

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102721\
 Data File : VW023073.D
 Acq On : 27 Oct 2021 21:10
 Operator : SY/MD
 Sample : M4364-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG322

Quant Time: Oct 28 01:50:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 28 01:43:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	96664	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	130935	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	55298	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	44367	5.253	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.000%
7) Chloroethane-d5	1.564	69	27866	5.333	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.600%
11) 1,1-Dichloroethene-d2	2.108	63	59584	4.890	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.800%
20) 2-Butanone-d5	3.886	46	58677	43.305	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.600%
24) Chloroform-d	4.352	84	63295	4.609	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
26) 1,2-Dichloroethane-d4	5.037	65	31578	4.878	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.053	84	119703	3.131	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	62.600%#
36) 1,2-Dichloropropane-d6	6.072	67	36639	3.114	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	62.200%
41) Toluene-d8	7.320	98	149370	4.350	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.000%
43) trans-1,3-Dichloroprop...	7.625	79	17984	4.362	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.200%
46) 2-Hexanone-d5	8.088	63	74010	48.483	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.960%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	37196	4.578	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	54714	5.545	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	4663	0.760	ug/L	92
3) Chloromethane	1.240	50	999	0.151	ug/L	93
5) Vinyl chloride	1.310	62	2136	0.312	ug/L #	62
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	21216	4.027	ug/L	99
12) 1,1-Dichloroethene	2.108	96	702	0.142	ug/L #	1
18) trans-1,2-Dichloroethene	2.760	96	9929	1.879	ug/L	95
19) 1,1-Dichloroethane	3.191	63	11203	1.154	ug/L	99
22) cis-1,2-Dichloroethene	3.912	96	83062	13.866	ug/L #	87
25) Chloroform	4.384	83	4521	0.352	ug/L	98
27) 1,2-Dichloroethane	5.050	62	509	0.075	ug/L #	72
29) 1,1,1-Trichloroethane	4.609	97	22701	1.534	ug/L	98
31) Carbon tetrachloride	4.616	117	3186	0.250	ug/L	98
34) Trichloroethene	5.915	95	50970	5.758	ug/L	97
35) Methylcyclohexane	6.072	83	9852	0.777	ug/L #	18
37) 1,2-Dichloropropane	6.075	63	4577	0.515	ug/L #	83
39) cis-1,3-Dichloropropene	6.992	75	1410	0.128	ug/L #	46
42) Toluene	7.403	91	3180	0.089	ug/L	96
47) Tetrachloroethene	7.976	164	520979	69.665	ug/L	99
48) 2-Hexanone	8.146	43	5860	1.888	ug/L #	80

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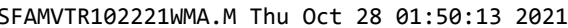
Instrument :
MSVOA_V
ClientSampleId :
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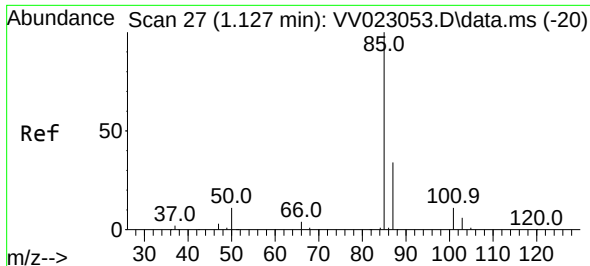
Quant Time: Oct 28 01:50:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 28 01:43:46 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.976	129	466959	63.166	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	5718	1.469	ug/L #	63

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

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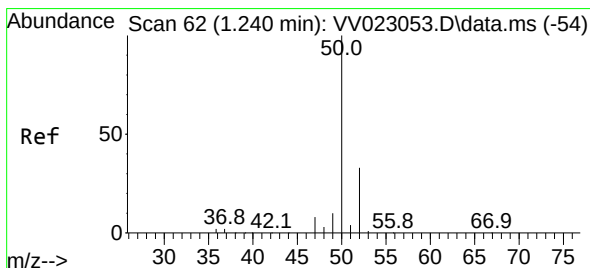
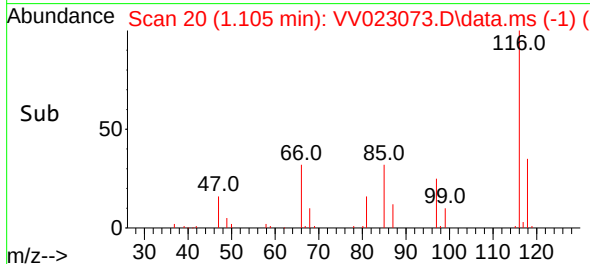
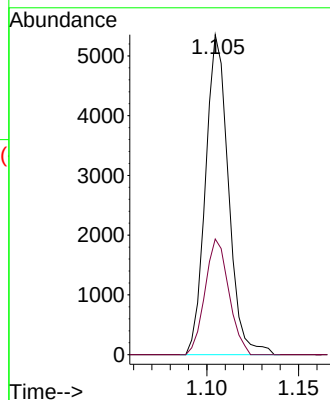
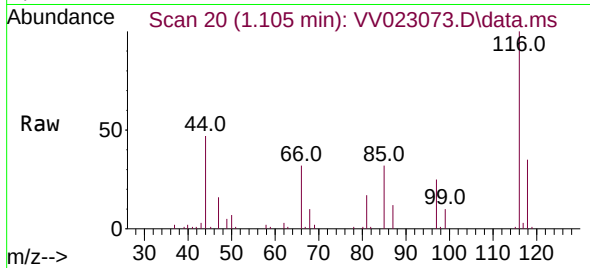




#2
 Dichlorodifluoromethane
 Concen: 0.760 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.023 min
 Lab File: VV023073.D
 Acq: 27 Oct 2021 21:10

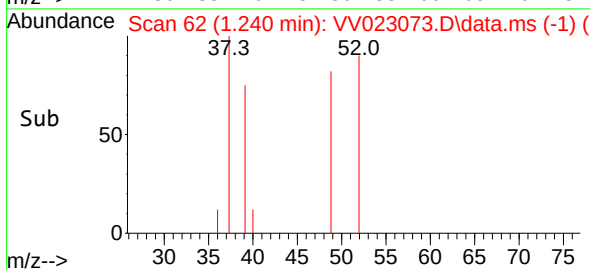
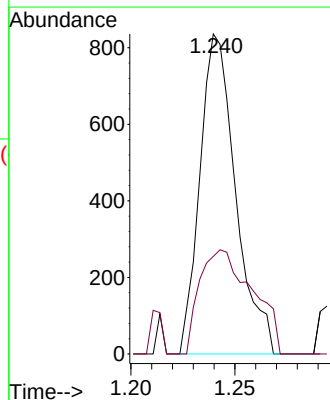
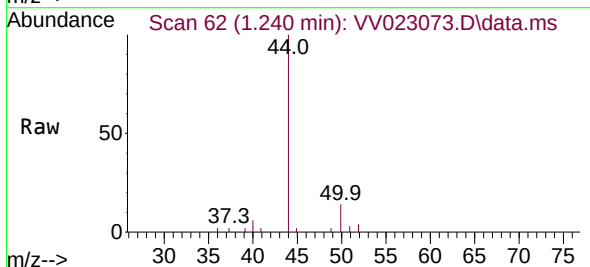
Instrument :
 MSVOA_V
 ClientSampleId :
 BG322

