

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061722\
 Data File : VW026391.D
 Acq On : 17 Jun 2022 19:40
 Operator : SY/MD
 Sample : N3318-14
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 18 01:17:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 18 01:02:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.625	114	176935	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	172604	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	71907	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.323	65	47640	3.100	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.000%
7) Chloroethane-d5	1.584	69	44948	3.720	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.400%
11) 1,1-Dichloroethene-d2	2.124	63	90513	3.430	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.600%
20) 2-Butanone-d5	3.924	46	81694	54.479	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.960%
24) Chloroform-d	4.362	84	103000	4.573	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
26) 1,2-Dichloroethane-d4	5.047	65	43051	4.518	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	5.059	84	183946	3.986	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.800%
36) 1,2-Dichloropropane-d6	6.075	67	62203	4.619	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.400%
41) Toluene-d8	7.320	98	143129	3.402	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.000%#
43) trans-1,3-Dichloroprop...	7.632	79	11469	2.626	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	52.600%#
46) 2-Hexanone-d5	8.095	63	63967	48.489	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.980%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	42760	5.154	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	51833	4.680	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.262	50	775	0.053	ug/L	93
6) Bromomethane	1.539	94	503	0.059	ug/L	73
8) Chloroethane	1.571	64	14806	1.562	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-...	2.134	101	4361	0.357	ug/L	93
12) 1,1-Dichloroethene	2.134	96	37488	3.354	ug/L	91
17) Methyl tert-butyl Ether	2.789	73	37502	1.951	ug/L	97
18) trans-1,2-Dichloroethene	2.780	96	1618	0.149	ug/L	85
19) 1,1-Dichloroethane	3.207	63	113115	5.471	ug/L	99
22) cis-1,2-Dichloroethene	3.934	96	15242	1.390	ug/L	91
25) Chloroform	4.391	83	14103	0.629	ug/L	99
27) 1,2-Dichloroethane	5.066	62	1053	0.103	ug/L #	71
29) 1,1,1-Trichloroethane	4.619	97	5860	0.307	ug/L	98
31) Carbon tetrachloride	4.622	117	643	0.040	ug/L	99
34) Trichloroethene	5.921	95	128353	10.624	ug/L	98
35) Methylcyclohexane	6.079	83	14917	0.893	ug/L #	19
37) 1,2-Dichloropropane	6.079	63	6692	0.578	ug/L #	90
39) cis-1,3-Dichloropropene	6.998	75	923	0.070	ug/L #	66
47) Tetrachloroethene	7.979	164	45617	5.098	ug/L	97
49) Dibromochloromethane	7.979	129	40903	4.862	ug/L #	10

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Misc : 25mL/MSVOA_V/WATER
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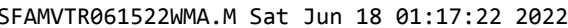
Instrument :
MSVOA_V
ClientSampleId :

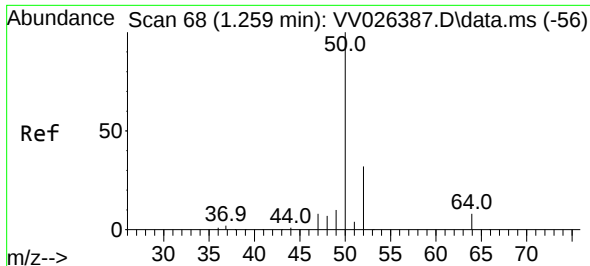
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jun 18 01:02:22 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.249	75	8155	1.748	ug/L	# 67

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

Quant Time: Jun 18 01:17:13 2022
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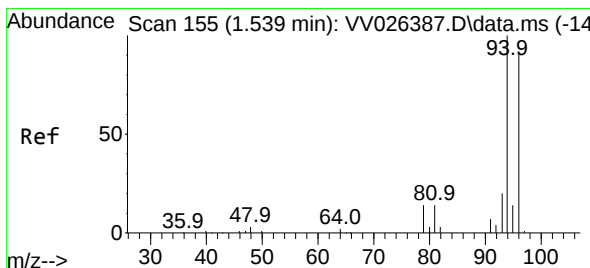
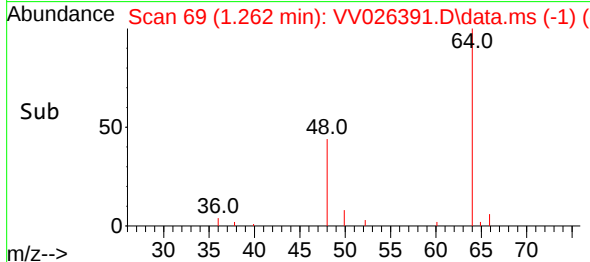
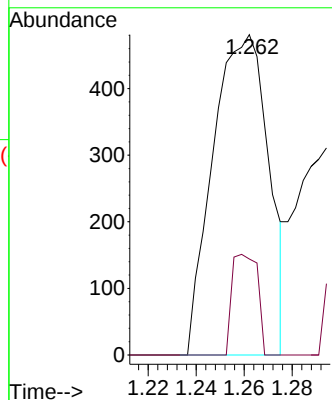
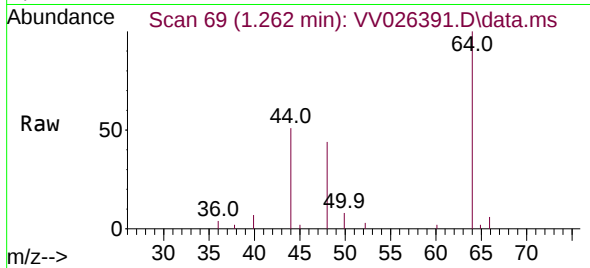




#3
Chloromethane
Concen: 0.053 ug/L
RT: 1.262 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV026391.D
Acq: 17 Jun 2022 19:40

