

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110521\
 Data File : VW023223.D
 Acq On : 05 Nov 2021 11:39
 Operator : SY/MD
 Sample : M4492-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG1S1

Quant Time: Nov 09 02:16:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 09 02:04:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	139782	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	130452	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	61640	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	42963	4.906	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	98.200%	
7) Chloroethane-d5	1.568	69	37159	5.207	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	104.200%	
11) 1,1-Dichloroethene-d2	2.111	63	69672	4.250	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	85.000%	
20) 2-Butanone-d5	3.902	46	73461	48.693	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	97.380%	
24) Chloroform-d	4.352	84	91522	4.904	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.000%	
26) 1,2-Dichloroethane-d4	5.037	65	44227	5.270	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	105.400%	
32) Benzene-d6	5.053	84	182001	5.437	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	108.800%	
36) 1,2-Dichloropropane-d6	6.072	67	56329	5.717	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	114.400%	
41) Toluene-d8	7.317	98	156154	4.978	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	99.600%	
43) trans-1,3-Dichloroprop...	7.625	79	18929	5.066	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	101.400%	
46) 2-Hexanone-d5	8.092	63	66590	48.443	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	96.880%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	36742	5.185	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	103.800%	
66) 1,2-Dichlorobenzene-d4	11.625	152	59619	5.809	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	116.200%	
Target Compounds						Qvalue
3) Chloromethane	1.240	50	1635	0.141	ug/L	91
5) Vinyl chloride	1.311	62	6368	0.550	ug/L	91
8) Chloroethane	1.584	64	905	0.135	ug/L	86
12) 1,1-Dichloroethene	2.121	96	17911	2.149	ug/L #	73
18) trans-1,2-Dichloroethene	2.767	96	4675	0.456	ug/L	98
19) 1,1-Dichloroethane	3.195	63	61541	3.557	ug/L	98
22) cis-1,2-Dichloroethene	3.912	96	352774	35.773	ug/L #	93
27) 1,2-Dichloroethane	5.130	62	86144	8.782	ug/L	99
30) Cyclohexane	4.677	56	1310	0.092	ug/L	88
33) Benzene	5.098	78	1955599	53.634	ug/L	100
34) Trichloroethene	5.921	95	8685739	895.789	ug/L	96
42) Toluene	7.397	91	10039	0.257	ug/L	95
47) Tetrachloroethene	7.979	164	15045	1.790	ug/L	99
51) Chlorobenzene	8.883	112	149743	5.777	ug/L	98
52) Ethylbenzene	9.018	91	11600	0.282	ug/L	97
65) 1,4-Dichlorobenzene	11.272	146	2323	0.126	ug/L	92
67) 1,2-Dichlorobenzene	11.648	146	1494	0.092	ug/L	95
70) 1,2,4-trichlorobenzene	13.265	180	1269	0.112	ug/L	97

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ALS Vial : 6 Sample Multiplier: 1

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Quant Time: Nov 09 02:16:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 09 02:04:24 2021
Response via : Initial Calibration

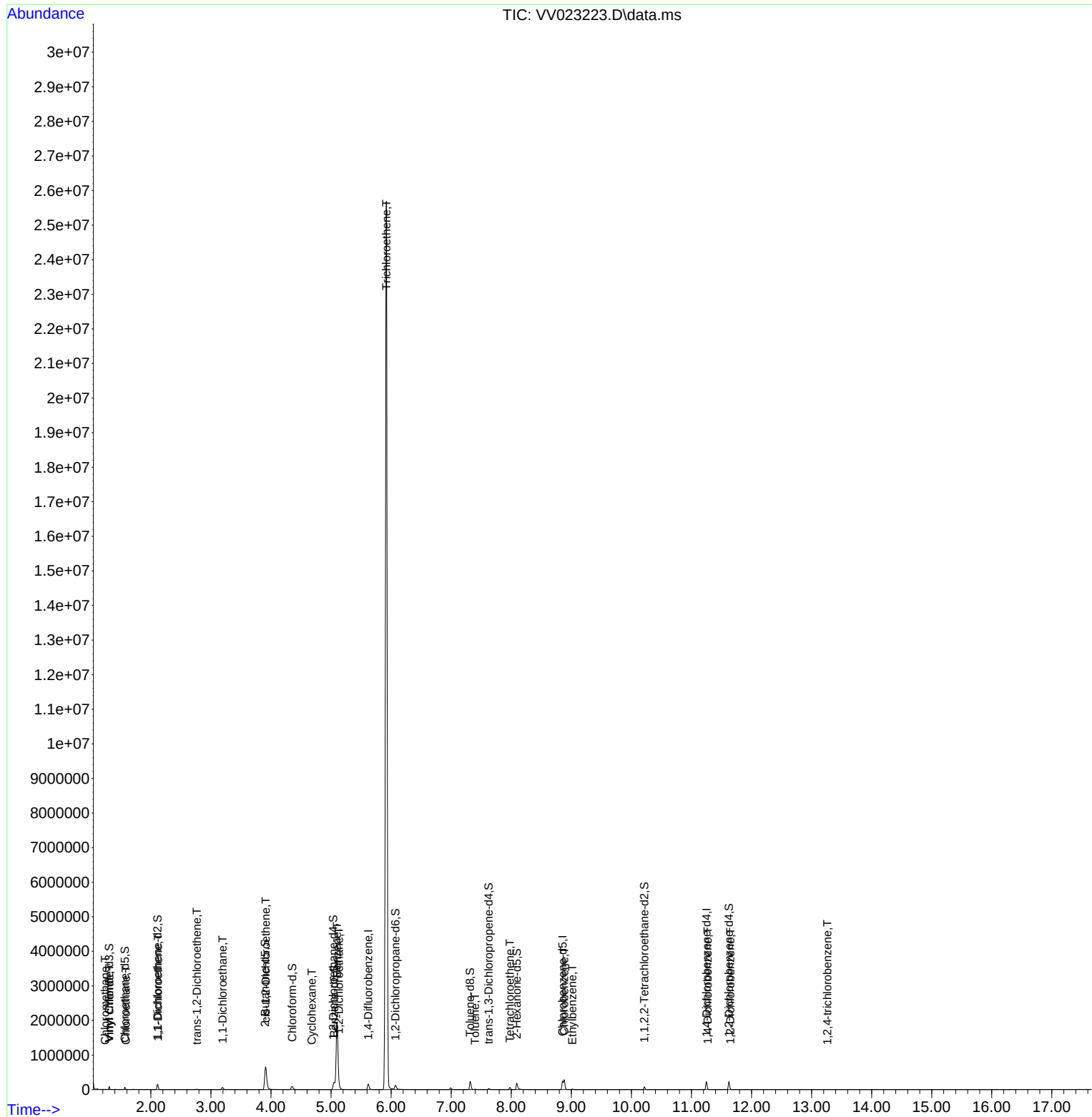
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