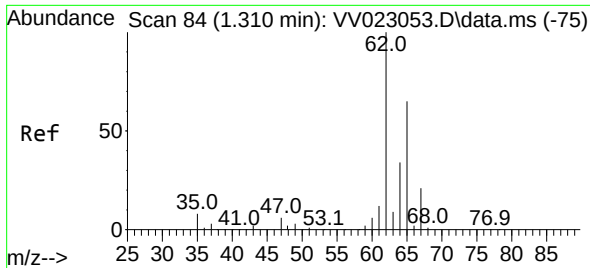
Tgt Ion: 85 Resp: 4663
 Ion Ratio Lower Upper
 85 100
 87 37.5 26.6 39.8



#3
 Chloromethane
 Concen: 0.151 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV023073.D
 Acq: 27 Oct 2021 21:10

Tgt Ion: 50 Resp: 999
 Ion Ratio Lower Upper
 50 100
 52 30.5 24.3 45.1

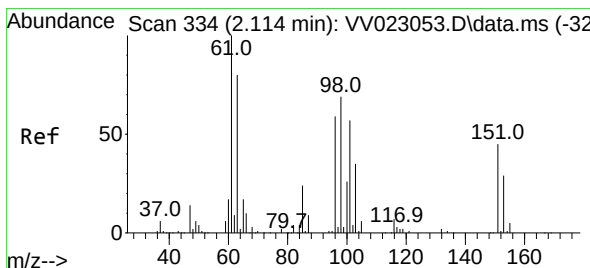
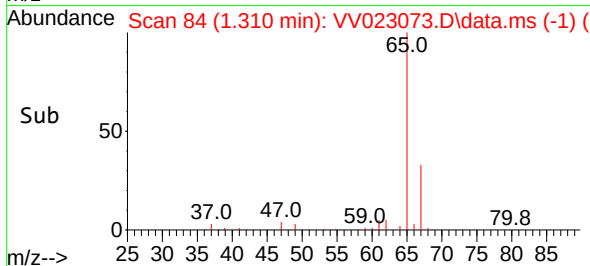
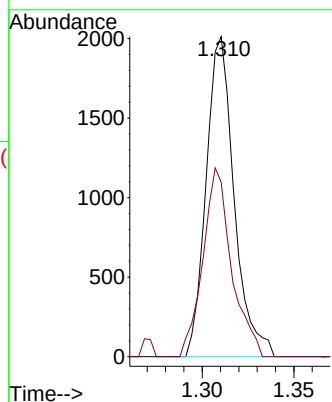
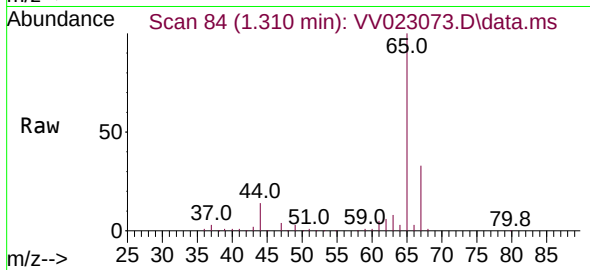




#5
 Vinyl chloride
 Concen: 0.312 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023073.D
 Acq: 27 Oct 2021 21:10

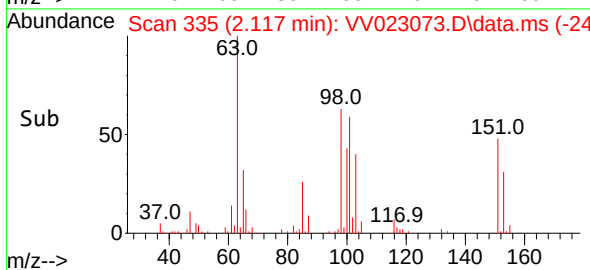
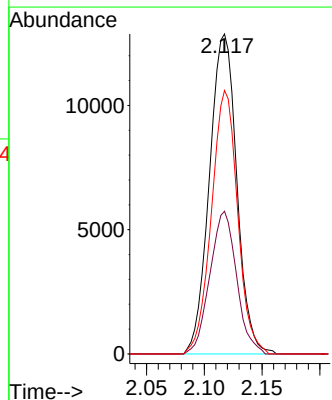
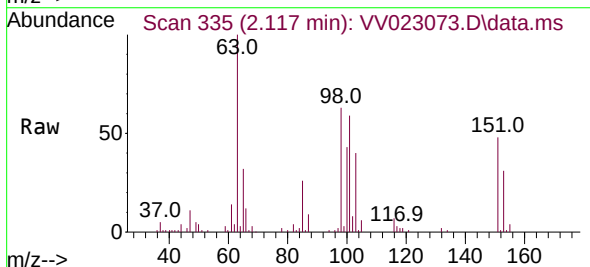
Instrument :
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 ClientSampleId :
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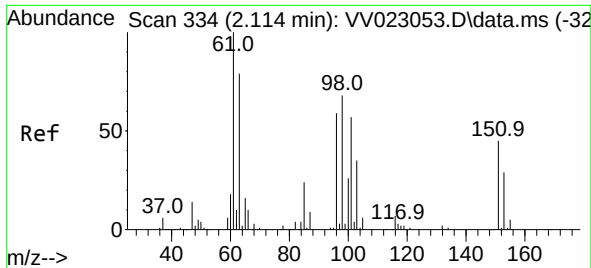
Tgt Ion: 62 Resp: 2136
 Ion Ratio Lower Upper
 62 100
 64 54.5 23.1 42.9#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.027 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV023073.D
 Acq: 27 Oct 2021 21:10

Tgt Ion: 101 Resp: 21216
 Ion Ratio Lower Upper
 101 100
 85 43.5 35.3 52.9
 151 78.8 62.2 93.2





