

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111721\
 Data File : VW023569.D
 Acq On : 17 Nov 2021 15:00
 Operator : SY/MD
 Sample : M4616-18
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG203

Quant Time: Nov 18 00:21:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 18 00:20:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	114476	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	111729	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	51707	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	43399	6.052	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	121.000%	
7) Chloroethane-d5	1.568	69	32180	5.506	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	110.200%	
11) 1,1-Dichloroethene-d2	2.108	63	60157	4.481	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	89.600%	
20) 2-Butanone-d5	3.886	46	62012	50.191	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	100.380%	
24) Chloroform-d	4.349	84	67762	4.434	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	88.600%	
26) 1,2-Dichloroethane-d4	5.034	65	33135	4.821	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.400%	
32) Benzene-d6	5.050	84	137964	4.813	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.200%	
36) 1,2-Dichloropropane-d6	6.072	67	39149	4.639	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	92.800%	
41) Toluene-d8	7.317	98	123937	4.613	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	92.200%	
43) trans-1,3-Dichloroprop...	7.625	79	14234	4.448	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	89.000%	
46) 2-Hexanone-d5	8.088	63	44654	37.928	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	75.860%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	24775	4.082	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	81.600%	
66) 1,2-Dichlorobenzene-d4	11.625	152	43560	5.059	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	101.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	5478	0.491	ug/L	97
3) Chloromethane	1.243	50	499	0.053	ug/L	86
5) Vinyl chloride	1.310	62	494	0.052	ug/L #	1
6) Bromomethane	1.519	94	388	0.064	ug/L	81
9) Trichlorofluoromethane	1.754	101	709909	49.847	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	10063	1.404	ug/L	99
12) 1,1-Dichloroethene	2.118	96	7058	1.034	ug/L #	1
13) Acetone	2.179	43	2191	2.902	ug/L	82
17) Methyl tert-butyl Ether	2.767	73	41785	2.781	ug/L	97
18) trans-1,2-Dichloroethene	2.767	96	526	0.063	ug/L	82
19) 1,1-Dichloroethane	3.191	63	52158	3.681	ug/L	99
22) cis-1,2-Dichloroethene	3.912	96	7241	0.897	ug/L #	82
25) Chloroform	4.378	83	5895	0.390	ug/L	94
27) 1,2-Dichloroethane	5.146	62	612	0.076	ug/L #	72
29) 1,1,1-Trichloroethane	4.616	97	3778	0.278	ug/L	97
34) Trichloroethene	5.915	95	63553	7.653	ug/L	96
35) Methylcyclohexane	6.072	83	10131	0.773	ug/L #	17
37) 1,2-Dichloropropane	6.069	63	4836	0.663	ug/L #	83
39) cis-1,3-Dichloropropene	6.985	75	1140	0.109	ug/L #	57

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 18 00:20:29 2021
Response via : Initial Calibration

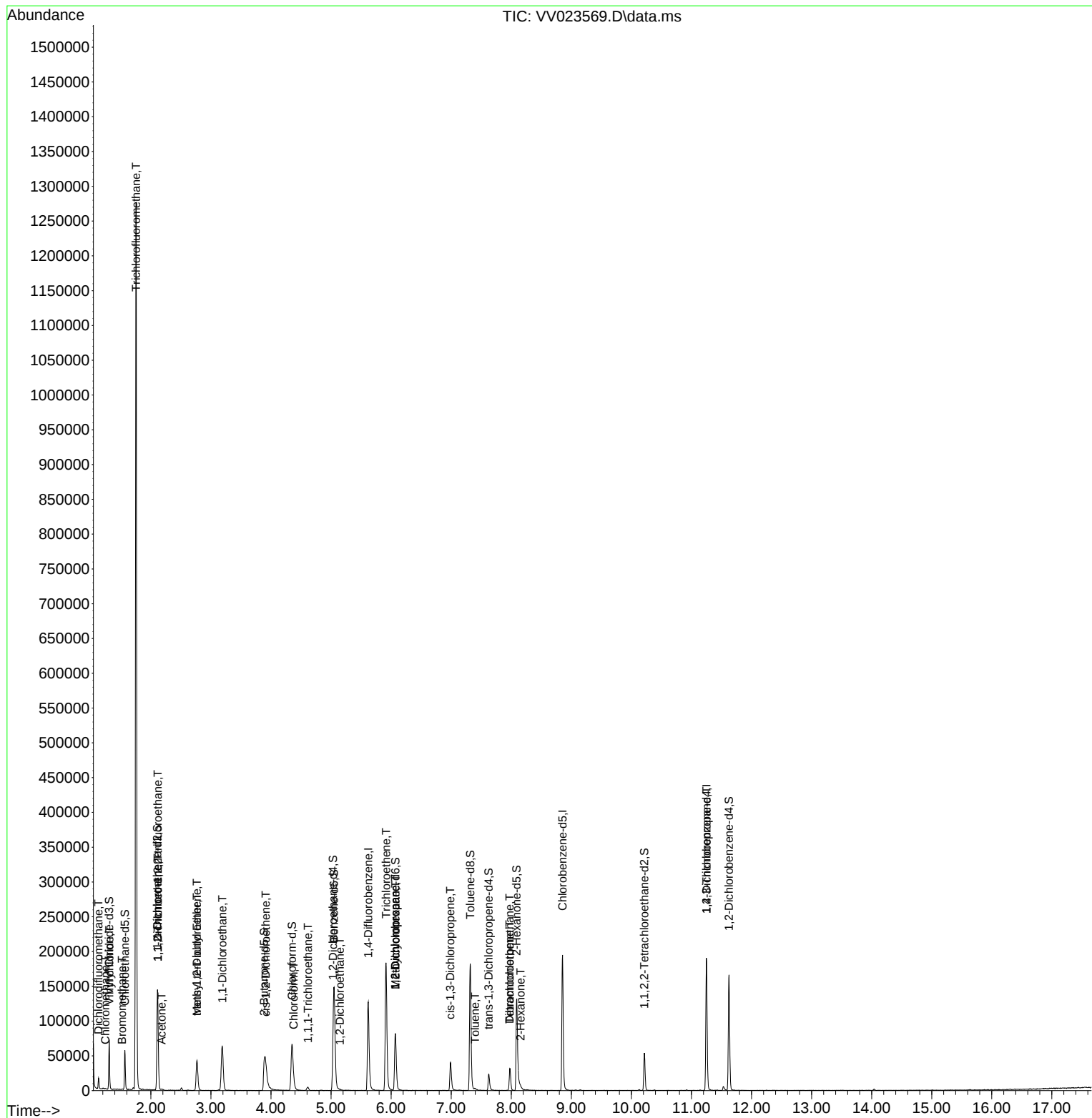
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.397	91	2124	0.064	ug/L	98
47) Tetrachloroethene	7.976	164	7412	1.030	ug/L	95
48) 2-Hexanone	8.156	43	3845	1.623	ug/L #	68
49) Dibromochloromethane	7.976	129	6847	1.032	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	5333	1.553	ug/L #	65