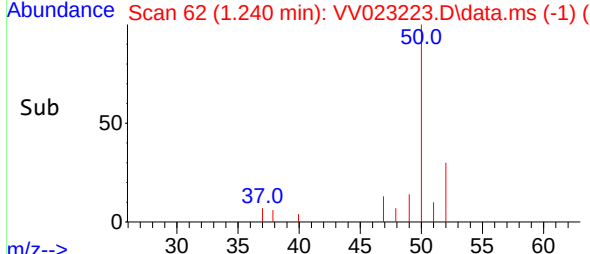
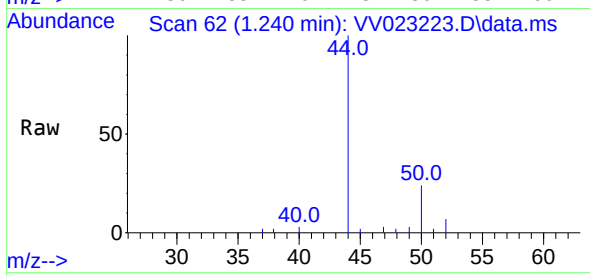
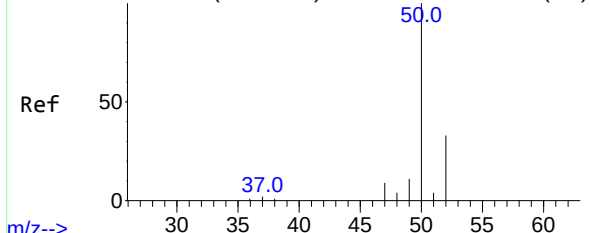
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV110521\
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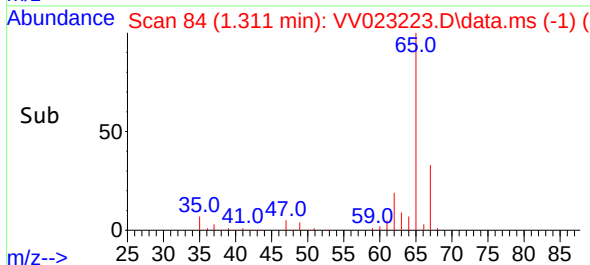
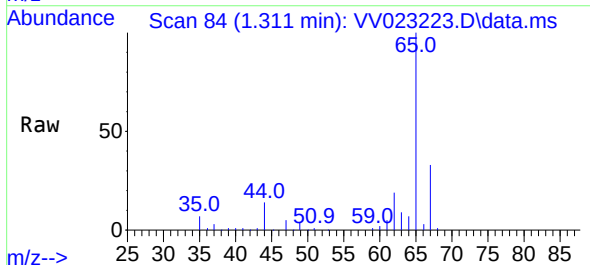
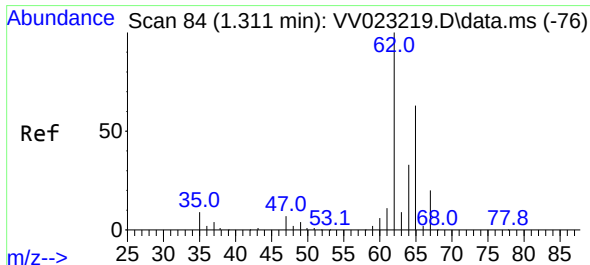
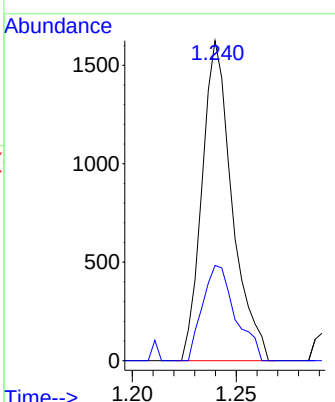
Abundance Scan 62 (1.240 min): VV023219.D\data.ms (-53)



#3
Chloromethane
Concen: 0.141 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV023223.D
Acq: 05 Nov 2021 11:39

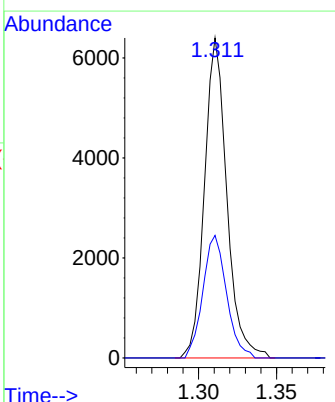
Instrument :
MSVOA_V
ClientSampleId :
BG1S1

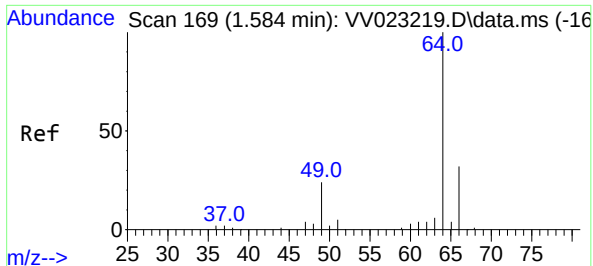
Tgt Ion:	50	Resp:	1635
Ion Ratio	Lower	Upper	
50	100		
52	29.7	24.3	45.1



#5
Vinyl chloride
Concen: 0.550 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV023223.D
Acq: 05 Nov 2021 11:39