#12

1,1-Dichloroethene

Concen: 0.142 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.007 min

Lab File: VV023073.D

Acq: 27 Oct 2021 21:10

Instrument :

MSVOA_V

ClientSampleId :

BG322

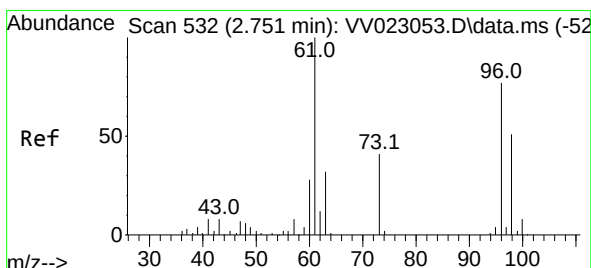
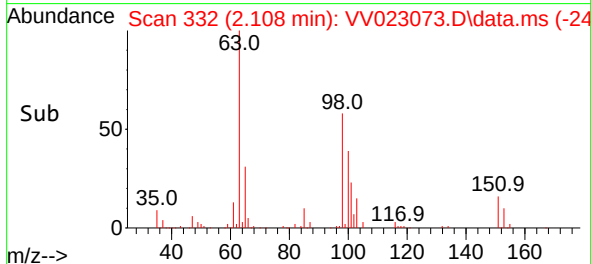
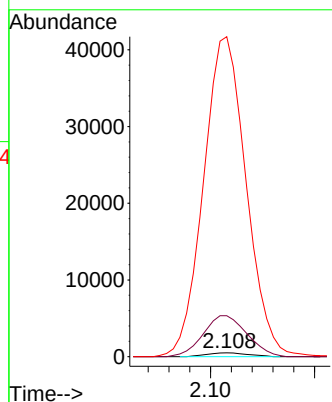
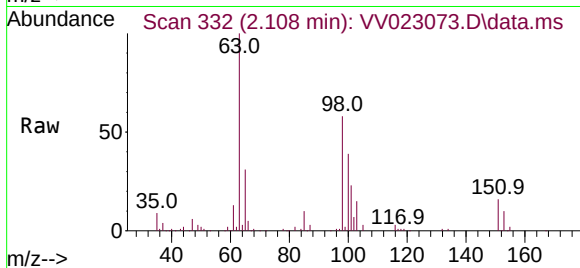
Tgt Ion: 96 Resp: 702

Ion Ratio Lower Upper

96 100

61 1043.9 121.5 225.7#

63 8146.9 99.6 185.0#



#18

trans-1,2-Dichloroethene

Concen: 1.879 ug/L

RT: 2.760 min Scan# 535

Delta R.T. 0.010 min

Lab File: VV023073.D

Acq: 27 Oct 2021 21:10

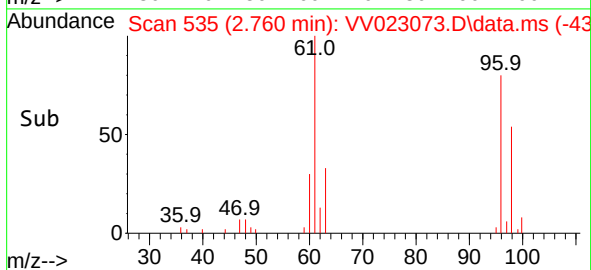
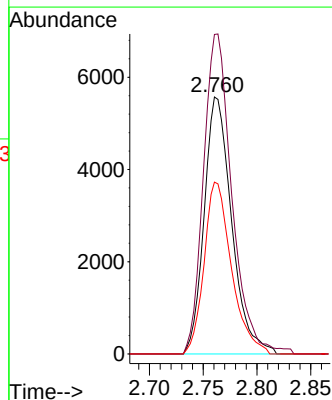
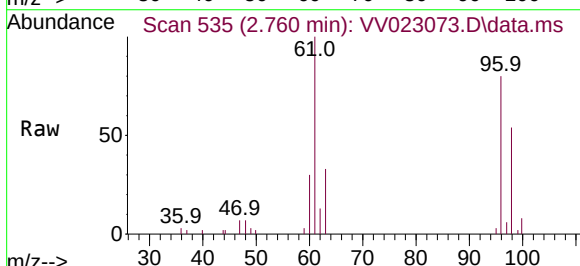
Tgt Ion: 96 Resp: 9929

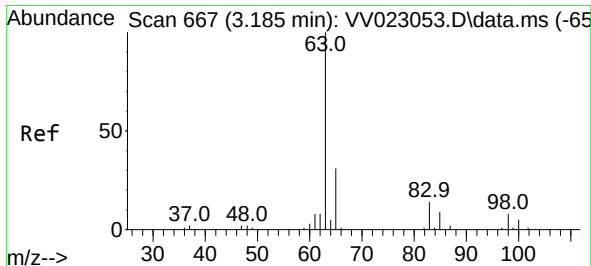
Ion Ratio Lower Upper

96 100

61 124.3 93.2 173.2

98 66.9 47.0 87.2





#19

1,1-Dichloroethane

Concen: 1.154 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV023073.D

Acq: 27 Oct 2021 21:10

Instrument :

MSVOA_V

ClientSampleId :

BG322

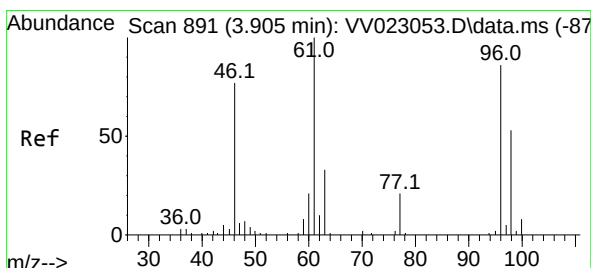
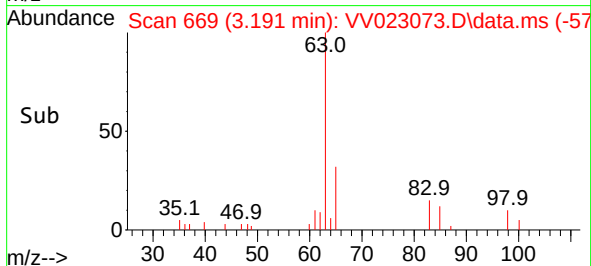
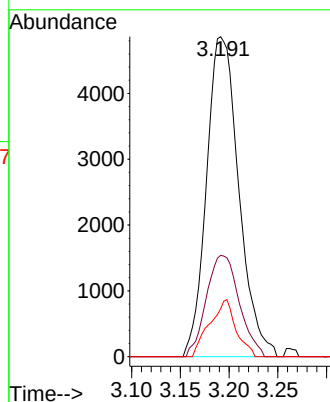
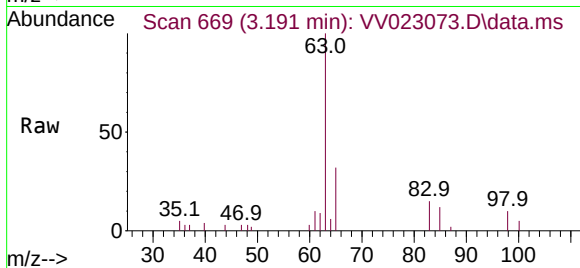
Tgt Ion: 63 Resp: 11203

