

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060922\
 Data File : VW026069.D
 Acq On : 09 Jun 2022 21:45
 Operator : SY/MD
 Sample : N3272-05
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0B49

Quant Time: Jun 10 05:44:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 10 05:25:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.629	114	193208	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	174874	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	70828	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.323	65	40832	3.600	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.000%
7) Chloroethane-d5	1.584	69	48465	4.087	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.800%
11) 1,1-Dichloroethene-d2	2.124	63	80334	3.066	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.400%
20) 2-Butanone-d5	3.912	46	98880	58.946	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.900%
24) Chloroform-d	4.362	84	114247	4.753	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
26) 1,2-Dichloroethane-d4	5.047	65	48536	4.950	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	5.063	84	194653	4.606	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.092	67	65104	4.980	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.323	98	140484	3.762	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.200%
43) trans-1,3-Dichloroprop...	7.629	79	16199	4.209	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.200%
46) 2-Hexanone-d5	8.092	63	102905	60.755	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.500%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	45853	5.202	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	53975	4.981	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.256	50	1159	0.054	ug/L	98
5) Vinyl chloride	1.327	62	1854	0.083	ug/L #	71
6) Bromomethane	1.545	94	624	0.048	ug/L	93
9) Trichlorofluoromethane	1.767	101	2984193	105.286	ug/L	99
12) 1,1-Dichloroethene	2.134	96	27899	1.795	ug/L #	77
16) Methylene chloride	2.523	84	10030	0.648	ug/L	96
18) trans-1,2-Dichloroethene	2.777	96	21780	1.486	ug/L	97
19) 1,1-Dichloroethane	3.211	63	4502	0.169	ug/L #	92
22) cis-1,2-Dichloroethene	3.928	96	310385	21.487	ug/L	98
25) Chloroform	4.391	83	60979	2.228	ug/L	99
27) 1,2-Dichloroethane	5.153	62	14874	1.099	ug/L	96
29) 1,1,1-Trichloroethane	4.629	97	1987	0.087	ug/L #	70
31) Carbon tetrachloride	4.841	117	34037	1.806	ug/L	100
33) Benzene	5.121	78	2572	0.047	ug/L	100
35) Methylcyclohexane	5.953	83	1097320	49.580	ug/L #	1
37) 1,2-Dichloropropane	5.953	63	271061	20.352	ug/L #	86
39) cis-1,3-Dichloropropene	6.998	75	1295	0.079	ug/L	87
47) Tetrachloroethene	7.979	164	946257	85.143	ug/L	100
49) Dibromochloromethane	7.979	129	906673	96.036	ug/L #	9

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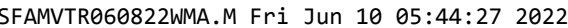
Instrument :
MSVOA_V
ClientSampleId :
C0B49

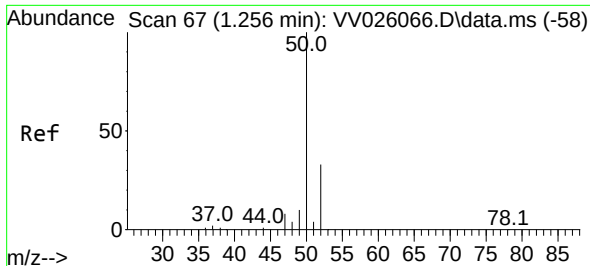
Quant Time: Jun 10 05:44:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jun 10 05:25:55 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	8.886	112	15918	0.426	ug/L	98
61) 1,2,3-Trichloropropane	11.249	75	8838	1.599	ug/L #	66

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

Quant Time: Jun 10 05:44:20 2022
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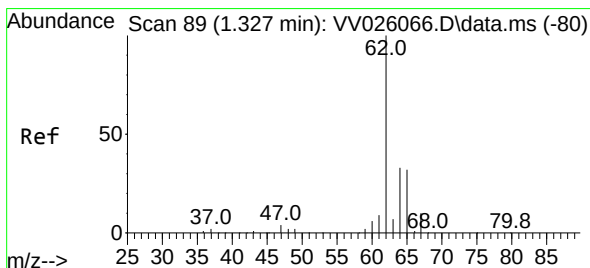
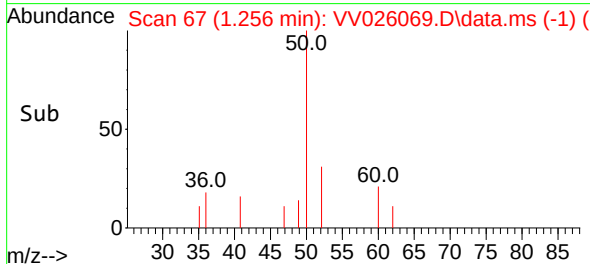
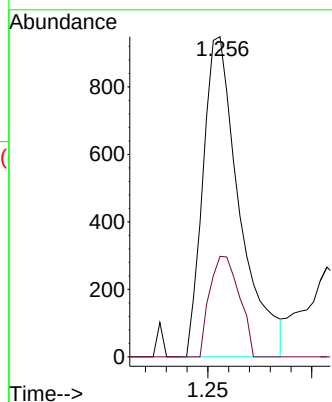
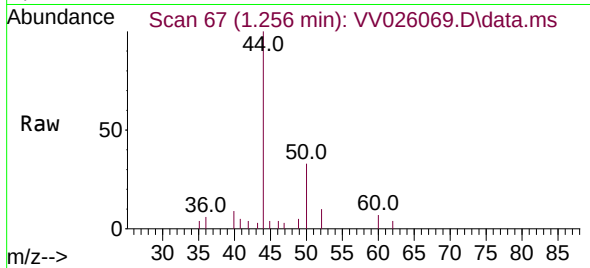




#3
Chloromethane
Concen: 0.054 ug/L
RT: 1.256 min Scan# 67
Delta R.T. 0.000 min
Lab File: VV026069.D
Acq: 09 Jun 2022 21:45