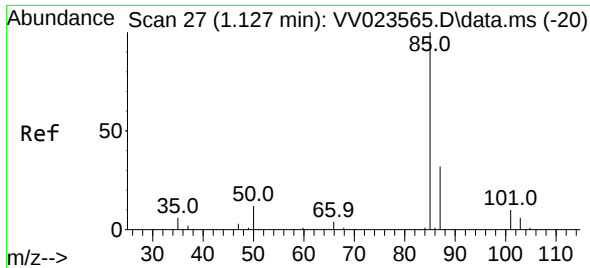
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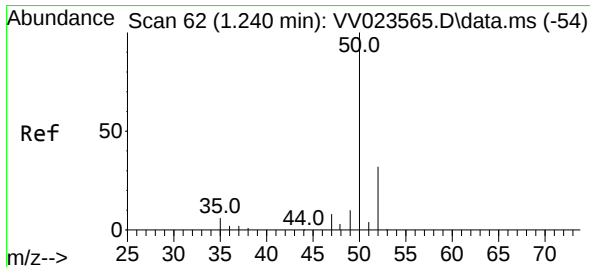
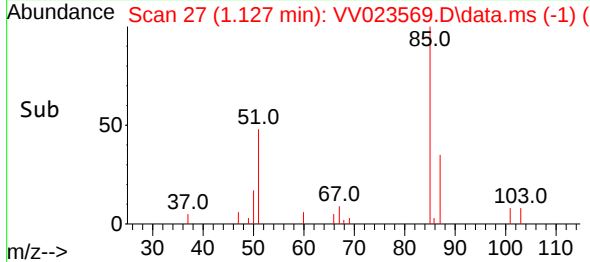
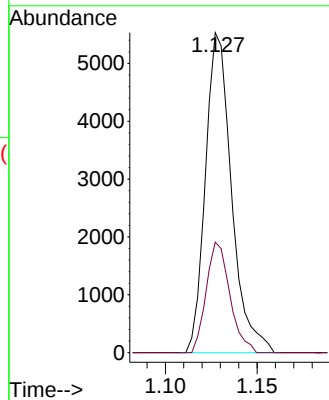
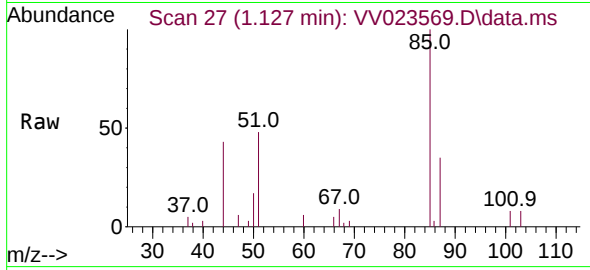




#2
 Dichlorodifluoromethane
 Concen: 0.491 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV023569.D
 Acq: 17 Nov 2021 15:00

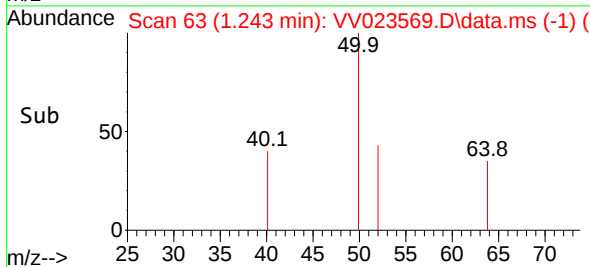
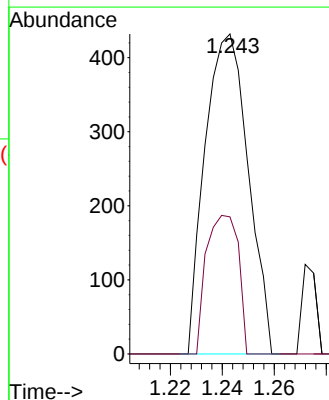
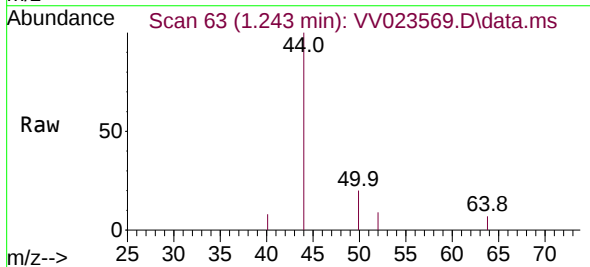
Instrument :
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 ClientSampleId :
 BG203

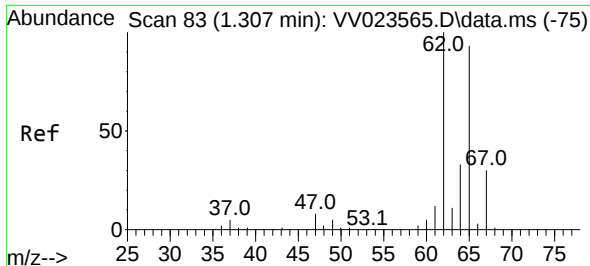
Tgt Ion: 85 Resp: 5478
 Ion Ratio Lower Upper
 85 100
 87 31.2 26.6 39.8



#3
 Chloromethane
 Concen: 0.053 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV023569.D
 Acq: 17 Nov 2021 15:00

Tgt Ion: 50 Resp: 499
 Ion Ratio Lower Upper
 50 100
 52 42.8 24.3 45.1

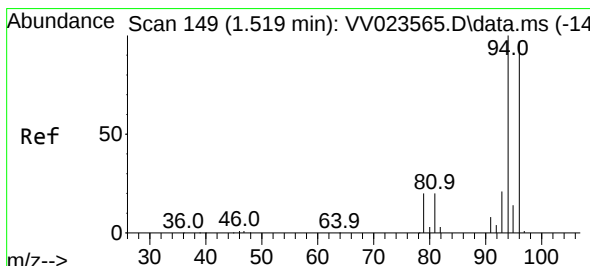
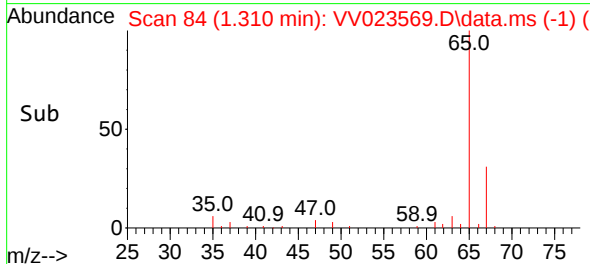
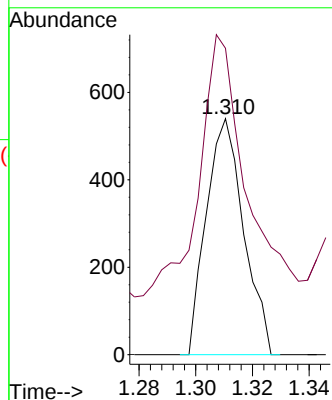
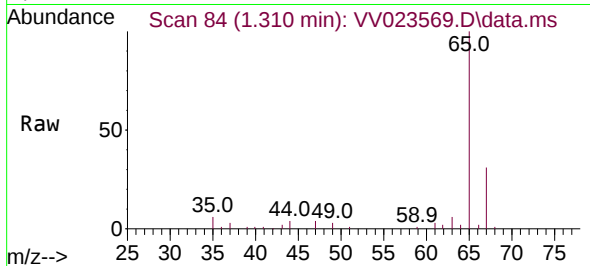




#5
 Vinyl chloride
 Concen: 0.052 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023569.D
 Acq: 17 Nov 2021 15:00

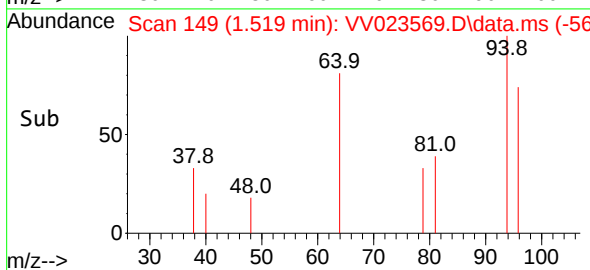
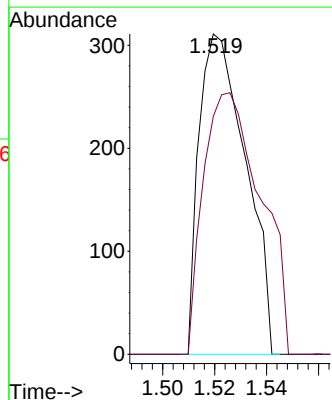
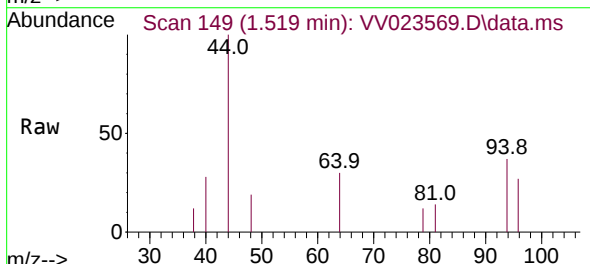
Instrument :
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 ClientSampleId :
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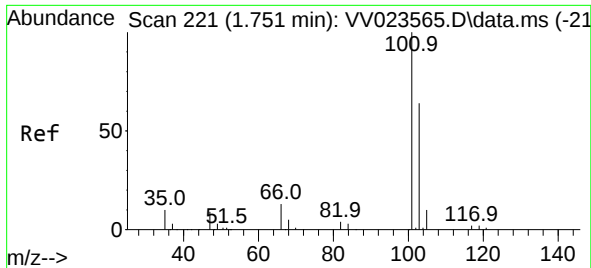
Tgt Ion: 62 Resp: 494
 Ion Ratio Lower Upper
 62 100
 64 129.8 23.1 42.9#



