

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061622\
 Data File : VW026350.D
 Acq On : 16 Jun 2022 22:29
 Operator : SY/MD
 Sample : N3318-09
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGJ63

Quant Time: Jun 17 07:19:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 17 06:57:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.625	114	197322	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	189392	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	76655	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.320	65	63568	3.709	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.200%
7) Chloroethane-d5	1.581	69	55437	4.114	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	2.121	63	103348	3.511	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.200%
20) 2-Butanone-d5	3.918	46	88289	52.794	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.580%
24) Chloroform-d	4.362	84	124724	4.965	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.043	65	49627	4.670	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
32) Benzene-d6	5.059	84	227507	4.493	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	6.075	67	71514	4.839	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.800%
41) Toluene-d8	7.320	98	181302	3.927	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.600%
43) trans-1,3-Dichloroprop...	7.628	79	16886	3.524	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.400%
46) 2-Hexanone-d5	8.091	63	67567	46.677	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.360%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	45749	5.025	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	59767	5.062	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.256	50	766	0.047	ug/L	96
5) Vinyl chloride	1.323	62	19589	1.150	ug/L #	32
8) Chloroethane	1.500	64	149552	14.144	ug/L #	48
12) 1,1-Dichloroethene	2.134	96	24203	1.941	ug/L #	69
14) Carbon disulfide	2.310	76	5235	0.170	ug/L	99
17) Methyl tert-butyl Ether	2.786	73	87106	4.064	ug/L	98
19) 1,1-Dichloroethane	3.207	63	17419	0.755	ug/L	98
22) cis-1,2-Dichloroethene	3.924	96	29993	2.452	ug/L	99
25) Chloroform	4.387	83	22561	0.902	ug/L	99
27) 1,2-Dichloroethane	5.059	62	1089	0.096	ug/L #	71
29) 1,1,1-Trichloroethane	4.622	97	22318	1.067	ug/L	96
31) Carbon tetrachloride	4.622	117	2655	0.150	ug/L	93
34) Trichloroethene	5.918	95	173933	13.121	ug/L	99
35) Methylcyclohexane	6.075	83	17174	0.937	ug/L #	19
37) 1,2-Dichloropropane	6.075	63	8031	0.632	ug/L #	88
39) cis-1,3-Dichloropropene	6.995	75	1279	0.088	ug/L #	36
47) Tetrachloroethene	7.979	164	8545	0.870	ug/L	97
49) Dibromochloromethane	7.979	129	7708	0.835	ug/L #	9
52) Ethylbenzene	9.024	91	1964	0.038	ug/L #	78

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jun 17 06:57:04 2022
Response via : Initial Calibration

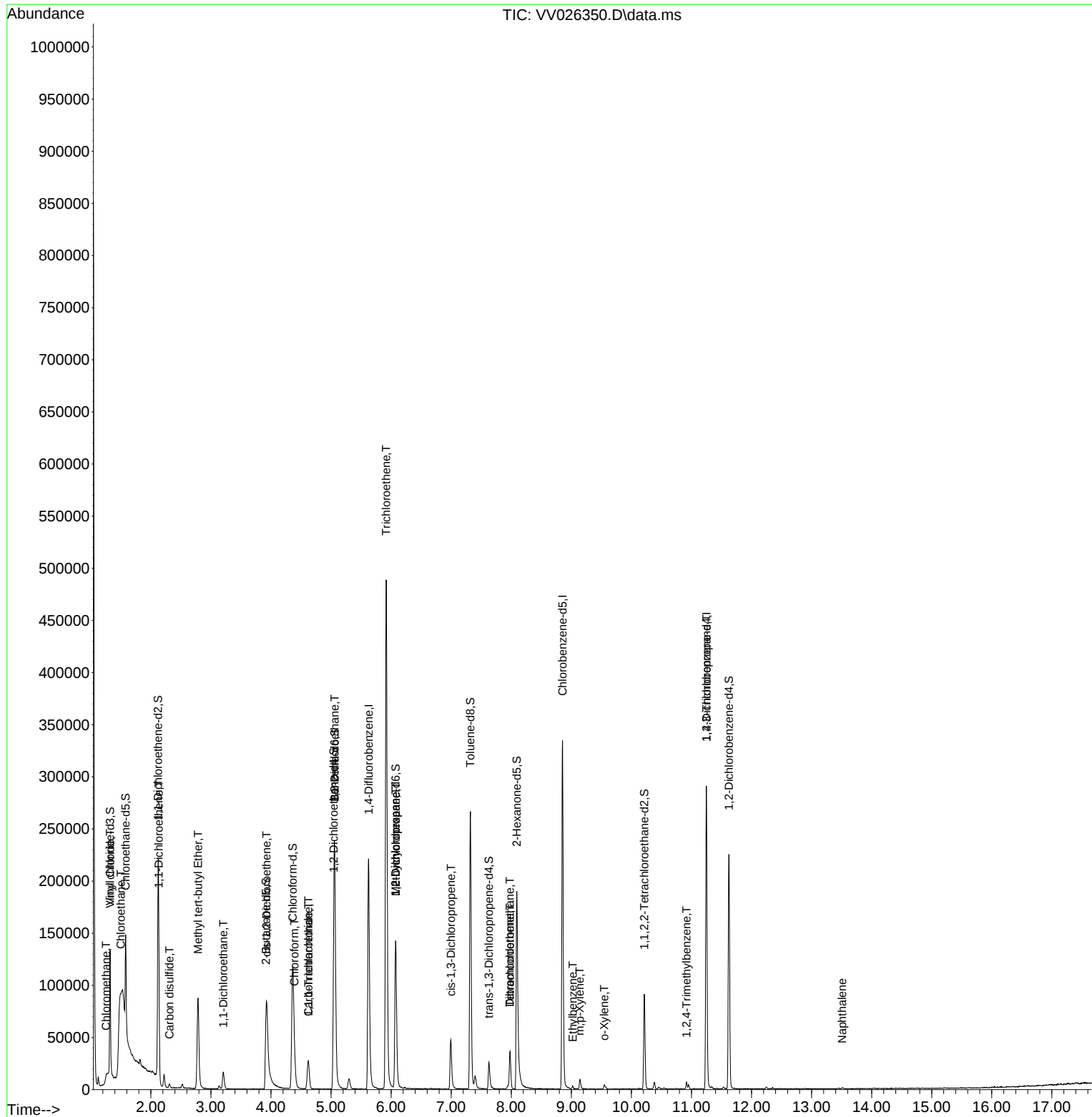
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.140	106	2760	0.138	ug/L	99
54) o-Xylene	9.548	106	1151	0.060	ug/L	82
61) 1,2,3-Trichloropropane	11.249	75	8655	1.740	ug/L #	68
63) 1,2,4-Trimethylbenzene	10.918	105	3536	0.110	ug/L	91
71) Naphthalene	13.509	128	1480	0.100	ug/L #	83