Tgt Ion:	62	Resp:	6368
Ion Ratio	Lower	Upper	
62	100		
64	38.3	23.1	42.9

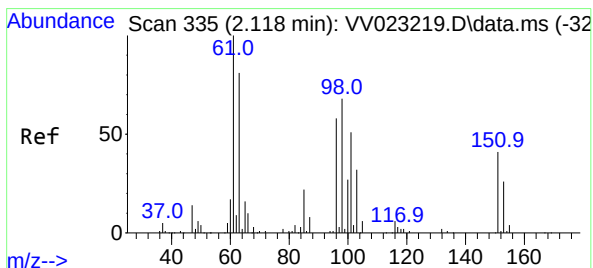
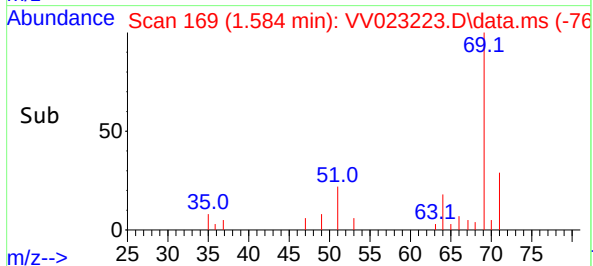
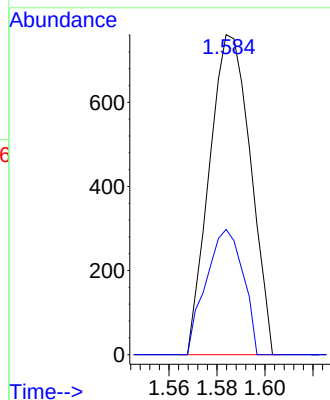
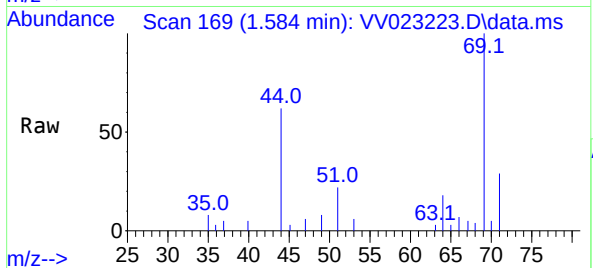




#8
Chloroethane
Concen: 0.135 ug/L
RT: 1.584 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV023223.D
Acq: 05 Nov 2021 11:39

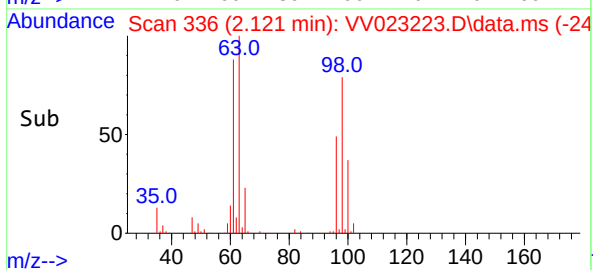
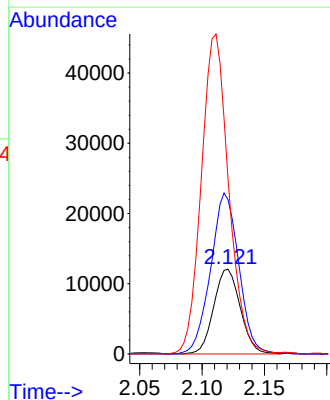
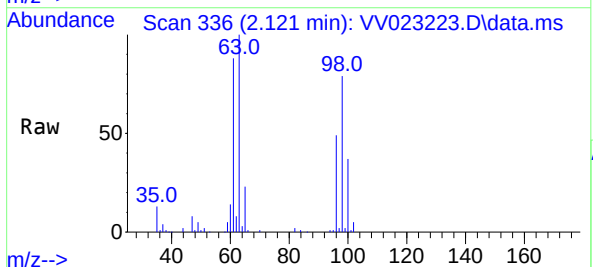
Instrument :
MSVOA_V
ClientSampleId :
BG1S1

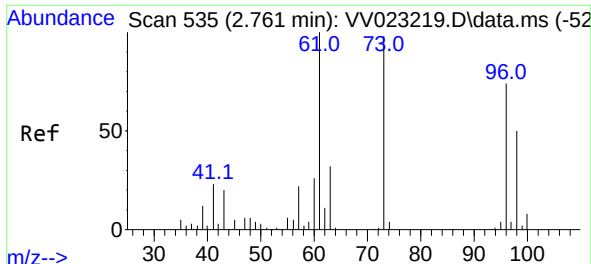
Tgt Ion: 64 Resp: 905
Ion Ratio Lower Upper
64 100
66 39.2 22.1 41.1



#12
1,1-Dichloroethene
Concen: 2.149 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV023223.D
Acq: 05 Nov 2021 11:39

Tgt Ion: 96 Resp: 17911
Ion Ratio Lower Upper
96 100
61 182.0 121.5 225.7
63 206.1 99.6 185.0#

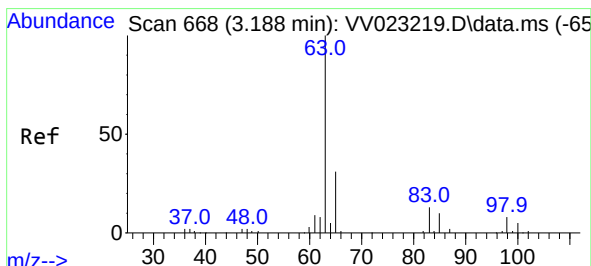
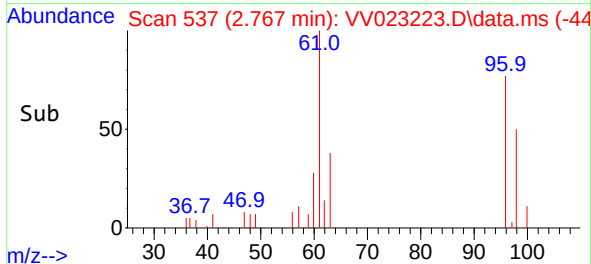
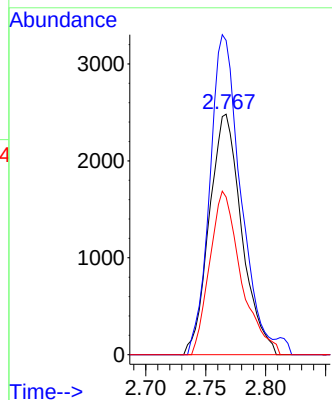
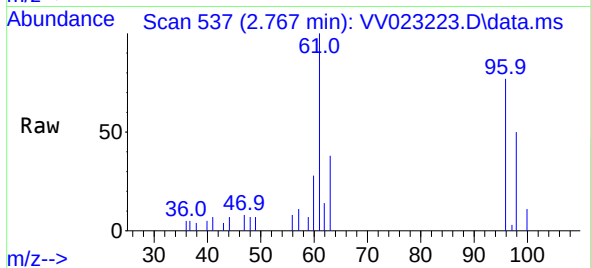