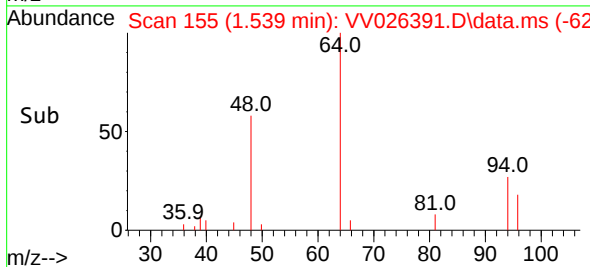
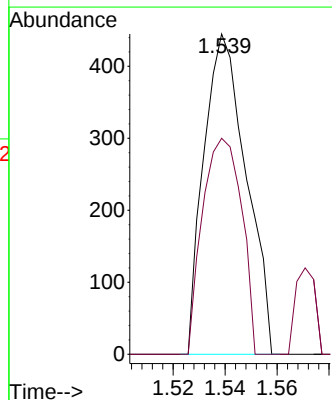
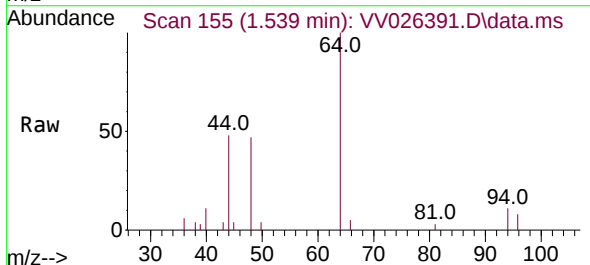
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MSVOA_V
ClientSampleId :

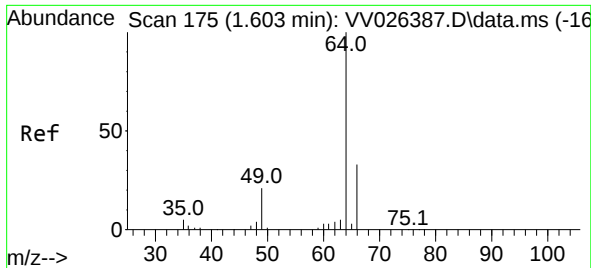
Tgt Ion: 50 Resp: 775
Ion Ratio Lower Upper
50 100
52 29.9 23.7 44.1



#6
Bromomethane
Concen: 0.059 ug/L
RT: 1.539 min Scan# 155
Delta R.T. -0.000 min
Lab File: VV026391.D
Acq: 17 Jun 2022 19:40

Tgt Ion: 94 Resp: 503
Ion Ratio Lower Upper
94 100
96 67.4 65.7 121.9

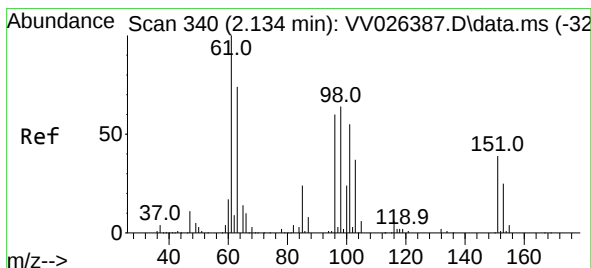
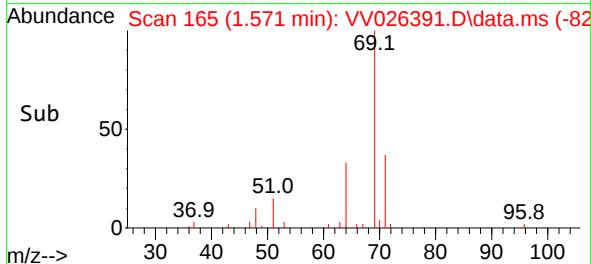
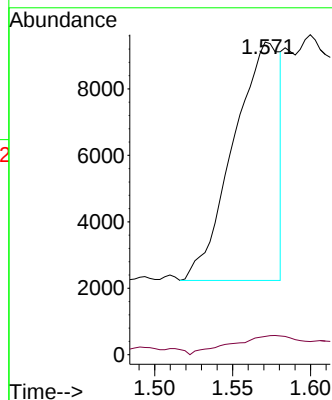
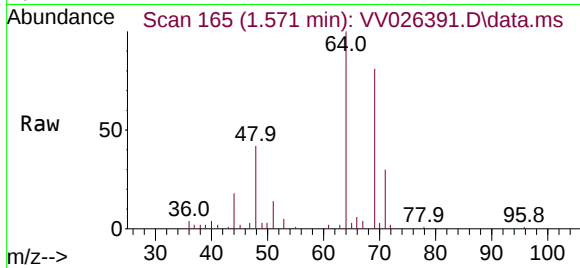




#8
Chloroethane
Concen: 1.562 ug/L
RT: 1.571 min Scan# 1
Delta R.T. -0.032 min
Lab File: VV026391.D
Acq: 17 Jun 2022 19:40

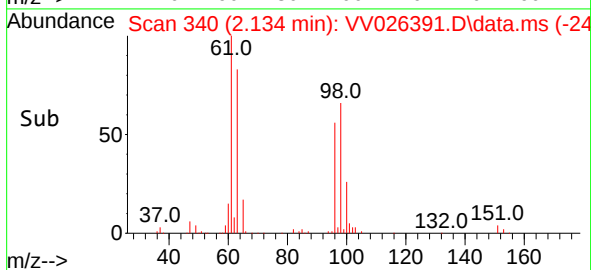
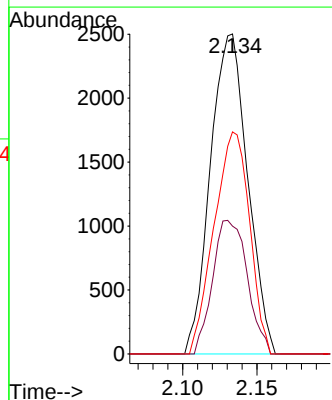
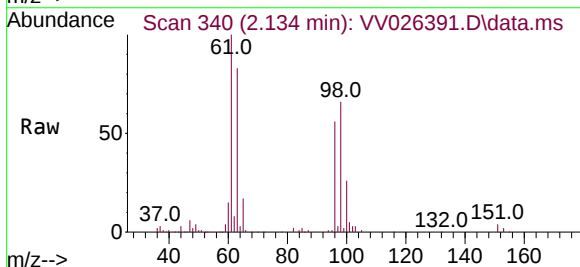
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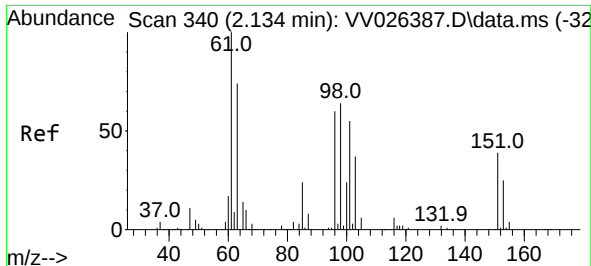
Tgt Ion: 64 Resp: 14806
Ion Ratio Lower Upper
64 100
66 5.8 24.1 44.7#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.357 ug/L
RT: 2.134 min Scan# 340
Delta R.T. -0.000 min
Lab File: VV026391.D
Acq: 17 Jun 2022 19:40

