

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111521\
 Data File : VW023491.D
 Acq On : 15 Nov 2021 18:42
 Operator : SY/MD
 Sample : M4617-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG225

Quant Time: Nov 16 00:34:52 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	119264	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	120279	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	54142	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	39594	5.299	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 106.000%		
7) Chloroethane-d5	1.568	69	31898	5.238	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 104.800%		
11) 1,1-Dichloroethene-d2	2.108	63	54231	3.877	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 77.600%		
20) 2-Butanone-d5	3.896	46	68268	53.036	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 106.080%		
24) Chloroform-d	4.352	84	73124	4.592	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 91.800%		
26) 1,2-Dichloroethane-d4	5.034	65	35136	4.907	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 98.200%		
32) Benzene-d6	5.053	84	141607	4.588	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 91.800%		
36) 1,2-Dichloropropane-d6	6.069	67	43578	4.797	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 96.000%		
41) Toluene-d8	7.317	98	127698	4.416	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 88.400%		
43) trans-1,3-Dichloroprop...	7.625	79	15453	4.486	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 89.800%		
46) 2-Hexanone-d5	8.092	63	44329	34.976	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 69.960%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	25541	3.909	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 78.200%		
66) 1,2-Dichlorobenzene-d4	11.625	152	46425	5.150	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 103.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.131	85	3401	0.292	ug/L	99
12) 1,1-Dichloroethene	2.118	96	2365	0.333	ug/L #	1
13) Acetone	2.182	43	1150	1.462	ug/L	54
17) Methyl tert-butyl Ether	2.770	73	2071	0.132	ug/L #	90
18) trans-1,2-Dichloroethene	2.761	96	40900	4.678	ug/L	94
19) 1,1-Dichloroethane	3.198	63	1684	0.114	ug/L #	90
22) cis-1,2-Dichloroethene	3.912	96	81351	9.669	ug/L #	89
33) Benzene	5.105	78	4272	0.127	ug/L	100
34) Trichloroethene	5.912	95	868735	97.173	ug/L	99
35) Methylcyclohexane	6.072	83	11634	0.824	ug/L #	17
37) 1,2-Dichloropropane	6.069	63	4993	0.636	ug/L #	83
39) cis-1,3-Dichloropropene	6.992	75	1083	0.096	ug/L #	79
42) Toluene	7.404	91	2346	0.065	ug/L #	77
47) Tetrachloroethene	7.976	164	51196	6.608	ug/L	97
48) 2-Hexanone	8.143	43	7634	2.993	ug/L #	94
49) Dibromochloromethane	7.976	129	45460	6.362	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	5759	1.601	ug/L #	65
64) 1,3-Dichlorobenzene	11.272	146	1550	0.098	ug/L	85
65) 1,4-Dichlorobenzene	11.272	146	1550	0.096	ug/L	84

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 16 00:29:25 2021
Response via : Initial Calibration

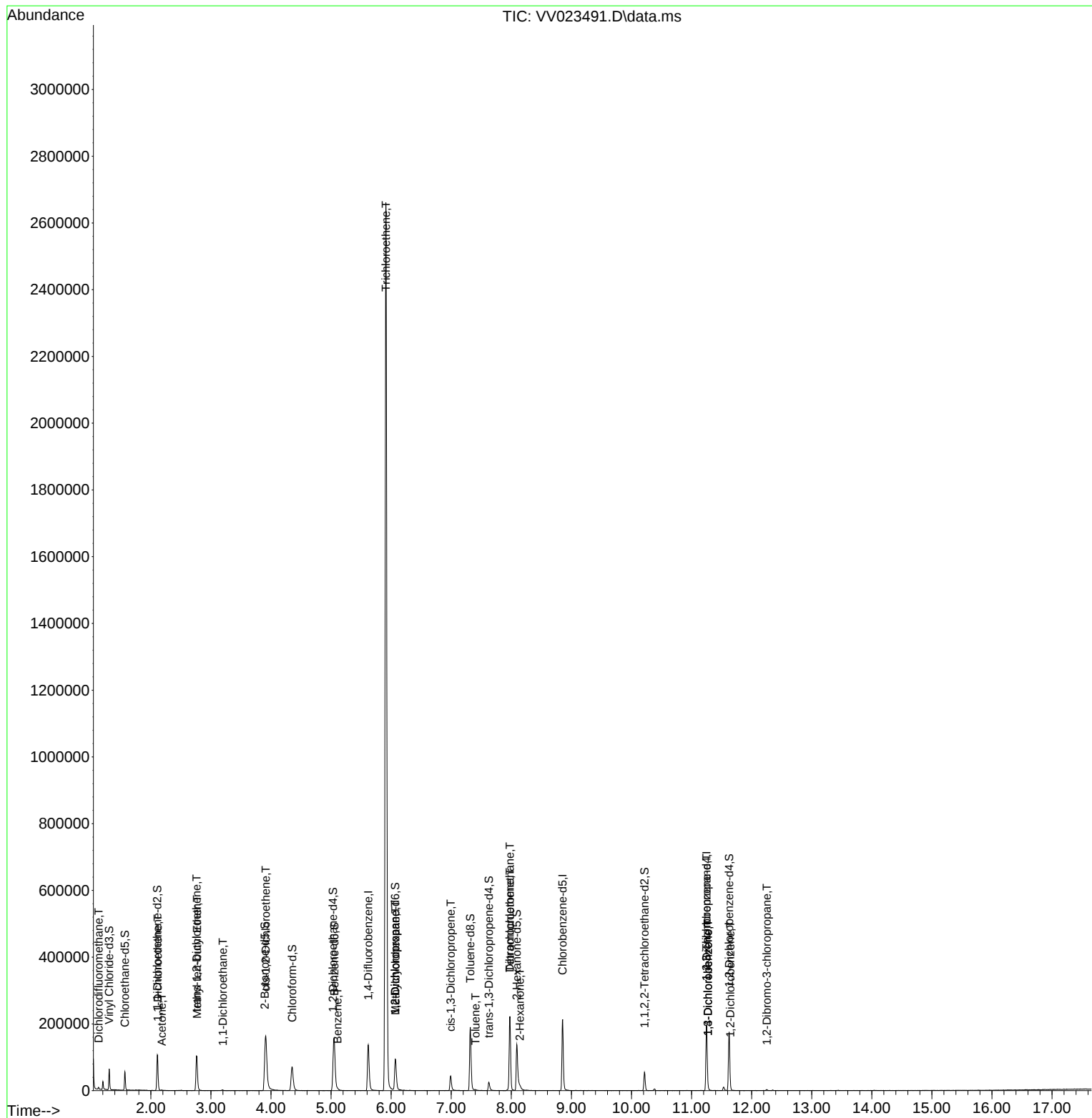
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.648	146	1056	0.074	ug/L #	83
68) 1,2-Dibromo-3-chloropr...	12.252	75	91	0.119	ug/L #	1