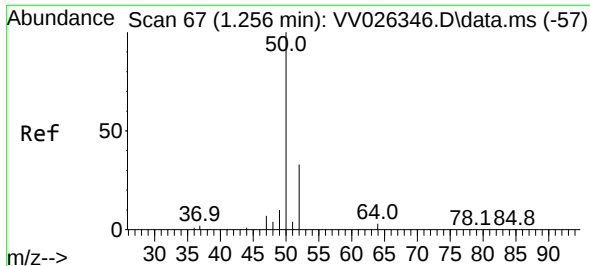
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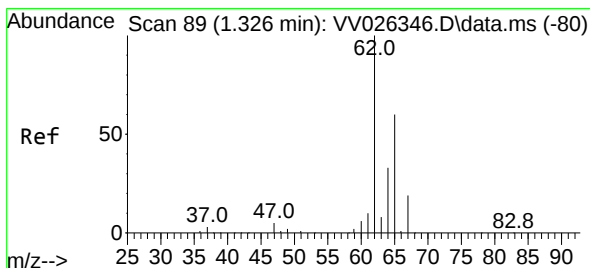
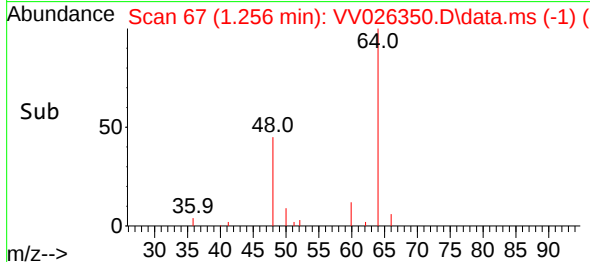
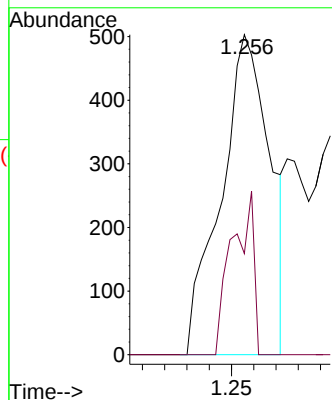
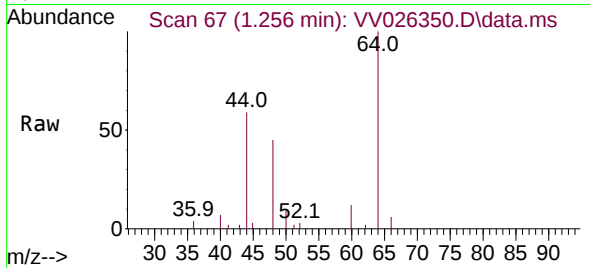




#3
Chloromethane
Concen: 0.047 ug/L
RT: 1.256 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV026350.D
Acq: 16 Jun 2022 22:29

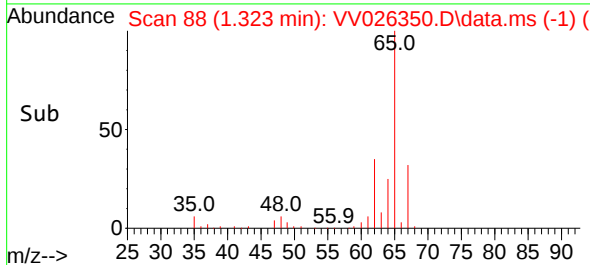
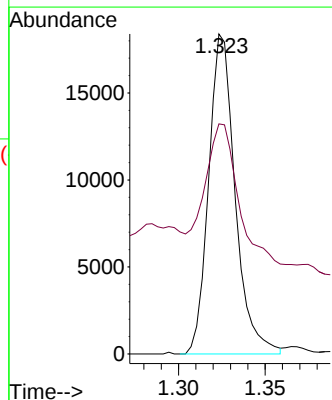
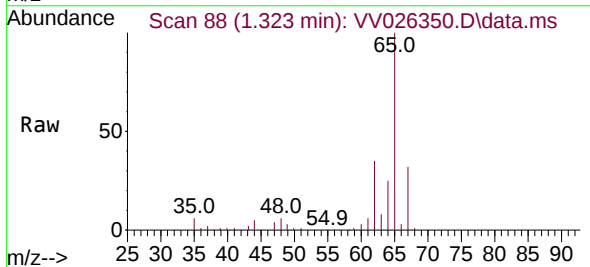
Instrument :
MSVOA_V
ClientSampleId :
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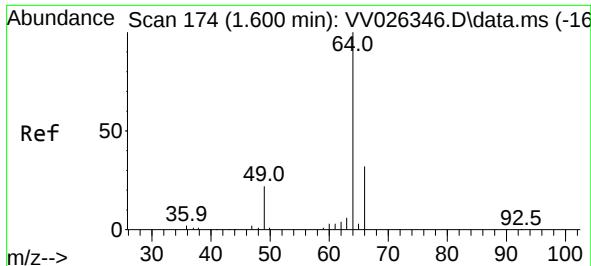
Tgt Ion: 50 Resp: 766
Ion Ratio Lower Upper
50 100
52 31.6 23.7 44.1