Ion Ratio Lower Upper

63 100

65 31.7 22.6 42.0

83 15.0 11.1 20.7



#22

cis-1,2-Dichloroethene

Concen: 13.866 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.006 min

Lab File: VV023073.D

Acq: 27 Oct 2021 21:10

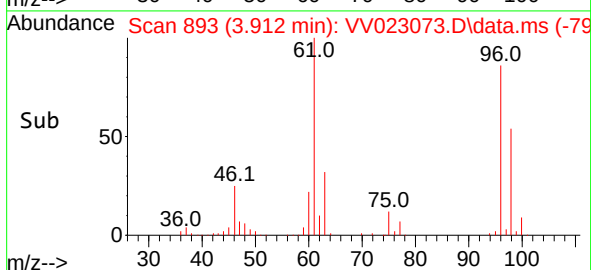
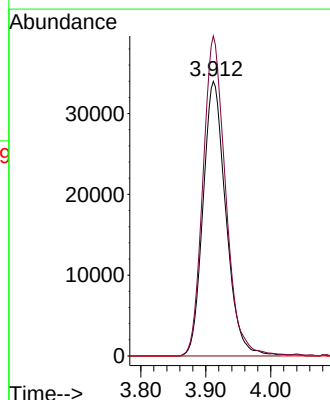
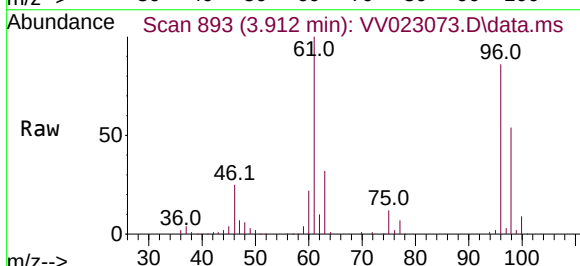
Tgt Ion: 96 Resp: 83062

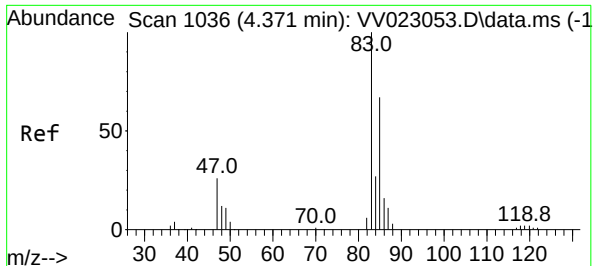
Ion Ratio Lower Upper

96 100

61 116.5 92.3 171.3

68 0.0 0.4 0.8





#25

Chloroform

Concen: 0.352 ug/L

RT: 4.384 min Scan# 1040

Delta R.T. 0.013 min

Lab File: VV023073.D

Acq: 27 Oct 2021 21:10

Instrument :

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ClientSampleId :

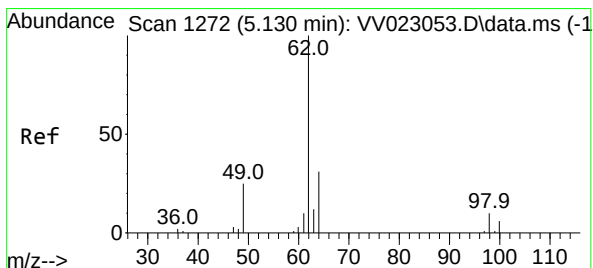
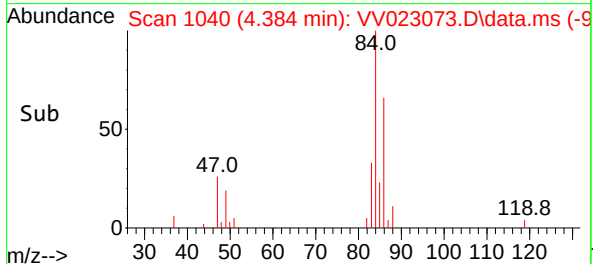
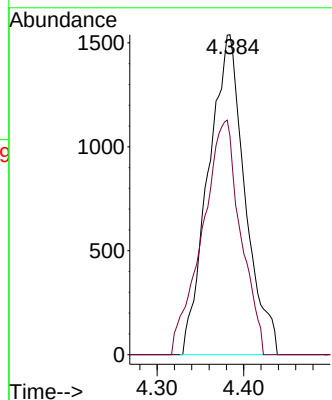
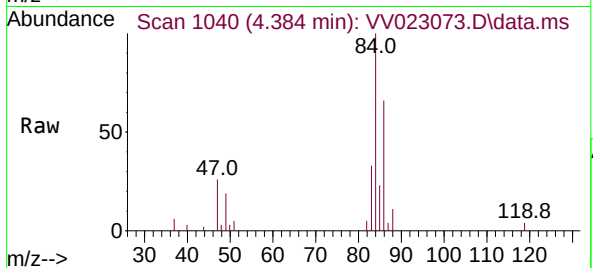
BG322