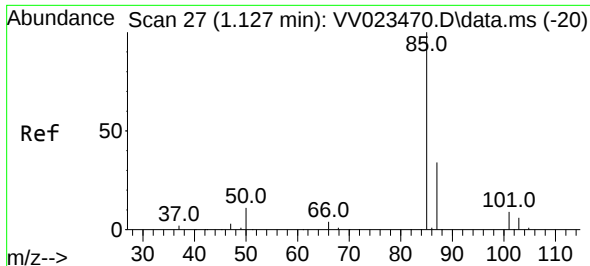
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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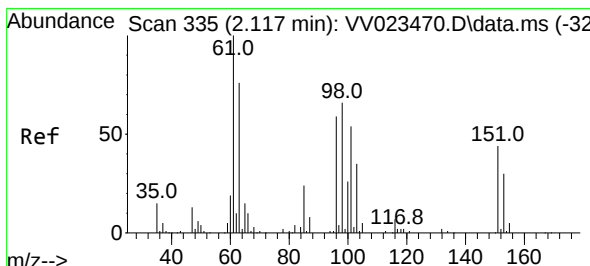
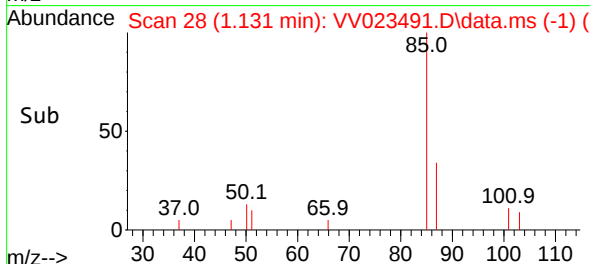
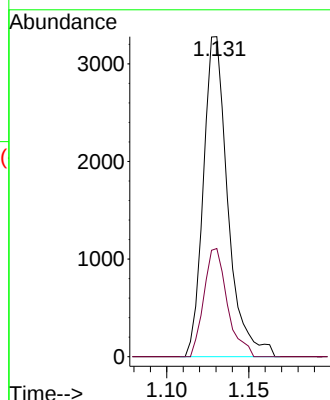
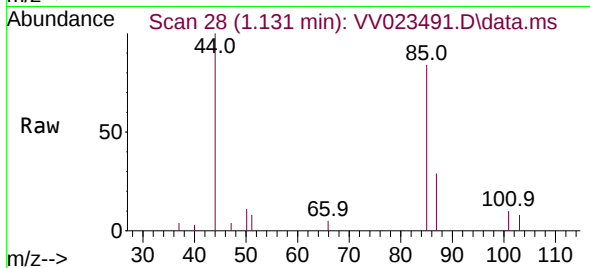




#2
 Dichlorodifluoromethane
 Concen: 0.292 ug/L
 RT: 1.131 min Scan# 27
 Delta R.T. 0.003 min
 Lab File: VV023491.D
 Acq: 15 Nov 2021 18:42

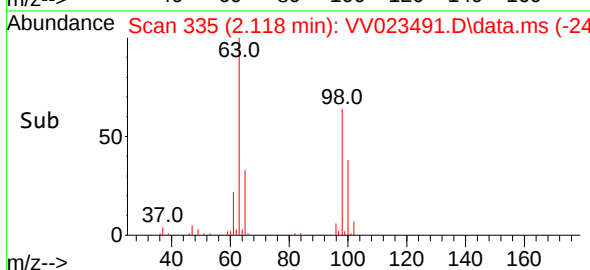
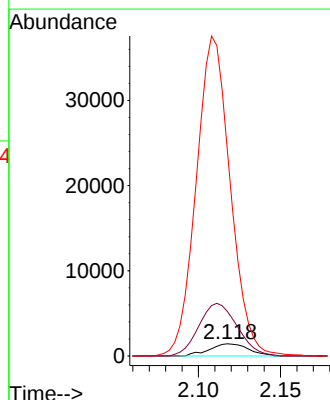
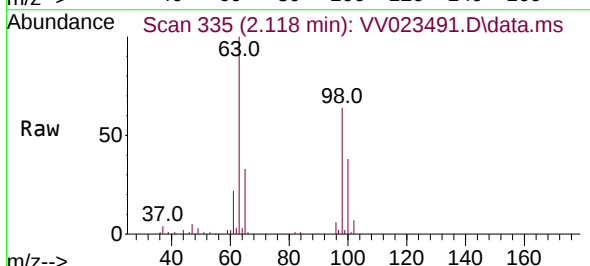
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 MSVOA_V
 ClientSampleId :
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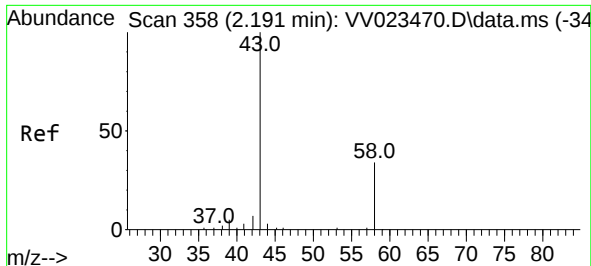
Tgt Ion: 85 Resp: 3401
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.6 39.8



#12
 1,1-Dichloroethene
 Concen: 0.333 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV023491.D
 Acq: 15 Nov 2021 18:42

Tgt Ion: 96 Resp: 2365
 Ion Ratio Lower Upper
 96 100
 61 364.9 121.5 225.7#
 63 1684.5 99.6 185.0#

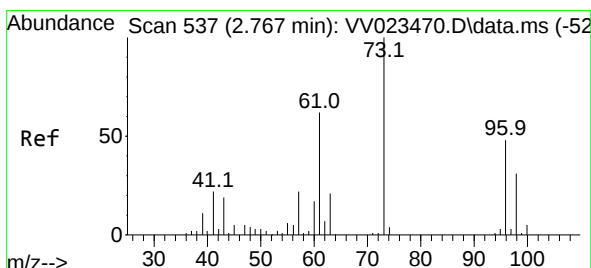
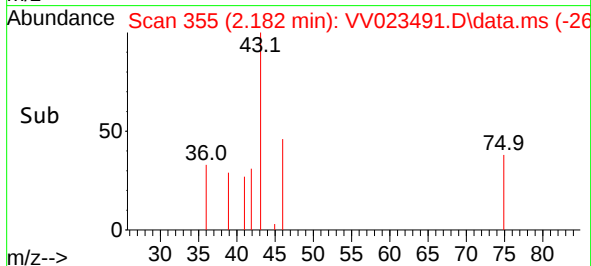
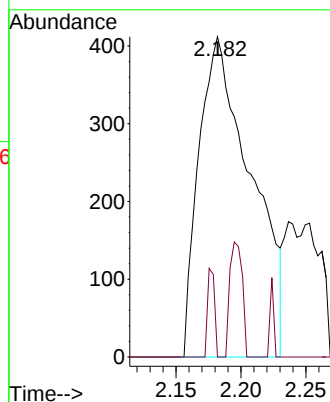
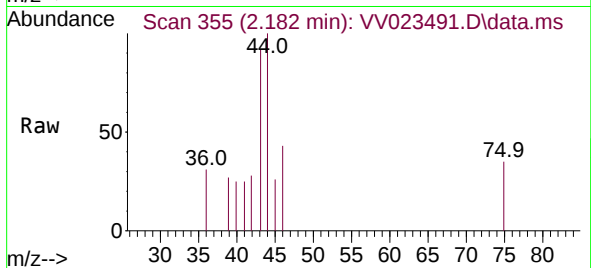