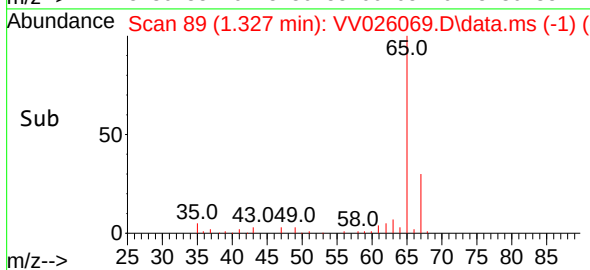
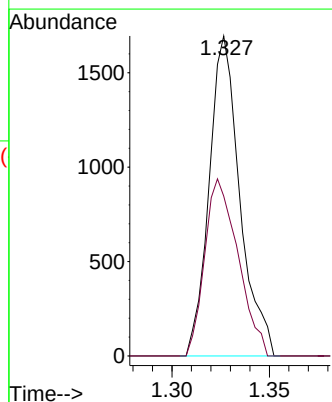
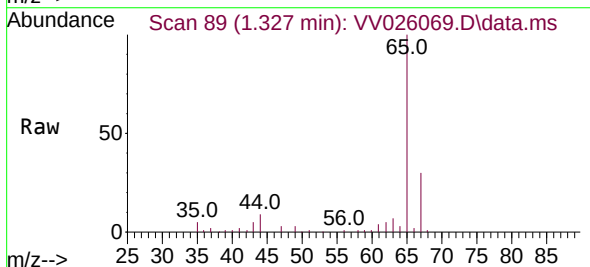
Instrument :
MSVOA_V
ClientSampleId :
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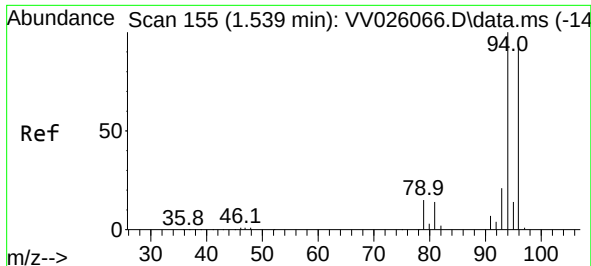
Tgt Ion: 50 Resp: 1159
Ion Ratio Lower Upper
50 100
52 31.4 23.0 42.6



#5
Vinyl chloride
Concen: 0.083 ug/L
RT: 1.327 min Scan# 89
Delta R.T. 0.000 min
Lab File: VV026069.D
Acq: 09 Jun 2022 21:45

Tgt Ion: 62 Resp: 1854
Ion Ratio Lower Upper
62 100
64 50.0 23.4 43.4#

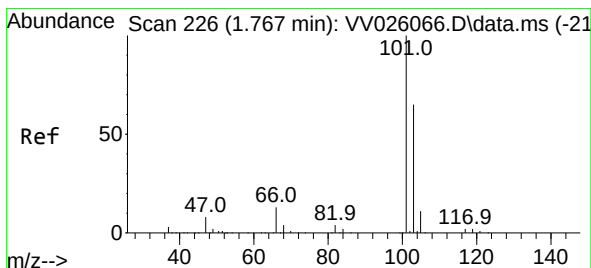
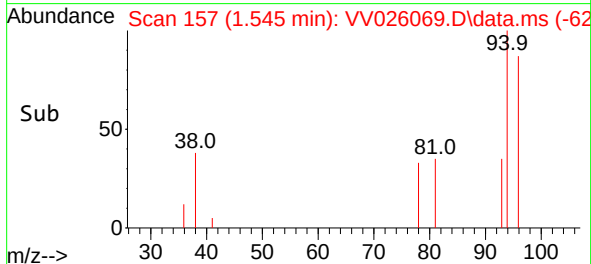
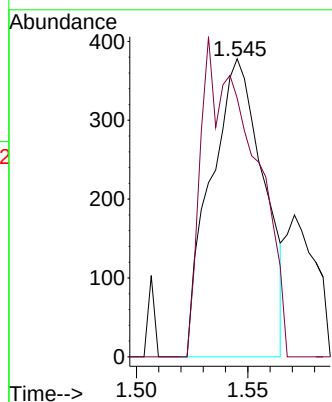
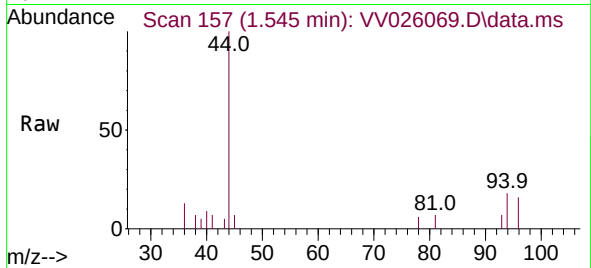




#6
Bromomethane
Concen: 0.048 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV026069.D
Acq: 09 Jun 2022 21:45

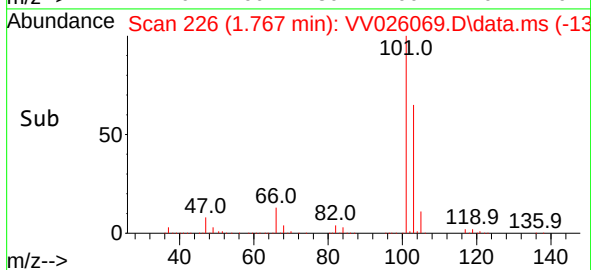
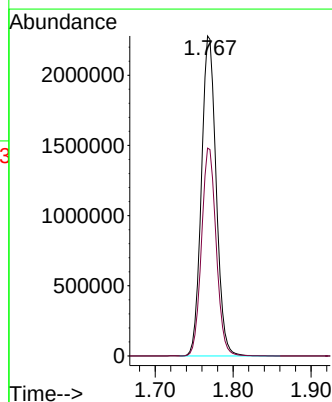
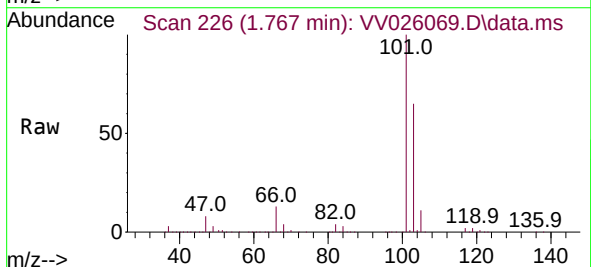
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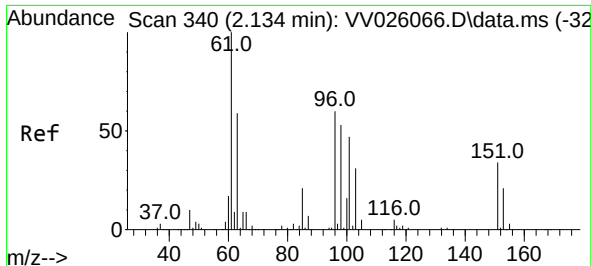
Tgt Ion: 94 Resp: 624
Ion Ratio Lower Upper
94 100
96 86.8 65.5 121.6



#9
Trichlorofluoromethane
Concen: 105.286 ug/L
RT: 1.767 min Scan# 226
Delta R.T. 0.000 min
Lab File: VV026069.D
Acq: 09 Jun 2022 21:45