#6
 Bromomethane
 Concen: 0.064 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV023569.D
 Acq: 17 Nov 2021 15:00

Tgt Ion: 94 Resp: 388
 Ion Ratio Lower Upper
 94 100
 96 74.3 65.0 120.8

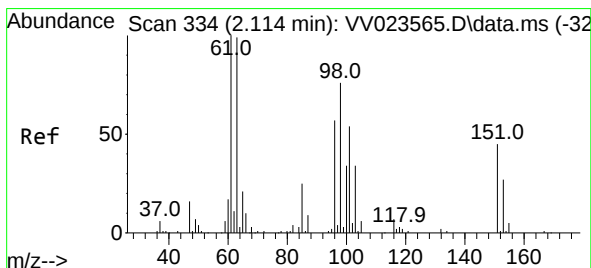
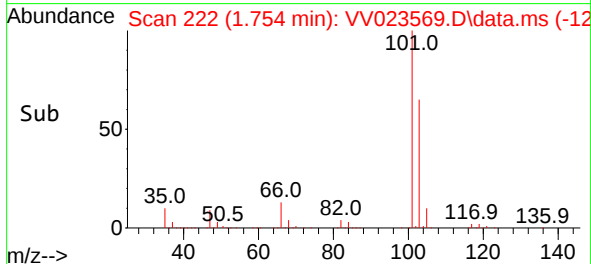
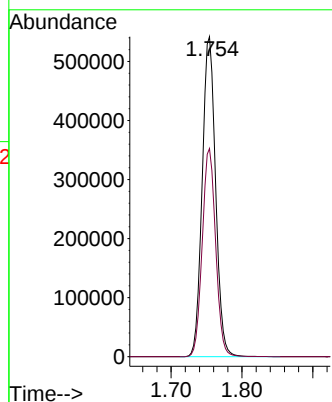
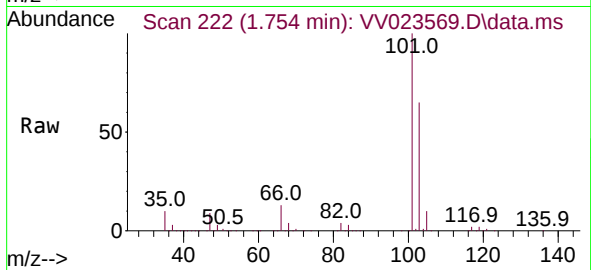




#9
 Trichlorofluoromethane
 Concen: 49.847 ug/L
 RT: 1.754 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV023569.D
 Acq: 17 Nov 2021 15:00

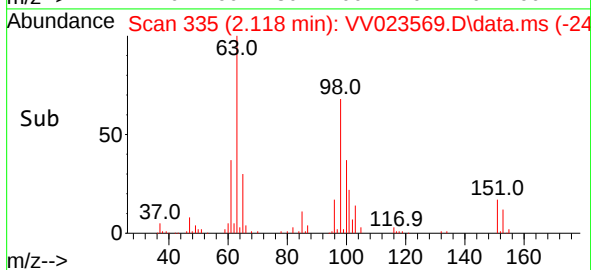
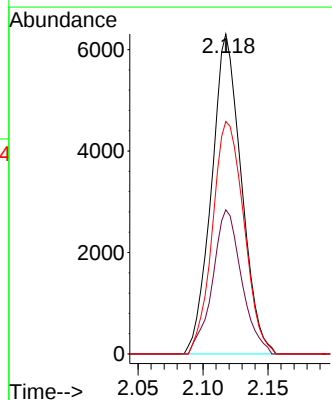
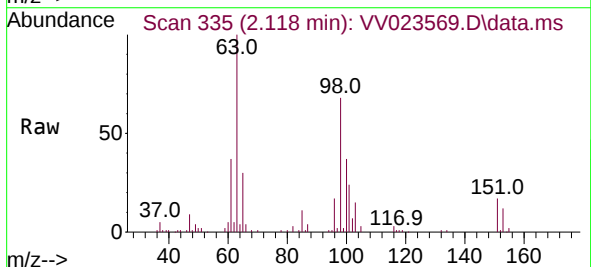
Instrument :
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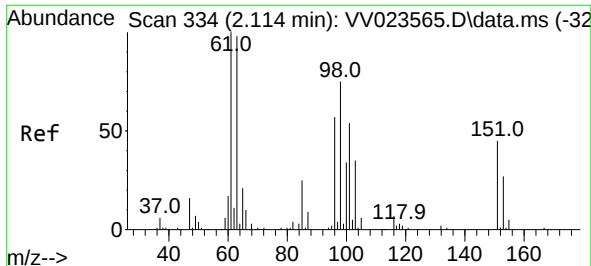
Tgt Ion:101 Resp: 709909
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.6 79.0



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.404 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV023569.D
 Acq: 17 Nov 2021 15:00

Tgt Ion:101 Resp: 10063
 Ion Ratio Lower Upper
 101 100
 85 43.8 35.3 52.9
 151 76.6 62.2 93.2

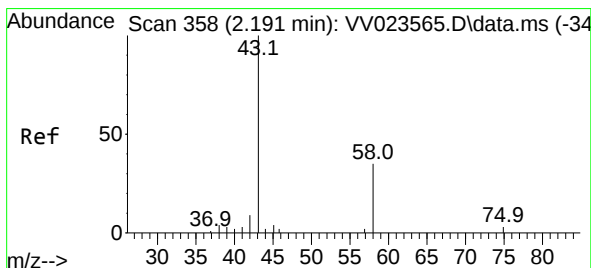
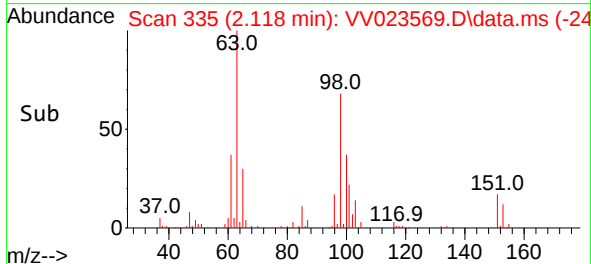
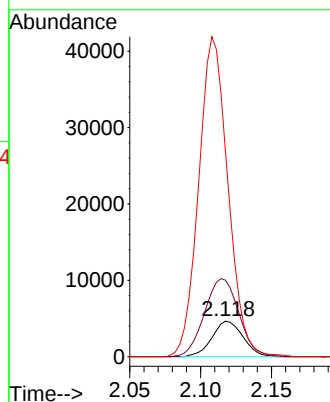
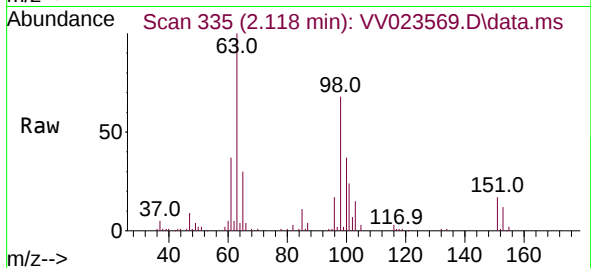