#13
Acetone
Concen: 1.462 ug/L
RT: 2.182 min Scan# 31
Delta R.T. -0.009 min
Lab File: VV023491.D
Acq: 15 Nov 2021 18:42

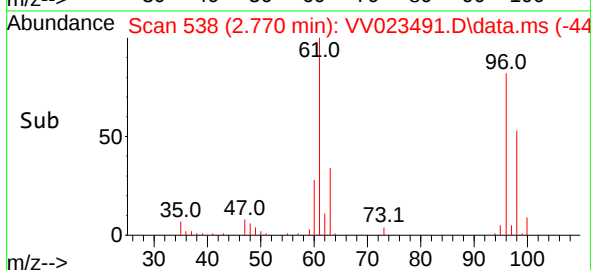
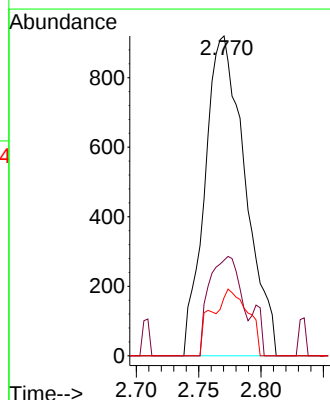
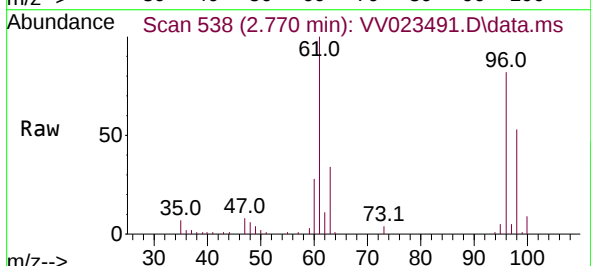
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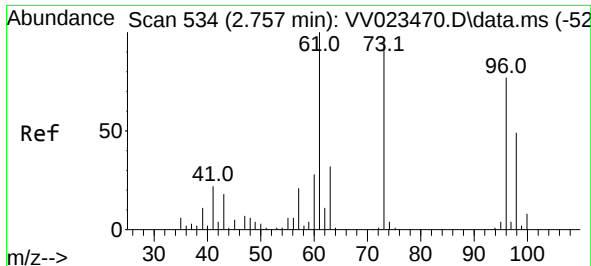
Tgt Ion: 43 Resp: 1150
Ion Ratio Lower Upper
43 100
58 3.7 0.0 55.4



#17
Methyl tert-butyl Ether
Concen: 0.132 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV023491.D
Acq: 15 Nov 2021 18:42

Tgt Ion: 73 Resp: 2071
Ion Ratio Lower Upper
73 100
43 24.4 17.4 26.0
57 13.9 16.5 24.7#

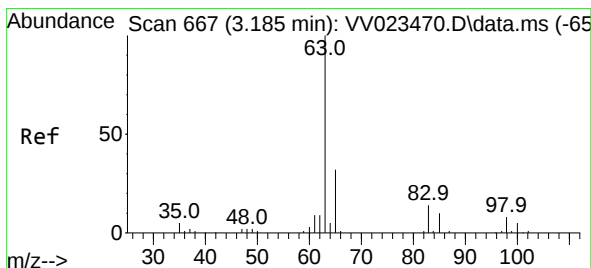
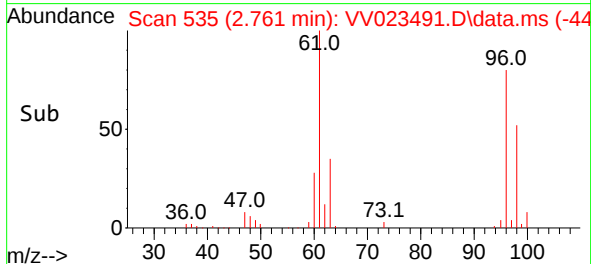
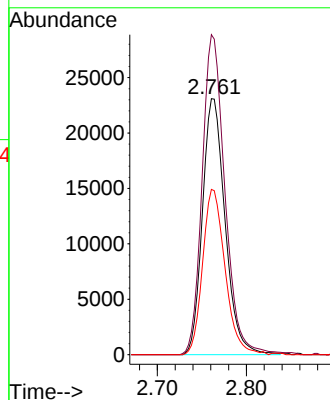
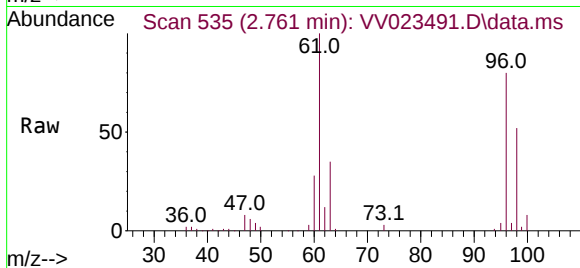




#18
trans-1,2-Dichloroethene
Concen: 4.678 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV023491.D
Acq: 15 Nov 2021 18:42

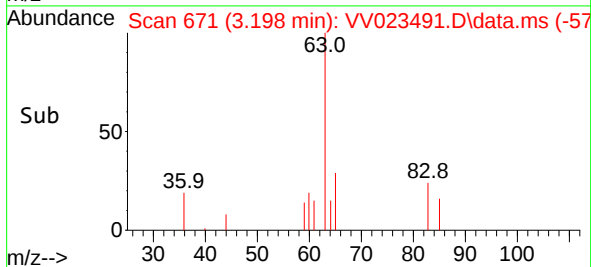
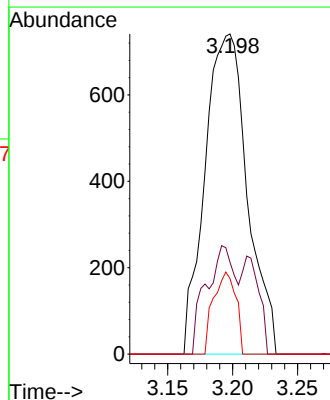
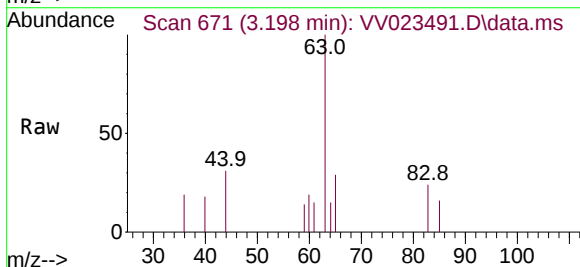
Instrument :
MSVOA_V
ClientSampleId :
BG225

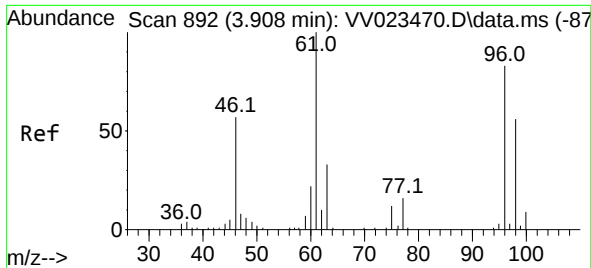
Tgt Ion: 96 Resp: 40900
Ion Ratio Lower Upper
96 100
61 125.0 93.2 173.2
98 64.6 47.0 87.2