Tgt Ion:101 Resp: 2984193
Ion Ratio Lower Upper
101 100
103 64.9 52.6 78.8

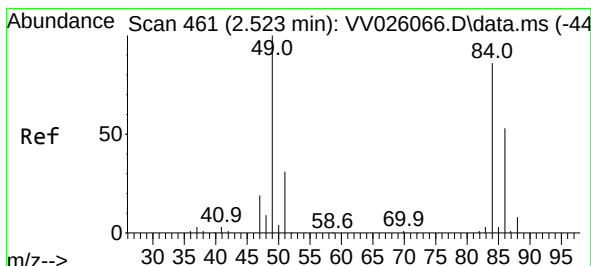
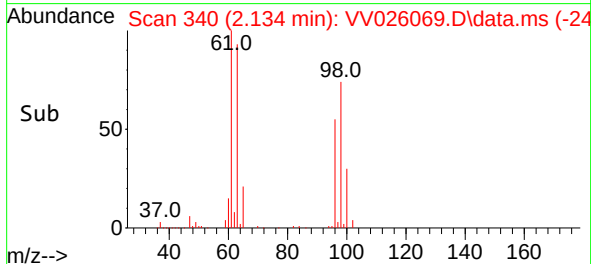
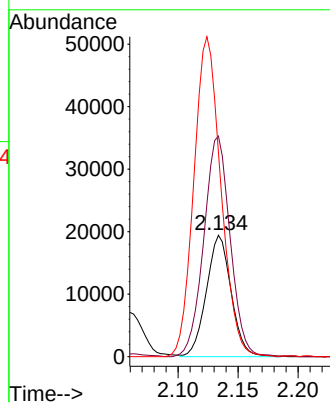
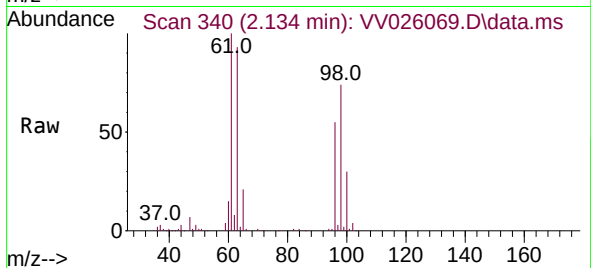




#12
1,1-Dichloroethene
Concen: 1.795 ug/L
RT: 2.134 min Scan# 340
Delta R.T. 0.000 min
Lab File: VV026069.D
Acq: 09 Jun 2022 21:45

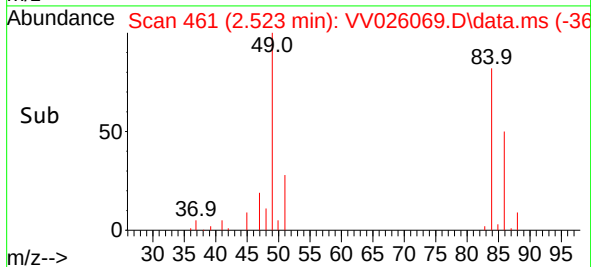
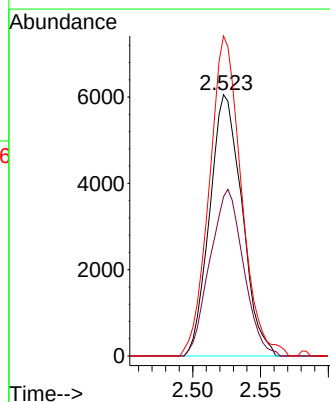
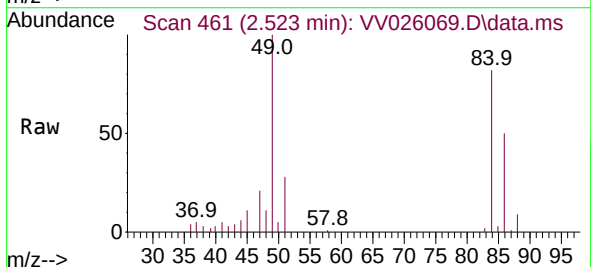
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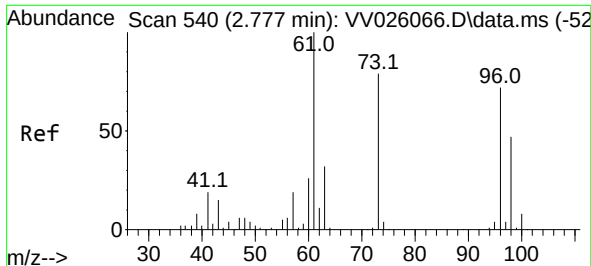
Tgt Ion: 96 Resp: 27899
Ion Ratio Lower Upper
96 100
61 181.7 122.6 227.6
63 168.2 78.5 145.9#



#16
Methylene chloride
Concen: 0.648 ug/L
RT: 2.523 min Scan# 461
Delta R.T. 0.000 min
Lab File: VV026069.D
Acq: 09 Jun 2022 21:45

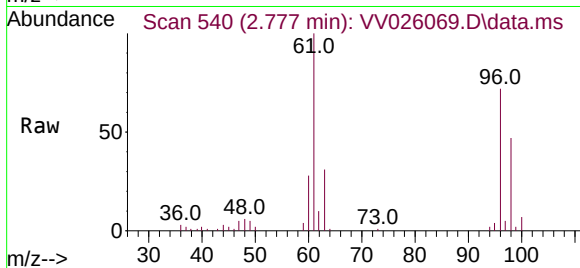
Tgt Ion: 84 Resp: 10030
Ion Ratio Lower Upper
84 100
86 61.0 45.6 84.6
49 122.4 82.9 153.9



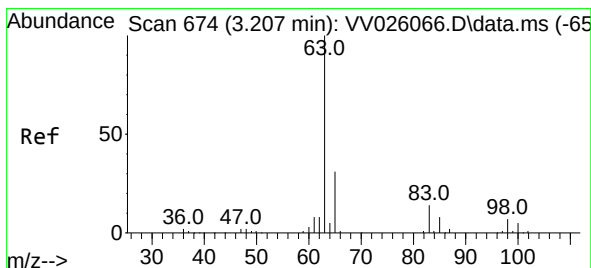
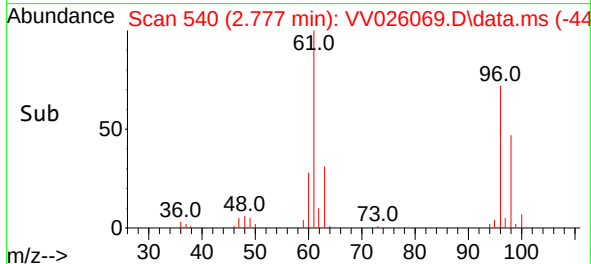
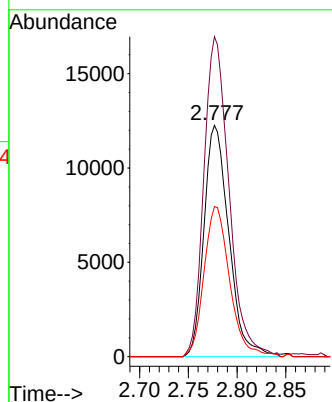