Tgt Ion: 83 Resp: 4521

Ion Ratio Lower Upper

83 100

85 68.3 46.8 86.8



#27

1,2-Dichloroethane

Concen: 0.075 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.080 min

Lab File: VV023073.D

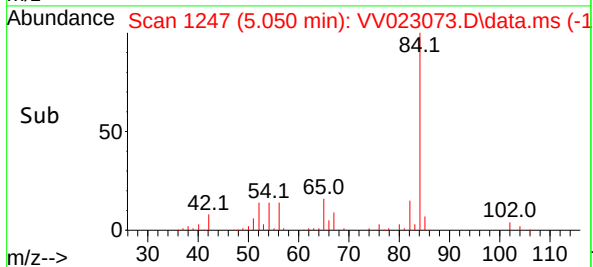
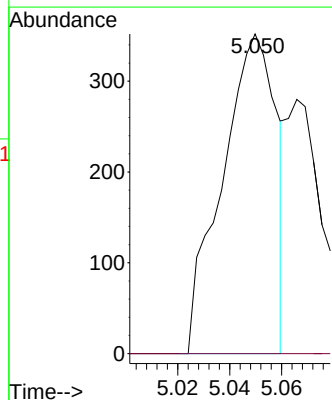
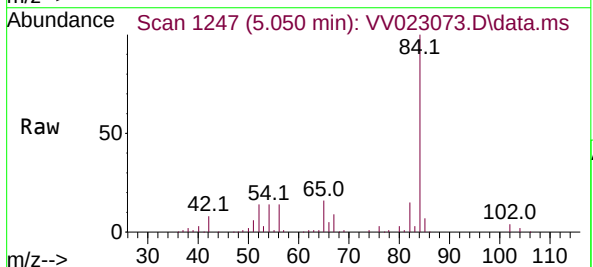
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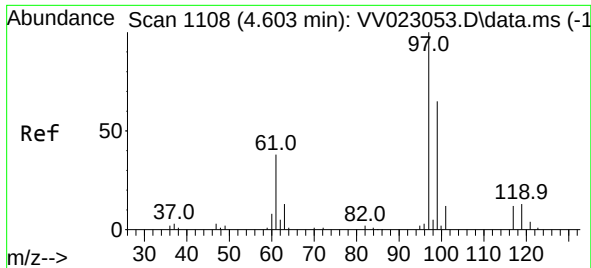
Tgt Ion: 62 Resp: 509

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#





#29

1,1,1-Trichloroethane

Concen: 1.534 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VV023073.D

Acq: 27 Oct 2021 21:10

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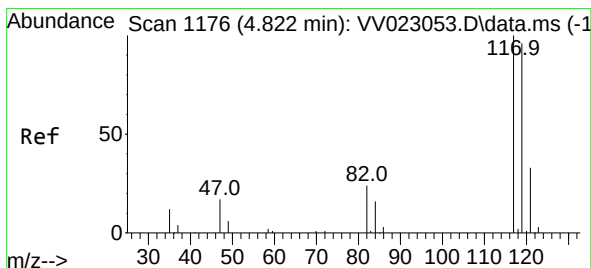
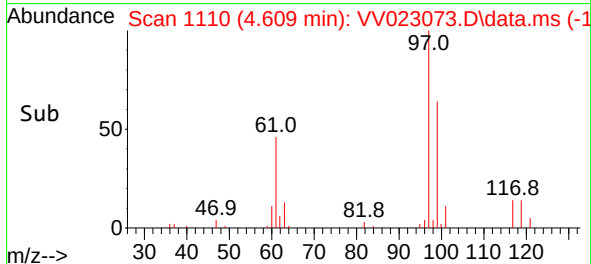
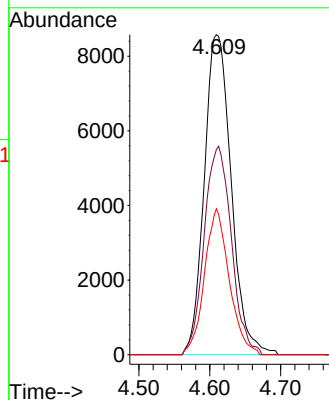
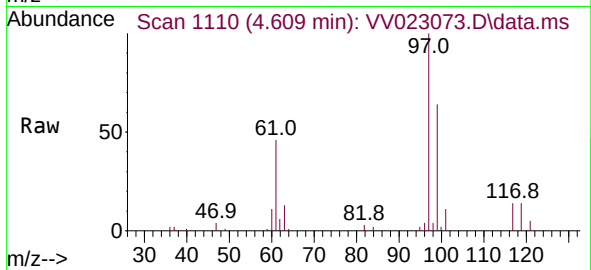
Tgt Ion: 97 Resp: 22701

Ion Ratio Lower Upper

97 100

99 65.6 51.0 76.4

61 41.9 34.1 51.1



#31

Carbon tetrachloride

Concen: 0.250 ug/L

RT: 4.616 min Scan# 1112

Delta R.T. -0.206 min

Lab File: VV023073.D

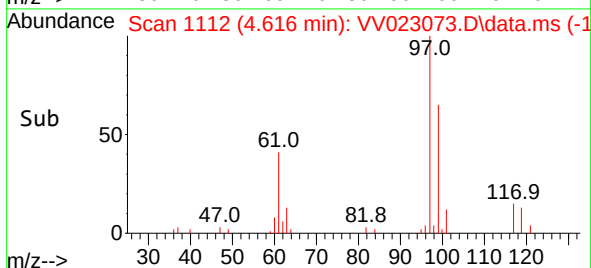
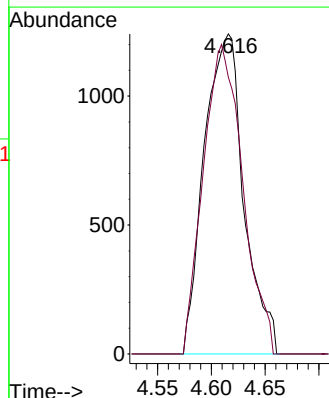
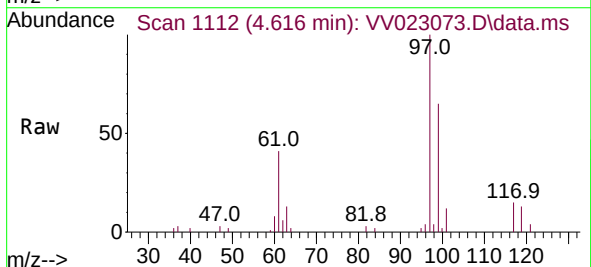
Acq: 27 Oct 2021 21:10

