

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070822\
 Data File : VW026702.D
 Acq On : 08 Jul 2022 17:34
 Operator : SY/MD
 Sample : N3601-18 50X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUB0

Quant Time: Jul 08 23:58:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 08 23:50:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.625	114	183084	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	173222	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	68080	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.323	65	53482	3.632	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.600%
7) Chloroethane-d5	1.584	69	51971	4.394	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.800%
11) 1,1-Dichloroethene-d2	2.121	63	75627	2.891	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.800%#
20) 2-Butanone-d5	3.931	46	79337	54.198	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.400%
24) Chloroform-d	4.365	84	116401	4.836	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	5.047	65	46482	5.014	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
32) Benzene-d6	5.063	84	204081	4.102	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	6.079	67	65231	4.768	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.400%
41) Toluene-d8	7.320	98	148475	3.318	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.400%#
43) trans-1,3-Dichloroprop...	7.632	79	12159	3.438	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.800%
46) 2-Hexanone-d5	8.095	63	62826	46.639	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.280%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	47278	5.282	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	55192	4.899	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.256	50	1349	0.088	ug/L	87
5) Vinyl chloride	1.326	62	1358	0.084	ug/L #	1
6) Bromomethane	1.535	94	1283	0.146	ug/L	96
8) Chloroethane	1.433	64	21778	1.973	ug/L #	56
14) Carbon disulfide	2.310	76	2270	0.070	ug/L #	95
16) Methylene chloride	2.523	84	8582	0.654	ug/L	92
18) trans-1,2-Dichloroethene	2.783	96	1151	0.091	ug/L #	68
22) cis-1,2-Dichloroethene	3.931	96	7229	0.577	ug/L	89
35) Methylcyclohexane	6.075	83	16818	0.855	ug/L #	20
37) 1,2-Dichloropropane	6.079	63	7044	0.578	ug/L #	84
39) cis-1,3-Dichloropropene	7.001	75	979	0.080	ug/L	85
47) Tetrachloroethene	7.979	164	1158	0.109	ug/L	96
49) Dibromochloromethane	7.982	129	1120	0.144	ug/L #	11
61) 1,2,3-Trichloropropane	11.246	75	7613	1.727	ug/L #	65
68) 1,2-Dibromo-3-chloropr...	12.648	75	224	0.283	ug/L #	1
69) 1,3,5-Trichlorobenzene	12.648	180	1379	0.094	ug/L	89
70) 1,2,4-trichlorobenzene	13.265	180	1331	0.128	ug/L	95
71) Naphthalene	13.506	128	4563	0.337	ug/L #	93
72) 1,2,3-Trichlorobenzene	13.747	180	1564	0.184	ug/L	94

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jul 08 23:50:05 2022
Response via : Initial Calibration

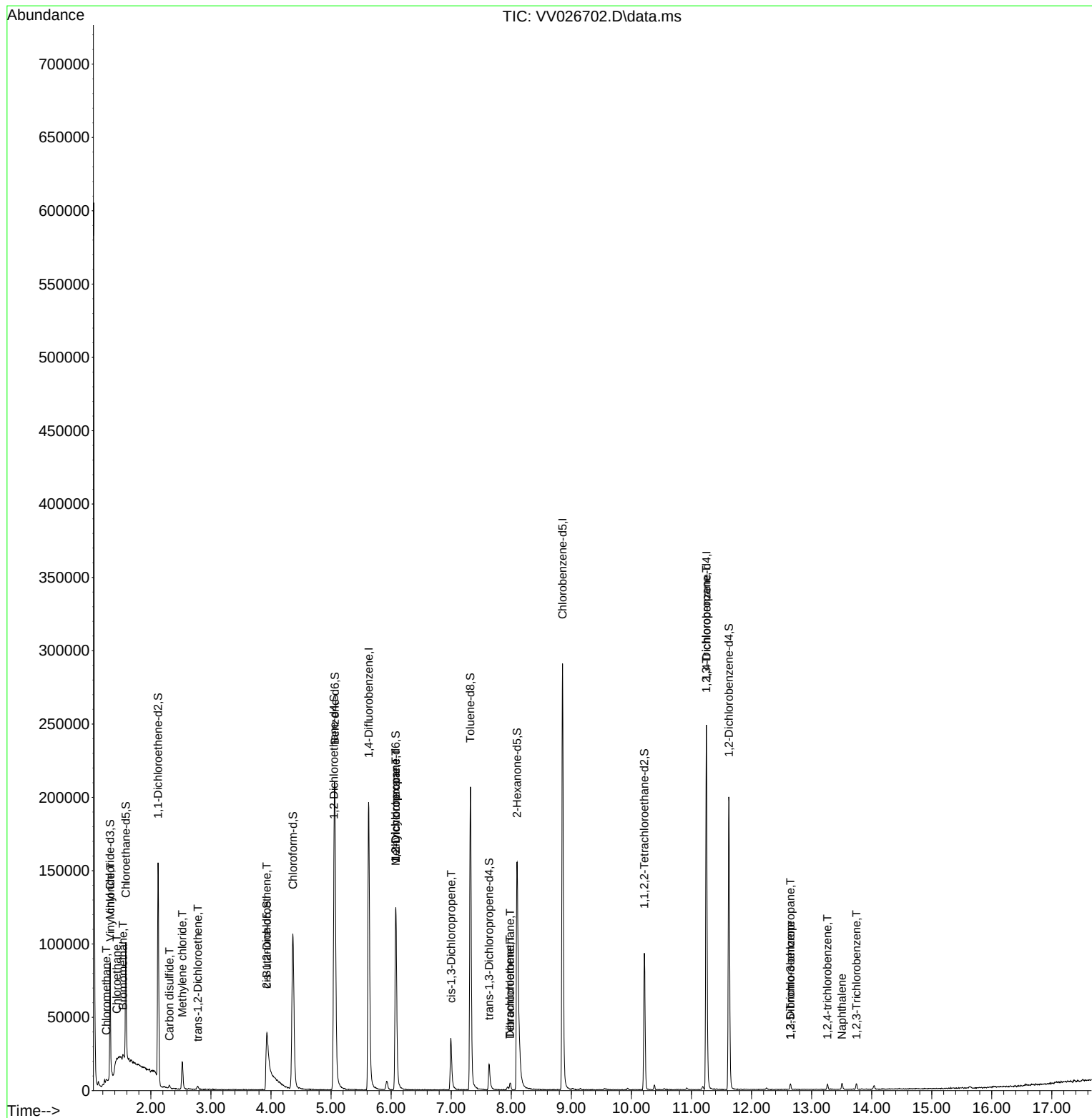
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