#18
trans-1,2-Dichloroethene
Concen: 1.486 ug/L
RT: 2.777 min Scan# 540
Delta R.T. 0.000 min
Lab File: VV026069.D
Acq: 09 Jun 2022 21:45

Instrument :
MSVOA_V
ClientSampleId :
C0B49

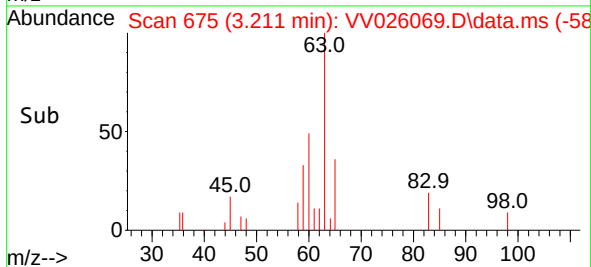
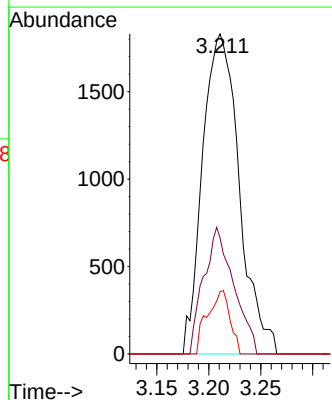
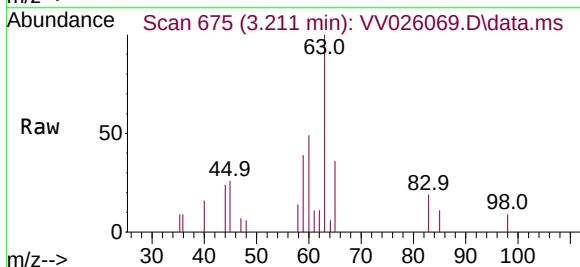


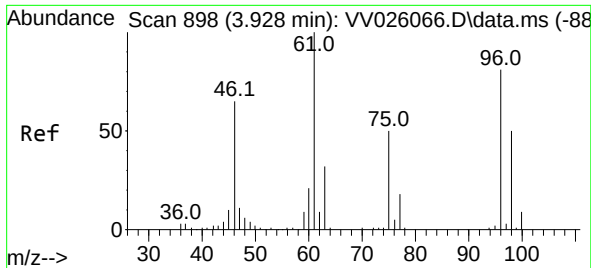
Tgt Ion: 96	Resp: 21780
Ion Ratio	Lower Upper
96 100	
61 138.3	94.3 175.1
98 64.9	44.4 82.5



#19
1,1-Dichloroethane
Concen: 0.169 ug/L
RT: 3.211 min Scan# 675
Delta R.T. 0.003 min
Lab File: VV026069.D
Acq: 09 Jun 2022 21:45

Tgt Ion: 63	Resp: 4502		
Ion Ratio	Lower	Upper	
63 100			
65 36.3	23.1	42.9	
83 19.5	9.7	18.1#	

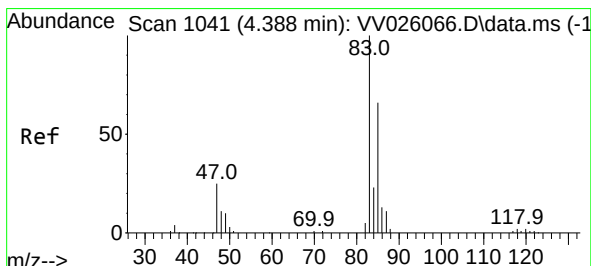
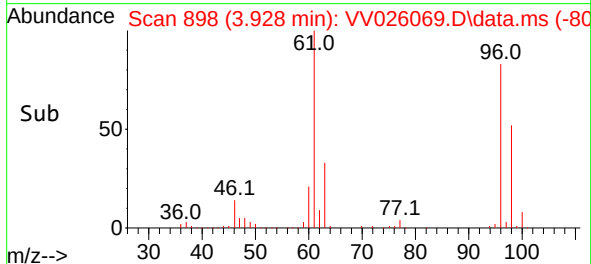
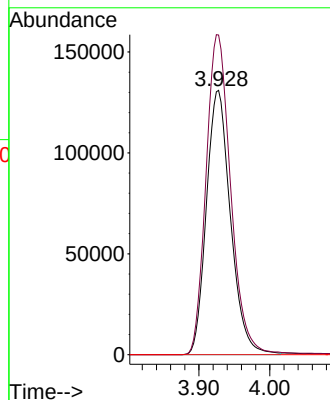
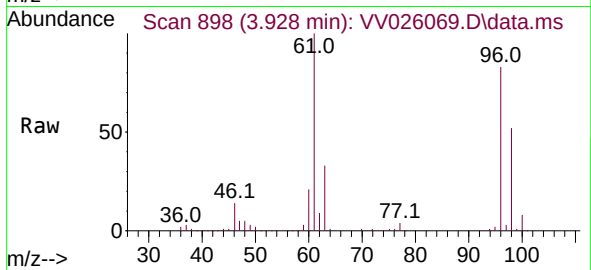




#22
 cis-1,2-Dichloroethene
 Concen: 21.487 ug/L
 RT: 3.928 min Scan# 898
 Delta R.T. 0.000 min
 Lab File: VV026069.D
 Acq: 09 Jun 2022 21:45