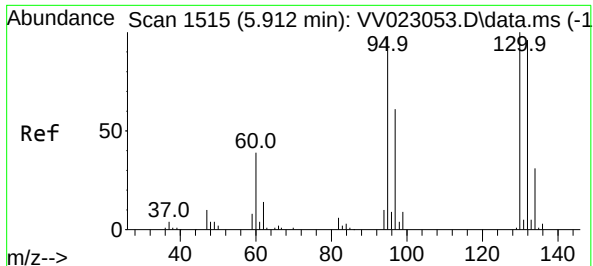
Tgt Ion: 117 Resp: 3186

Ion Ratio Lower Upper

117 100

119 96.3 78.8 118.2



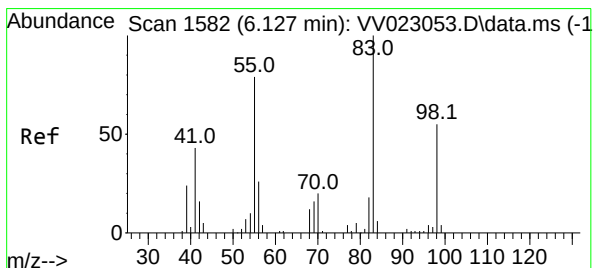
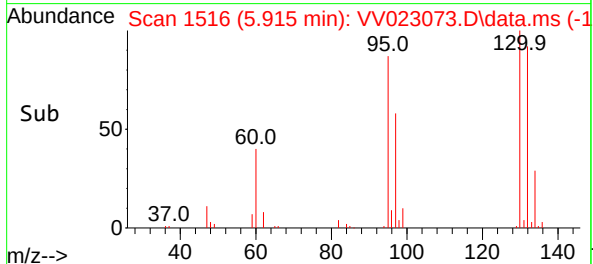
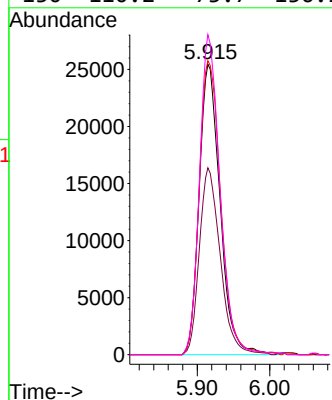
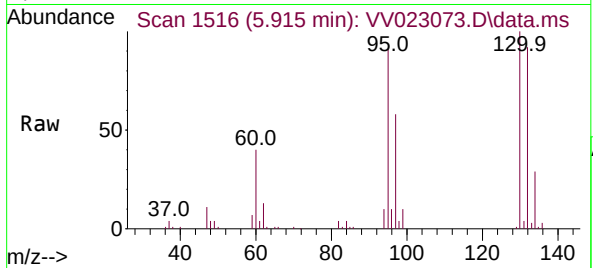


#34
Trichloroethene
Concen: 5.758 ug/L
RT: 5.915 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023073.D
Acq: 27 Oct 2021 21:10

Instrument :
MSVOA_V
ClientSampleId :
BG322

Tgt Ion: 95 Resp: 50970

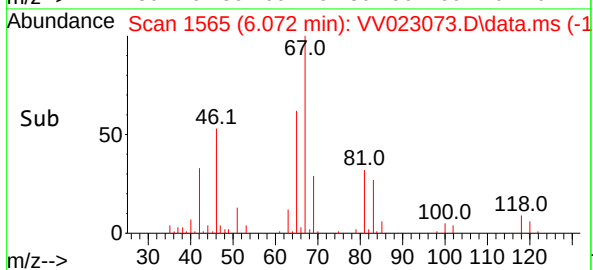
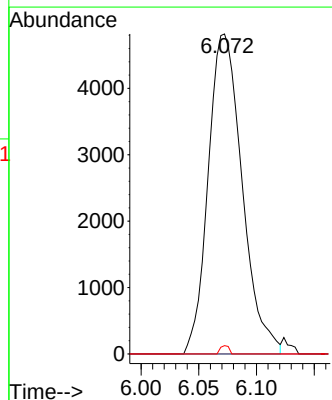
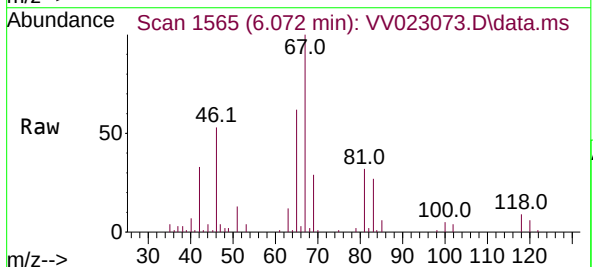
Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.0	83.6
132	101.2	69.7	129.4
130	110.2	73.7	136.9

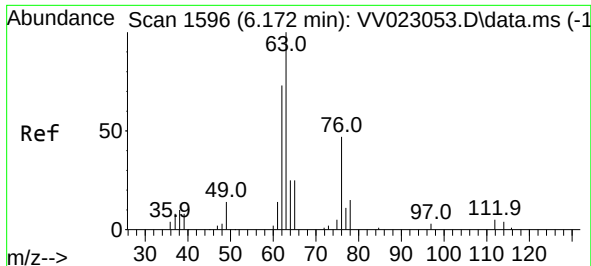


#35
Methylcyclohexane
Concen: 0.777 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV023073.D
Acq: 27 Oct 2021 21:10

Tgt Ion: 83 Resp: 9852

Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.8	94.2#
98	0.7	37.9	56.9#





#37

1,2-Dichloropropane

Concen: 0.515 ug/L

RT: 6.075 min Scan# 1

Delta R.T. -0.097 min

Lab File: VV023073.D

Acq: 27 Oct 2021 21:10

Instrument :

MSVOA_V

ClientSampleId :

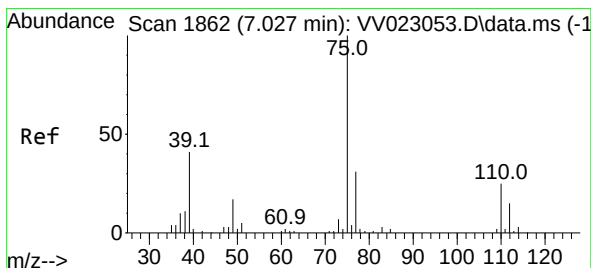
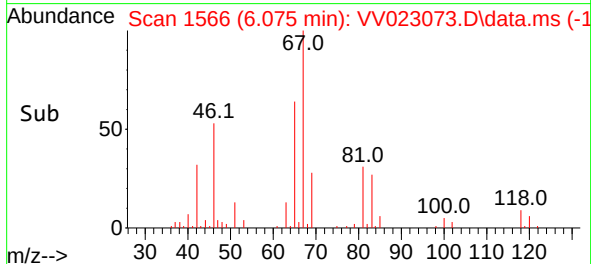
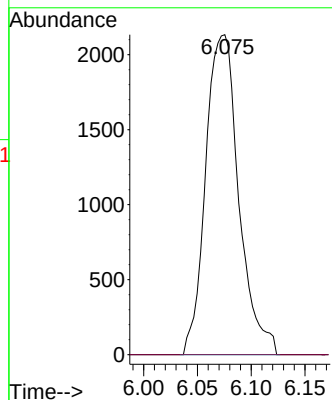
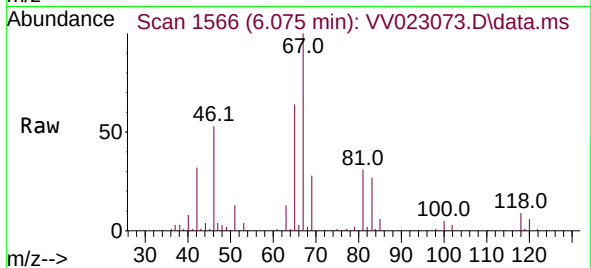
BG322