#18
trans-1,2-Dichloroethene
Concen: 0.456 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV023223.D
Acq: 05 Nov 2021 11:39

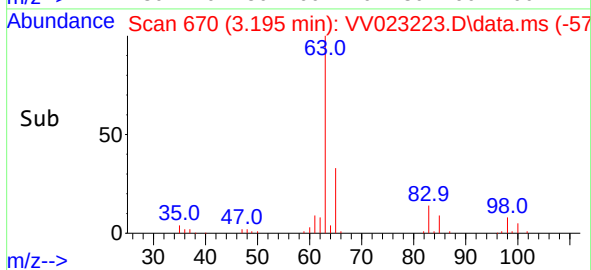
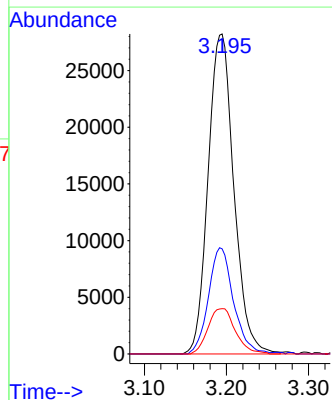
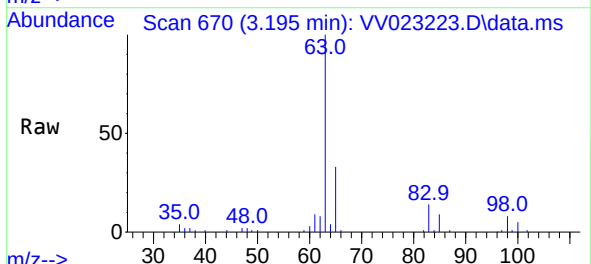
Instrument :
MSVOA_V
ClientSampleId :
BG1S1

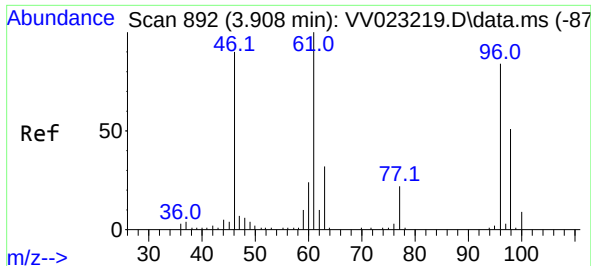
Tgt Ion: 96 Resp: 4675
Ion Ratio Lower Upper
96 100
61 130.7 93.2 173.2
98 65.5 47.0 87.2



#19
1,1-Dichloroethane
Concen: 3.557 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.006 min
Lab File: VV023223.D
Acq: 05 Nov 2021 11:39

Tgt Ion: 63 Resp: 61541
Ion Ratio Lower Upper
63 100
65 32.9 22.6 42.0
83 14.2 11.1 20.7

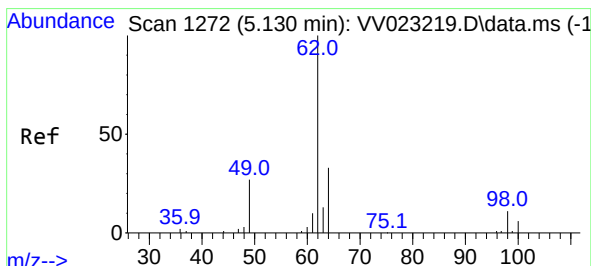
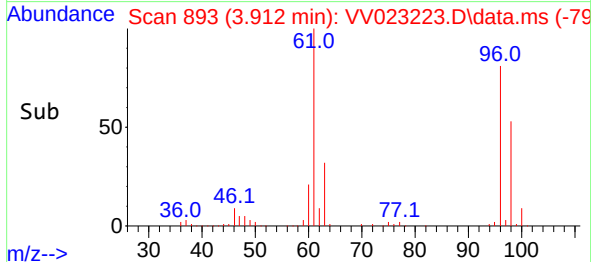
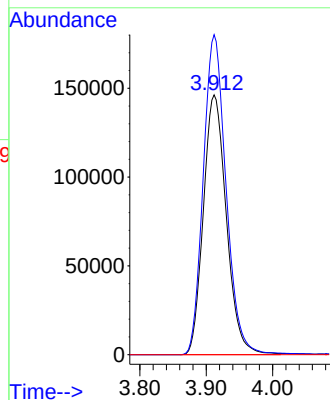
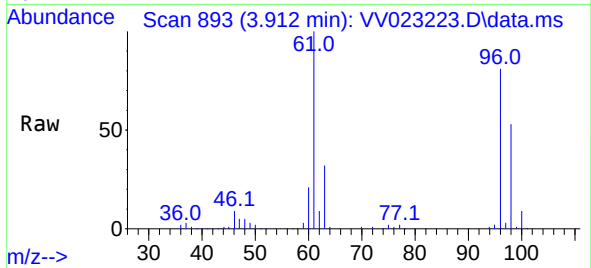




#22
 cis-1,2-Dichloroethene
 Concen: 35.773 ug/L
 RT: 3.912 min Scan# 892
 Delta R.T. 0.003 min
 Lab File: VV023223.D
 Acq: 05 Nov 2021 11:39