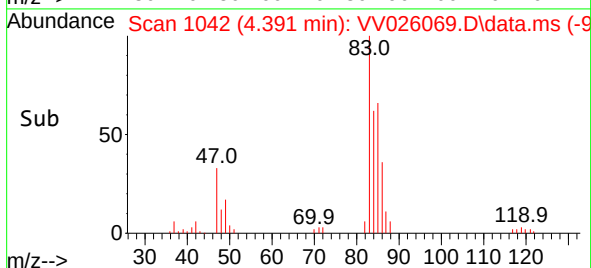
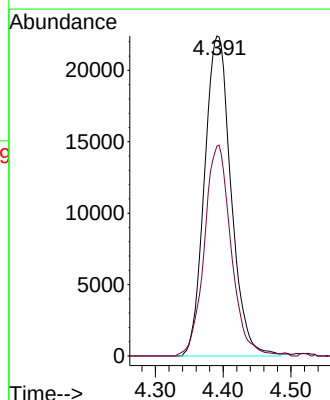
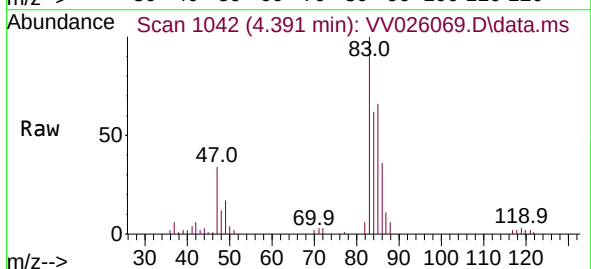
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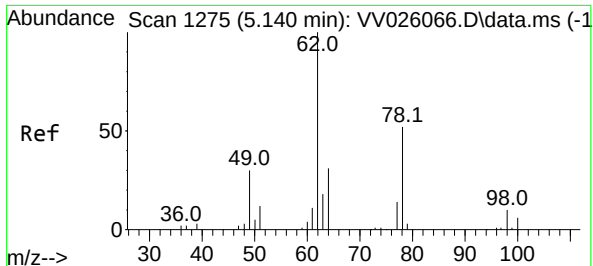
Tgt Ion: 96 Resp: 310385
 Ion Ratio Lower Upper
 96 100
 61 120.9 83.1 154.3
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 2.228 ug/L
 RT: 4.391 min Scan# 1042
 Delta R.T. 0.003 min
 Lab File: VV026069.D
 Acq: 09 Jun 2022 21:45

Tgt Ion: 83 Resp: 60979
 Ion Ratio Lower Upper
 83 100
 85 65.6 45.2 84.0





#27

1,2-Dichloroethane

Concen: 1.099 ug/L

RT: 5.153 min Scan# 1116

Delta R.T. 0.013 min

Lab File: VV026069.D

Acq: 09 Jun 2022 21:45

Instrument :

MSVOA_V

ClientSampleId :

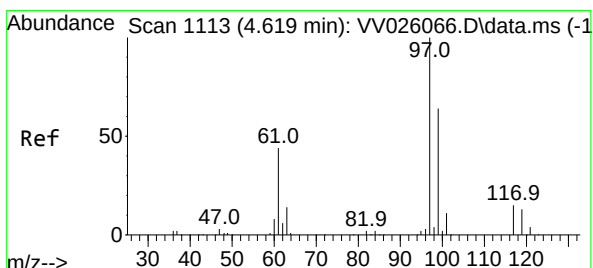
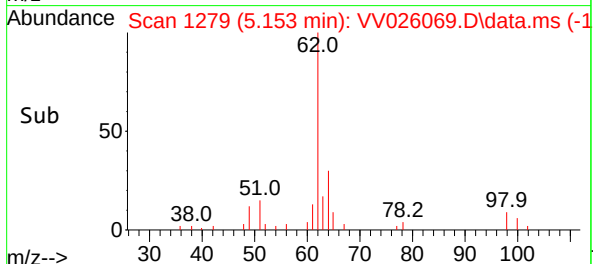
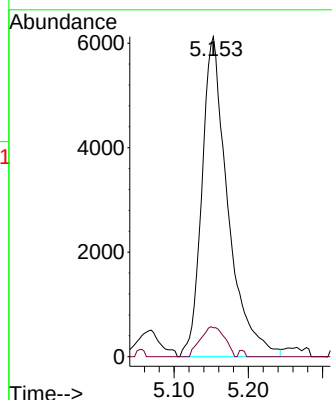
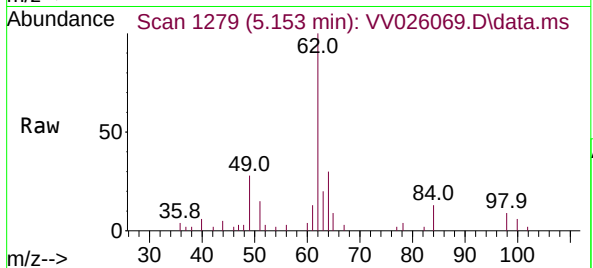
C0B49

Tgt Ion: 62 Resp: 14874

Ion Ratio Lower Upper

62 100

98 9.0 8.5 12.7



#29

1,1,1-Trichloroethane

Concen: 0.087 ug/L

RT: 4.629 min Scan# 1116

Delta R.T. 0.010 min

Lab File: VV026069.D

Acq: 09 Jun 2022 21:45

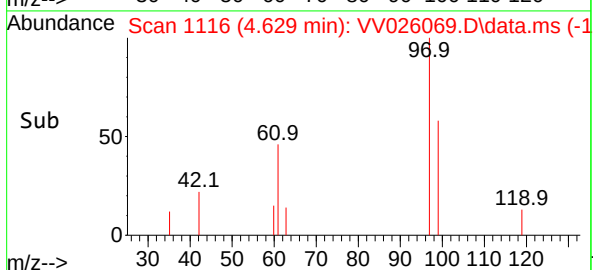
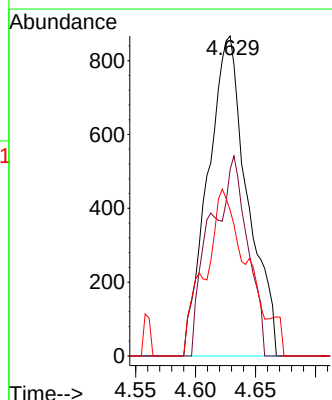
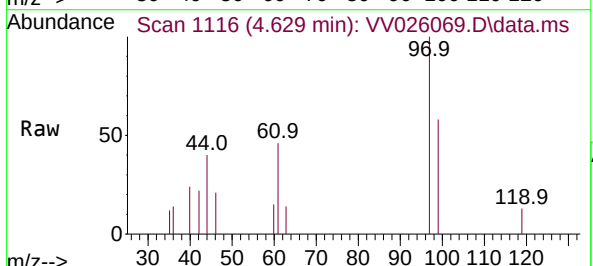
Tgt Ion: 97 Resp: 1987