Tgt Ion: 63 Resp: 4577

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.128 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.035 min

Lab File: VV023073.D

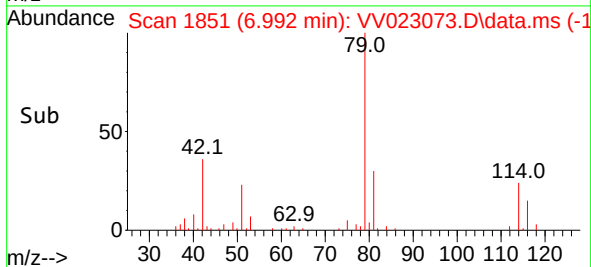
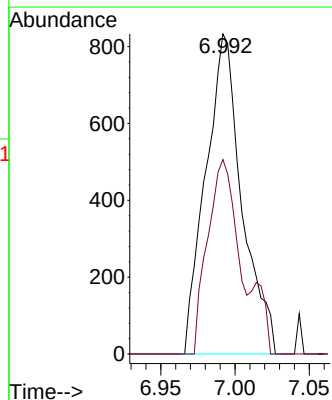
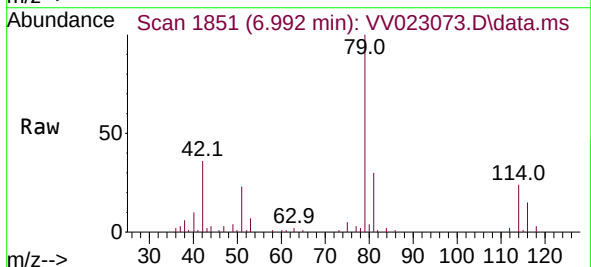
Acq: 27 Oct 2021 21:10

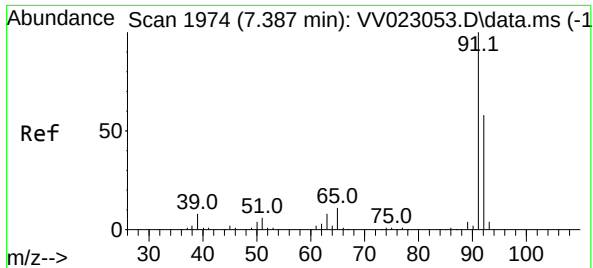
Tgt Ion: 75 Resp: 1410

Ion Ratio Lower Upper

75 100

77 60.7 21.6 40.2#

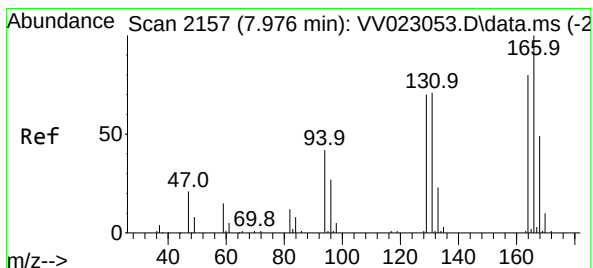
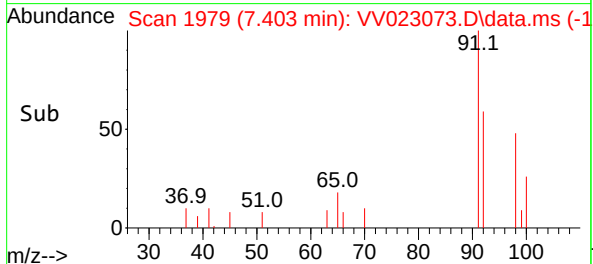
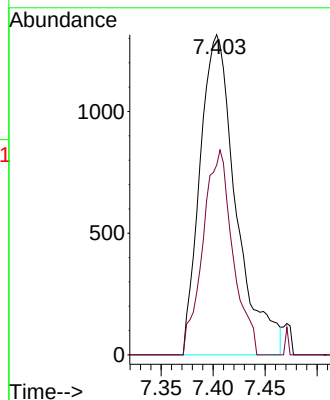
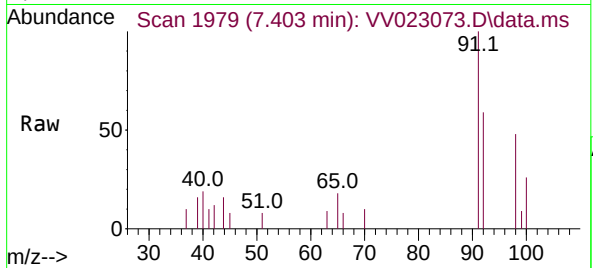




#42
Toluene
Concen: 0.089 ug/L
RT: 7.403 min Scan# 1974
Delta R.T. 0.016 min
Lab File: VV023073.D
Acq: 27 Oct 2021 21:10

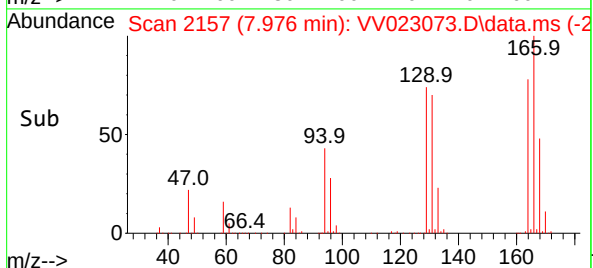
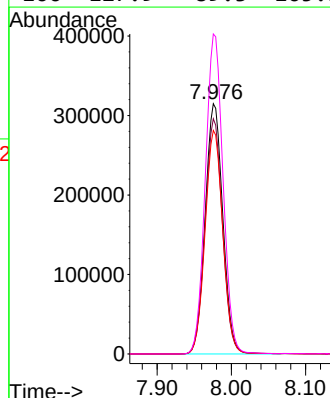
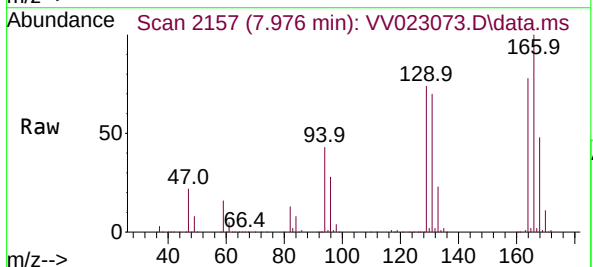
Instrument :
MSVOA_V
ClientSampleId :
BG322