#12
1,1-Dichloroethene
Concen: 1.034 ug/L
RT: 2.118 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV023569.D
Acq: 17 Nov 2021 15:00

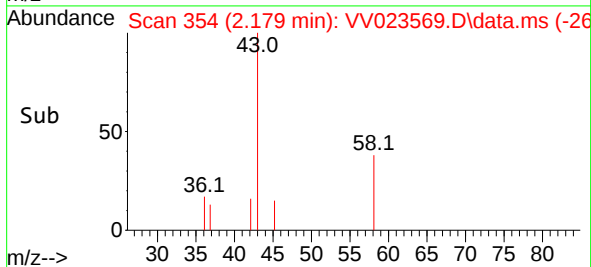
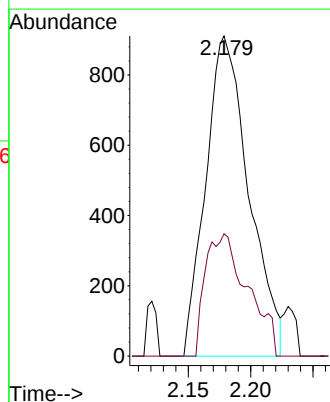
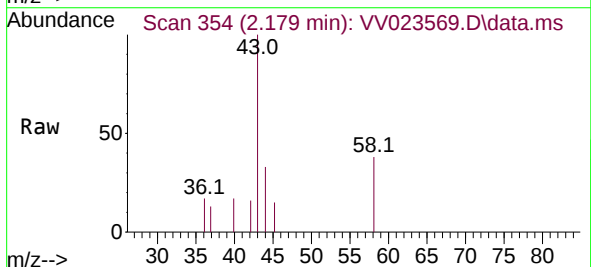
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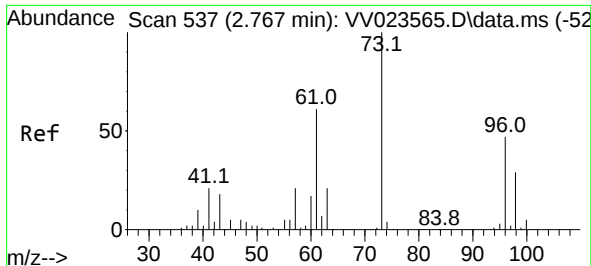
Tgt Ion: 96 Resp: 7058
Ion Ratio Lower Upper
96 100
61 215.1 121.5 225.7
63 576.3 99.6 185.0#



#13
Acetone
Concen: 2.902 ug/L
RT: 2.179 min Scan# 354
Delta R.T. -0.013 min
Lab File: VV023569.D
Acq: 17 Nov 2021 15:00

Tgt Ion: 43 Resp: 2191
Ion Ratio Lower Upper
43 100
58 37.3 0.0 55.4

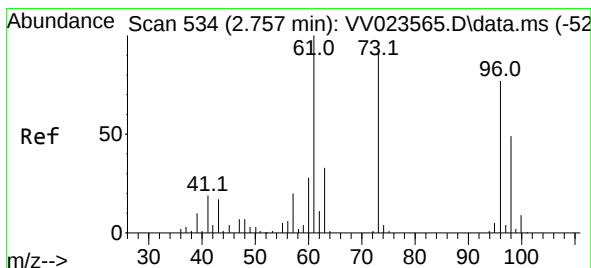
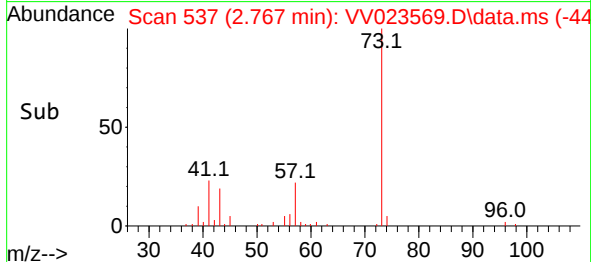
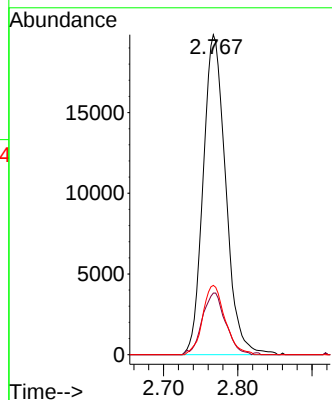
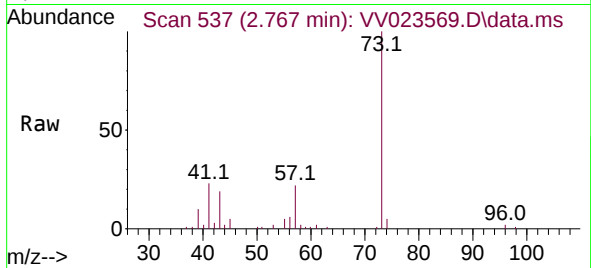




#17
Methyl tert-butyl Ether
Concen: 2.781 ug/L
RT: 2.767 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV023569.D
Acq: 17 Nov 2021 15:00

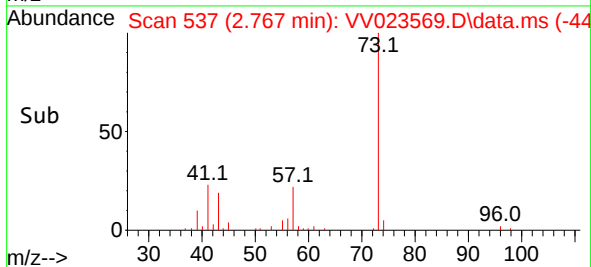
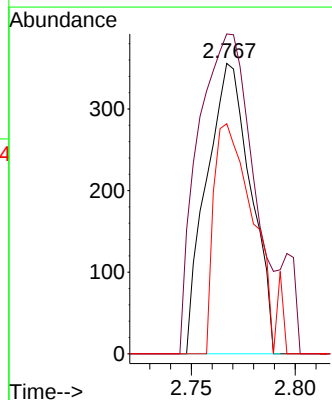
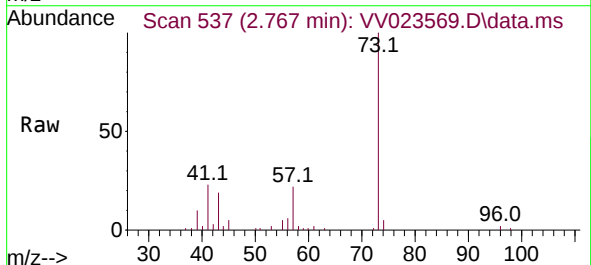
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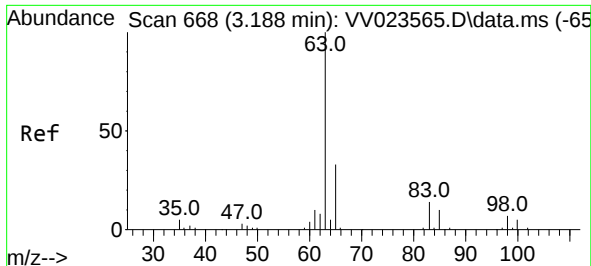
Tgt Ion: 73 Resp: 41785
Ion Ratio Lower Upper
73 100
43 19.8 17.4 26.0
57 21.5 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 0.063 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.010 min
Lab File: VV023569.D
Acq: 17 Nov 2021 15:00

Tgt Ion: 96 Resp: 526
Ion Ratio Lower Upper
96 100
61 110.1 93.2 173.2
98 79.2 47.0 87.2





#19

1,1-Dichloroethane

Concen: 3.681 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV023569.D

Acq: 17 Nov 2021 15:00

Instrument :

MSVOA_V

ClientSampleId :