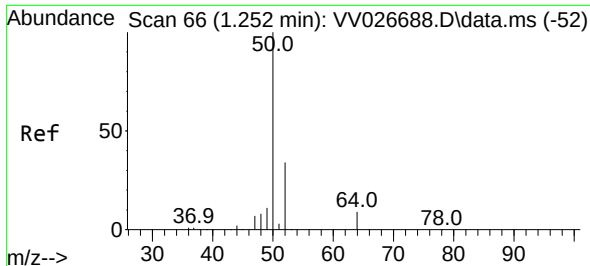
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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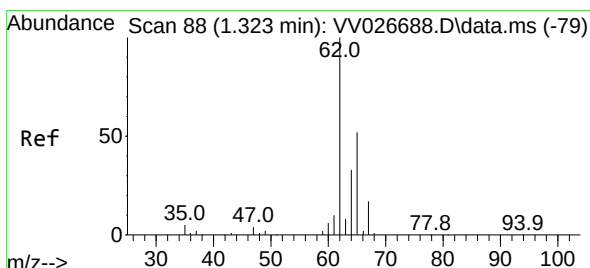
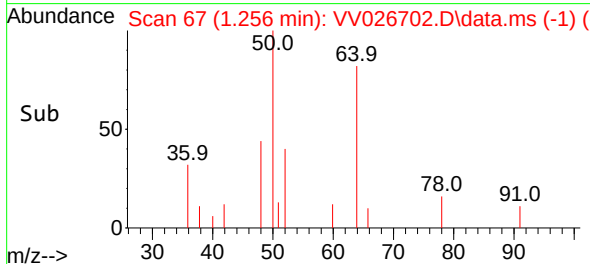
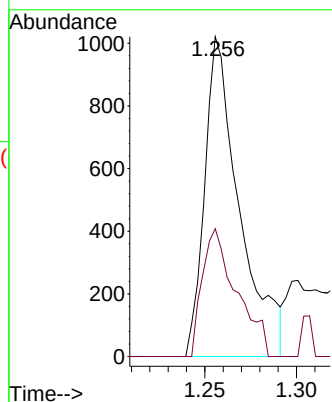
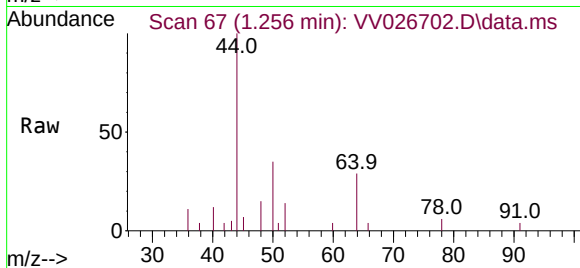




#3
Chloromethane
Concen: 0.088 ug/L
RT: 1.256 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV026702.D
Acq: 08 Jul 2022 17:34

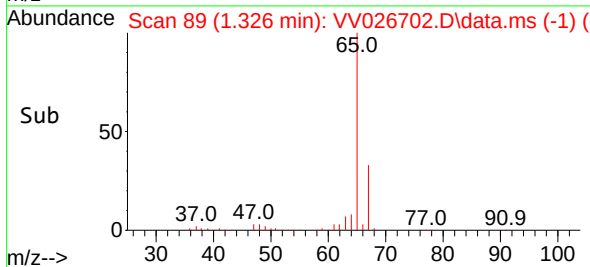
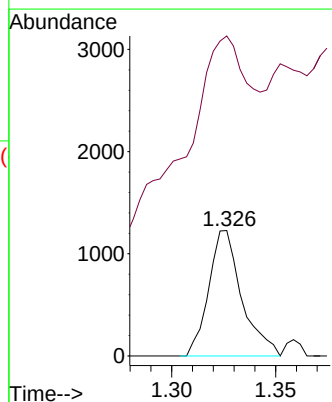
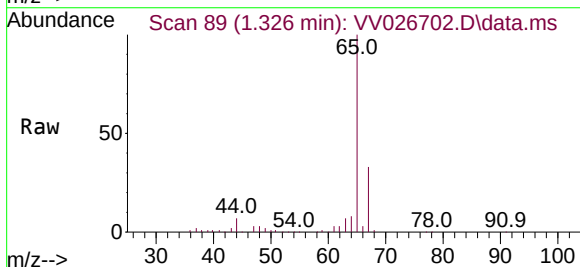
Instrument :
MSVOA_V
ClientSampleId :
DBUB0

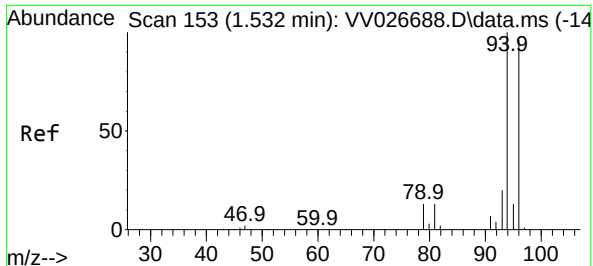
Tgt Ion: 50 Resp: 1349
Ion Ratio Lower Upper
50 100
52 40.0 23.0 42.6



#5
Vinyl chloride
Concen: 0.084 ug/L
RT: 1.326 min Scan# 89
Delta R.T. 0.003 min
Lab File: VV026702.D
Acq: 08 Jul 2022 17:34

Tgt Ion: 62 Resp: 1358
Ion Ratio Lower Upper
62 100
64 255.3 26.2 48.6#

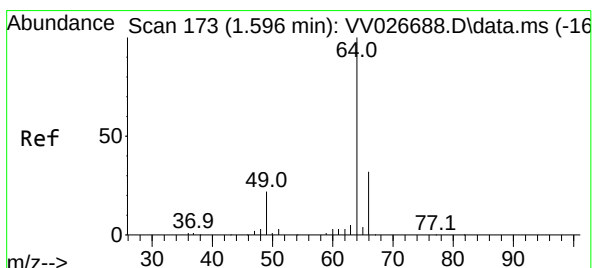
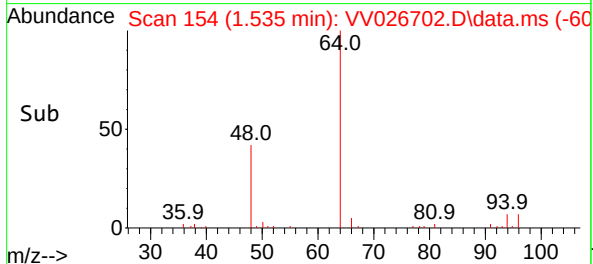
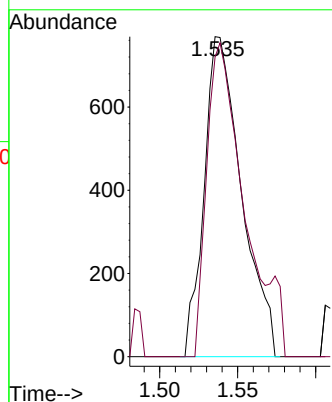
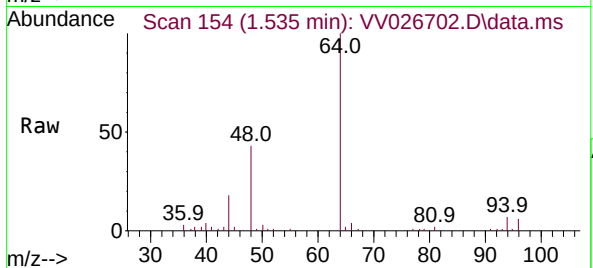