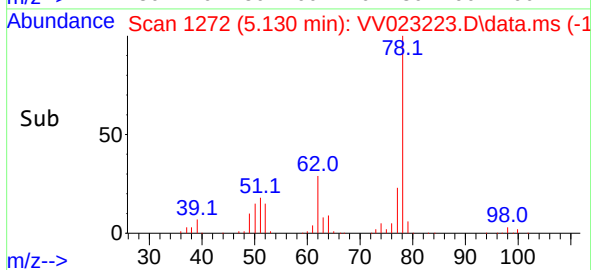
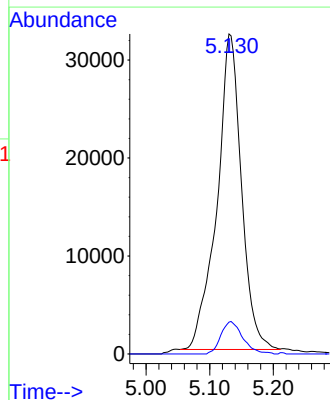
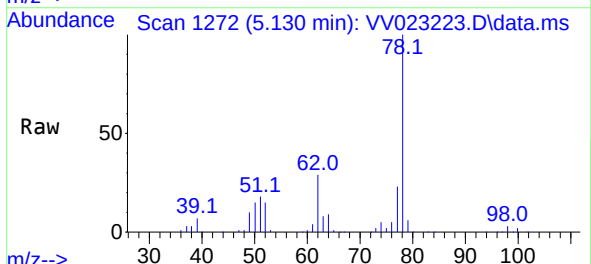
Instrument :
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 ClientSampleId :
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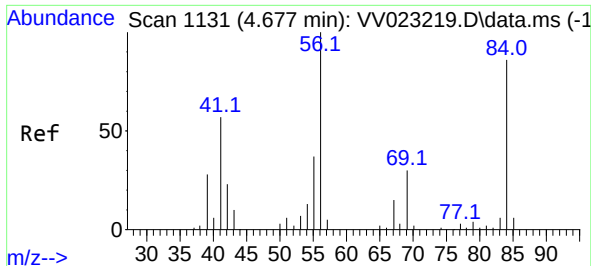
Tgt Ion: 96 Resp: 352774
 Ion Ratio Lower Upper
 96 100
 61 123.1 92.3 171.3
 68 0.0 0.4 0.8#



#27
 1,2-Dichloroethane
 Concen: 8.782 ug/L
 RT: 5.130 min Scan# 1272
 Delta R.T. 0.000 min
 Lab File: VV023223.D
 Acq: 05 Nov 2021 11:39

Tgt Ion: 62 Resp: 86144
 Ion Ratio Lower Upper
 62 100
 98 9.9 8.2 12.4



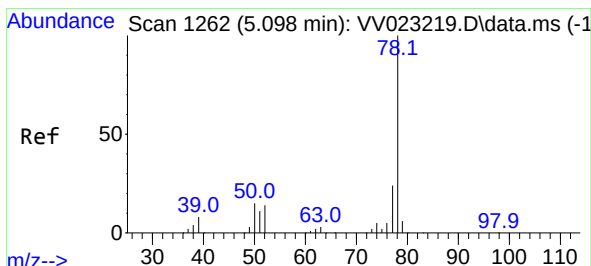
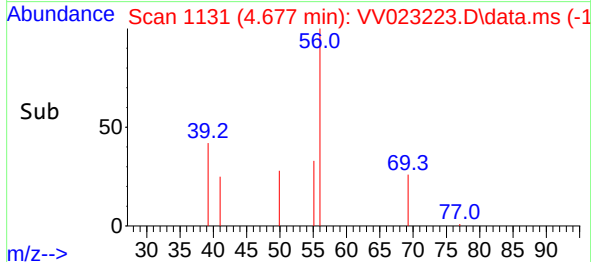
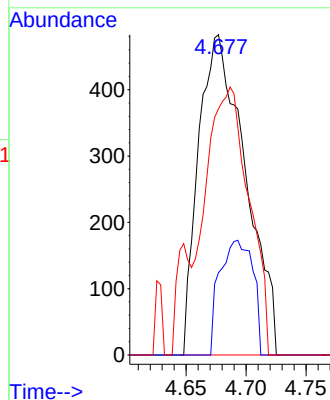
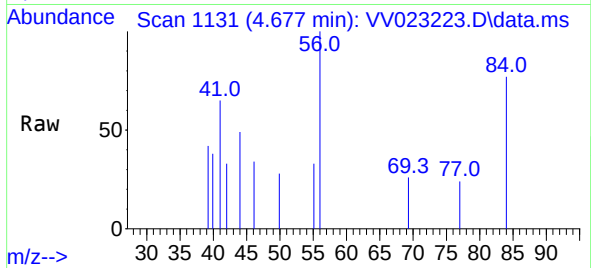


#30
Cyclohexane
Concen: 0.092 ug/L
RT: 4.677 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VV023223.D
Acq: 05 Nov 2021 11:39

Instrument :
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ClientSampleId :
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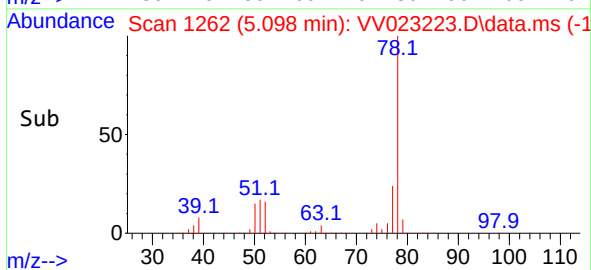
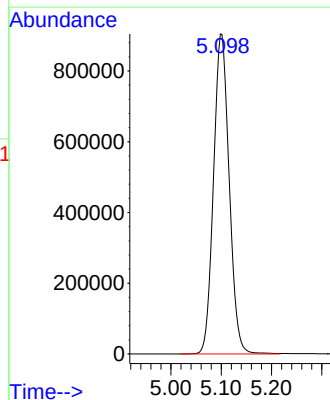
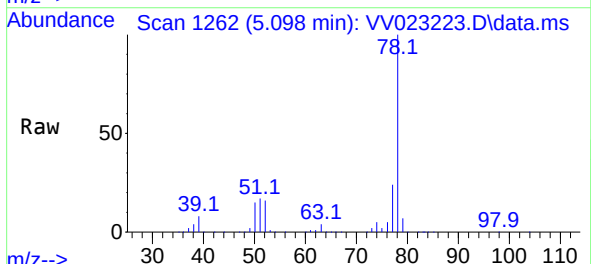
Tgt Ion: 56 Resp: 1310