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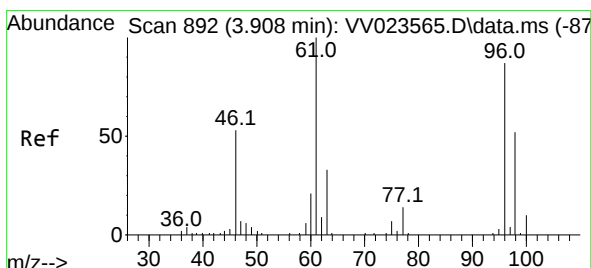
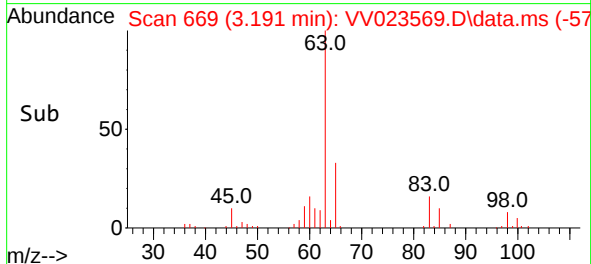
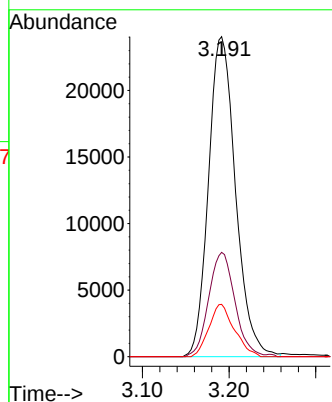
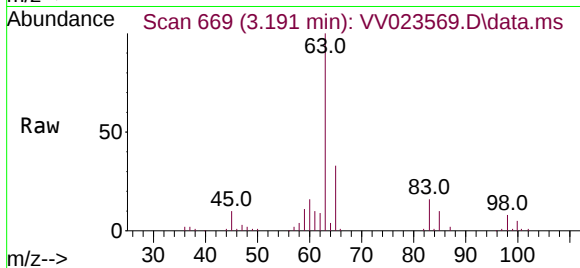
Tgt Ion: 63 Resp: 52158

Ion Ratio Lower Upper

63 100

65 32.6 22.6 42.0

83 16.3 11.1 20.7



#22

cis-1,2-Dichloroethene

Concen: 0.897 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.003 min

Lab File: VV023569.D

Acq: 17 Nov 2021 15:00

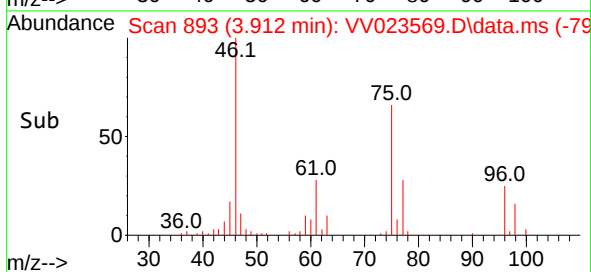
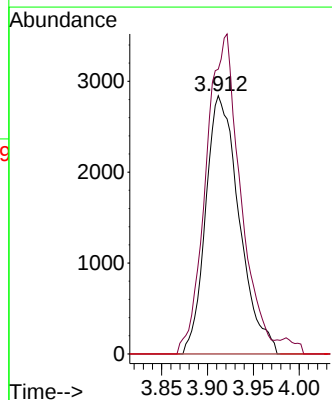
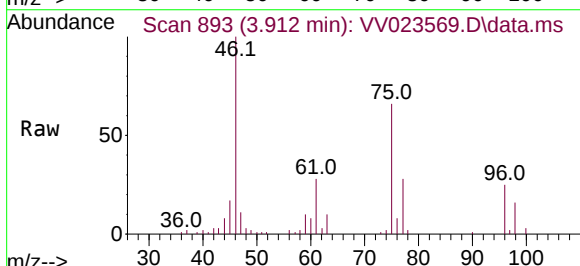
Tgt Ion: 96 Resp: 7241

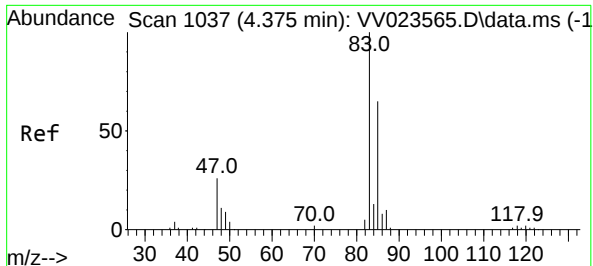
Ion Ratio Lower Upper

96 100

61 110.3 92.3 171.3

68 0.0 0.4 0.8#





#25

Chloroform

Concen: 0.390 ug/L

RT: 4.378 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VV023569.D

Acq: 17 Nov 2021 15:00

Instrument :

MSVOA_V

ClientSampleId :

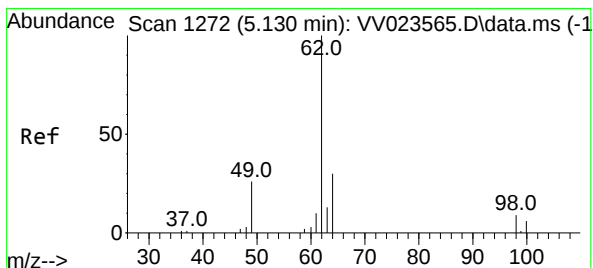
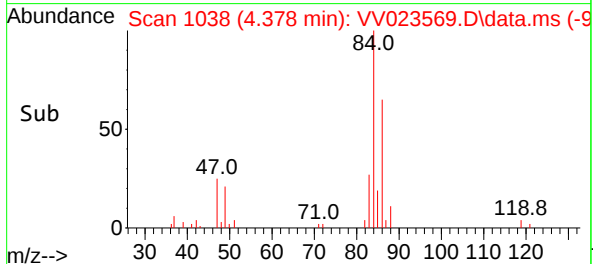
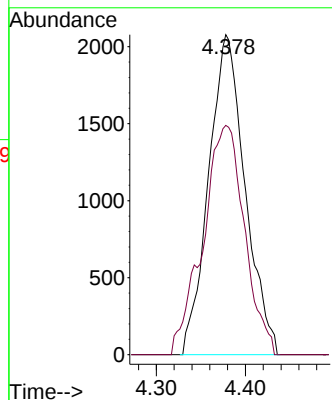
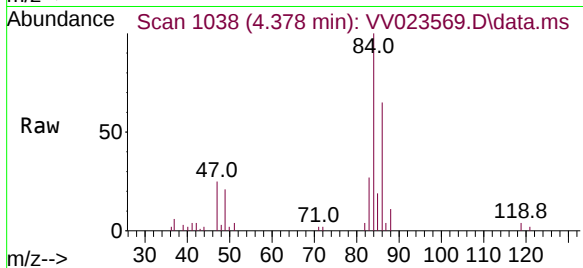
BG203

Tgt Ion: 83 Resp: 5895

Ion Ratio Lower Upper

83 100

85 71.7 46.8 86.8



#27

1,2-Dichloroethane

Concen: 0.076 ug/L

RT: 5.146 min Scan# 1277

Delta R.T. 0.016 min

Lab File: VV023569.D

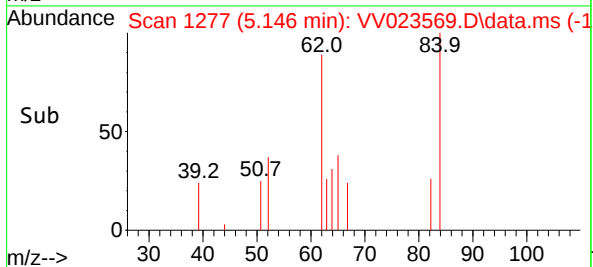
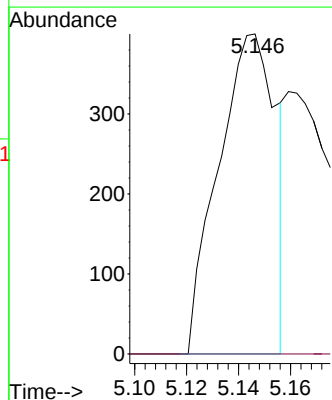
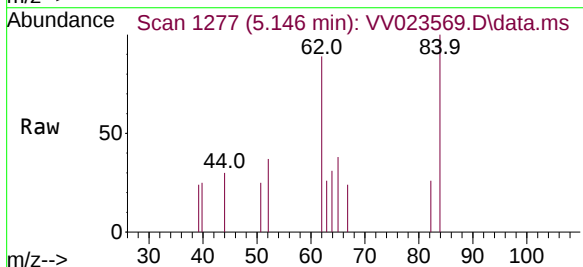
Acq: 17 Nov 2021 15:00