#6
Bromomethane
Concen: 0.146 ug/L
RT: 1.535 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV026702.D
Acq: 08 Jul 2022 17:34

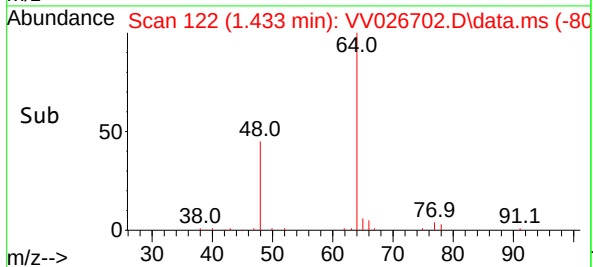
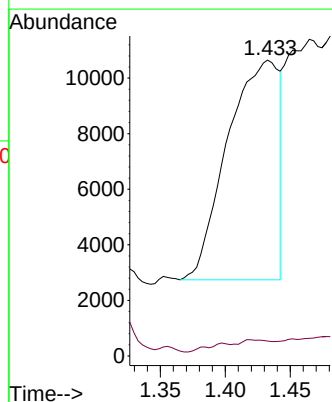
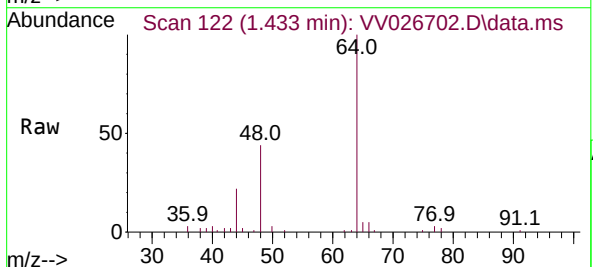
Instrument :
MSVOA_V
ClientSampleId :
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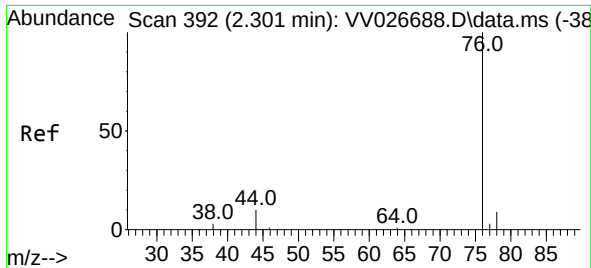
Tgt Ion: 94 Resp: 1283
Ion Ratio Lower Upper
94 100
96 93.6 68.0 126.2



#8
Chloroethane
Concen: 1.973 ug/L
RT: 1.433 min Scan# 122
Delta R.T. -0.164 min
Lab File: VV026702.D
Acq: 08 Jul 2022 17:34

Tgt Ion: 64 Resp: 21778
Ion Ratio Lower Upper
64 100
66 5.0 20.0 37.2#

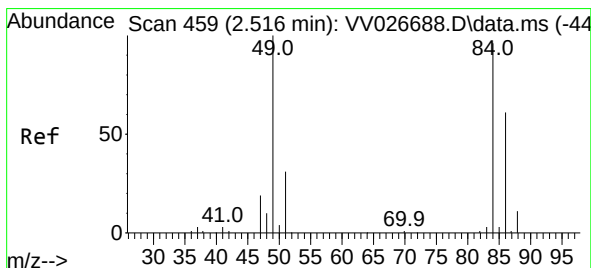
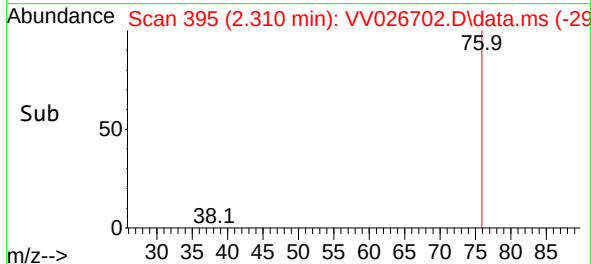
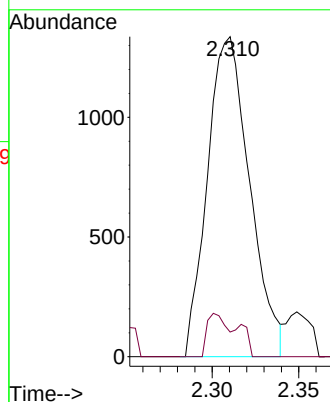
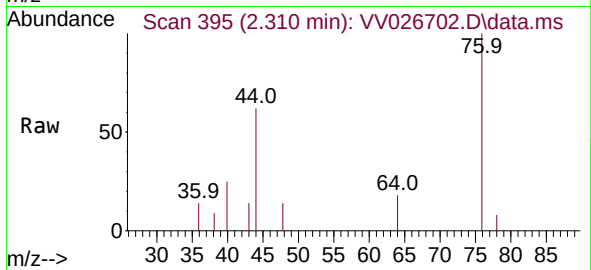




#14
Carbon disulfide
Concen: 0.070 ug/L
RT: 2.310 min Scan# 392
Delta R.T. 0.010 min
Lab File: VV026702.D
Acq: 08 Jul 2022 17:34