#5
Vinyl chloride
Concen: 1.150 ug/L
RT: 1.323 min Scan# 88
Delta R.T. -0.003 min
Lab File: VV026350.D
Acq: 16 Jun 2022 22:29

Tgt Ion: 62 Resp: 19589
Ion Ratio Lower Upper
62 100
64 71.9 23.2 43.2#

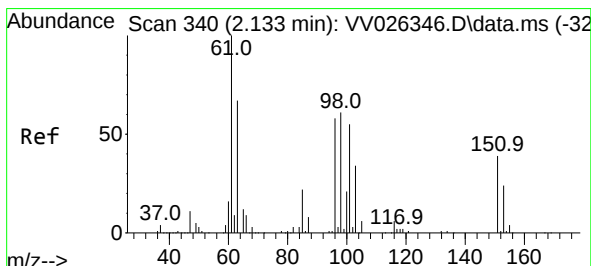
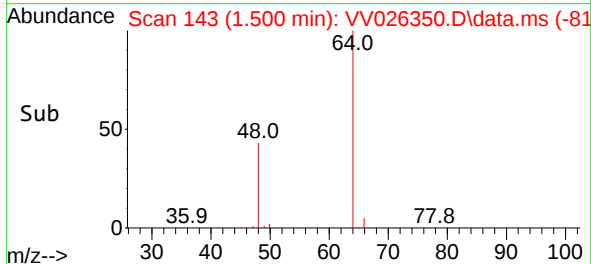
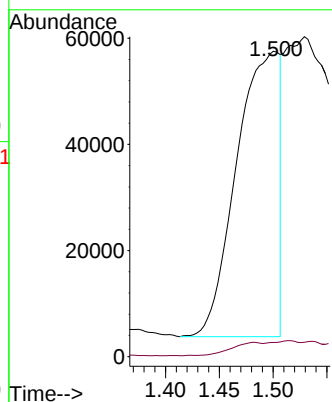
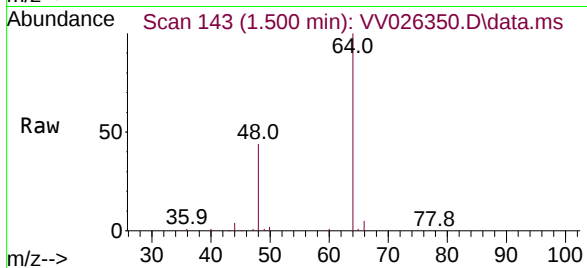




#8
Chloroethane
Concen: 14.144 ug/L
RT: 1.500 min Scan# 14
Delta R.T. -0.100 min
Lab File: VV026350.D
Acq: 16 Jun 2022 22:29

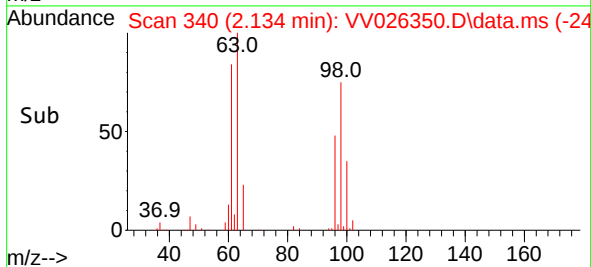
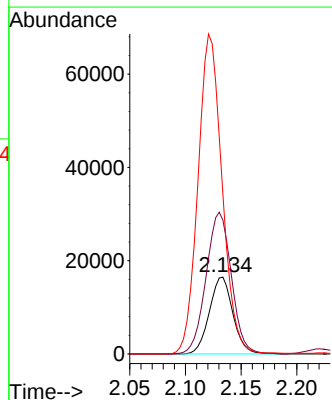
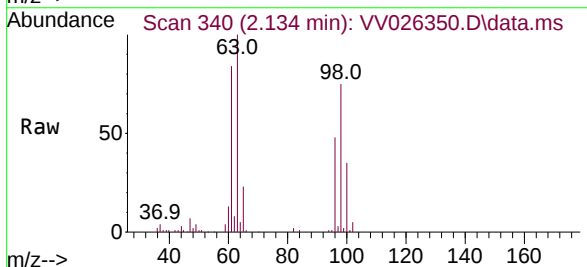
Instrument :
MSVOA_V
ClientSampleId :
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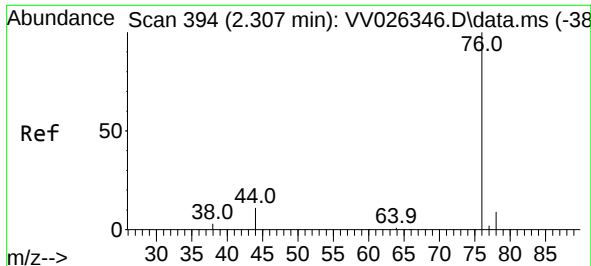
Tgt Ion: 64 Resp: 149552
Ion Ratio Lower Upper
64 100
66 4.6 24.1 44.7#