Tgt Ion:101 Resp: 4361
Ion Ratio Lower Upper
101 100
85 38.9 35.3 52.9
151 66.2 56.8 85.2

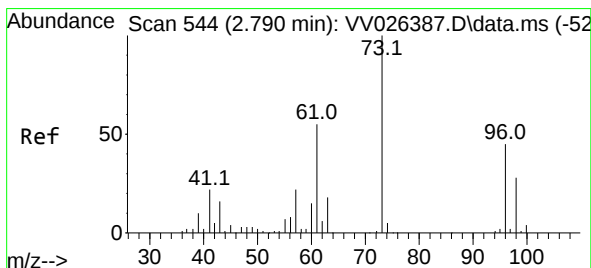
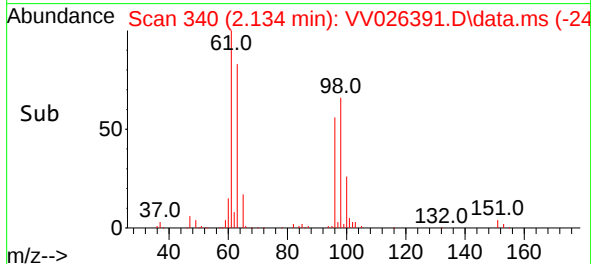
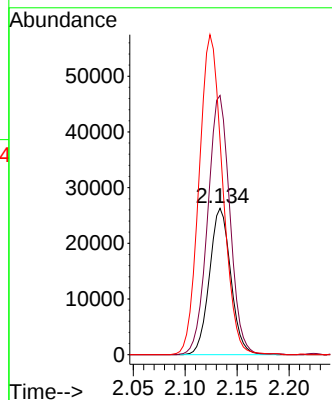
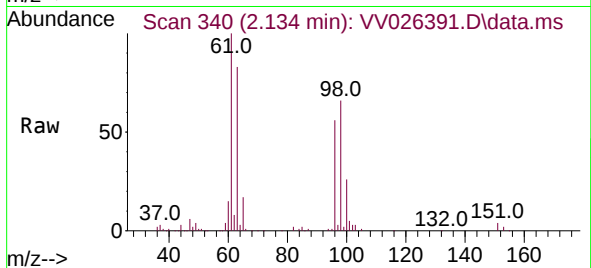




#12
1,1-Dichloroethene
Concen: 3.354 ug/L
RT: 2.134 min Scan# 340
Delta R.T. -0.000 min
Lab File: VV026391.D
Acq: 17 Jun 2022 19:40

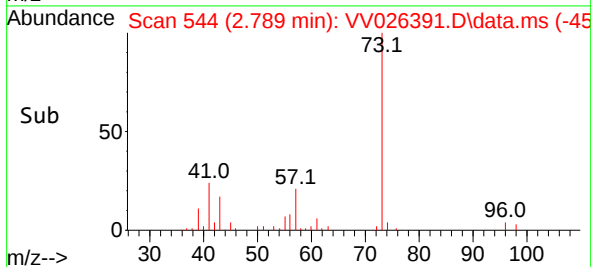
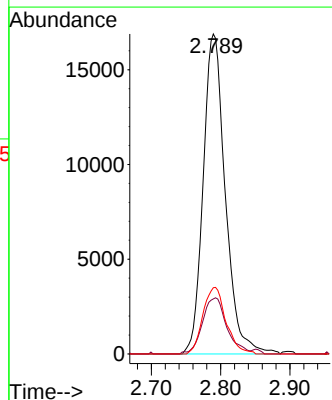
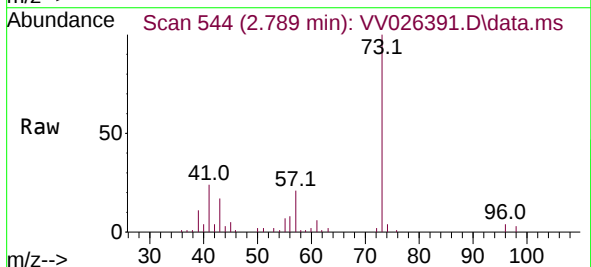
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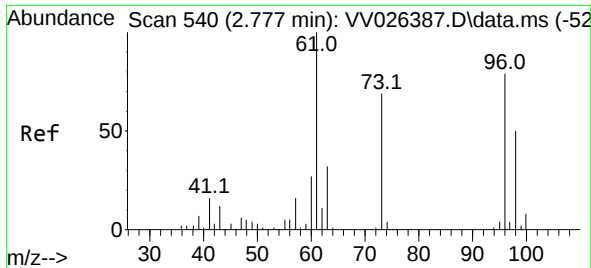
Tgt Ion: 96 Resp: 37488
Ion Ratio Lower Upper
96 100
61 177.0 117.1 217.5
63 146.4 92.8 172.4



#17
Methyl tert-butyl Ether
Concen: 1.951 ug/L
RT: 2.789 min Scan# 544
Delta R.T. -0.000 min
Lab File: VV026391.D
Acq: 17 Jun 2022 19:40

Tgt Ion: 73 Resp: 37502
Ion Ratio Lower Upper
73 100
43 19.3 13.0 19.6
57 21.6 17.6 26.4