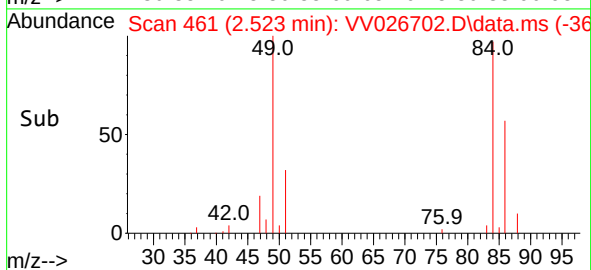
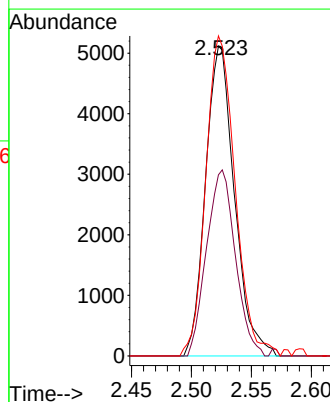
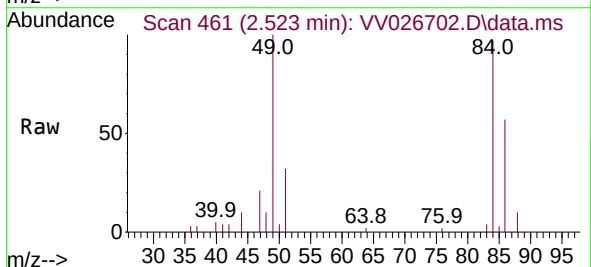
Instrument :
MSVOA_V
ClientSampleId :
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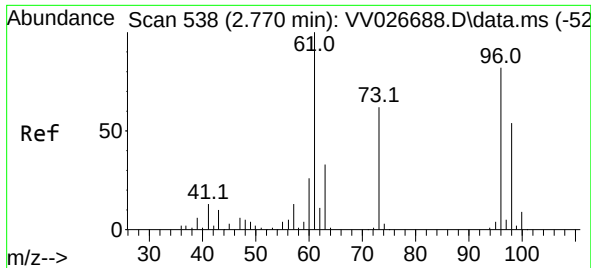
Tgt Ion: 76 Resp: 2270
Ion Ratio Lower Upper
76 100
78 7.7 7.8 11.6#



#16
Methylene chloride
Concen: 0.654 ug/L
RT: 2.523 min Scan# 461
Delta R.T. 0.006 min
Lab File: VV026702.D
Acq: 08 Jul 2022 17:34

Tgt Ion: 84 Resp: 8582
Ion Ratio Lower Upper
84 100
86 58.5 46.0 85.4
49 103.3 77.7 144.3

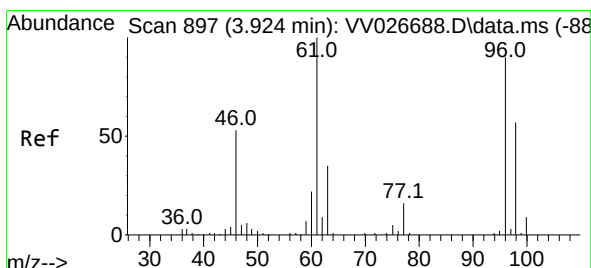
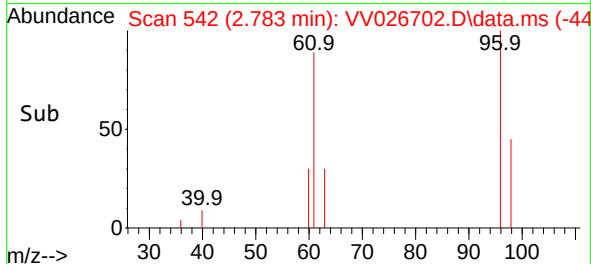
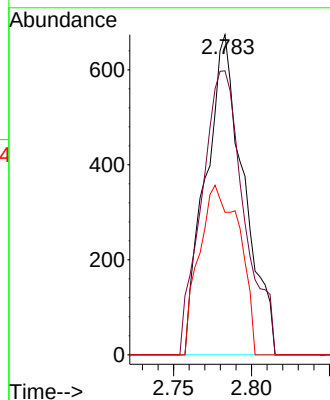
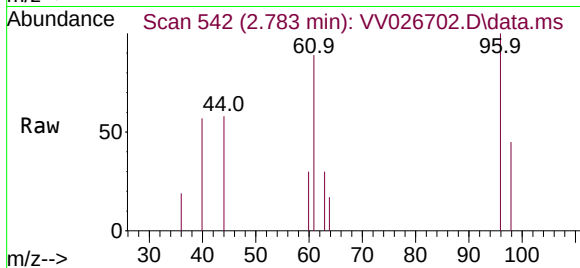




#18
 trans-1,2-Dichloroethene
 Concen: 0.091 ug/L
 RT: 2.783 min Scan# 541
 Delta R.T. 0.013 min
 Lab File: VV026702.D
 Acq: 08 Jul 2022 17:34

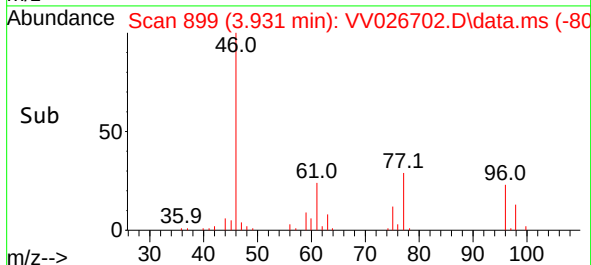
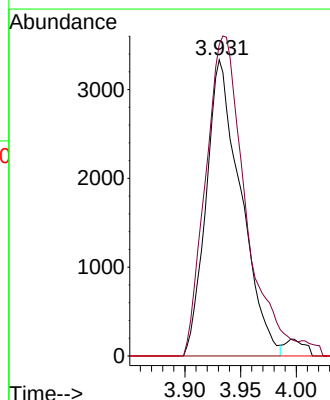
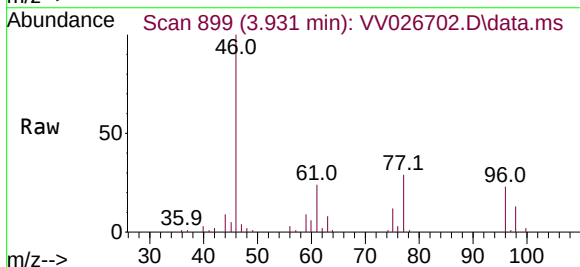
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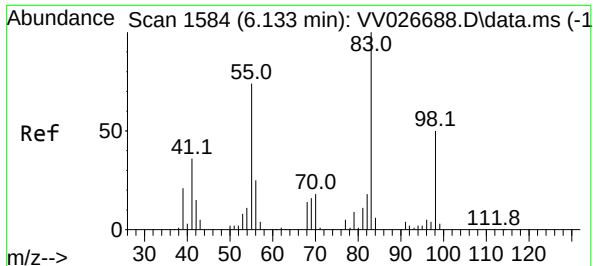
Tgt Ion: 96 Resp: 1151
 Ion Ratio Lower Upper
 96 100
 61 88.7 90.4 167.8#
 98 44.5 45.6 84.8#