#12
1,1-Dichloroethene
Concen: 1.941 ug/L
RT: 2.134 min Scan# 340
Delta R.T. 0.000 min
Lab File: VV026350.D
Acq: 16 Jun 2022 22:29

Tgt Ion: 96 Resp: 24203
Ion Ratio Lower Upper
96 100
61 174.0 117.1 217.5
63 207.3 92.8 172.4#

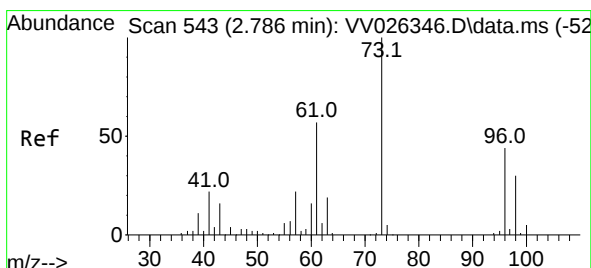
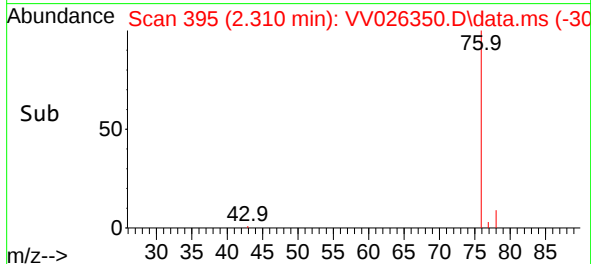
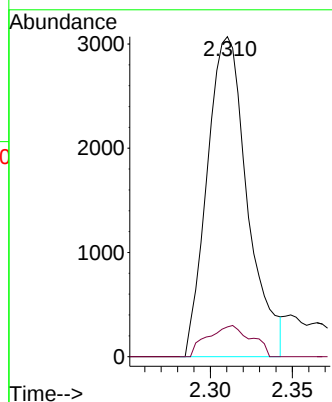
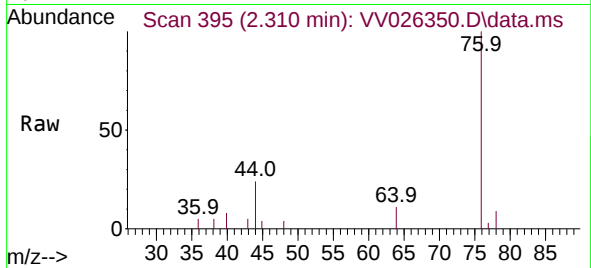




#14
Carbon disulfide
Concen: 0.170 ug/L
RT: 2.310 min Scan# 394
Delta R.T. 0.003 min
Lab File: VV026350.D
Acq: 16 Jun 2022 22:29

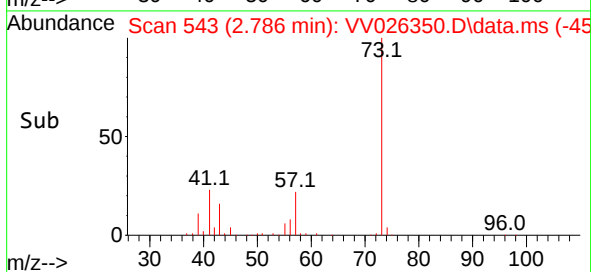
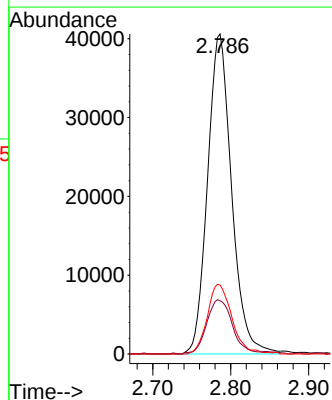
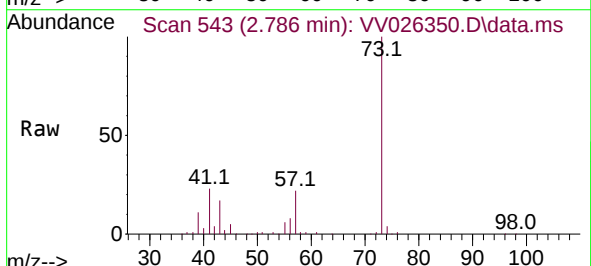
Instrument :
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ClientSampleId :
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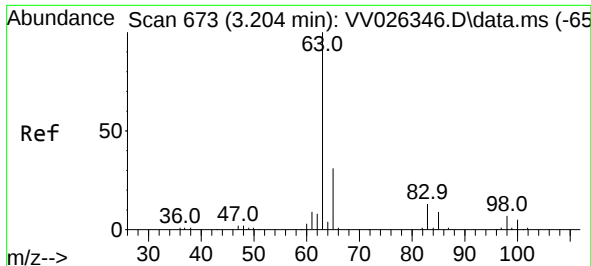
Tgt Ion: 76 Resp: 5235
Ion Ratio Lower Upper
76 100
78 9.3 7.7 11.5



#17
Methyl tert-butyl Ether
Concen: 4.064 ug/L
RT: 2.786 min Scan# 543
Delta R.T. 0.000 min
Lab File: VV026350.D
Acq: 16 Jun 2022 22:29

Tgt Ion: 73 Resp: 87106
Ion Ratio Lower Upper
73 100
43 18.0 13.0 19.6
57 22.1 17.6 26.4





#19

1,1-Dichloroethane

Concen: 0.755 ug/L

RT: 3.207 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV026350.D

Acq: 16 Jun 2022 22:29

Instrument :

MSVOA_V

ClientSampleId :