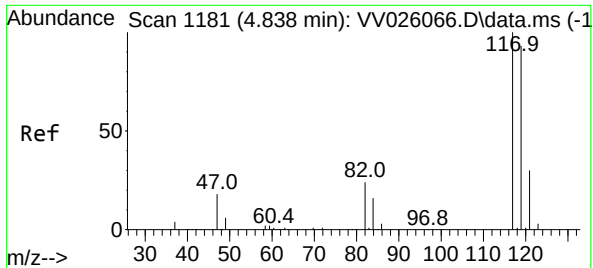
Ion Ratio Lower Upper

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99 34.1 51.4 77.0#

61 54.2 34.9 52.3#

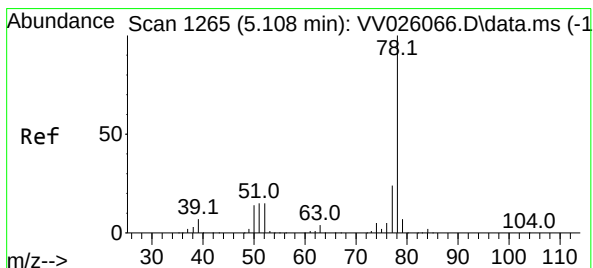
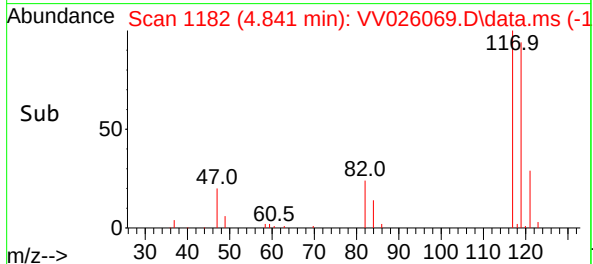
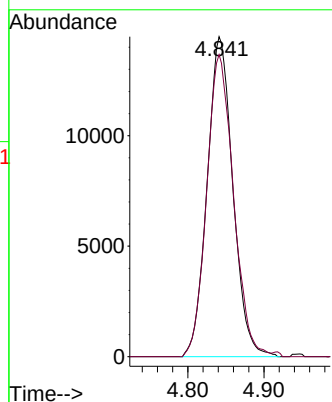
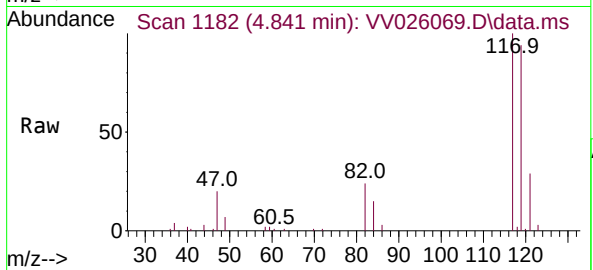




#31
Carbon tetrachloride
Concen: 1.806 ug/L
RT: 4.841 min Scan# 1181
Delta R.T. 0.003 min
Lab File: VV026069.D
Acq: 09 Jun 2022 21:45

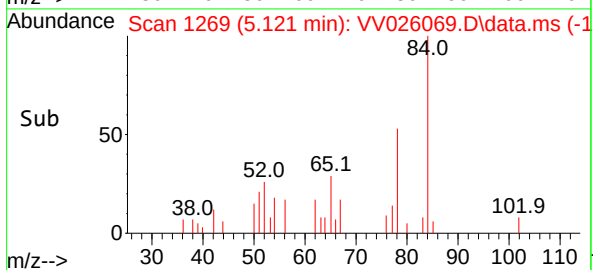
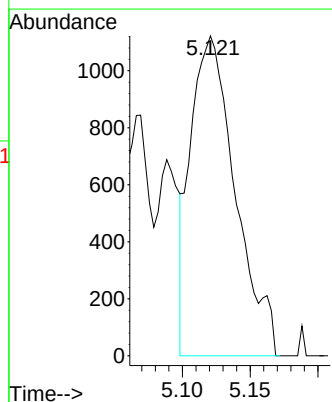
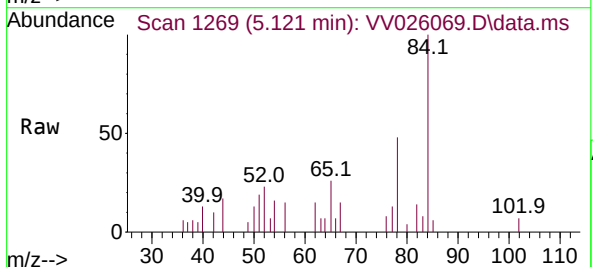
Instrument :
MSVOA_V
ClientSampleId :
C0B49

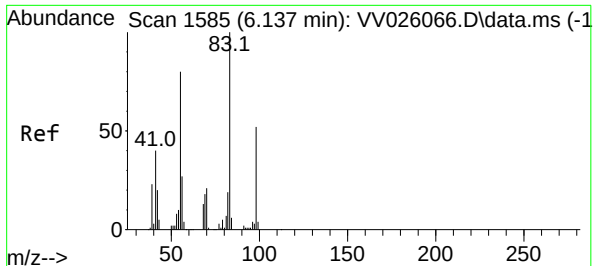
Tgt Ion:117 Resp: 34037
Ion Ratio Lower Upper
117 100
119 98.3 78.7 118.1



#33
Benzene
Concen: 0.047 ug/L
RT: 5.121 min Scan# 1269
Delta R.T. 0.013 min
Lab File: VV026069.D
Acq: 09 Jun 2022 21:45

Tgt Ion: 78 Resp: 2572





#35

Methylcyclohexane

Concen: 49.580 ug/L

RT: 5.953 min Scan# 1528

Delta R.T. -0.183 min

Lab File: VV026069.D

Acq: 09 Jun 2022 21:45

Instrument :

MSVOA_V

ClientSampleId :

C0B49

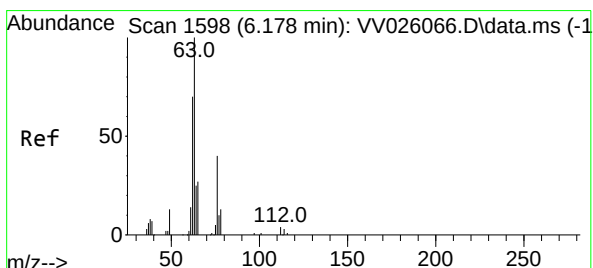
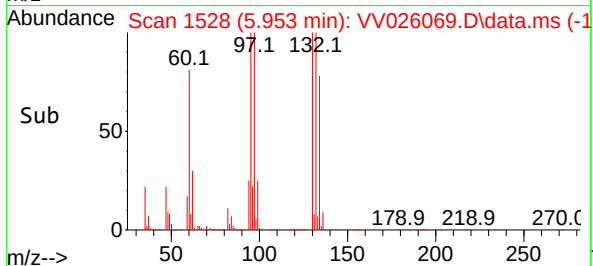
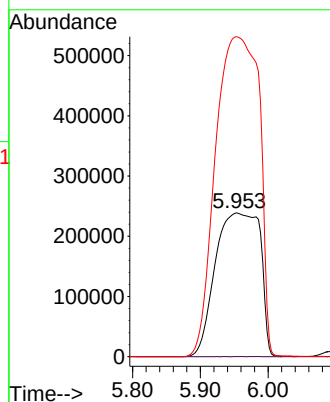
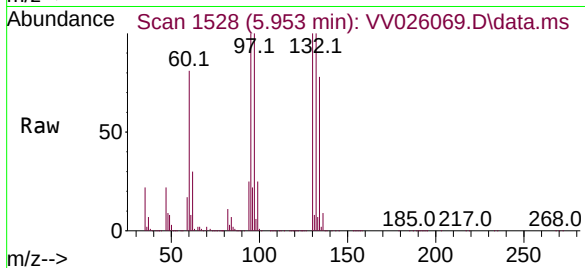
Tgt Ion: 83 Resp: 1097320