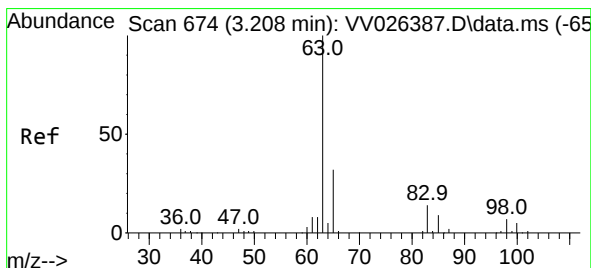
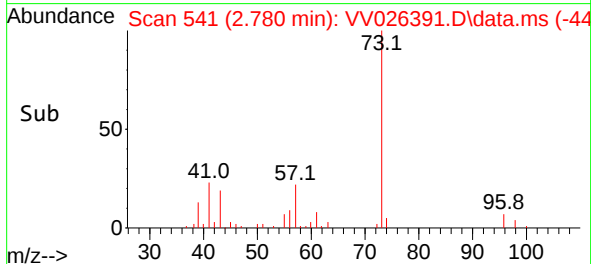
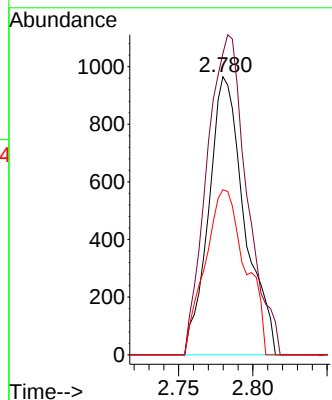
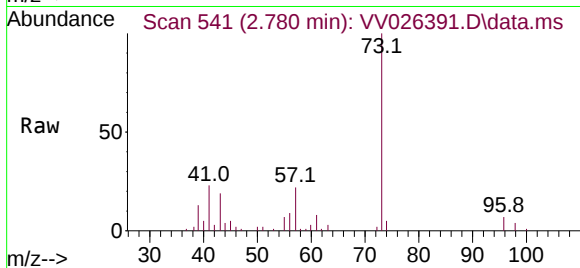




#18
trans-1,2-Dichloroethene
Concen: 0.149 ug/L
RT: 2.780 min Scan# 541
Delta R.T. 0.003 min
Lab File: VV026391.D
Acq: 17 Jun 2022 19:40

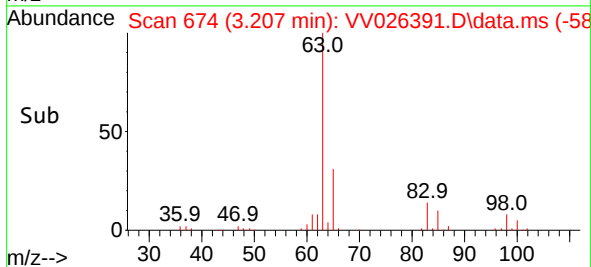
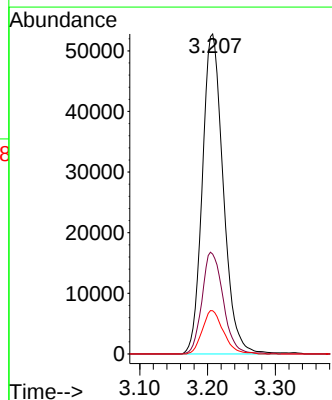
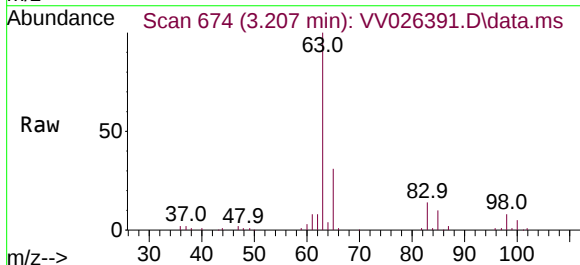
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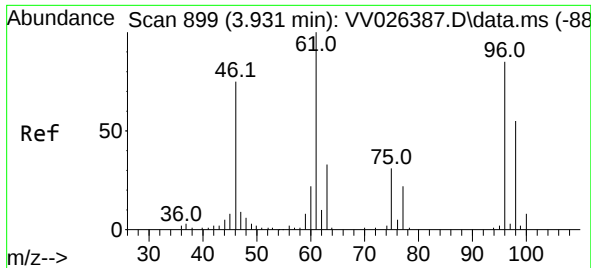
Tgt Ion: 96 Resp: 1618
Ion Ratio Lower Upper
96 100
61 108.4 91.3 169.6
98 59.4 45.3 84.1



#19
1,1-Dichloroethane
Concen: 5.471 ug/L
RT: 3.207 min Scan# 674
Delta R.T. -0.000 min
Lab File: VV026391.D
Acq: 17 Jun 2022 19:40

Tgt Ion: 63 Resp: 113115
Ion Ratio Lower Upper
63 100
65 31.2 22.3 41.3
83 13.5 8.9 16.5

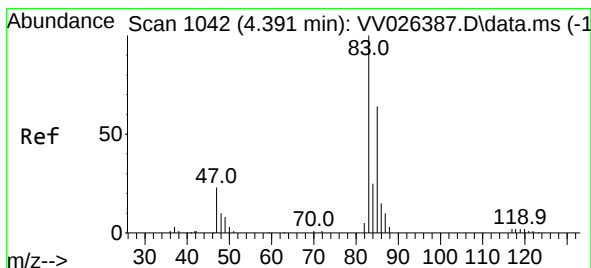
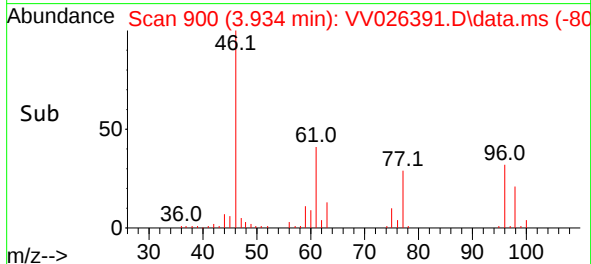
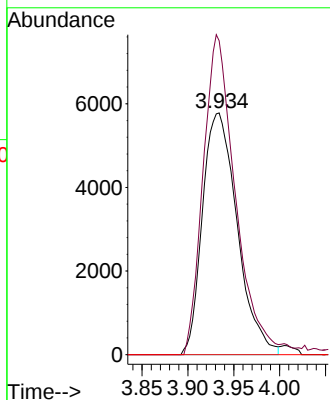
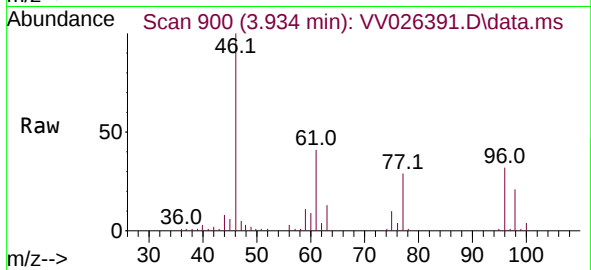