BGJ63

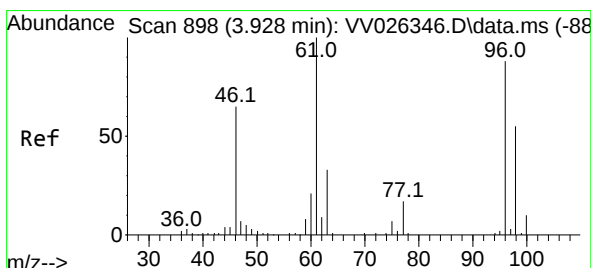
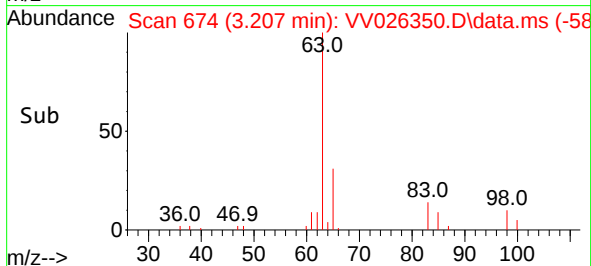
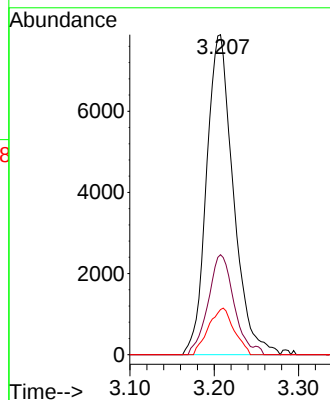
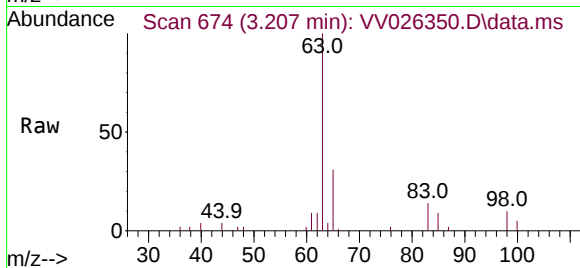
Tgt Ion: 63 Resp: 17419

Ion Ratio Lower Upper

63 100

65 31.2 22.3 41.3

83 14.1 8.9 16.5



#22

cis-1,2-Dichloroethene

Concen: 2.452 ug/L

RT: 3.924 min Scan# 897

Delta R.T. -0.003 min

Lab File: VV026350.D

Acq: 16 Jun 2022 22:29

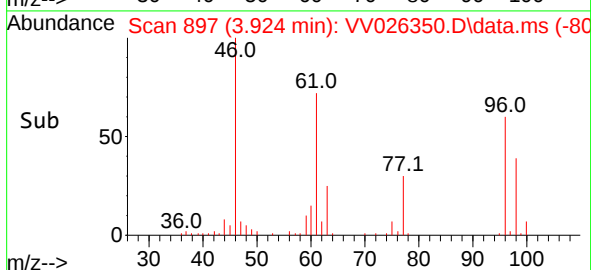
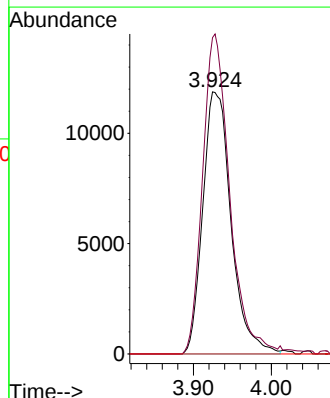
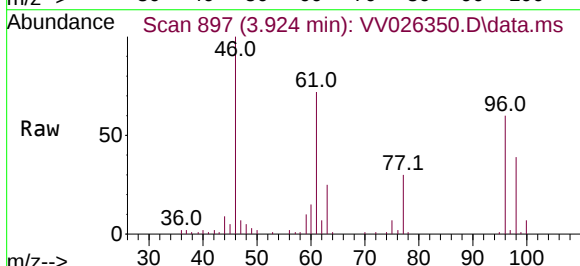
Tgt Ion: 96 Resp: 29993