Ion Ratio Lower Upper

83 100

55 0.0 59.4 89.0#

98 216.9 38.9 58.3#



#37

1,2-Dichloropropane

Concen: 20.352 ug/L

RT: 5.953 min Scan# 1528

Delta R.T. -0.225 min

Lab File: VV026069.D

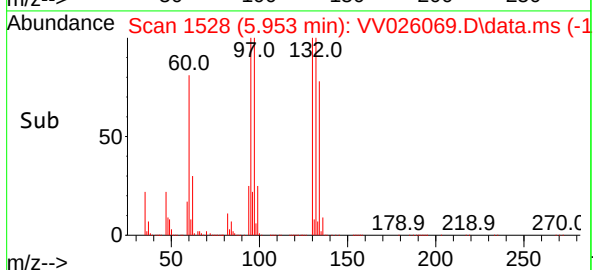
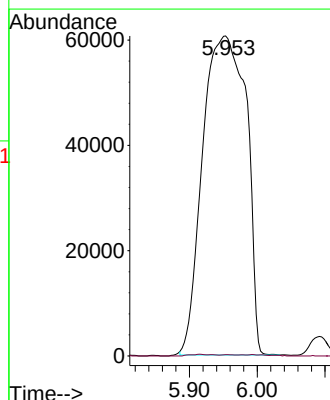
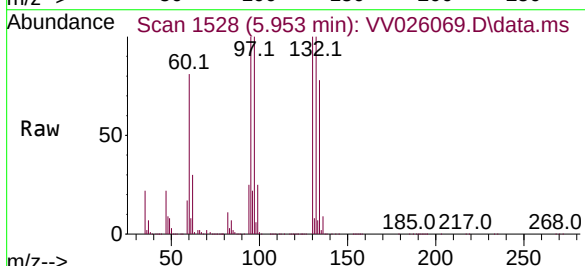
Acq: 09 Jun 2022 21:45

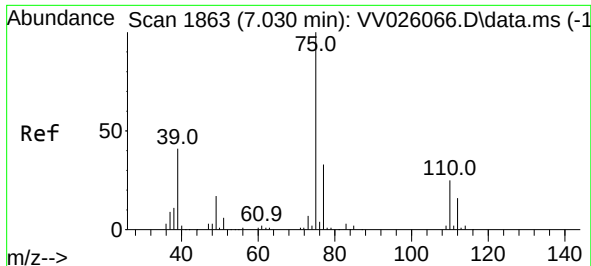
Tgt Ion: 63 Resp: 271061

Ion Ratio Lower Upper

63 100

112 0.1 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 6.998 min Scan# 1853

Delta R.T. -0.032 min

Lab File: VV026069.D

Acq: 09 Jun 2022 21:45

Instrument :

MSVOA_V

ClientSampleId :

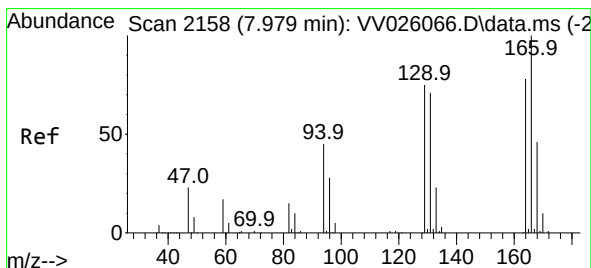
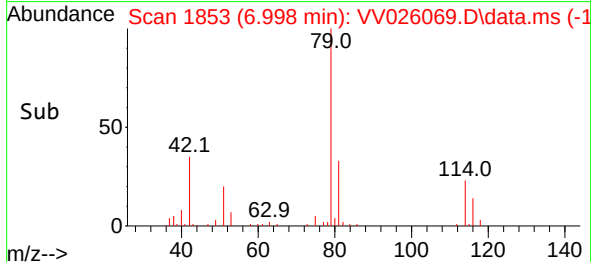
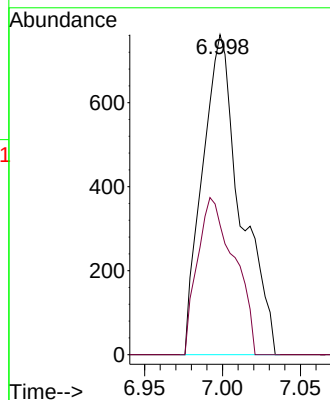
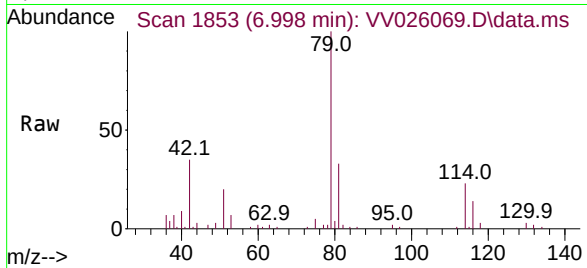
C0B49

Tgt Ion: 75 Resp: 1295

Ion Ratio Lower Upper

75 100

77 40.6 23.2 43.0



#47

Tetrachloroethene

Concen: 85.143 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.000 min

Lab File: VV026069.D

Acq: 09 Jun 2022 21:45

Tgt Ion: 164 Resp: 946257

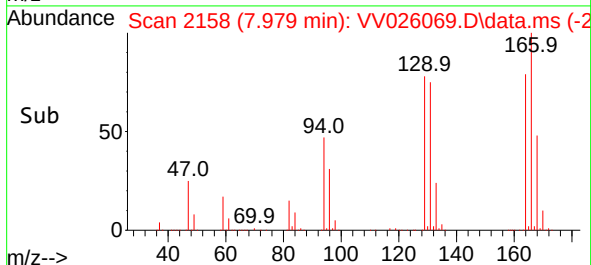
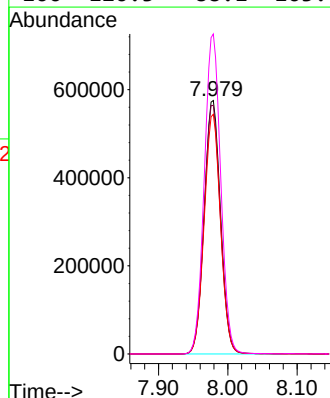
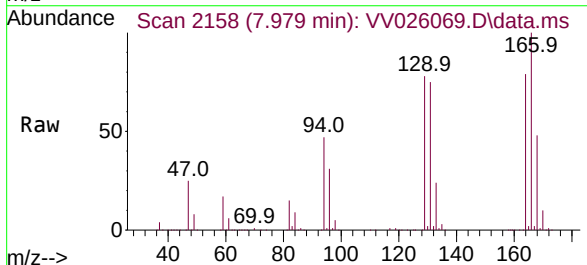
Ion Ratio Lower Upper