#22
 cis-1,2-Dichloroethene
 Concen: 1.390 ug/L
 RT: 3.934 min Scan# 90
 Delta R.T. 0.003 min
 Lab File: VV026391.D
 Acq: 17 Jun 2022 19:40

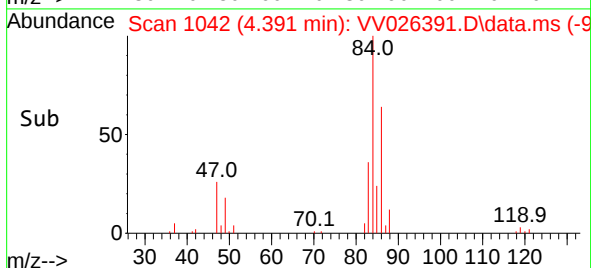
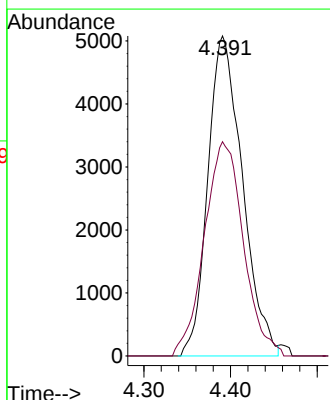
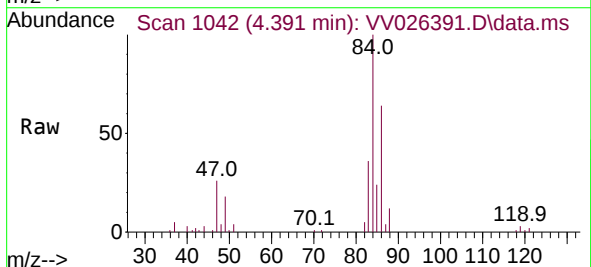
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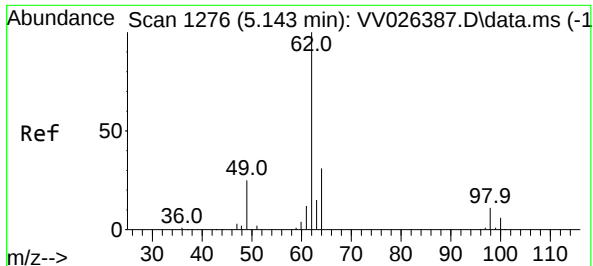
Tgt Ion: 96 Resp: 15242
 Ion Ratio Lower Upper
 96 100
 61 129.8 83.6 155.2
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.629 ug/L
 RT: 4.391 min Scan# 1042
 Delta R.T. -0.000 min
 Lab File: VV026391.D
 Acq: 17 Jun 2022 19:40

Tgt Ion: 83 Resp: 14103
 Ion Ratio Lower Upper
 83 100
 85 67.0 46.5 86.3





#27

1,2-Dichloroethane

Concen: 0.103 ug/L

RT: 5.066 min Scan# 1113

Delta R.T. -0.077 min

Lab File: VV026391.D

Acq: 17 Jun 2022 19:40

Instrument :

MSVOA_V

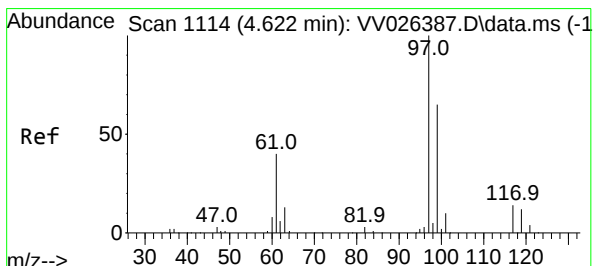
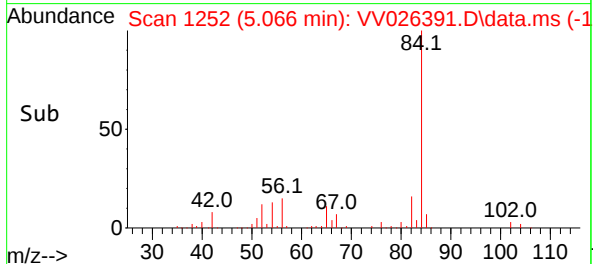
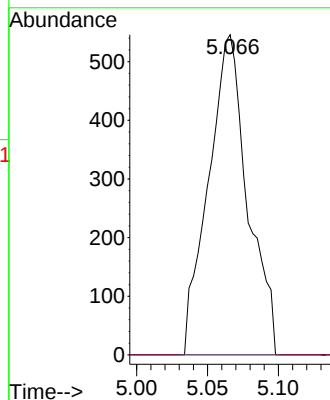
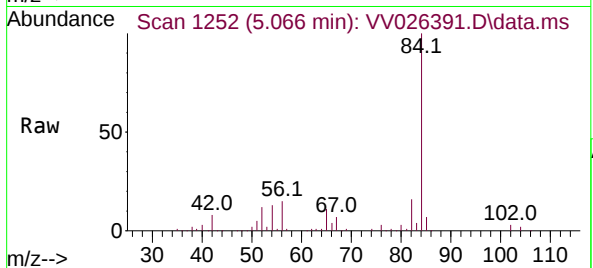
ClientSampleId :

Tgt Ion: 62 Resp: 1053

Ion Ratio Lower Upper

62 100

98 0.0 8.6 13.0#



#29

1,1,1-Trichloroethane

Concen: 0.307 ug/L

RT: 4.619 min Scan# 1113

Delta R.T. -0.003 min

Lab File: VV026391.D

Acq: 17 Jun 2022 19:40

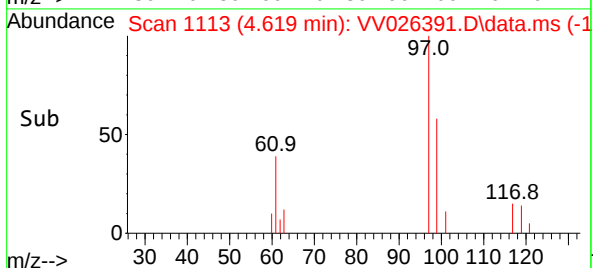
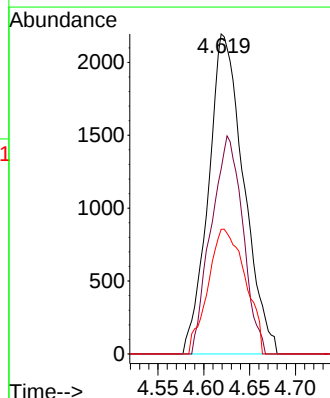
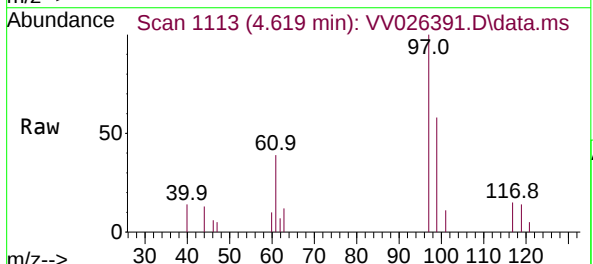
Tgt Ion: 97 Resp: 5860