#19
1,1-Dichloroethane
Concen: 0.114 ug/L
RT: 3.198 min Scan# 671
Delta R.T. 0.013 min
Lab File: VV023491.D
Acq: 15 Nov 2021 18:42

Tgt Ion: 63 Resp: 1684
Ion Ratio Lower Upper
63 100
65 28.7 22.6 42.0
83 23.6 11.1 20.7#





#22

cis-1,2-Dichloroethene

Concen: 9.669 ug/L

RT: 3.912 min Scan# 892

Delta R.T. 0.003 min

Lab File: VV023491.D

Acq: 15 Nov 2021 18:42

Instrument :

MSVOA_V

ClientSampleId :

BG225

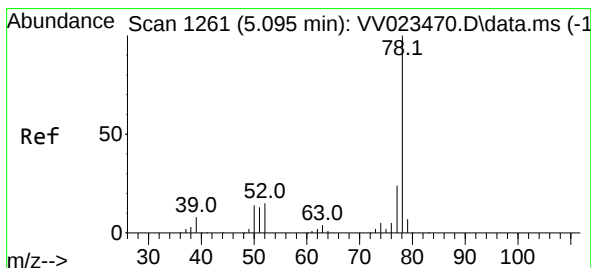
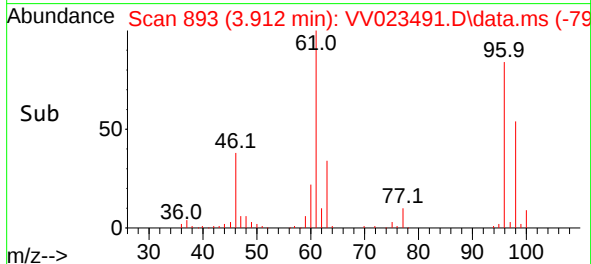
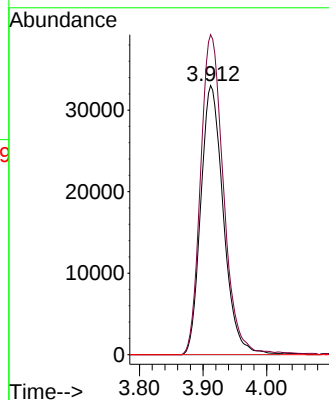
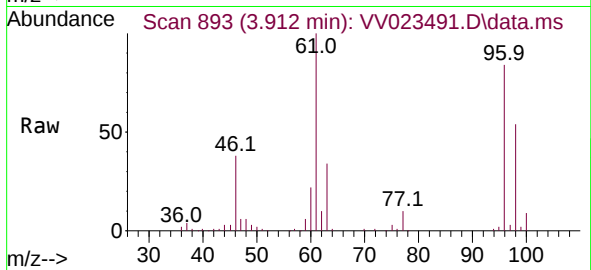
Tgt Ion: 96 Resp: 81351

Ion Ratio Lower Upper

96 100

61 118.9 92.3 171.3

68 0.0 0.4 0.8#



#33

Benzene

Concen: 0.127 ug/L

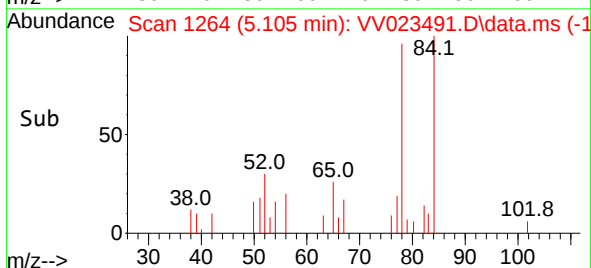
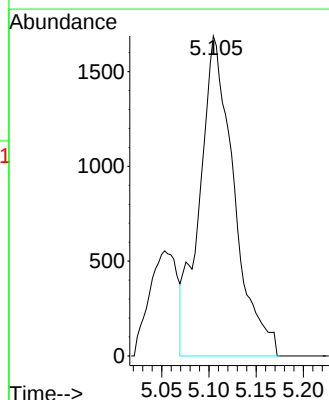
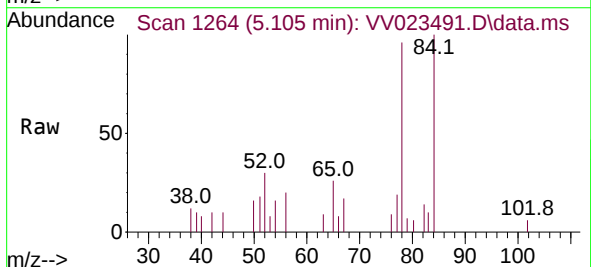
RT: 5.105 min Scan# 1264

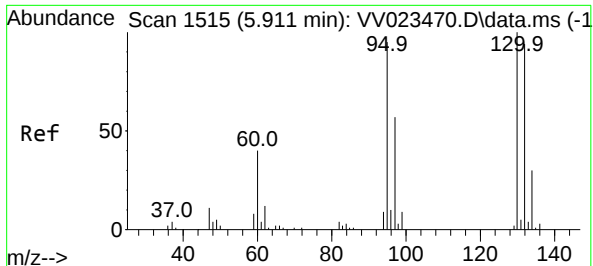
Delta R.T. 0.010 min

Lab File: VV023491.D

Acq: 15 Nov 2021 18:42

Tgt Ion: 78 Resp: 4272

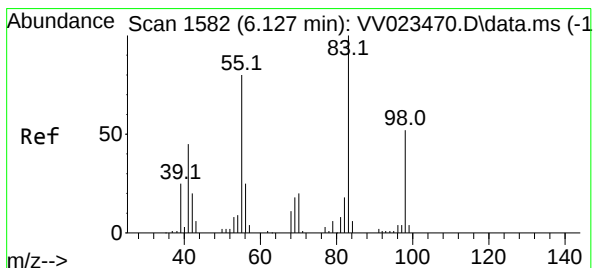
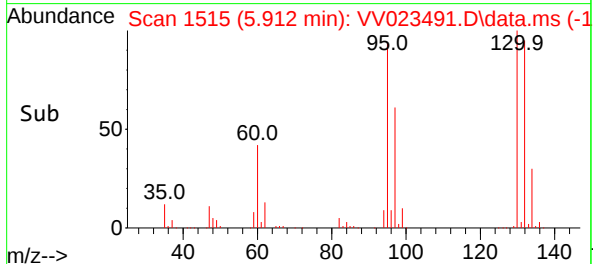
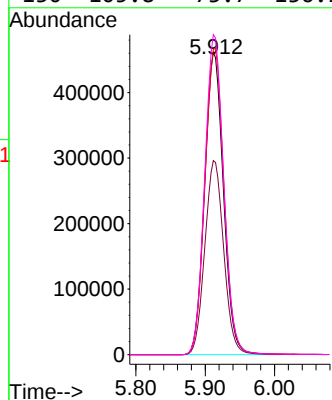
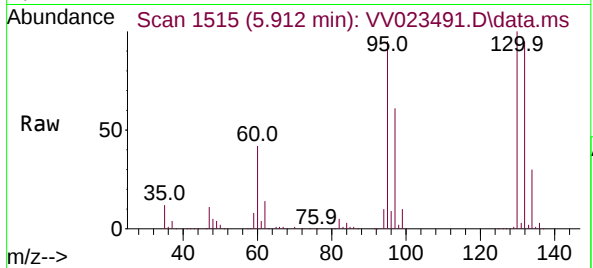