#22
 cis-1,2-Dichloroethene
 Concen: 0.577 ug/L
 RT: 3.931 min Scan# 899
 Delta R.T. 0.006 min
 Lab File: VV026702.D
 Acq: 08 Jul 2022 17:34

Tgt Ion: 96 Resp: 7229
 Ion Ratio Lower Upper
 96 100
 61 105.2 82.0 152.2
 68 0.0 0.0 0.0

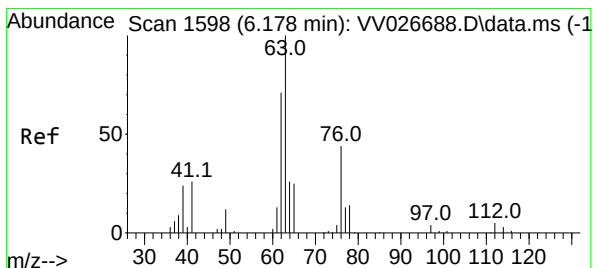
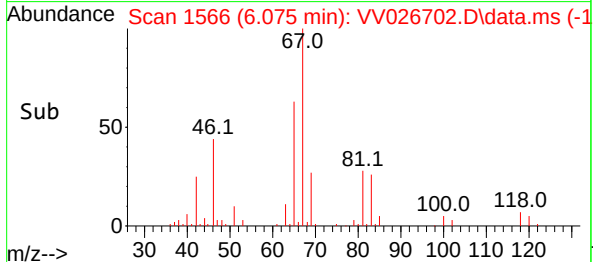
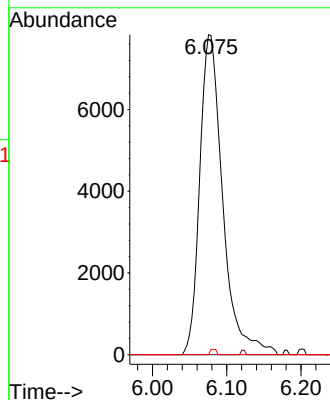
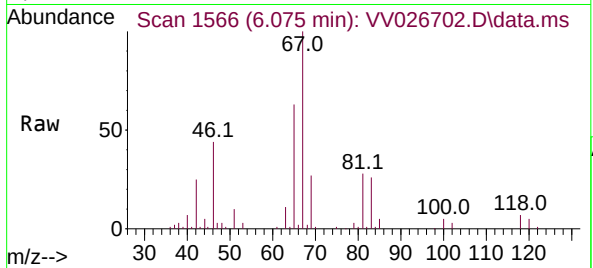




#35
Methylcyclohexane
Concen: 0.855 ug/L
RT: 6.075 min Scan# 1566
Delta R.T. -0.058 min
Lab File: VV026702.D
Acq: 08 Jul 2022 17:34

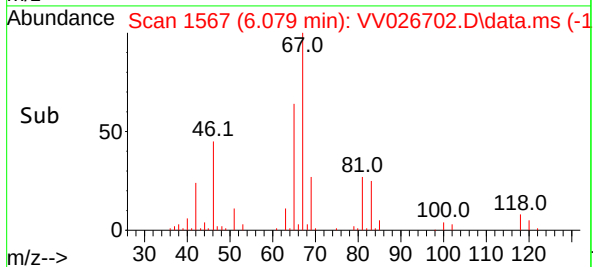
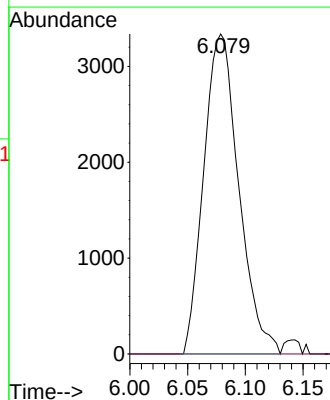
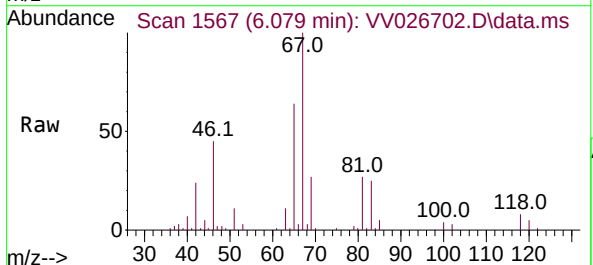
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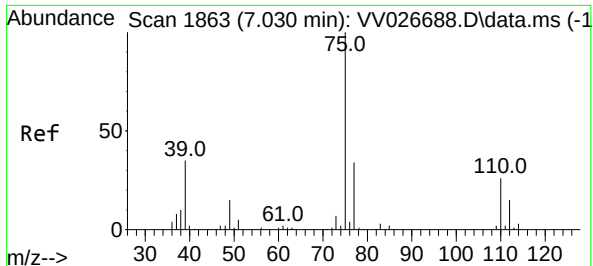
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.2	57.0	85.4#
98	0.4	39.8	59.8#



#37
1,2-Dichloropropane
Concen: 0.578 ug/L
RT: 6.079 min Scan# 1567
Delta R.T. -0.100 min
Lab File: VV026702.D
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Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.2	6.4#





#39

cis-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.001 min Scan# 11

Delta R.T. -0.029 min

Lab File: VV026702.D

Acq: 08 Jul 2022 17:34

Instrument :

MSVOA_V

ClientSampleId :