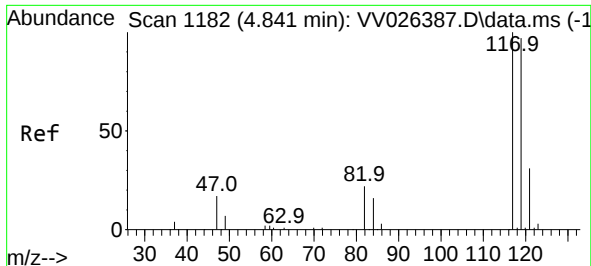
Ion Ratio Lower Upper

97 100

99 61.3 50.3 75.5

61 41.1 33.4 50.0

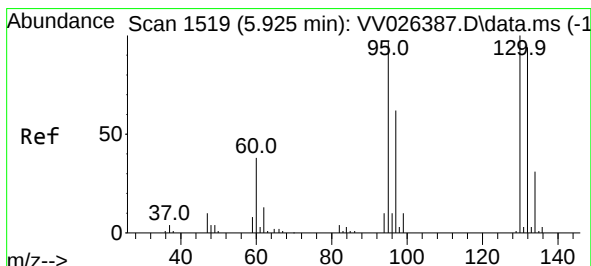
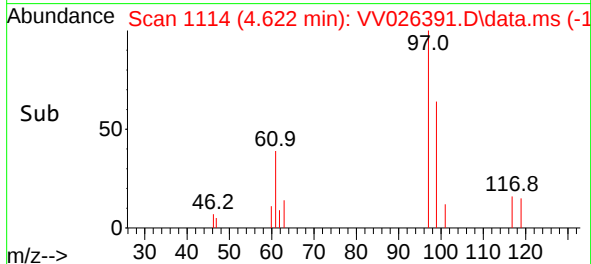
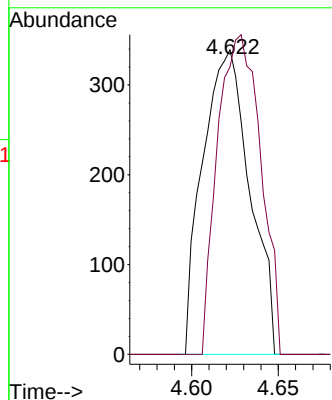
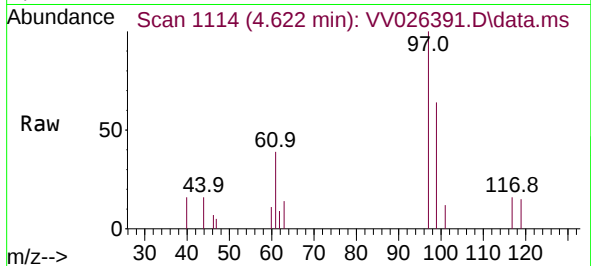




#31
Carbon tetrachloride
Concen: 0.040 ug/L
RT: 4.622 min Scan# 1114
Delta R.T. -0.219 min
Lab File: VV026391.D
Acq: 17 Jun 2022 19:40

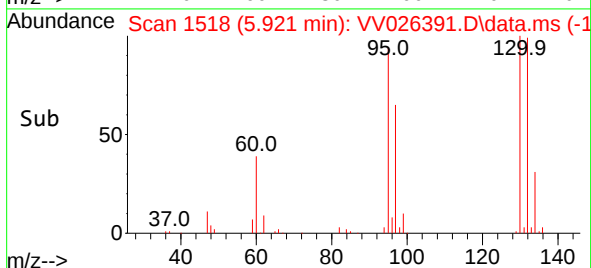
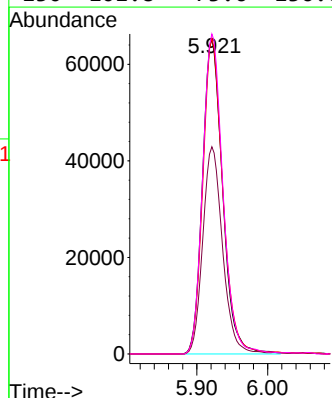
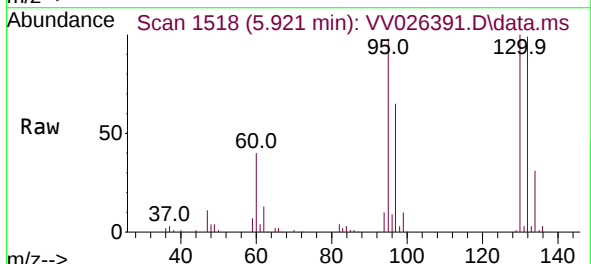
Instrument :
MSVOA_V
ClientSampleId :

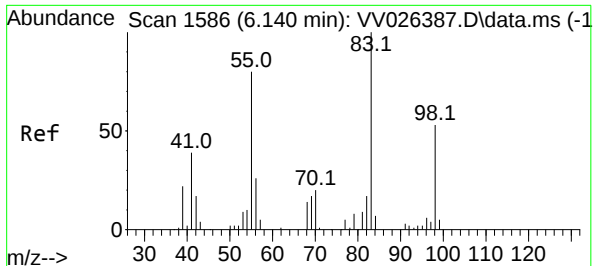
Tgt Ion:117 Resp: 643
Ion Ratio Lower Upper
117 100
119 96.0 76.2 114.4



#34
Trichloroethene
Concen: 10.624 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. -0.003 min
Lab File: VV026391.D
Acq: 17 Jun 2022 19:40

Tgt Ion: 95 Resp: 128353
Ion Ratio Lower Upper
95 100
97 66.0 46.5 86.3
132 100.5 68.8 127.8
130 101.8 73.6 136.6