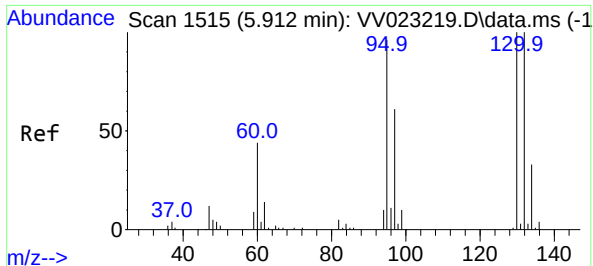
Ion	Ratio	Lower	Upper
56	100		
69	25.3	23.5	35.3
84	76.7	71.6	107.4



#33
Benzene
Concen: 53.634 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VV023223.D
Acq: 05 Nov 2021 11:39

Tgt Ion: 78 Resp: 1955599



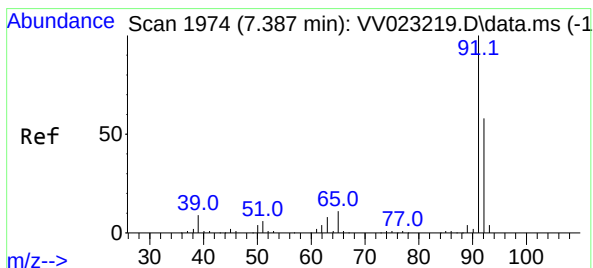
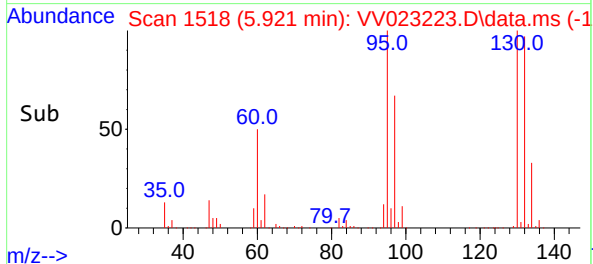
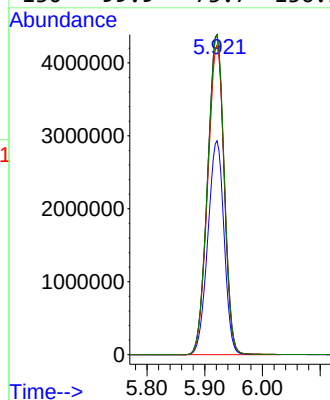
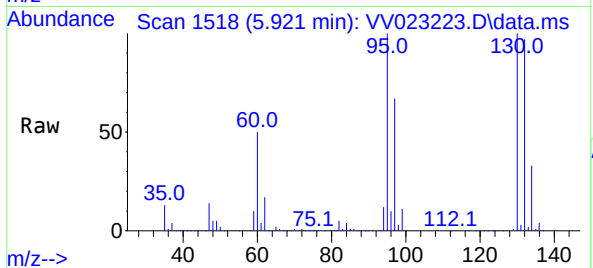


#34
Trichloroethene
Concen: 895.789 ug/L
RT: 5.921 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV023223.D
Acq: 05 Nov 2021 11:39

Instrument :
MSVOA_V
ClientSampleId :
BG1S1

Tgt Ion: 95 Resp: 8685739

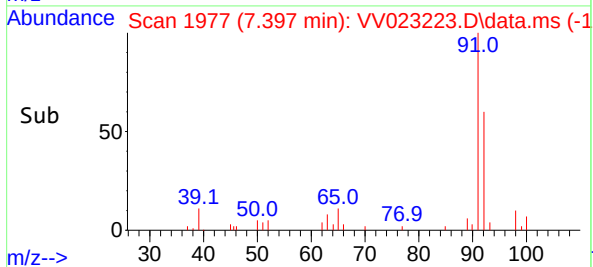
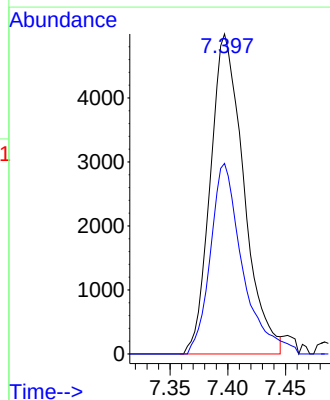
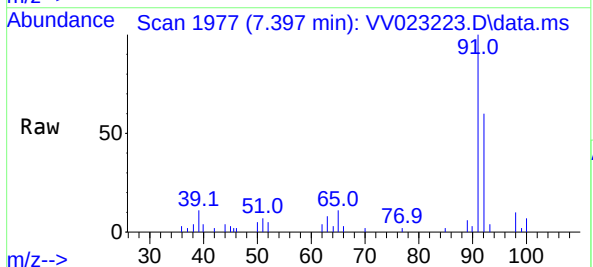
Ion	Ratio	Lower	Upper
95	100		
97	66.8	45.0	83.6
132	96.7	69.7	129.4
130	99.9	73.7	136.9

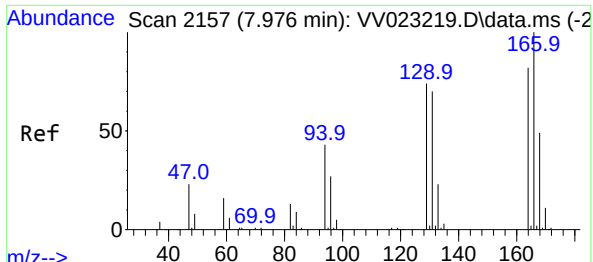


#42
Toluene
Concen: 0.257 ug/L
RT: 7.397 min Scan# 1977
Delta R.T. 0.010 min
Lab File: VV023223.D
Acq: 05 Nov 2021 11:39