#34
Trichloroethene
Concen: 97.173 ug/L
RT: 5.912 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV023491.D
Acq: 15 Nov 2021 18:42

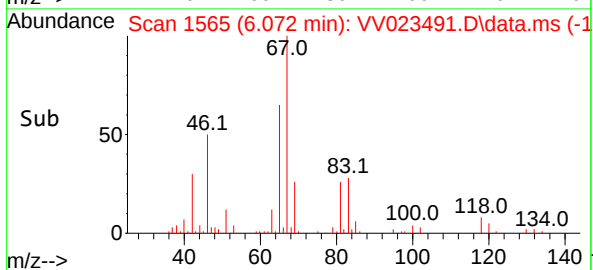
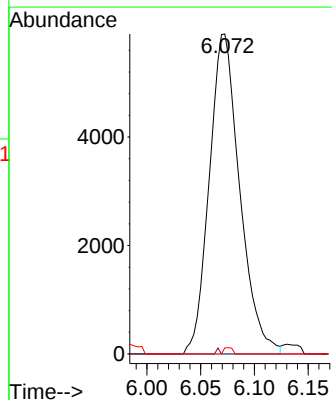
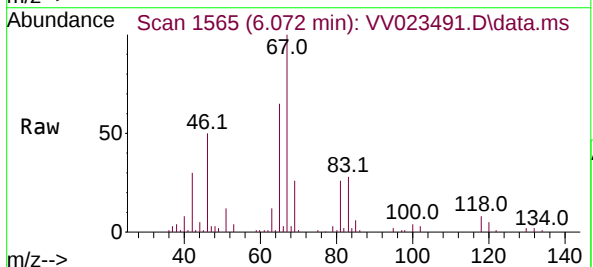
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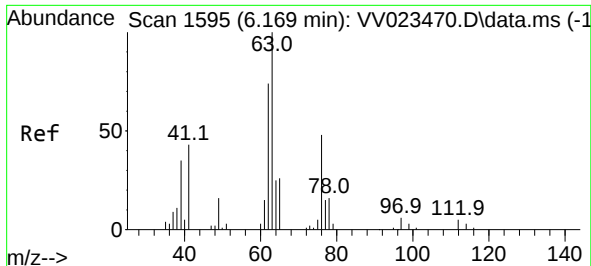
Tgt Ion: 95 Resp: 868735
Ion Ratio Lower Upper
95 100
97 64.1 45.0 83.6
132 100.9 69.7 129.4
130 105.8 73.7 136.9



#35
Methylcyclohexane
Concen: 0.824 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.054 min
Lab File: VV023491.D
Acq: 15 Nov 2021 18:42

Tgt Ion: 83 Resp: 11634
Ion Ratio Lower Upper
83 100
55 0.2 62.8 94.2#
98 0.0 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.636 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.099 min

Lab File: VV023491.D

Acq: 15 Nov 2021 18:42

Instrument :

MSVOA_V

ClientSampleId :

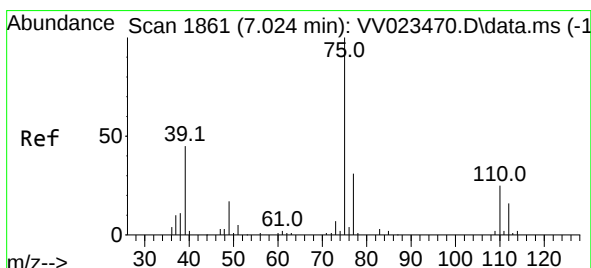
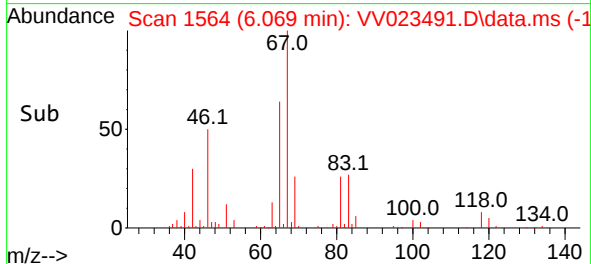
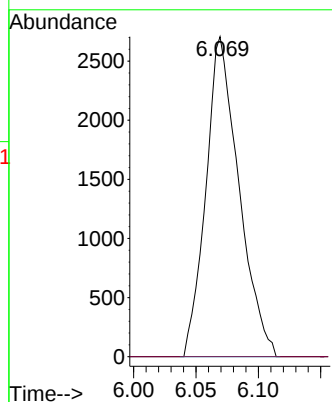
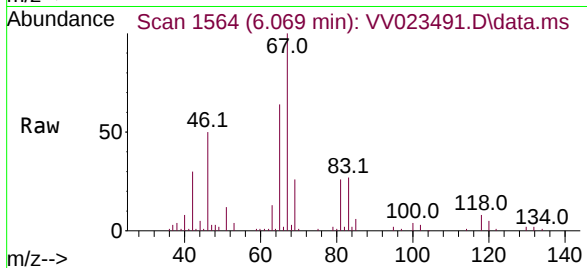
BG225

Tgt Ion: 63 Resp: 4993

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.032 min

Lab File: VV023491.D

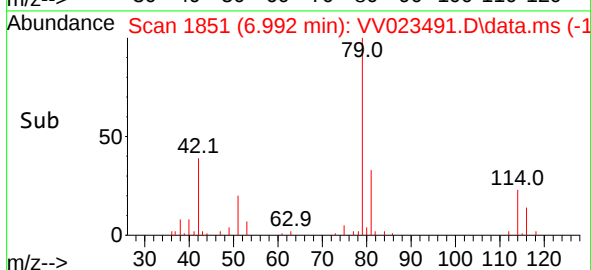
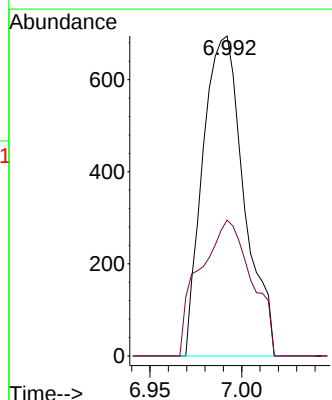
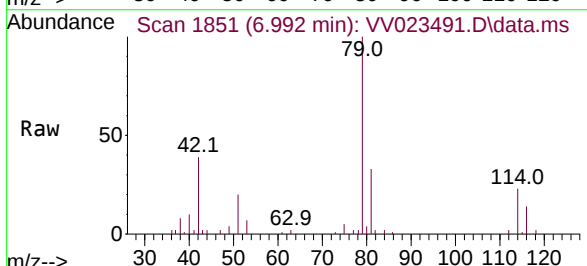
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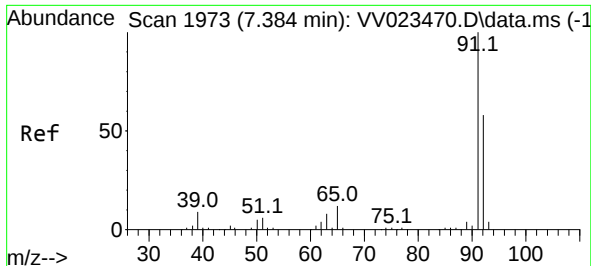
Tgt Ion: 75 Resp: 1083