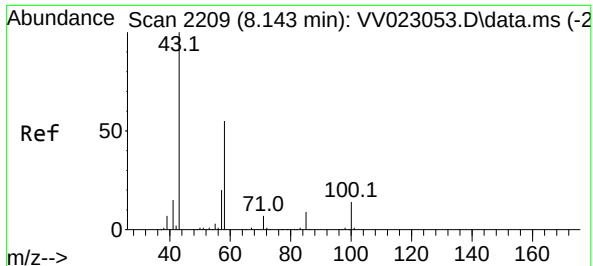
Tgt Ion: 91 Resp: 3180
Ion Ratio Lower Upper
91 100
92 59.3 39.3 72.9



#47
Tetrachloroethene
Concen: 69.665 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.000 min
Lab File: VV023073.D
Acq: 27 Oct 2021 21:10

Tgt Ion: 164 Resp: 520979
Ion Ratio Lower Upper
164 100
129 94.0 64.0 119.0
131 89.3 63.4 117.8
166 127.9 89.3 165.9

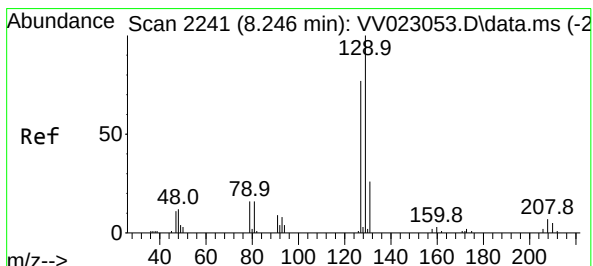
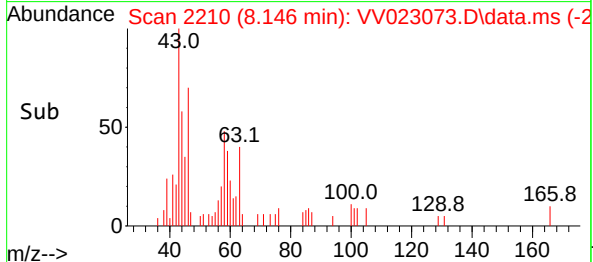
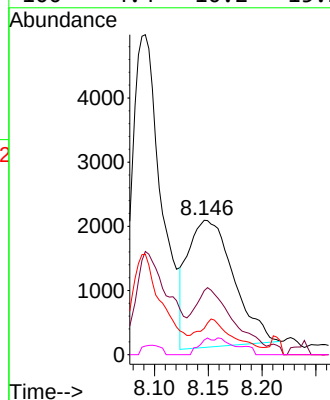
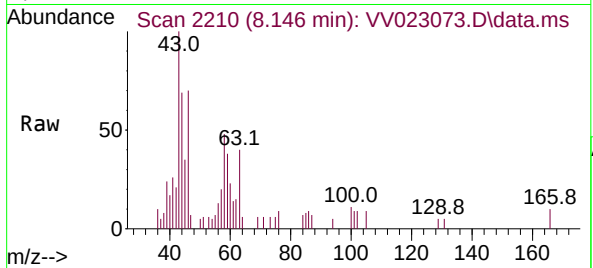




#48
2-Hexanone
Concen: 1.888 ug/L
RT: 8.146 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV023073.D
Acq: 27 Oct 2021 21:10

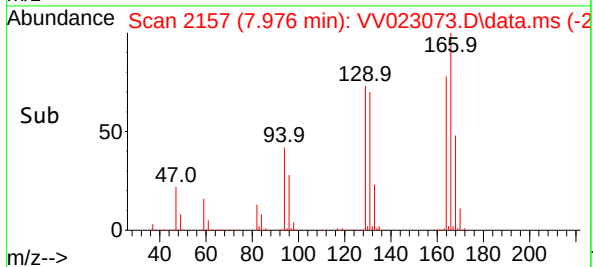
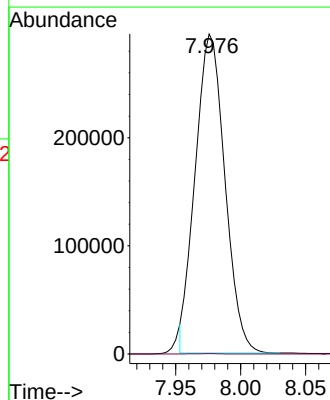
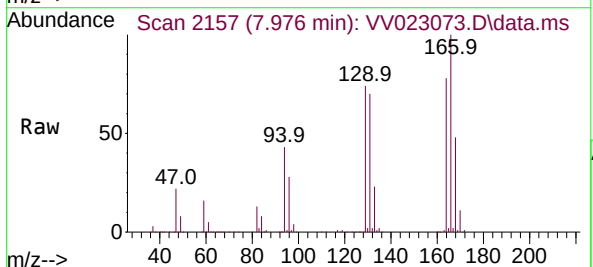
Instrument :
MSVOA_V
ClientSampleId :
BG322

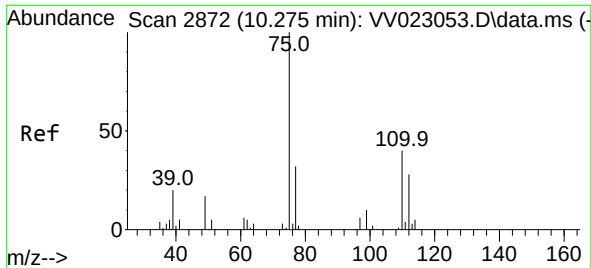
Tgt Ion: 43 Resp: 5860
Ion Ratio Lower Upper
43 100
58 37.8 43.7 65.5#
57 21.6 14.1 21.1#
100 4.4 10.2 15.2#



#49
Dibromochloromethane
Concen: 63.166 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV023073.D
Acq: 27 Oct 2021 21:10

Tgt Ion: 129 Resp: 466959
Ion Ratio Lower Upper
129 100
127 0.1 54.7 101.7#





#61
 1,2,3-Trichloropropane
 Concen: 1.469 ug/L
 RT: 11.249 min Scan# 31
 Delta R.T. 0.974 min
 Lab File: VV023073.D
 Acq: 27 Oct 2021 21:10

Instrument :
 MSVOA_V
 ClientSampleId :
 BG322

Tgt Ion: 75	Resp:	5718
Ion Ratio	Lower	Upper
75	100	
77	36.7	26.6 39.8
110	1.2	31.8 47.6#