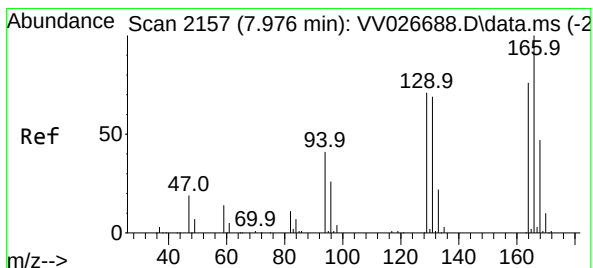
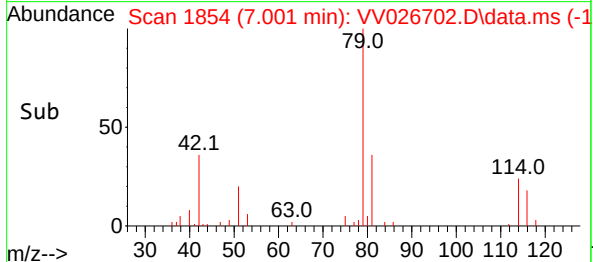
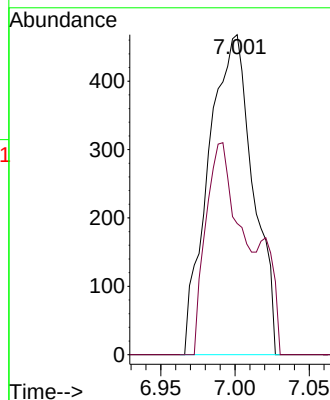
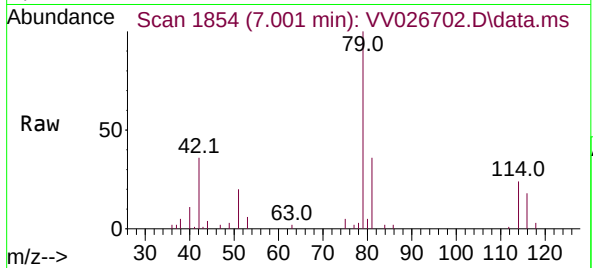
DBUB0

Tgt Ion: 75 Resp: 979

Ion Ratio Lower Upper

75 100

77 41.0 22.8 42.4



#47

Tetrachloroethene

Concen: 0.109 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.003 min

Lab File: VV026702.D

Acq: 08 Jul 2022 17:34

Tgt Ion: 164 Resp: 1158

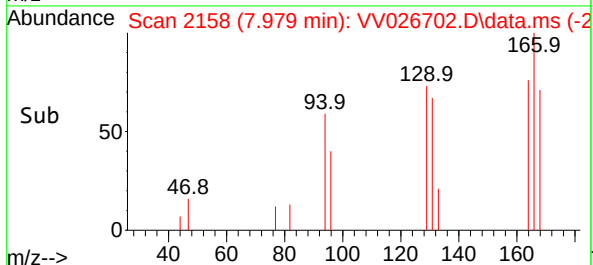
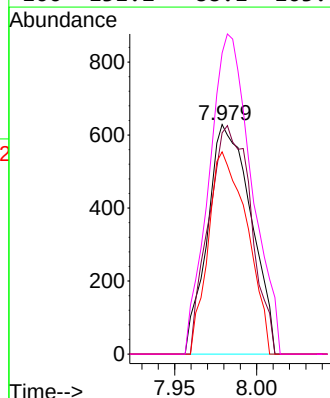
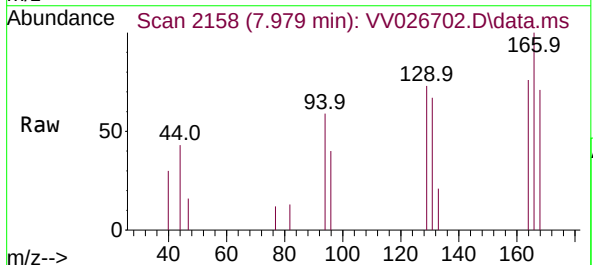
Ion Ratio Lower Upper

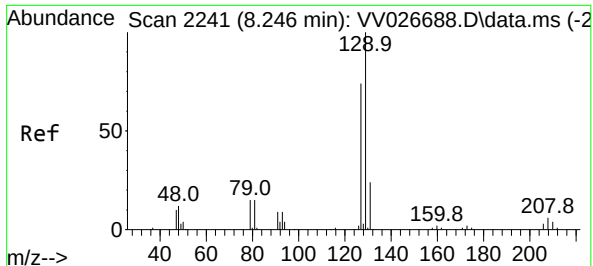
164 100

129 96.3 66.4 123.2

131 88.1 64.4 119.6

166 131.2 88.1 163.7





#49

Dibromochloromethane

Concen: 0.144 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. -0.264 min

Lab File: VV026702.D

Acq: 08 Jul 2022 17:34

Instrument :

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ClientSampleId :

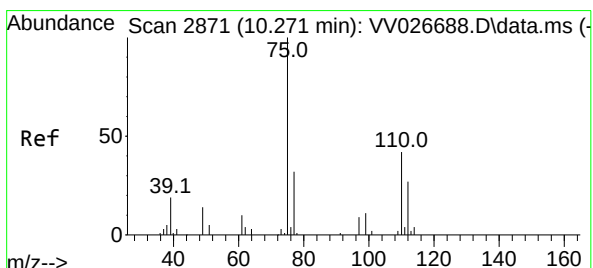
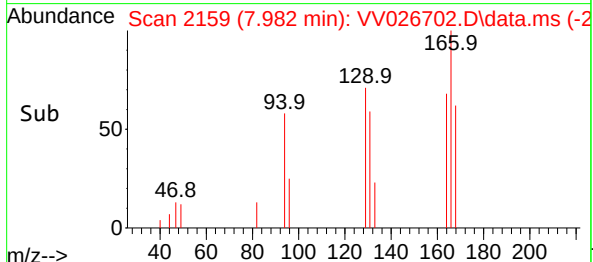
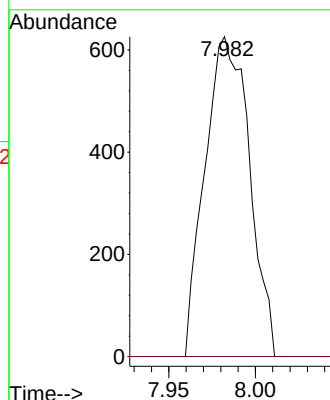
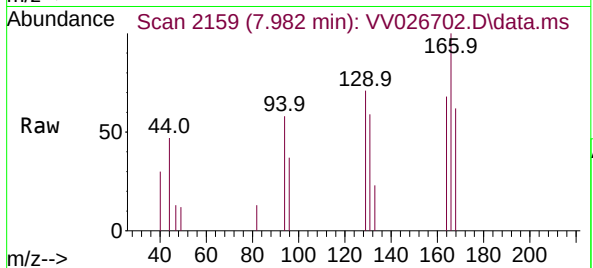
DBUB0