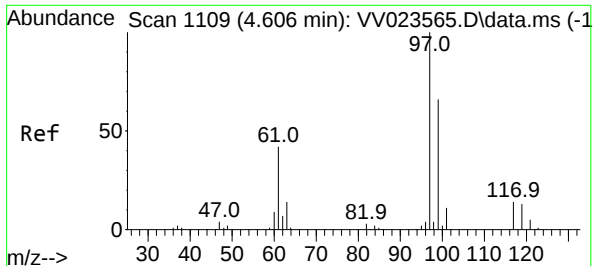
Tgt Ion: 62 Resp: 612

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#





#29

1,1,1-Trichloroethane

Concen: 0.278 ug/L

RT: 4.616 min Scan# 1112

Delta R.T. 0.010 min

Lab File: VV023569.D

Acq: 17 Nov 2021 15:00

Instrument :

MSVOA_V

ClientSampleId :

BG203

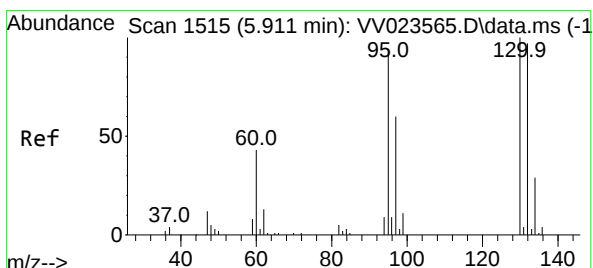
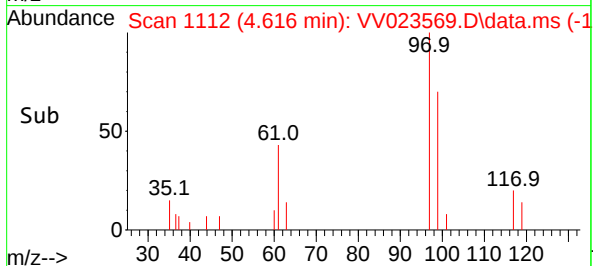
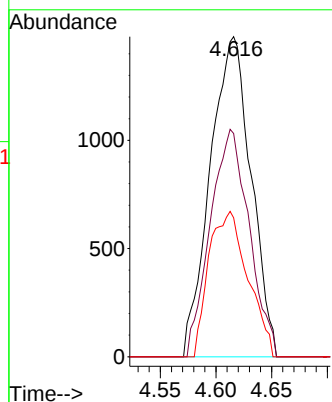
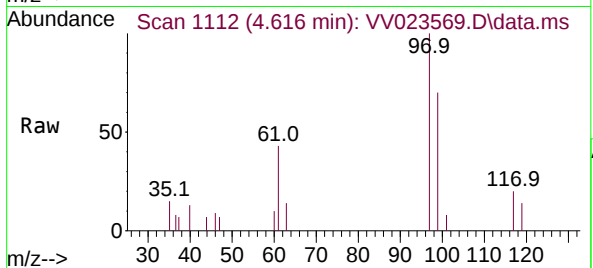
Tgt Ion: 97 Resp: 3778

Ion Ratio Lower Upper

97 100

99 67.6 51.0 76.4

61 43.3 34.1 51.1



#34

Trichloroethene

Concen: 7.653 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. 0.003 min

Lab File: VV023569.D

Acq: 17 Nov 2021 15:00

Tgt Ion: 95 Resp: 63553

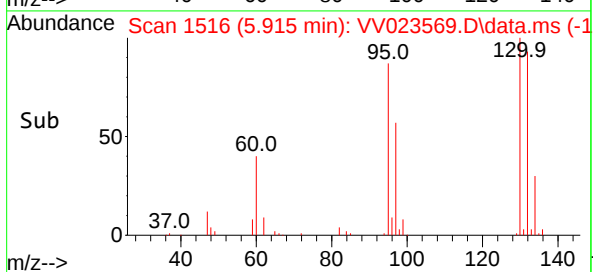
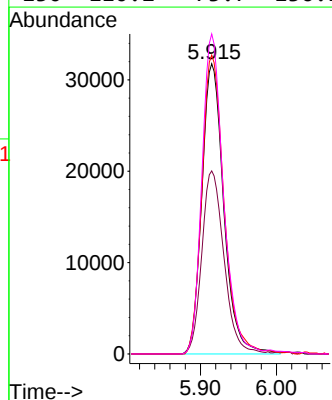
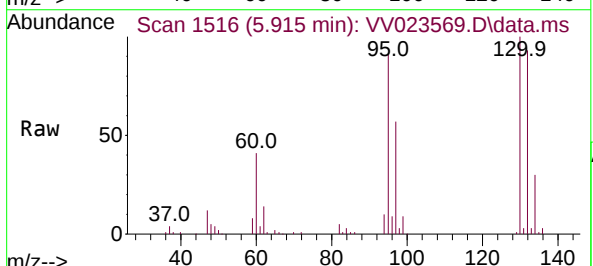
Ion Ratio Lower Upper

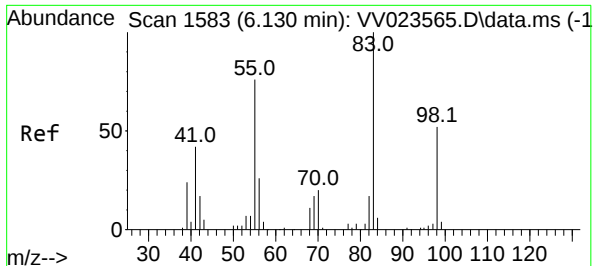
95 100

97 63.1 45.0 83.6

132 103.0 69.7 129.4

130 110.2 73.7 136.9





#35

Methylcyclohexane

Concen: 0.773 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.058 min

Lab File: VV023569.D

Acq: 17 Nov 2021 15:00

Instrument :

MSVOA_V

ClientSampleId :

BG203

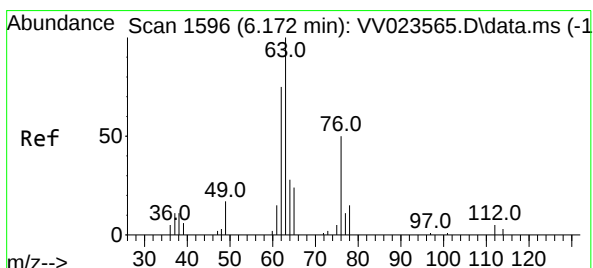
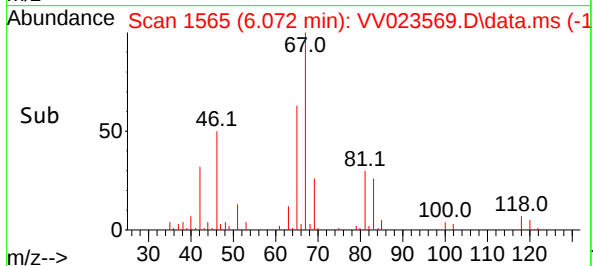
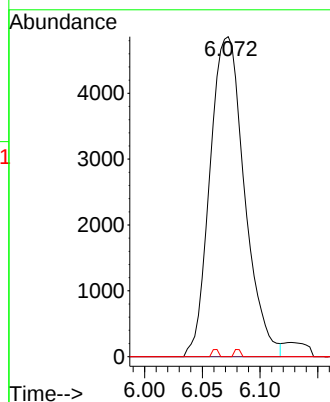
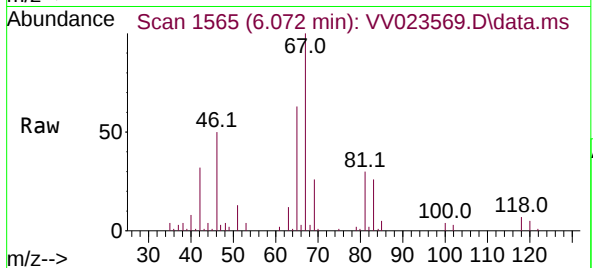
Tgt Ion: 83 Resp: 10131