#35

Methylcyclohexane

Concen: 0.893 ug/L

RT: 6.079 min Scan# 1567

Delta R.T. -0.061 min

Lab File: VV026391.D

Acq: 17 Jun 2022 19:40

Instrument :

MSVOA_V

ClientSampleId :

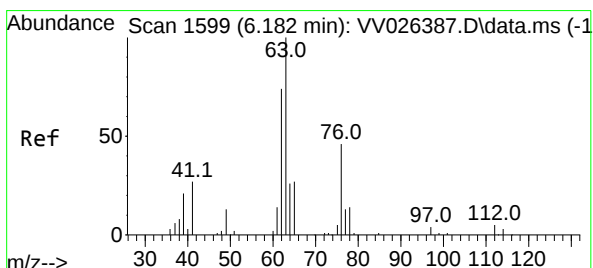
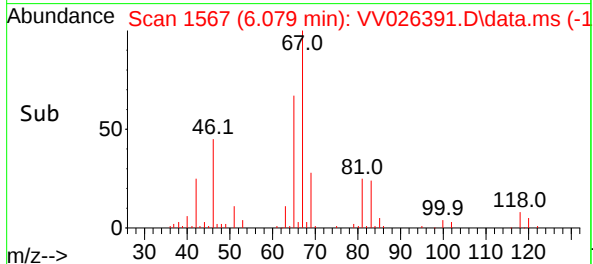
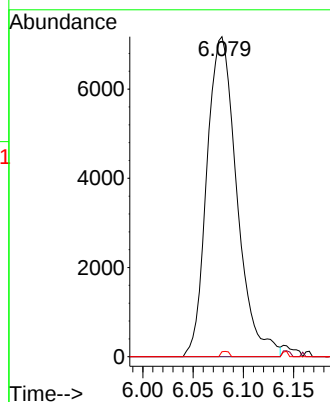
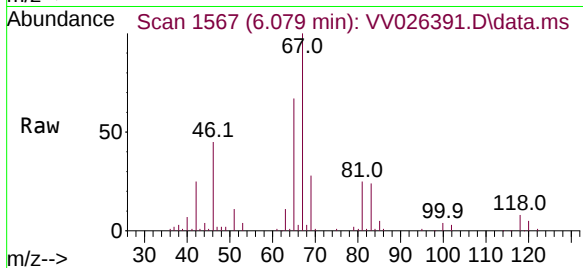
Tgt Ion: 83 Resp: 14917

Ion Ratio Lower Upper

83 100

55 0.5 59.3 88.9#

98 0.0 39.9 59.9#



#37

1,2-Dichloropropane

Concen: 0.578 ug/L

RT: 6.079 min Scan# 1567

Delta R.T. -0.103 min

Lab File: VV026391.D

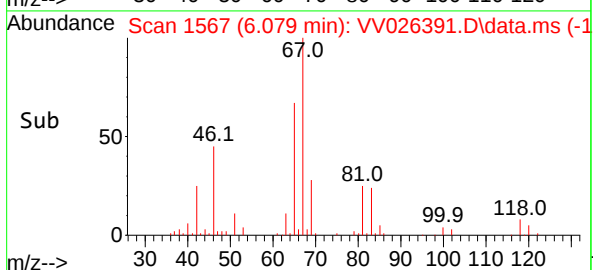
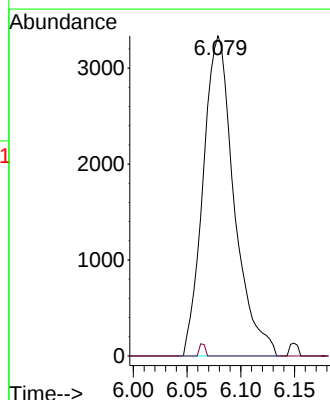
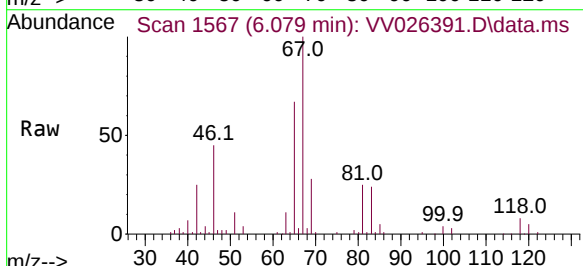
Acq: 17 Jun 2022 19:40

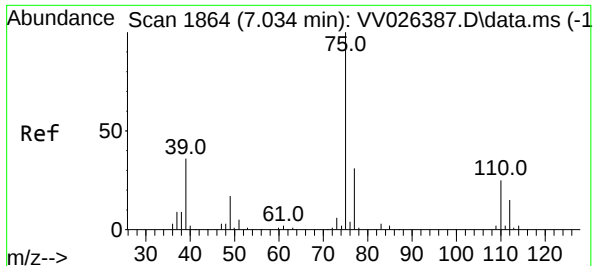
Tgt Ion: 63 Resp: 6692

Ion Ratio Lower Upper

63 100

112 0.7 3.3 4.9#





#39

cis-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 6.998 min Scan# 11

Delta R.T. -0.036 min

Lab File: VV026391.D

Acq: 17 Jun 2022 19:40

Instrument :

MSVOA_V

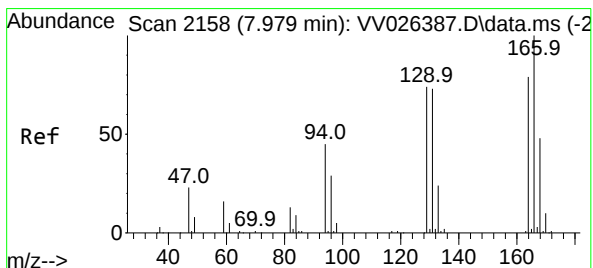
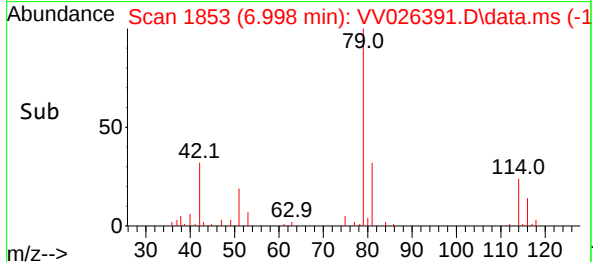
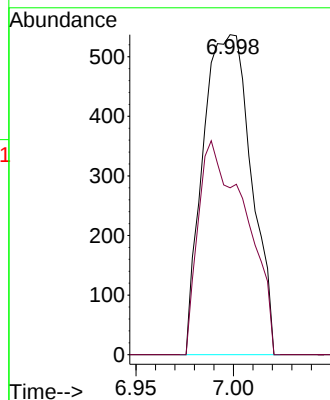
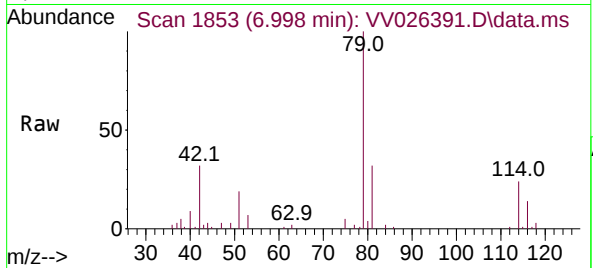
ClientSampleId :