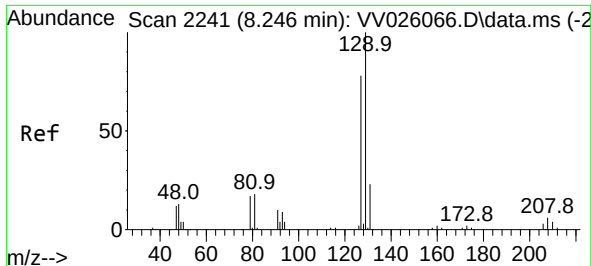
164 100

129 98.1 68.3 126.9

131 94.6 66.5 123.5

166 126.3 88.1 163.7





#49

Dibromochloromethane

Concen: 96.036 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV026069.D

Acq: 09 Jun 2022 21:45

Instrument :

MSVOA_V

ClientSampleId :

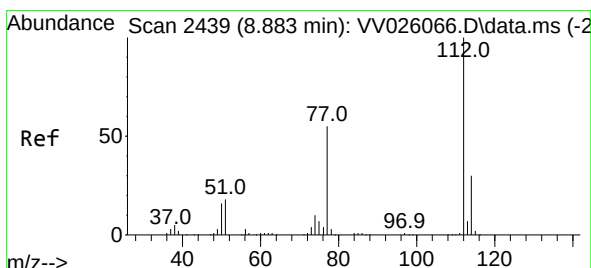
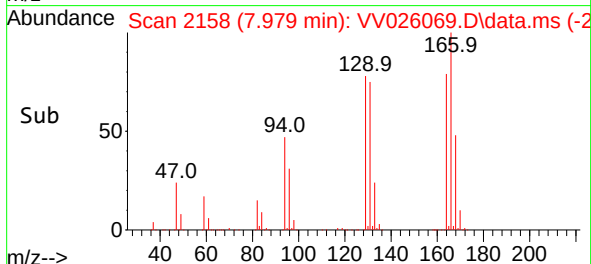
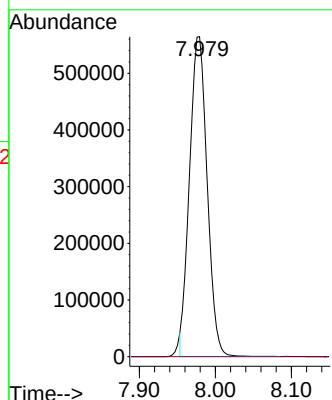
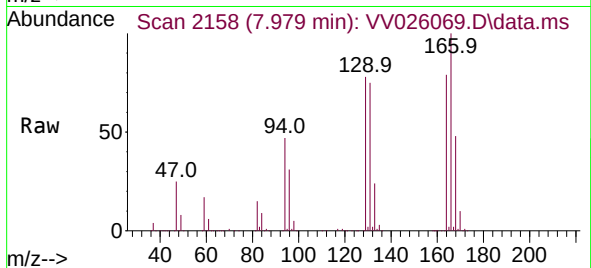
C0B49

Tgt Ion:129 Resp: 906673

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#51

Chlorobenzene

Concen: 0.426 ug/L

RT: 8.886 min Scan# 2440

Delta R.T. 0.003 min

Lab File: VV026069.D

Acq: 09 Jun 2022 21:45

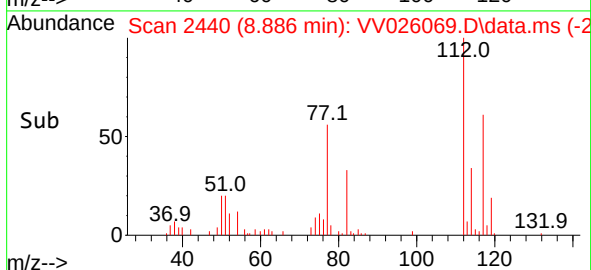
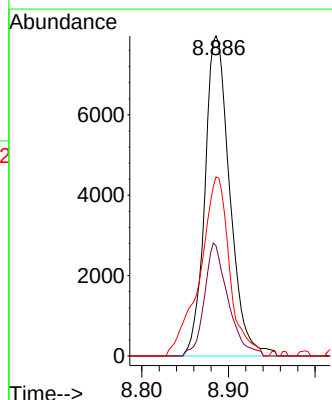
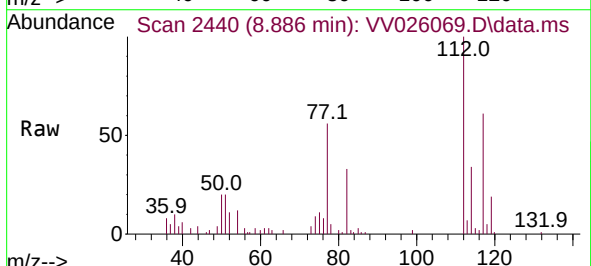
Tgt Ion:112 Resp: 15918

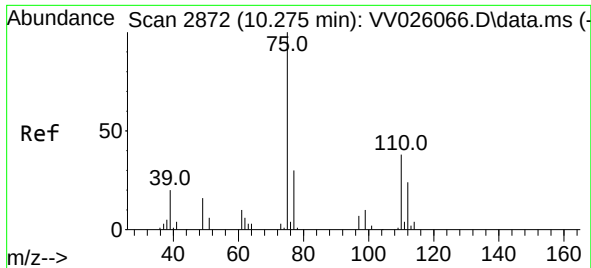
Ion Ratio Lower Upper

112 100

114 34.4 22.3 41.5

77 55.9 44.6 66.8





#61
 1,2,3-Trichloropropane
 Concen: 1.599 ug/L
 RT: 11.249 min Scan# 31
 Delta R.T. 0.974 min
 Lab File: VV026069.D
 Acq: 09 Jun 2022 21:45

Instrument :
 MSVOA_V
 ClientSampleId :
 C0B49

Tgt Ion: 75 Resp: 8838
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.6 40.0
 110 1.9 32.0 48.0#