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 0.0 37.9 56.9#



#37

1,2-Dichloropropane

Concen: 0.663 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.103 min

Lab File: VV023569.D

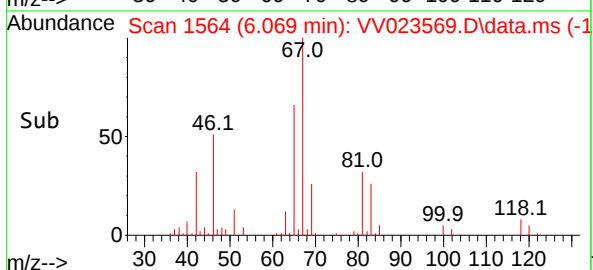
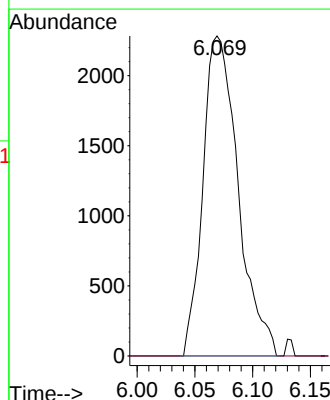
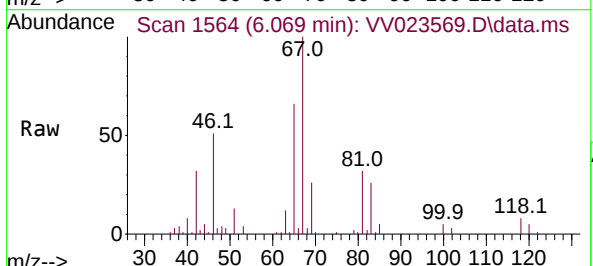
Acq: 17 Nov 2021 15:00

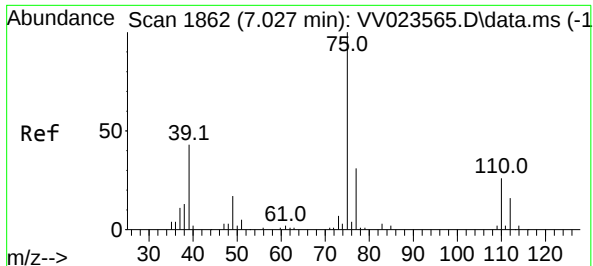
Tgt Ion: 63 Resp: 4836

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.109 ug/L

RT: 6.985 min Scan# 1140

Delta R.T. -0.042 min

Lab File: VV023569.D

Acq: 17 Nov 2021 15:00

Instrument :

MSVOA_V

ClientSampleId :

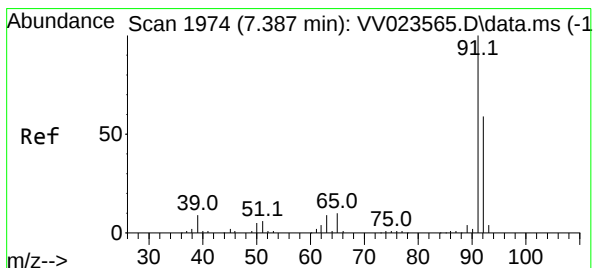
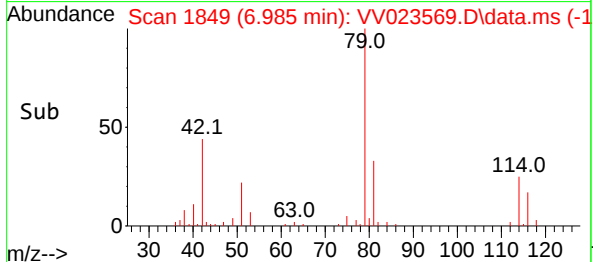
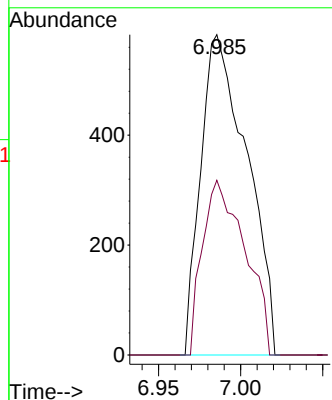
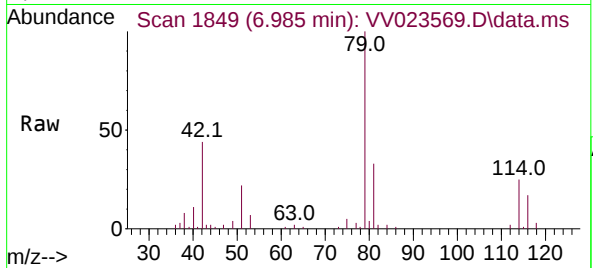
BG203

Tgt Ion: 75 Resp: 1140

Ion Ratio Lower Upper

75 100

77 54.5 21.6 40.2#



#42

Toluene

Concen: 0.064 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.010 min

Lab File: VV023569.D

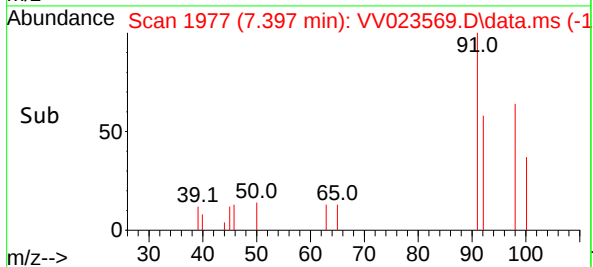
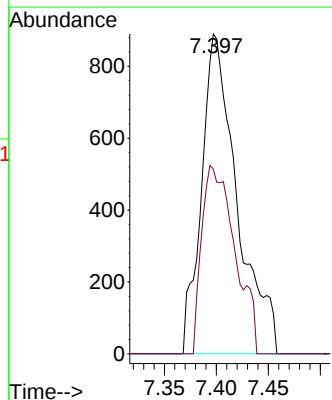
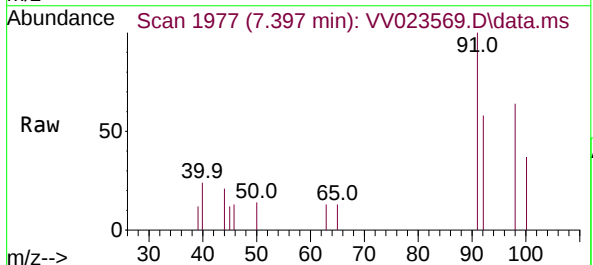
Acq: 17 Nov 2021 15:00

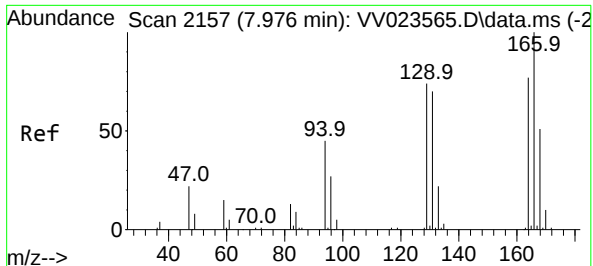
Tgt Ion: 91 Resp: 2124

Ion Ratio Lower Upper

91 100

92 57.8 39.3 72.9





#47

Tetrachloroethene

Concen: 1.030 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.000 min

Lab File: VV023569.D

Acq: 17 Nov 2021 15:00

Instrument :