Tgt Ion: 91 Resp: 10039

Ion	Ratio	Lower	Upper
91	100		
92	59.5	39.3	72.9



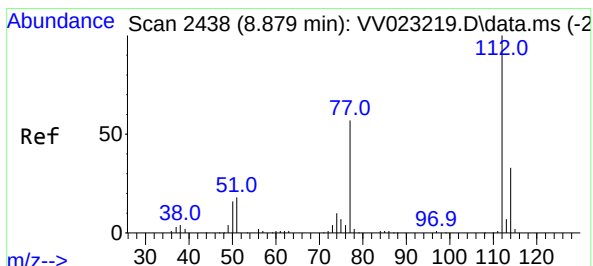
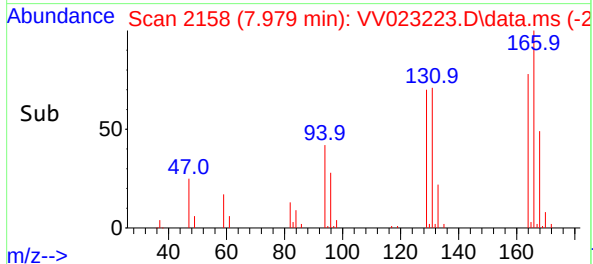
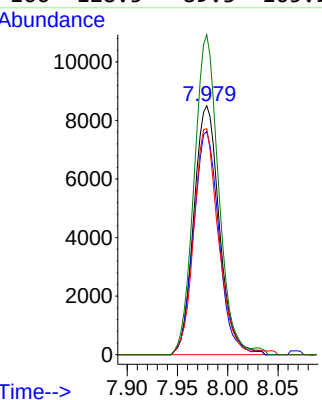
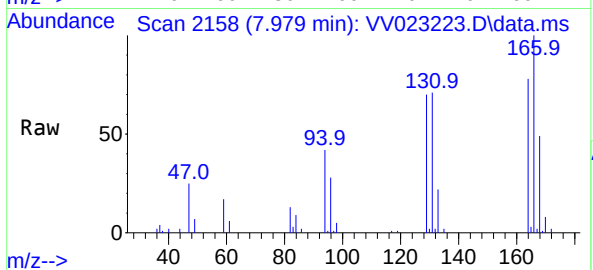


#47
Tetrachloroethene
Concen: 1.790 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VV023223.D
Acq: 05 Nov 2021 11:39

Instrument :
MSVOA_V
ClientSampleId :
BG1S1

Tgt Ion:164 Resp: 15045

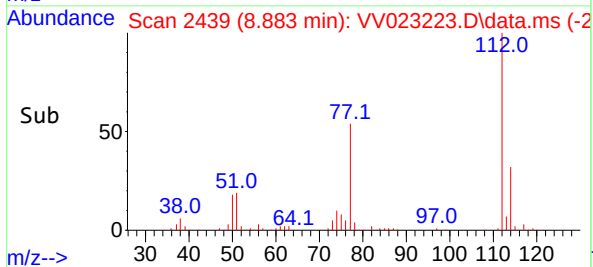
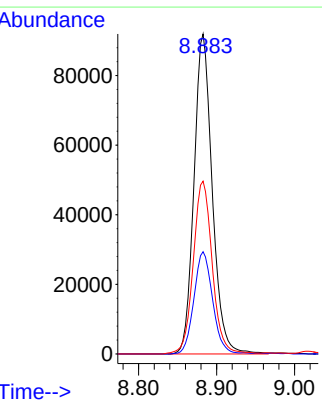
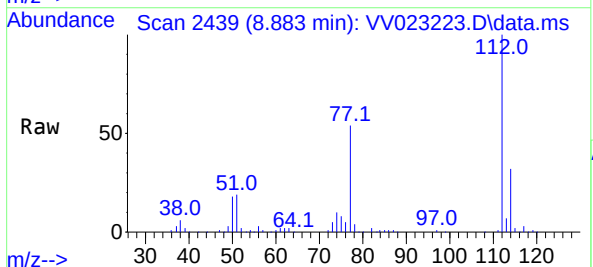
Ion	Ratio	Lower	Upper
164	100		
129	89.6	64.0	119.0
131	90.6	63.4	117.8
166	128.5	89.3	165.9

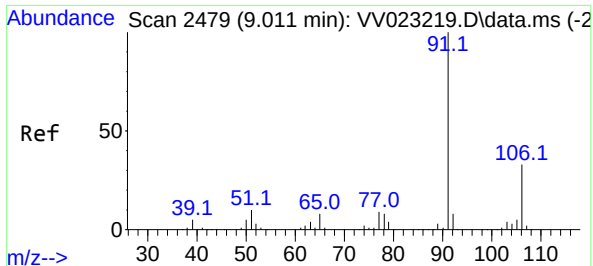


#51
Chlorobenzene
Concen: 5.777 ug/L
RT: 8.883 min Scan# 2439
Delta R.T. 0.003 min
Lab File: VV023223.D
Acq: 05 Nov 2021 11:39

Tgt Ion:112 Resp: 149743

Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.0	40.8
77	54.0	44.4	66.6





#52

Ethylbenzene

Concen: 0.282 ug/L

RT: 9.018 min Scan# 2479

Delta R.T. 0.006 min

Lab File: VV023223.D

Acq: 05 Nov 2021 11:39

Instrument :

MSVOA_V

ClientSampleId :

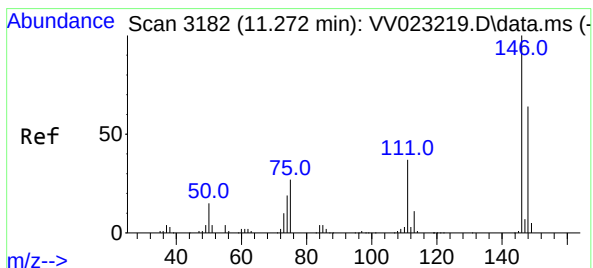
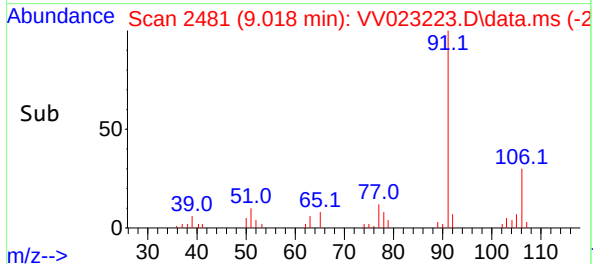
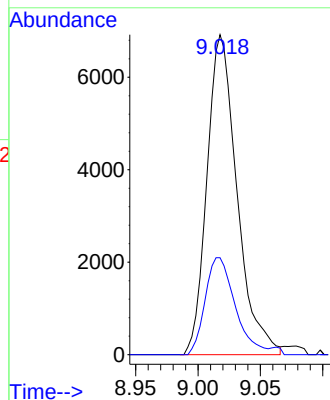
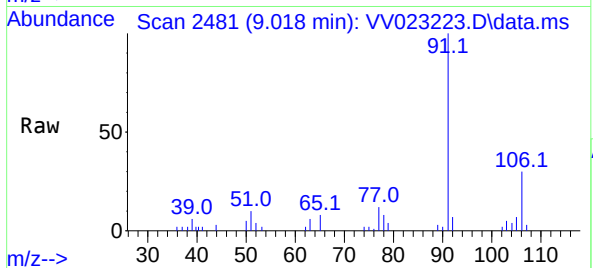
BG1S1