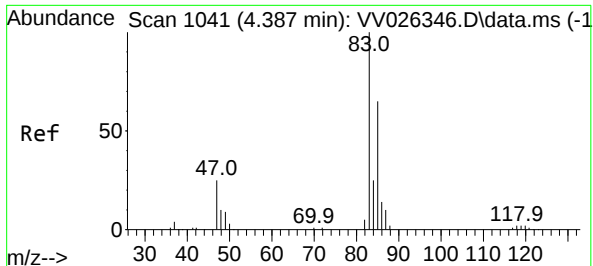
Ion Ratio Lower Upper

96 100

61 120.7 83.6 155.2

68 0.0 0.0 0.0

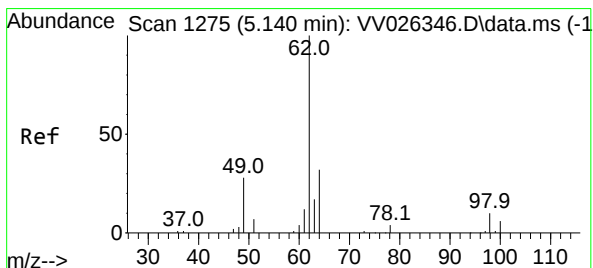
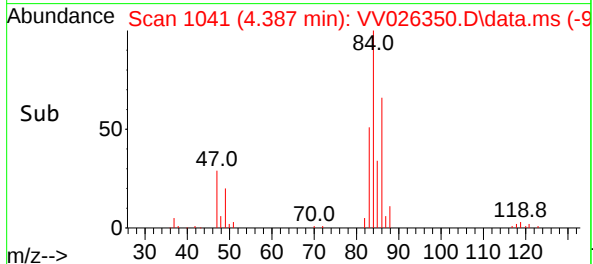
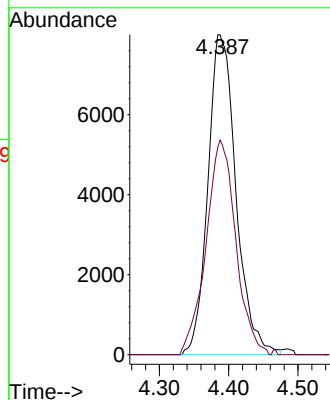
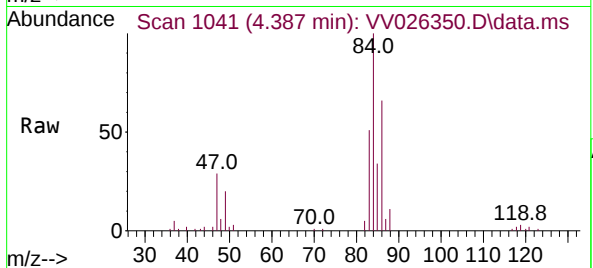




#25
Chloroform
Concen: 0.902 ug/L
RT: 4.387 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VV026350.D
Acq: 16 Jun 2022 22:29

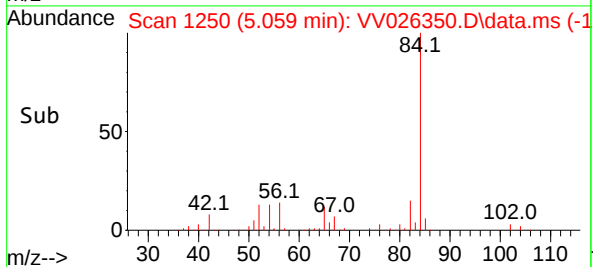
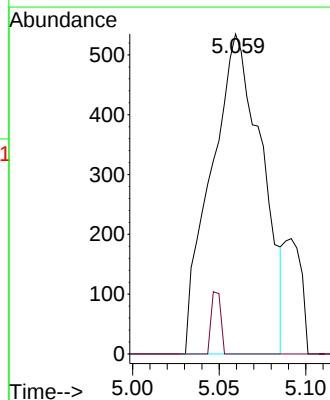
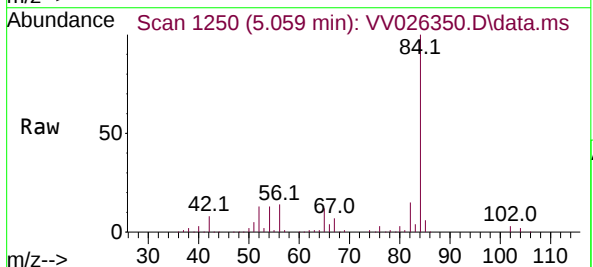
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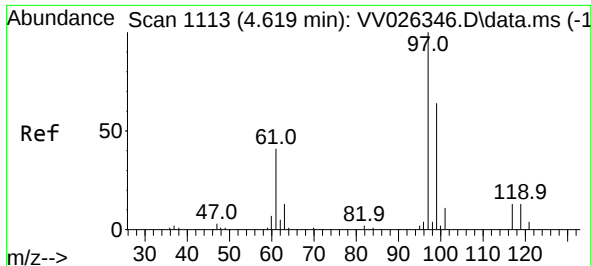
Tgt Ion: 83 Resp: 22561
Ion Ratio Lower Upper
83 100
85 67.1 46.5 86.3



#27
1,2-Dichloroethane
Concen: 0.096 ug/L
RT: 5.059 min Scan# 1250
Delta R.T. -0.080 min
Lab File: VV026350.D
Acq: 16 Jun 2022 22:29

Tgt Ion: 62 Resp: 1089
Ion Ratio Lower Upper
62 100
98 0.0 8.6 13.0#





#29

1,1,1-Trichloroethane

Concen: 1.067 ug/L

RT: 4.622 min Scan# 1114

Delta R.T. 0.003 min

Lab File: VV026350.D

Acq: 16 Jun 2022 22:29

Instrument :

MSVOA_V

ClientSampleId :

BGJ63

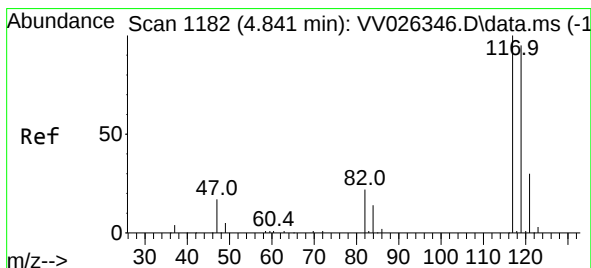
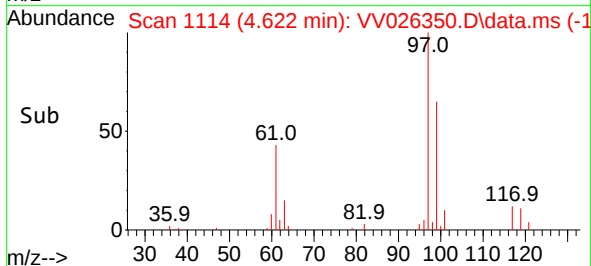
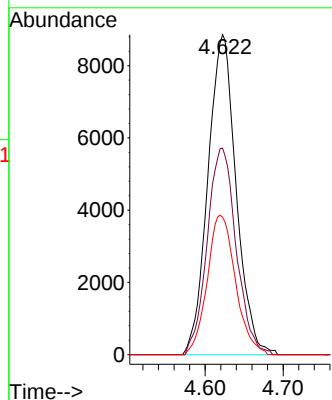
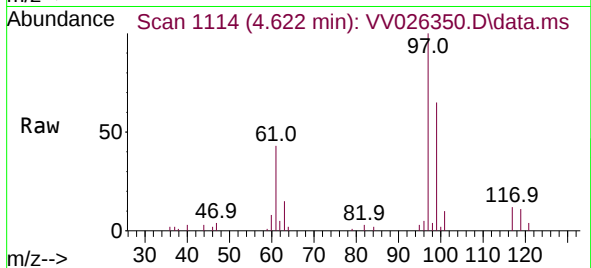
Tgt Ion: 97 Resp: 22318

