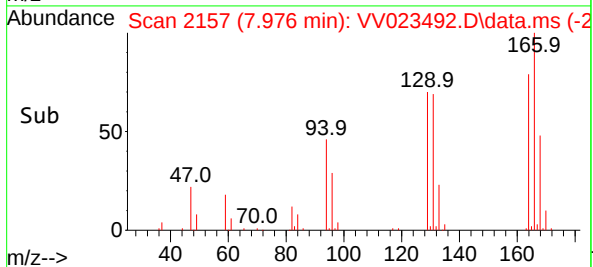
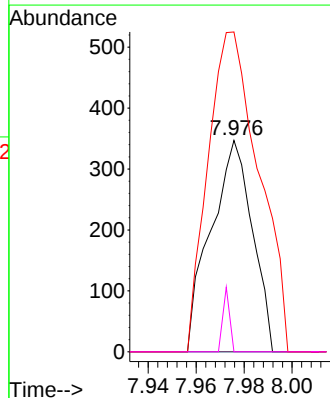
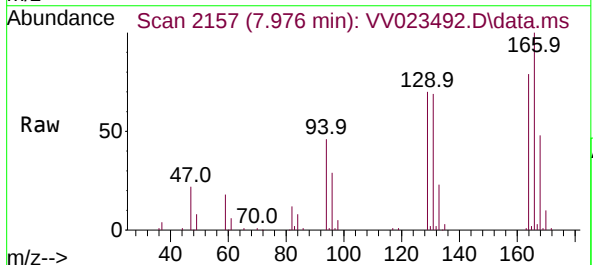
Ion Ratio Lower Upper

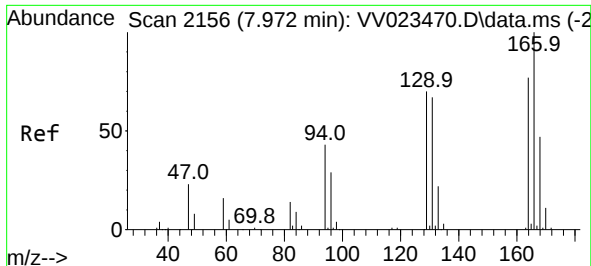
97 100

99 0.0 43.6 81.0#

83 151.3 58.4 108.4#

85 0.0 39.8 74.0#





#47

Tetrachloroethene

Concen: 5.026 ug/L

RT: 7.976 min Scan# 2156

Delta R.T. 0.003 min

Lab File: VV023492.D

Acq: 15 Nov 2021 19:06

Instrument :

MSVOA_V

ClientSampleId :

BG226

Tgt Ion:164 Resp: 39265

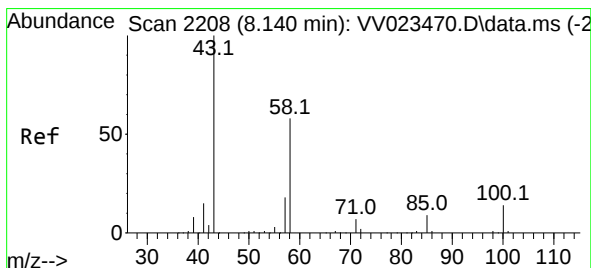
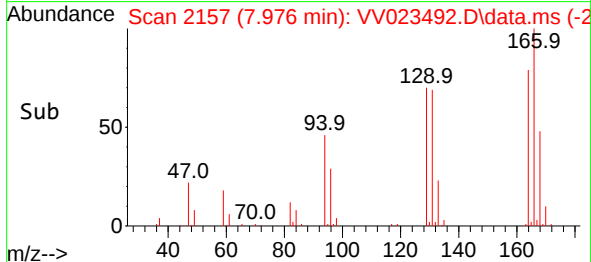
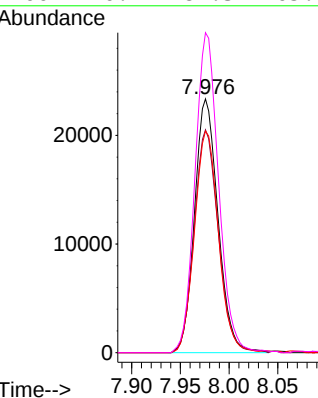
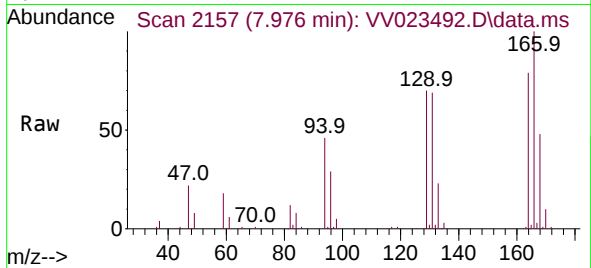
Ion Ratio Lower Upper