Ion Ratio Lower Upper

75 100

77 42.4 21.6 40.2#





#42

Toluene

Concen: 0.065 ug/L

RT: 7.404 min Scan# 1973

Delta R.T. 0.020 min

Lab File: VV023491.D

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ClientSampleId :

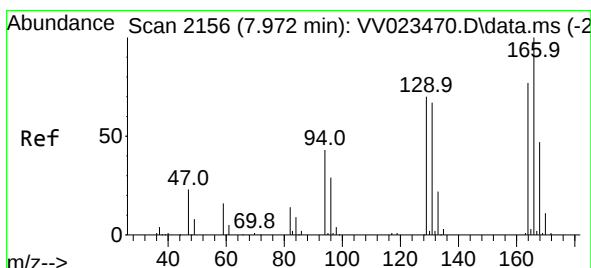
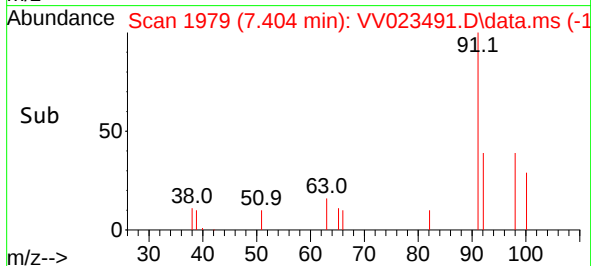
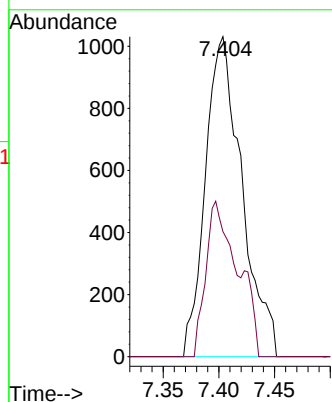
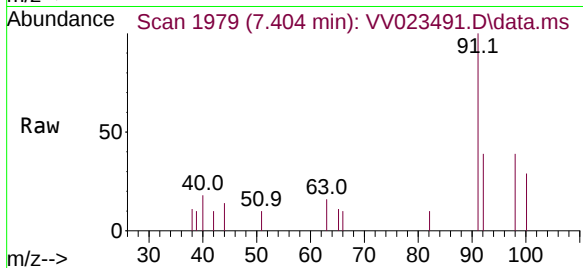
BG225

Tgt Ion: 91 Resp: 2346

Ion Ratio Lower Upper

91 100

92 39.1 39.3 72.9#



#47

Tetrachloroethene

Concen: 6.608 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV023491.D

Acq: 15 Nov 2021 18:42

Tgt Ion: 164 Resp: 51196

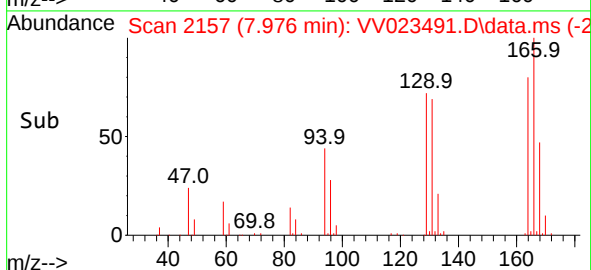
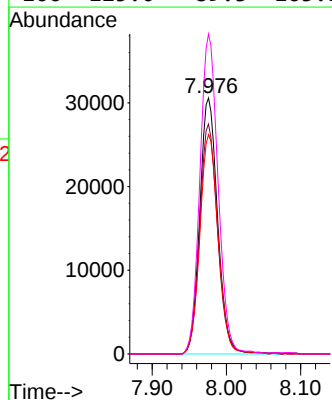
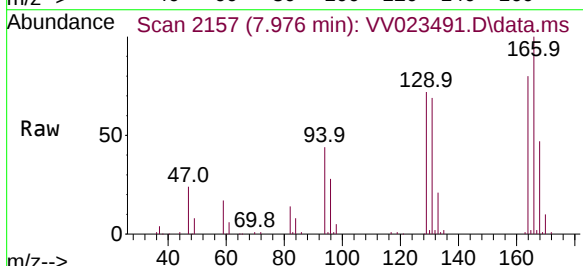
Ion Ratio Lower Upper

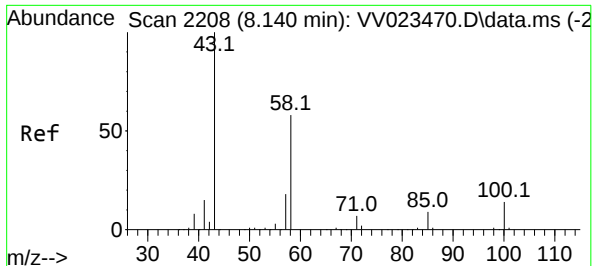
164 100

129 89.8 64.0 119.0

131 85.7 63.4 117.8

166 125.0 89.3 165.9

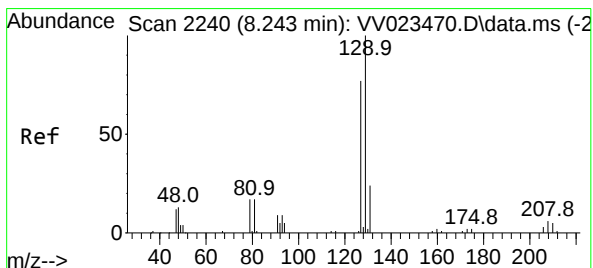
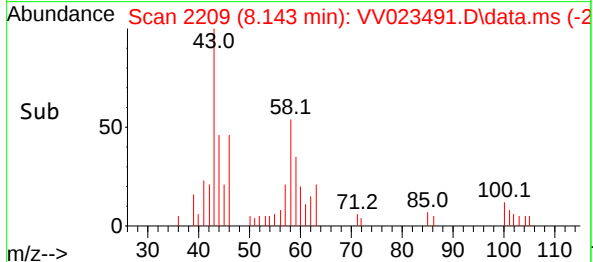
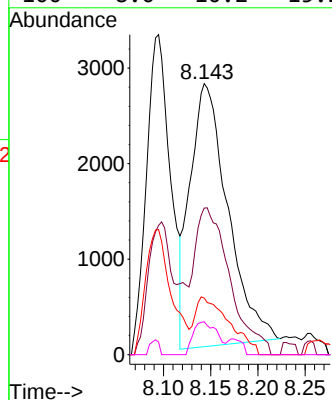
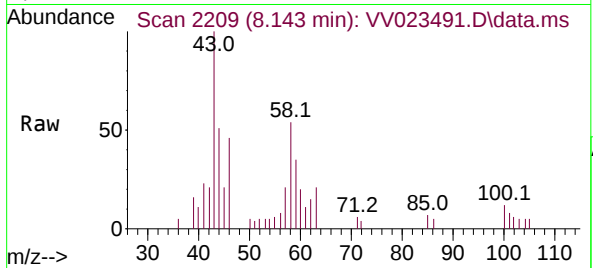