MSVOA_V

ClientSampleId :

BG203

Tgt Ion:164 Resp: 7412

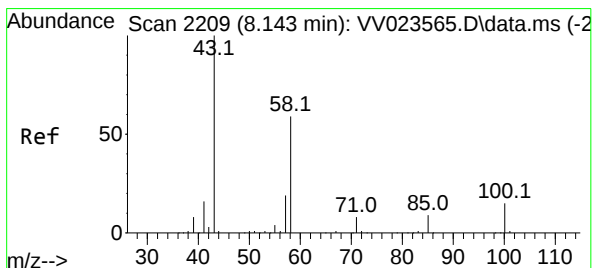
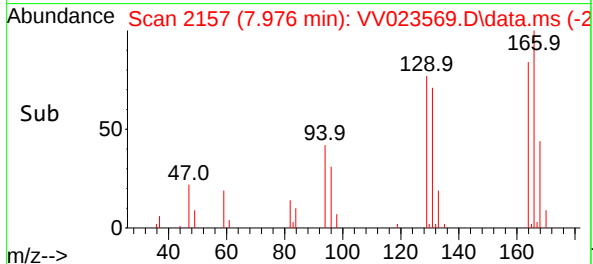
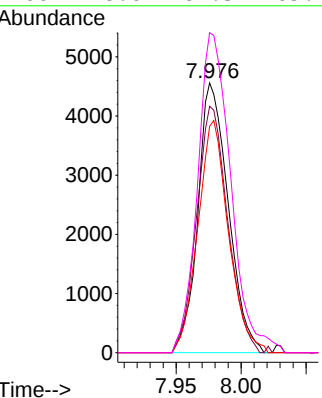
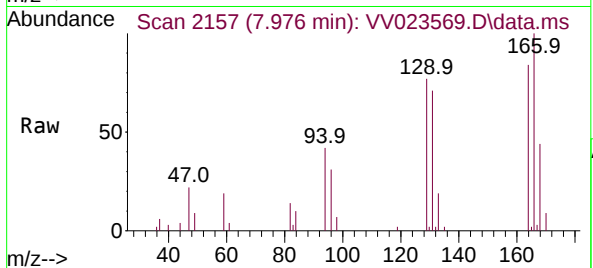
Ion Ratio Lower Upper

164 100

129 91.4 64.0 119.0

131 83.9 63.4 117.8

166 118.6 89.3 165.9



#48

2-Hexanone

Concen: 1.623 ug/L

RT: 8.156 min Scan# 2213

Delta R.T. 0.013 min

Lab File: VV023569.D

Acq: 17 Nov 2021 15:00

Tgt Ion: 43 Resp: 3845

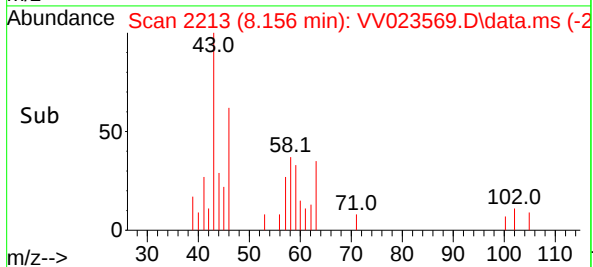
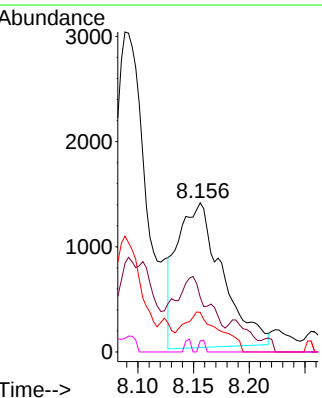
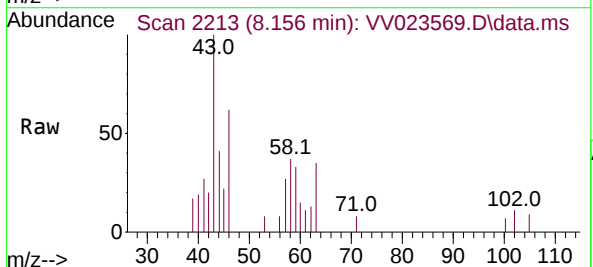
Ion Ratio Lower Upper

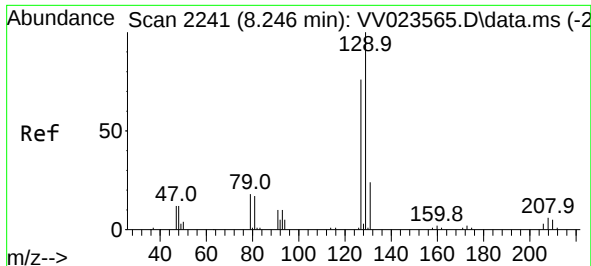
43 100

58 25.6 43.7 65.5#

57 21.9 14.1 21.1#

100 1.1 10.2 15.2#





#49

Dibromochloromethane

Concen: 1.032 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV023569.D

Acq: 17 Nov 2021 15:00

Instrument :

MSVOA_V

ClientSampleId :

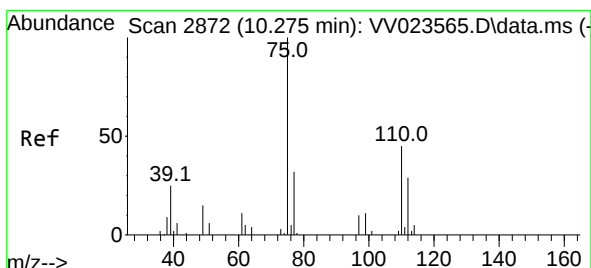
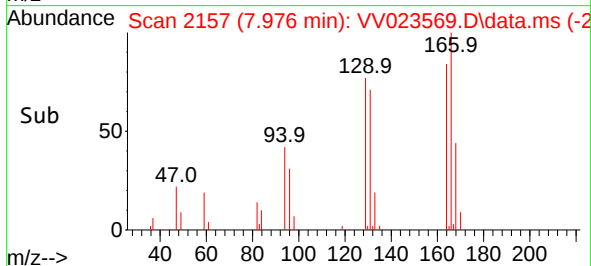
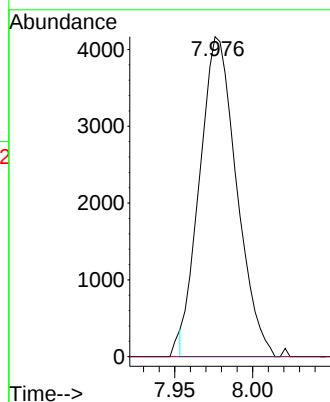
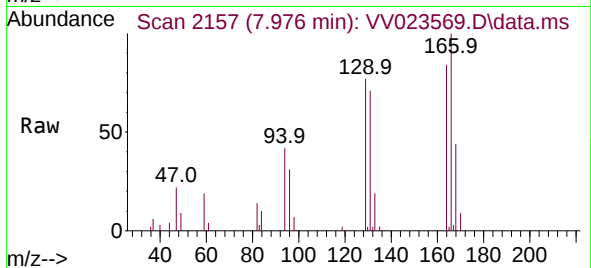
BG203

Tgt Ion:129 Resp: 6847

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#61

1,2,3-Trichloropropane

Concen: 1.553 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV023569.D

Acq: 17 Nov 2021 15:00

Tgt Ion: 75 Resp: 5333

Ion Ratio Lower Upper

75 100

77 35.4 26.6 39.8

110 1.7 31.8 47.6#