164 100

129 87.8 64.0 119.0

131 87.3 63.4 117.8

166 126.1 89.3 165.9



#48

2-Hexanone

Concen: 2.855 ug/L

RT: 8.149 min Scan# 2211

Delta R.T. 0.010 min

Lab File: VV023492.D

Acq: 15 Nov 2021 19:06

Tgt Ion: 43 Resp: 7343

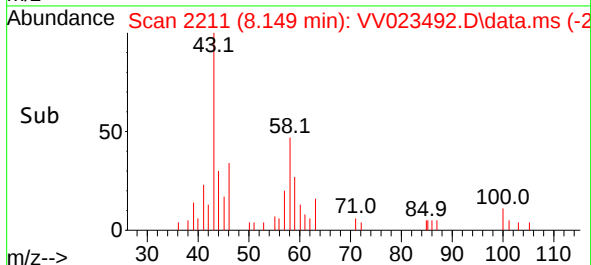
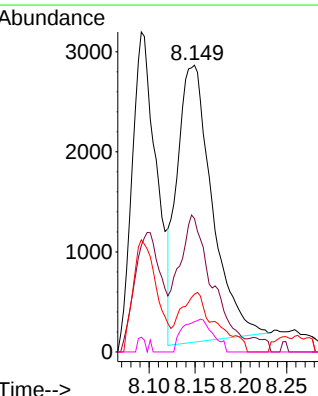
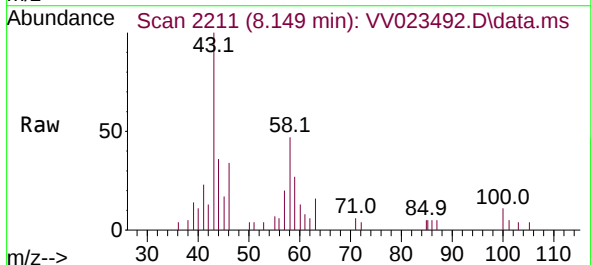
Ion Ratio Lower Upper

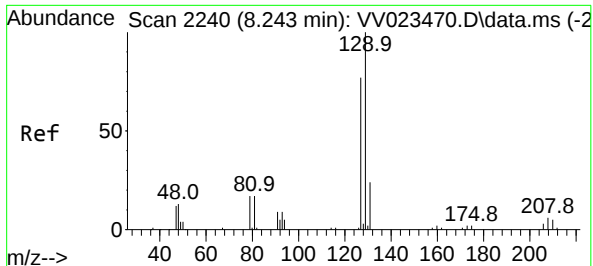
43 100

58 42.1 43.7 65.5#

57 21.7 14.1 21.1#

100 10.1 10.2 15.2#





#49

Dibromochloromethane

Concen: 4.859 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV023492.D

Acq: 15 Nov 2021 19:06

Instrument :

MSVOA_V

ClientSampleId :

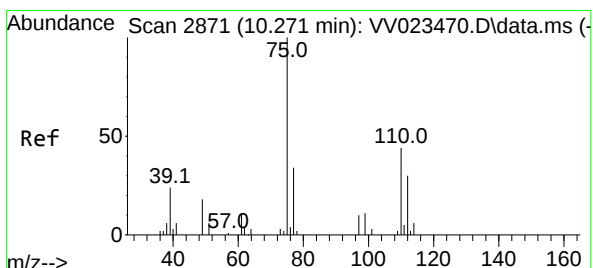
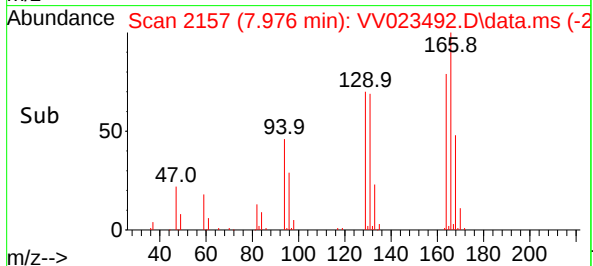
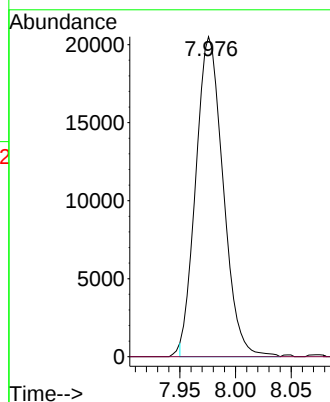
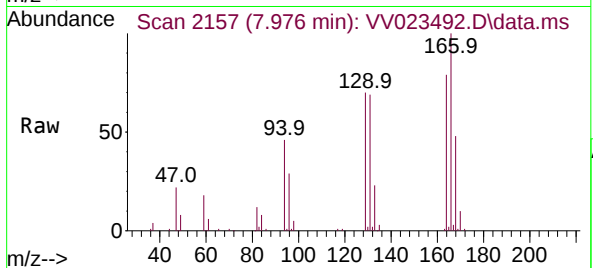
BG226