Ion Ratio Lower Upper

97 100

99 66.3 50.3 75.5

61 43.7 33.4 50.0



#31

Carbon tetrachloride

Concen: 0.150 ug/L

RT: 4.622 min Scan# 1114

Delta R.T. -0.219 min

Lab File: VV026350.D

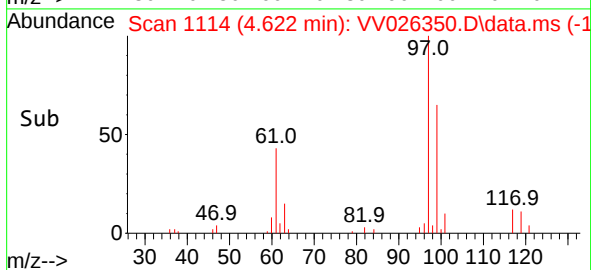
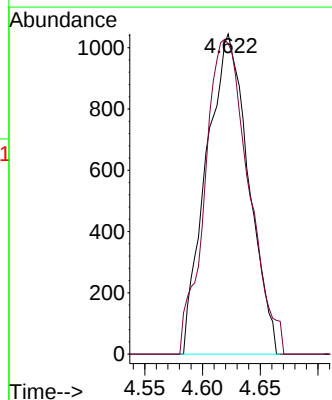
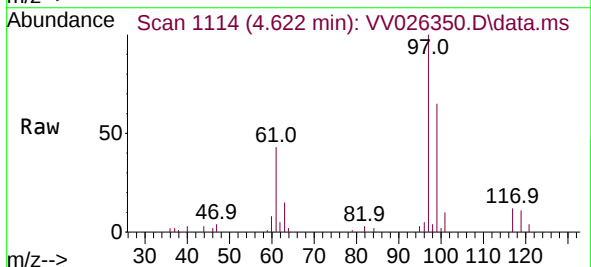
Acq: 16 Jun 2022 22:29

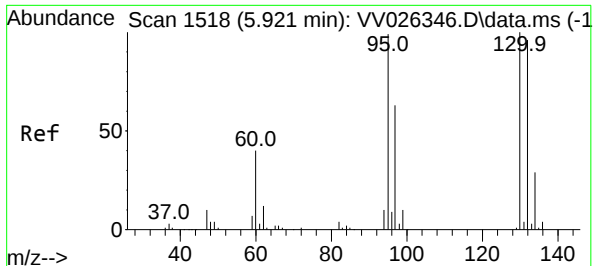
Tgt Ion: 117 Resp: 2655

Ion Ratio Lower Upper

117 100

119 101.9 76.2 114.4



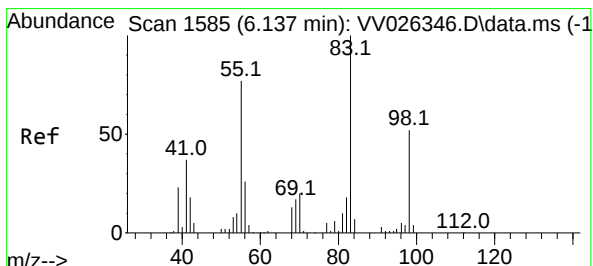
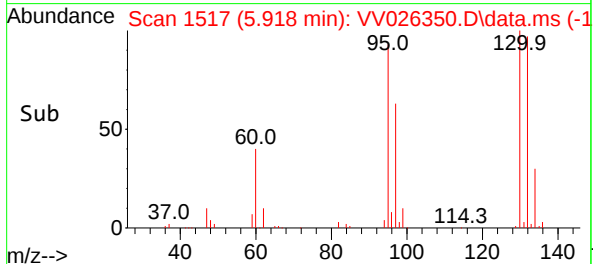
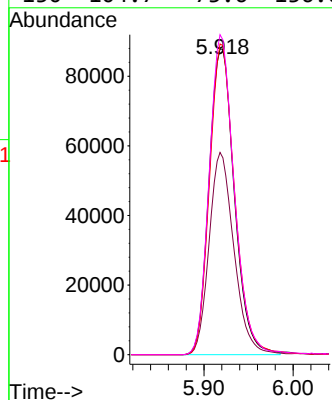
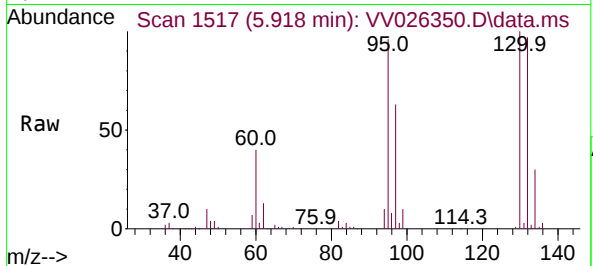


#34
Trichloroethene
Concen: 13.121 ug/L
RT: 5.918 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV026350.D
Acq: 16 Jun 2022 22:29