#48
2-Hexanone
Concen: 2.993 ug/L
RT: 8.143 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV023491.D
Acq: 15 Nov 2021 18:42

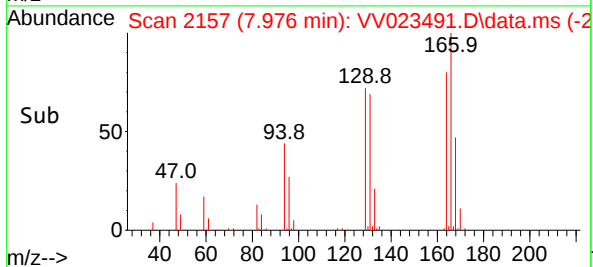
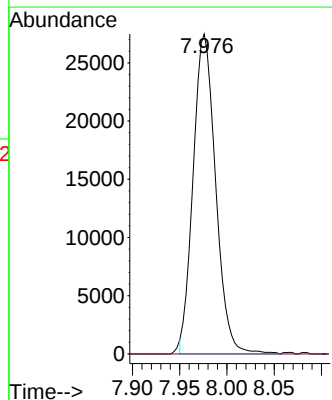
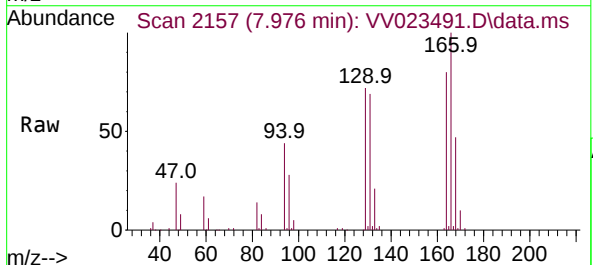
Instrument :
MSVOA_V
ClientSampleId :
BG225

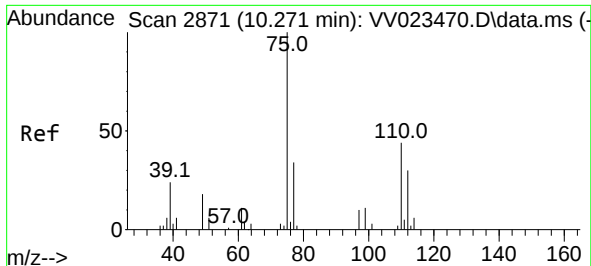
Tgt Ion: 43 Resp: 7634
Ion Ratio Lower Upper
43 100
58 51.7 43.7 65.5
57 20.0 14.1 21.1
100 8.0 10.2 15.2#



#49
Dibromochloromethane
Concen: 6.362 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.267 min
Lab File: VV023491.D
Acq: 15 Nov 2021 18:42

Tgt Ion: 129 Resp: 45460
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#

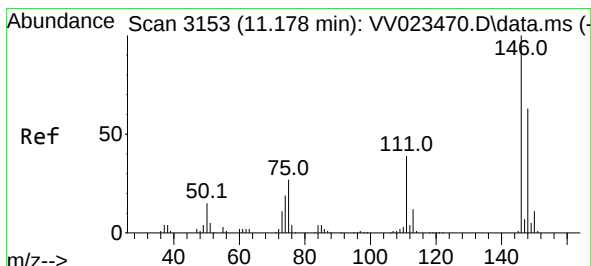
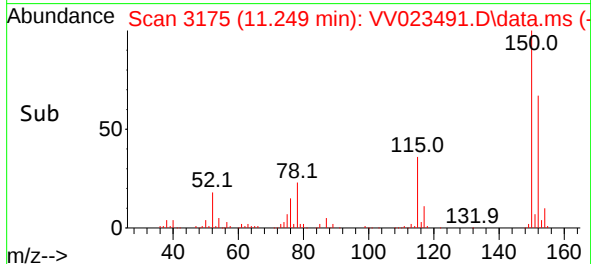
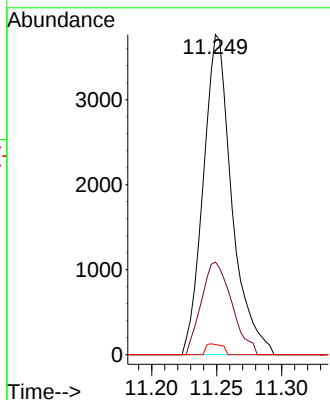
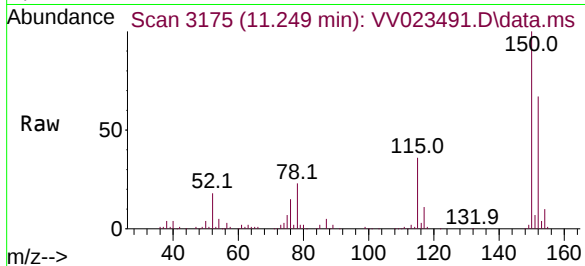




#61
1,2,3-Trichloropropane
Concen: 1.601 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.978 min
Lab File: VV023491.D
Acq: 15 Nov 2021 18:42

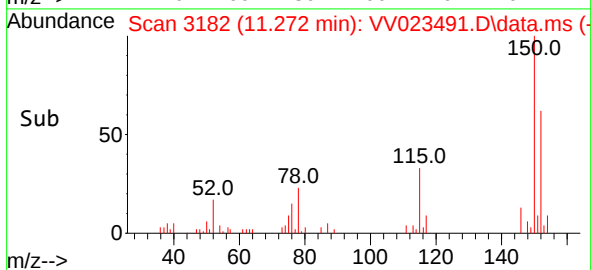
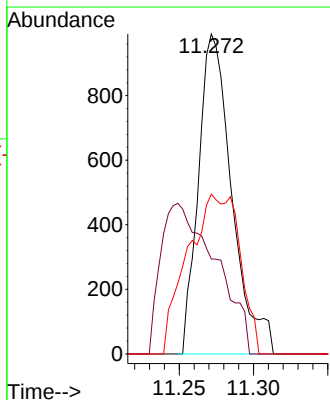
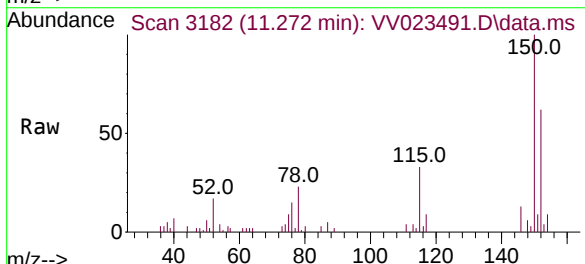
Instrument :
MSVOA_V
ClientSampleId :
BG225