Tgt Ion: 75 Resp: 923

Ion Ratio Lower Upper

75 100

77 52.1 23.0 42.6#



#47

Tetrachloroethene

Concen: 5.098 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.000 min

Lab File: VV026391.D

Acq: 17 Jun 2022 19:40

Tgt Ion: 164 Resp: 45617

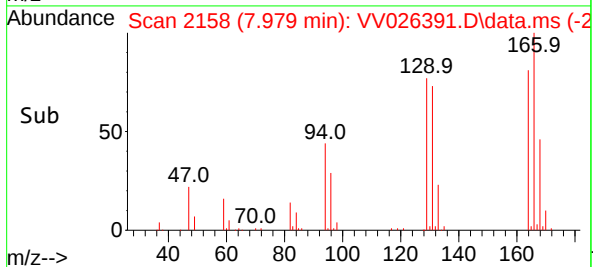
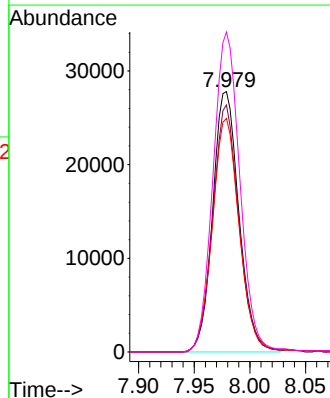
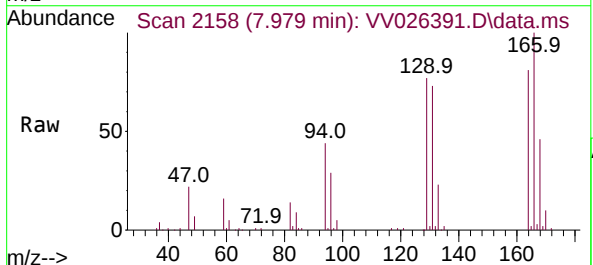
Ion Ratio Lower Upper

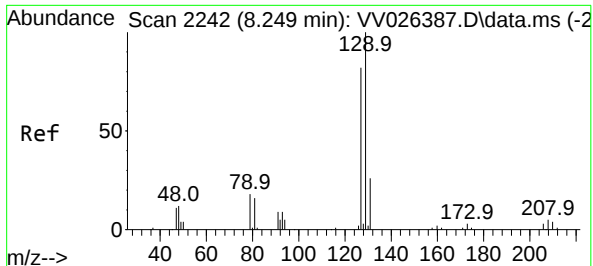
164 100

129 94.9 67.5 125.3

131 89.7 63.8 118.4

166 122.9 89.5 166.3





#49

Dibromochloromethane

Concen: 4.862 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.270 min

Lab File: VV026391.D

Acq: 17 Jun 2022 19:40

Instrument :

MSVOA_V

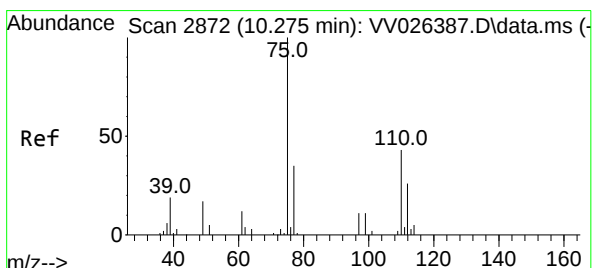
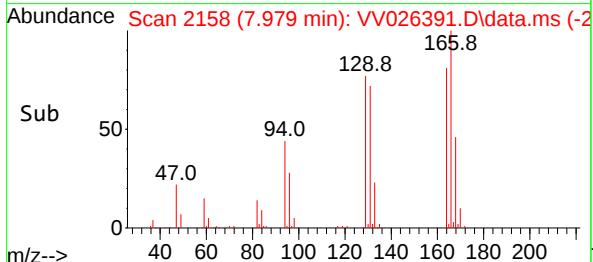
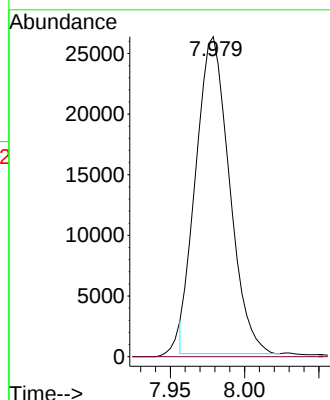
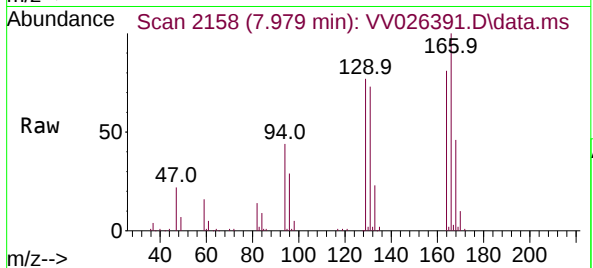
ClientSampleId :

Tgt Ion:129 Resp: 40903

Ion Ratio Lower Upper

129 100

127 0.4 56.4 104.7#



#61

1,2,3-Trichloropropane

Concen: 1.748 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV026391.D

Acq: 17 Jun 2022 19:40

Tgt Ion: 75 Resp: 8155

Ion Ratio Lower Upper

75 100

77 33.5 26.9 40.3

110 0.8 30.7 46.1#