Tgt Ion:129 Resp: 1120

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#61

1,2,3-Trichloropropane

Concen: 1.727 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV026702.D

Acq: 08 Jul 2022 17:34

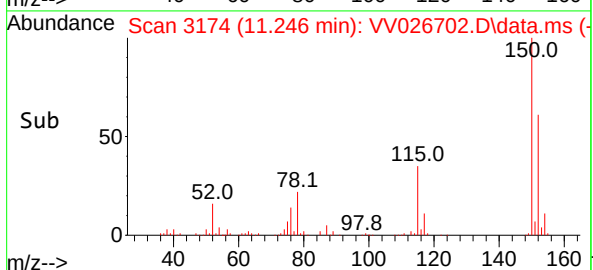
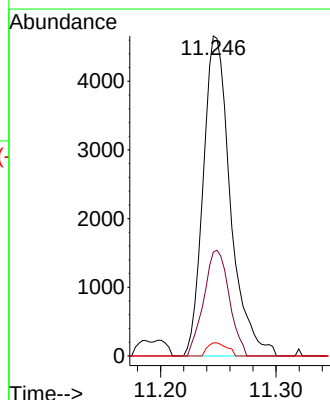
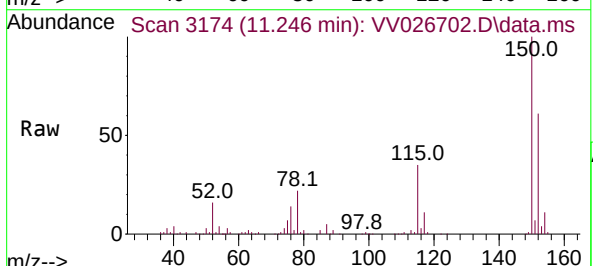
Tgt Ion: 75 Resp: 7613

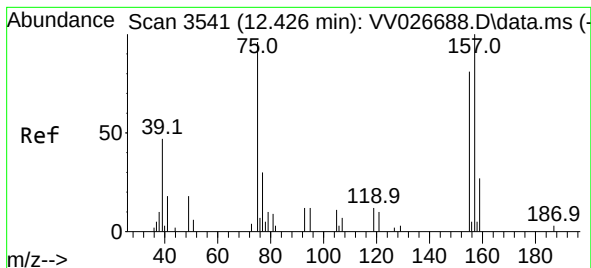
Ion Ratio Lower Upper

75 100

77 30.8 25.8 38.6

110 3.0 32.5 48.7#

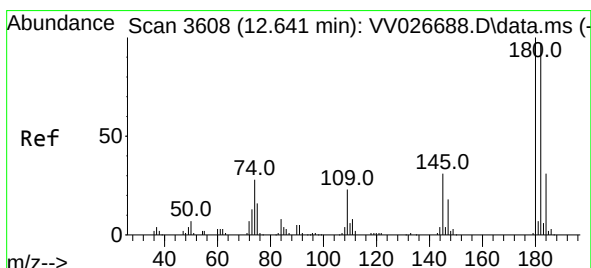
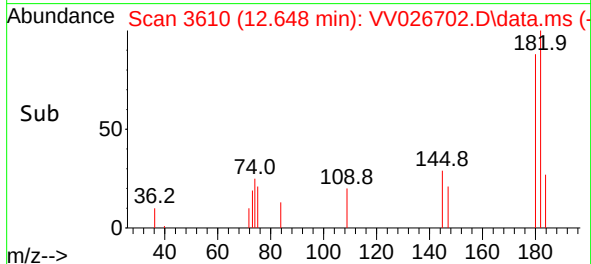
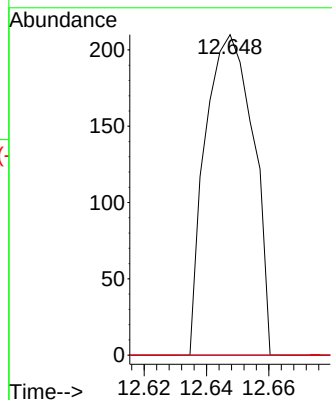
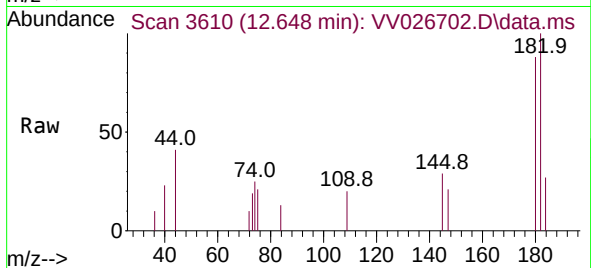




#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.283 ug/L
 RT: 12.648 min Scan# 3610
 Delta R.T. 0.222 min
 Lab File: VV026702.D
 Acq: 08 Jul 2022 17:34

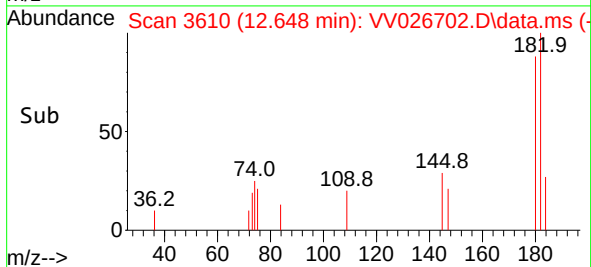
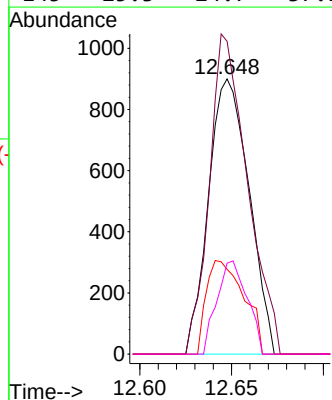
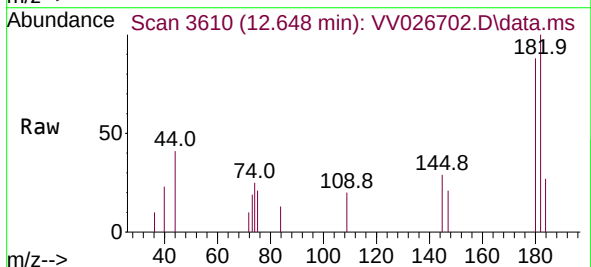
Instrument :
 MSVOA_V
 ClientSampleId :
 DBUB0

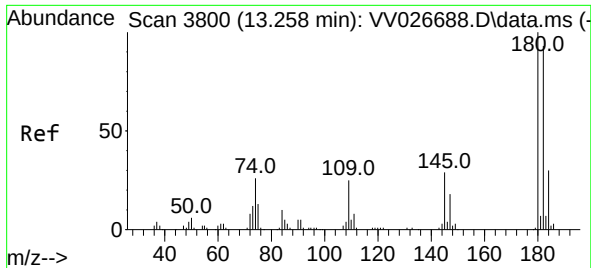
Tgt Ion: 75 Resp: 224
 Ion Ratio Lower Upper
 75 100
 155 0.0 74.7 112.1#
 157 0.0 96.9 145.3#