Tgt Ion:129 Resp: 35005

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#61

1,2,3-Trichloropropane

Concen: 1.707 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV023492.D

Acq: 15 Nov 2021 19:06

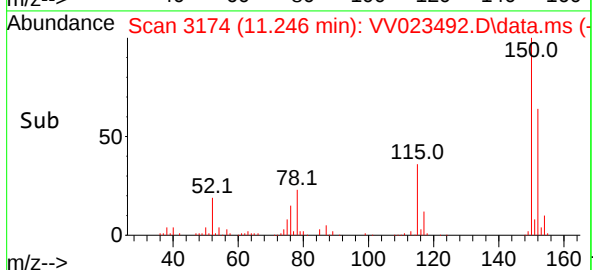
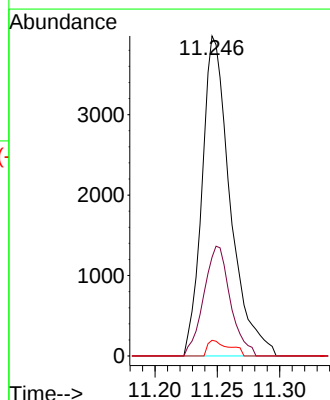
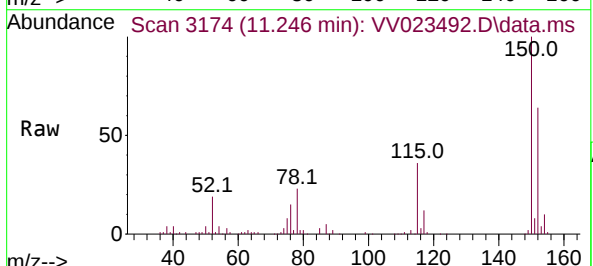
Tgt Ion: 75 Resp: 6237

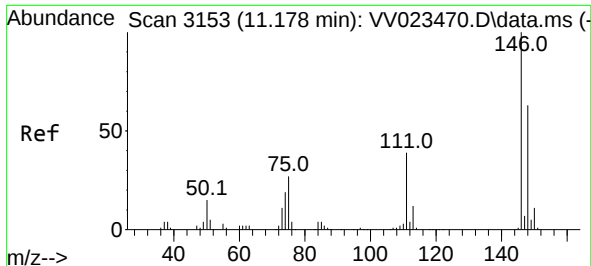
Ion Ratio Lower Upper

75 100

77 32.5 26.6 39.8

110 3.8 31.8 47.6#

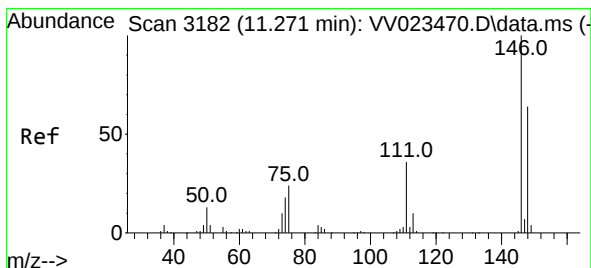
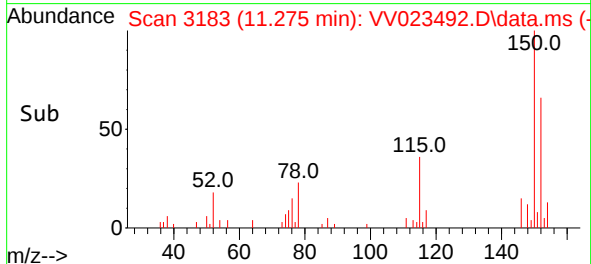
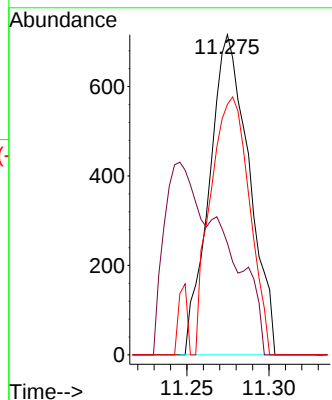
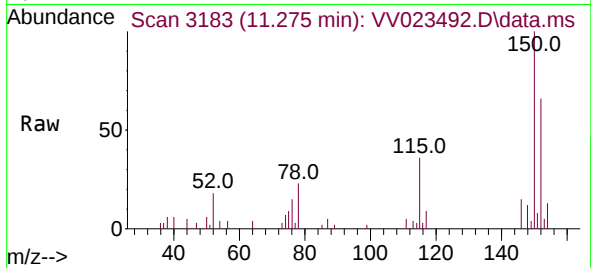