Tgt Ion: 91 Resp: 11600

Ion Ratio Lower Upper

91 100

106 30.3 22.5 41.9



#65

1,4-Dichlorobenzene

Concen: 0.126 ug/L

RT: 11.272 min Scan# 3182

Delta R.T. 0.000 min

Lab File: VV023223.D

Acq: 05 Nov 2021 11:39

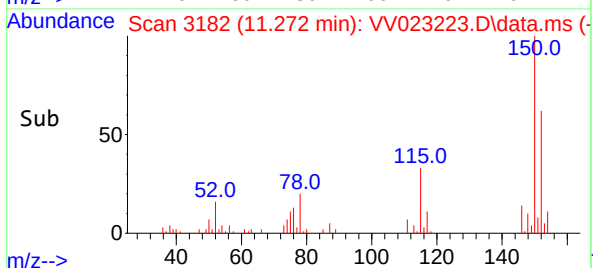
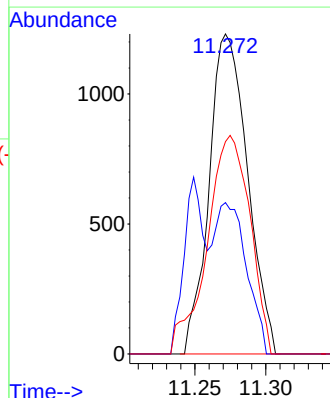
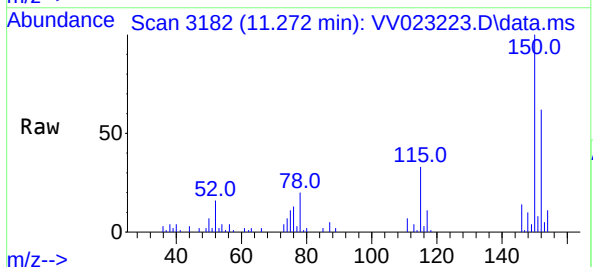
Tgt Ion: 146 Resp: 2323

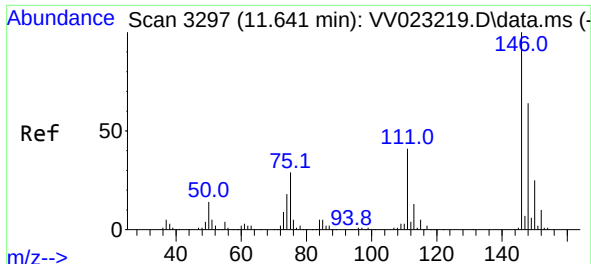
Ion Ratio Lower Upper

146 100

111 47.3 26.2 48.8

148 66.4 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 0.092 ug/L

RT: 11.648 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV023223.D

Acq: 05 Nov 2021 11:39

Instrument :

MSVOA_V

ClientSampleId :

BG1S1

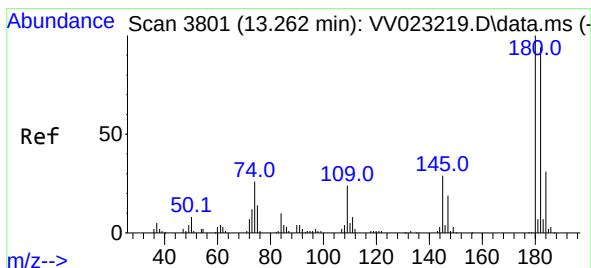
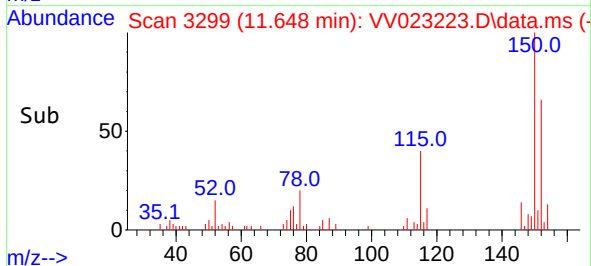
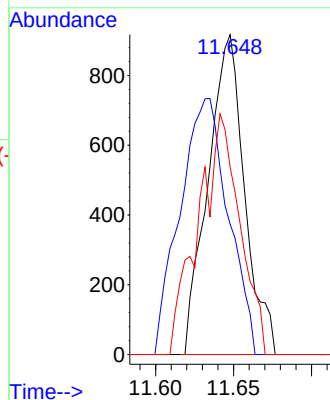
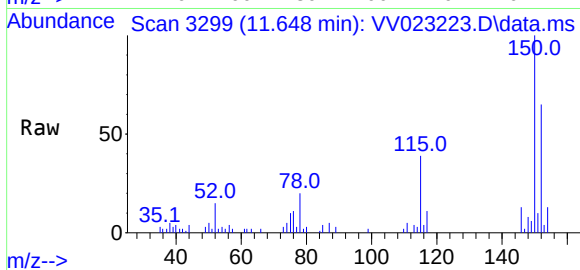
Tgt Ion:146 Resp: 1494

Ion Ratio Lower Upper

146 100

111 40.8 31.6 47.4

148 58.6 51.0 76.6



#70

1,2,4-trichlorobenzene

Concen: 0.112 ug/L

RT: 13.265 min Scan# 3802

Delta R.T. 0.003 min

Lab File: VV023223.D

Acq: 05 Nov 2021 11:39

Tgt Ion:180 Resp: 1269

Ion Ratio Lower Upper

180 100

182 99.4 76.9 115.3

145 31.6 24.4 36.6