#69
 1,3,5-Trichlorobenzene
 Concen: 0.094 ug/L
 RT: 12.648 min Scan# 3610
 Delta R.T. 0.006 min
 Lab File: VV026702.D
 Acq: 08 Jul 2022 17:34

Tgt Ion: 180 Resp: 1379
 Ion Ratio Lower Upper
 180 100
 182 109.1 76.6 115.0
 184 31.6 24.1 36.1
 145 25.3 24.7 37.1

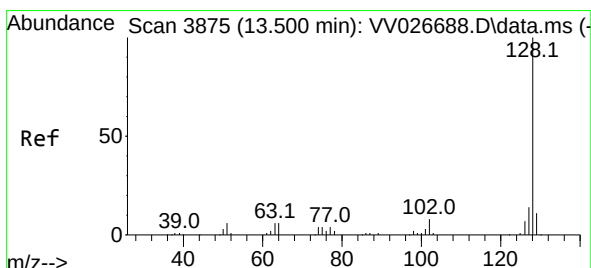
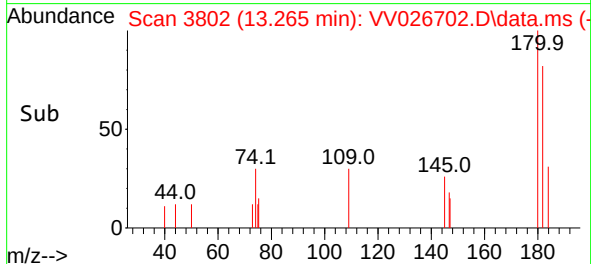
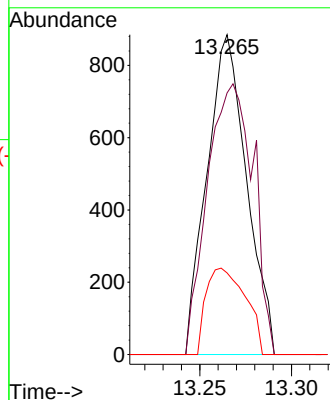
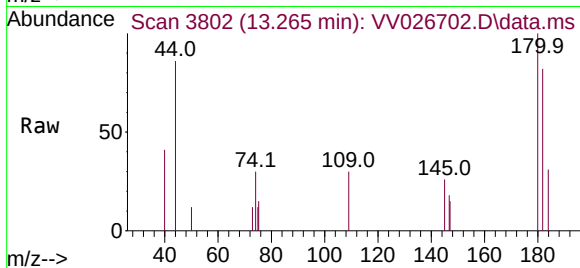




#70
1,2,4-trichlorobenzene
Concen: 0.128 ug/L
RT: 13.265 min Scan# 3802
Delta R.T. 0.006 min
Lab File: VV026702.D
Acq: 08 Jul 2022 17:34

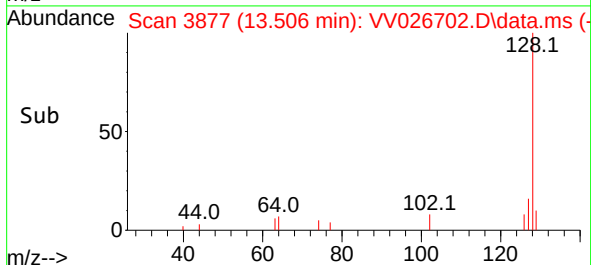
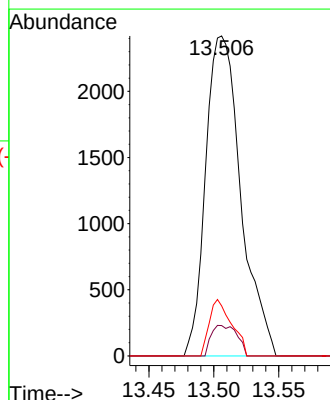
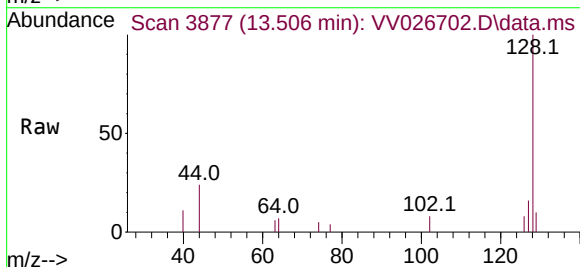
Instrument :
MSVOA_V
ClientSampleId :
DBUB0

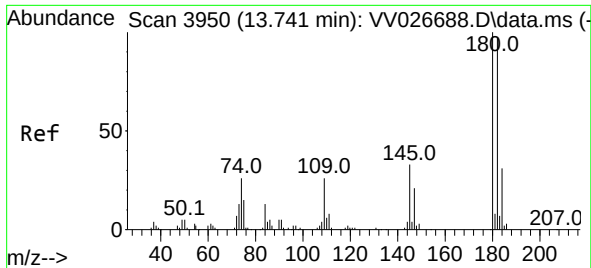
Tgt Ion:180 Resp: 1331
Ion Ratio Lower Upper
180 100
182 98.0 75.2 112.8
145 26.8 24.4 36.6



#71
Naphthalene
Concen: 0.337 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.006 min
Lab File: VV026702.D
Acq: 08 Jul 2022 17:34

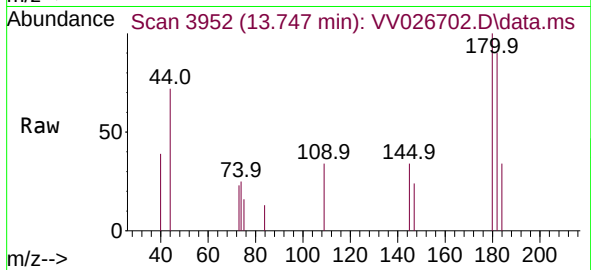
Tgt Ion:128 Resp: 4563
Ion Ratio Lower Upper
128 100
129 7.0 8.6 12.8#
127 11.2 10.2 15.4





#72
 1,2,3-Trichlorobenzene
 Concen: 0.184 ug/L
 RT: 13.747 min Scan# 3952
 Delta R.T. 0.006 min
 Lab File: VV026702.D
 Acq: 08 Jul 2022 17:34

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUB0



Tgt Ion:	180	Resp:	1564
Ion	Ratio	Lower	Upper
180	100		
182	88.6	76.8	115.2
145	31.9	25.8	38.6