#64
1,3-Dichlorobenzene
Concen: 0.075 ug/L
RT: 11.275 min Scan# 3153
Delta R.T. 0.097 min
Lab File: VV023492.D
Acq: 15 Nov 2021 19:06

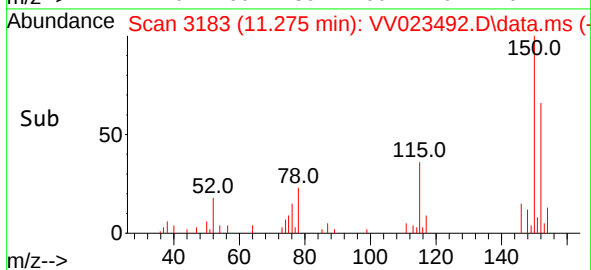
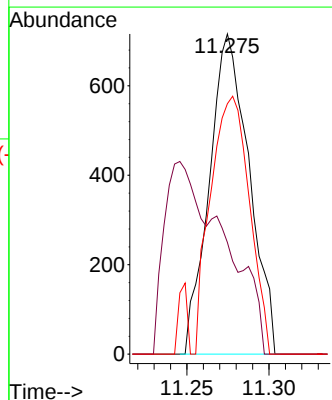
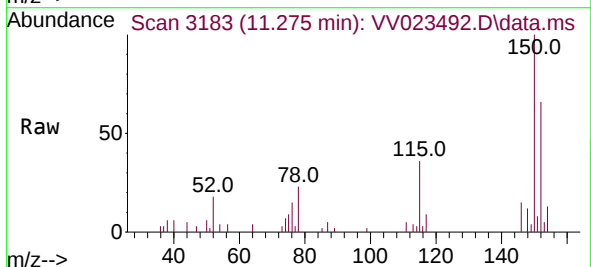
Instrument :
MSVOA_V
ClientSampleId :
BG226

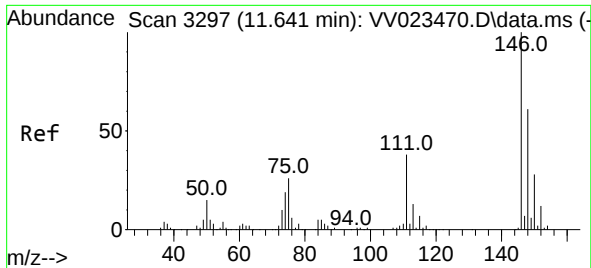
Tgt Ion:146 Resp: 1206
Ion Ratio Lower Upper
146 100
111 34.9 26.7 49.7
148 78.2 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 0.073 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VV023492.D
Acq: 15 Nov 2021 19:06

Tgt Ion:146 Resp: 1206
Ion Ratio Lower Upper
146 100
111 34.9 26.2 48.8
148 78.2 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 0.068 ug/L

RT: 11.644 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV023492.D

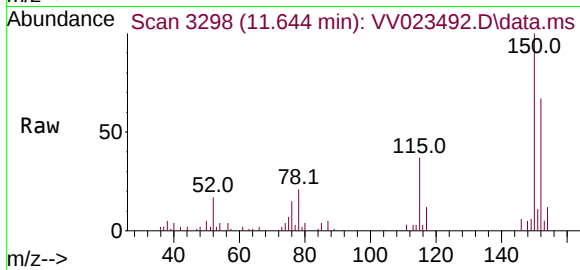
Acq: 15 Nov 2021 19:06

Instrument :

MSVOA_V

ClientSampleId :

BG226



Tgt Ion:146 Resp: 987

Ion Ratio Lower Upper

146 100

111 55.7 31.6 47.4#

148 78.6 51.0 76.6#