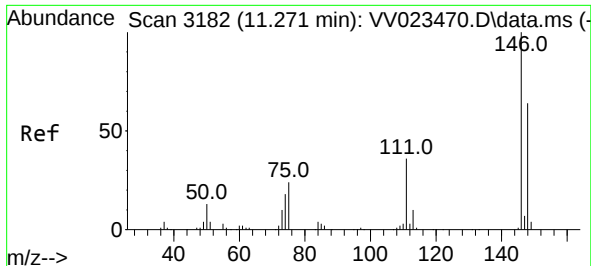
Tgt Ion: 75 Resp: 5759
Ion Ratio Lower Upper
75 100
77 30.9 26.6 39.8
110 1.9 31.8 47.6#



#64
1,3-Dichlorobenzene
Concen: 0.098 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.093 min
Lab File: VV023491.D
Acq: 15 Nov 2021 18:42

Tgt Ion: 146 Resp: 1550
Ion Ratio Lower Upper
146 100
111 29.7 26.7 49.7
148 49.9 42.9 79.7

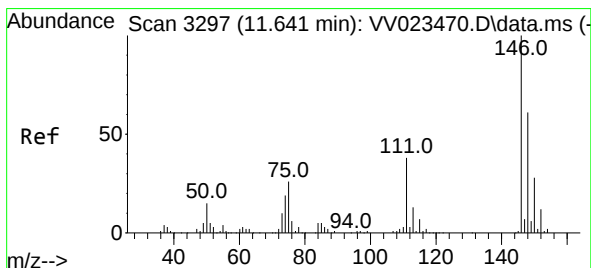
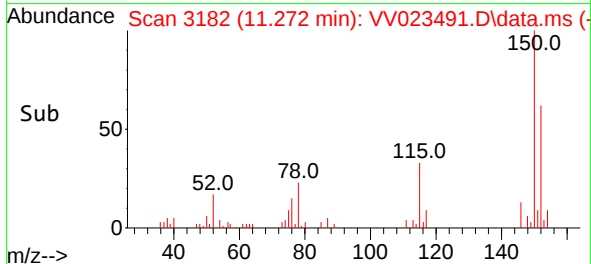
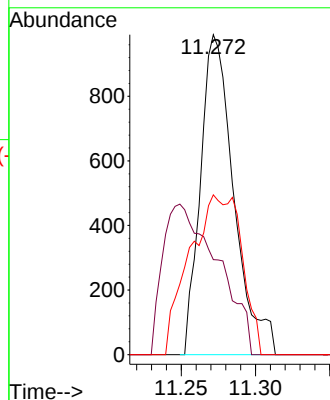
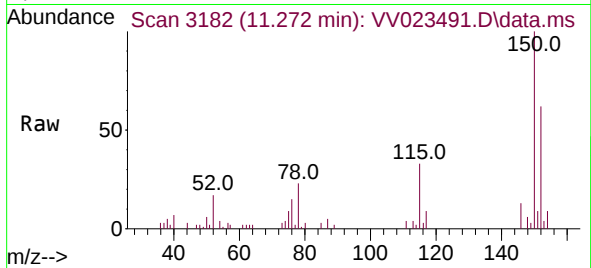




#65
1,4-Dichlorobenzene
Concen: 0.096 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV023491.D
Acq: 15 Nov 2021 18:42

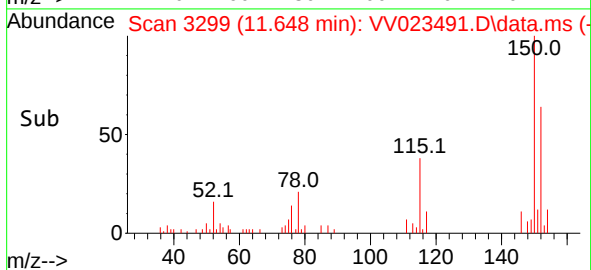
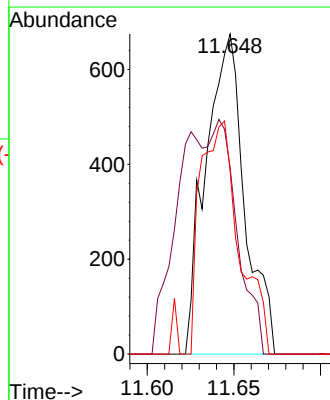
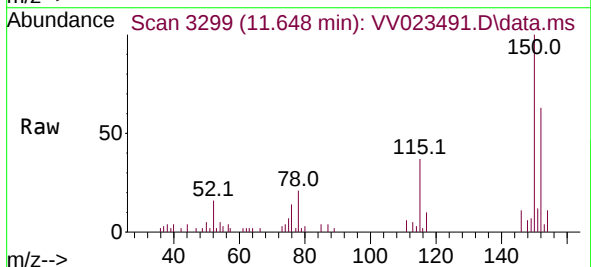
Instrument :
MSVOA_V
ClientSampleId :
BG225

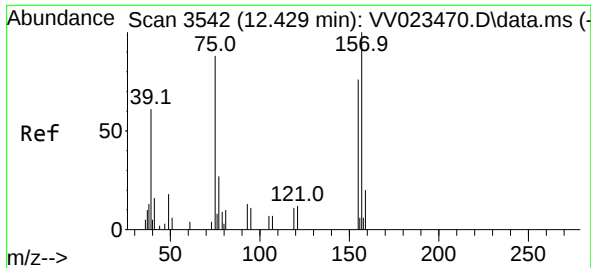
Tgt Ion:	146	Resp:	1550
Ion	Ratio	Lower	Upper
146	100		
111	29.7	26.2	48.8
148	49.9	44.4	82.5



#67
1,2-Dichlorobenzene
Concen: 0.074 ug/L
RT: 11.648 min Scan# 3299
Delta R.T. 0.007 min
Lab File: VV023491.D
Acq: 15 Nov 2021 18:42

Tgt Ion:	146	Resp:	1056
Ion	Ratio	Lower	Upper
146	100		
111	58.4	31.6	47.4#
148	57.2	51.0	76.6





#68

1,2-Dibromo-3-chloropropane

Concen: 0.119 ug/L

RT: 12.252 min Scan# 34

Delta R.T. -0.177 min

Lab File: VV023491.D

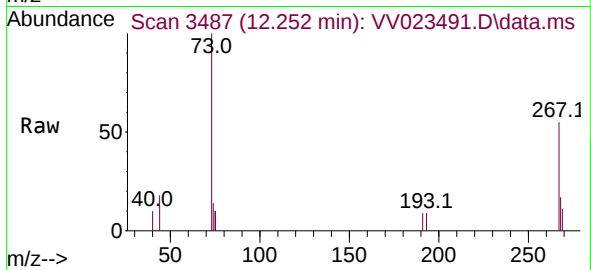
Acq: 15 Nov 2021 18:42

Instrument :

MSVOA_V

ClientSampleId :

BG225



Tgt Ion: 75 Resp: 91

Ion Ratio Lower Upper

75 100

155 0.0 67.7 101.5#

157 0.0 87.9 131.9#