Instrument :
MSVOA_V
ClientSampleId :
BGJ63

Tgt Ion: 95 Resp: 173933

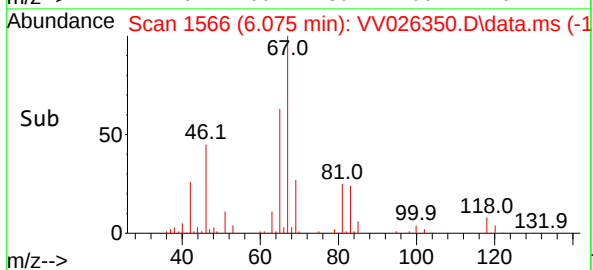
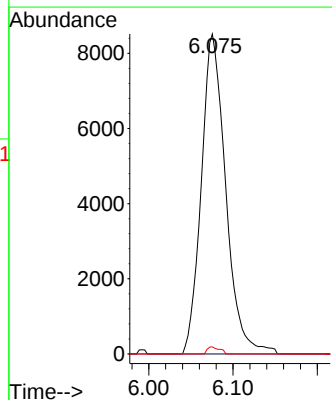
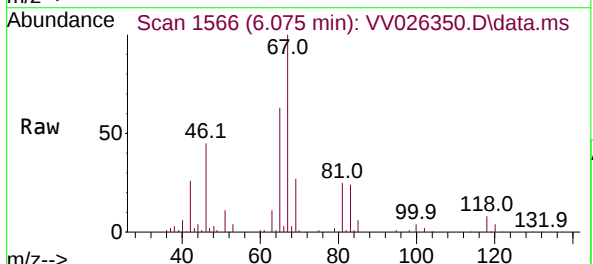
Ion	Ratio	Lower	Upper
95	100		
97	66.1	46.5	86.3
132	101.7	68.8	127.8
130	104.7	73.6	136.6

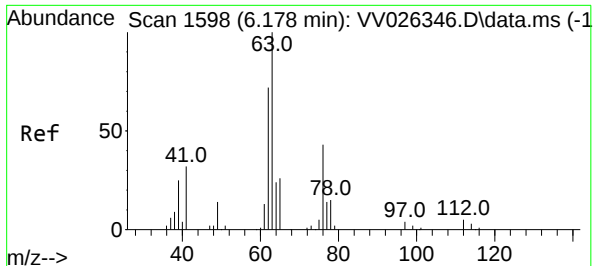


#35
Methylcyclohexane
Concen: 0.937 ug/L
RT: 6.075 min Scan# 1566
Delta R.T. -0.061 min
Lab File: VV026350.D
Acq: 16 Jun 2022 22:29

Tgt Ion: 83 Resp: 17174

Ion	Ratio	Lower	Upper
83	100		
55	0.0	59.3	88.9#
98	1.1	39.9	59.9#





#37

1,2-Dichloropropane

Concen: 0.632 ug/L

RT: 6.075 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV026350.D

Acq: 16 Jun 2022 22:29

Instrument :

MSVOA_V

ClientSampleId :

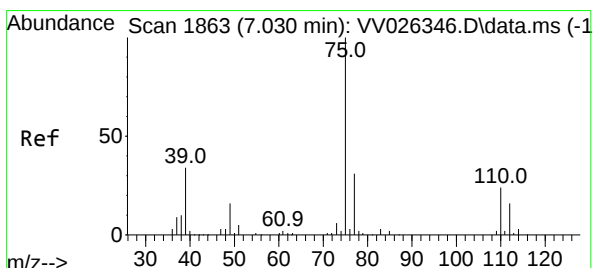
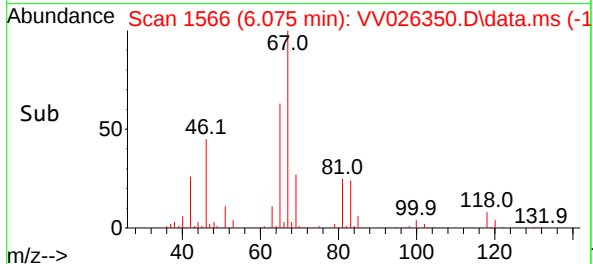
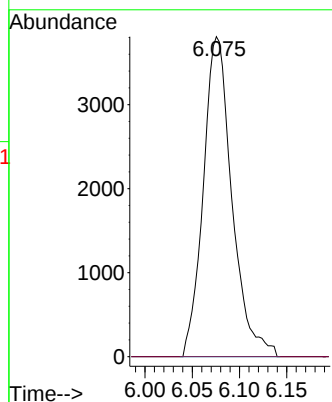
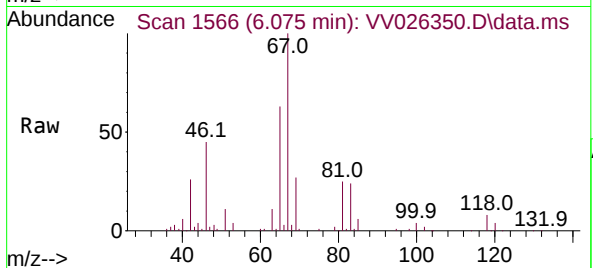
BGJ63

Tgt Ion: 63 Resp: 8031

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#39

cis-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 6.995 min Scan# 1852

Delta R.T. -0.035 min

Lab File: VV026350.D

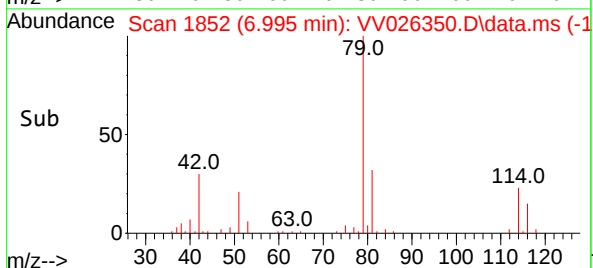
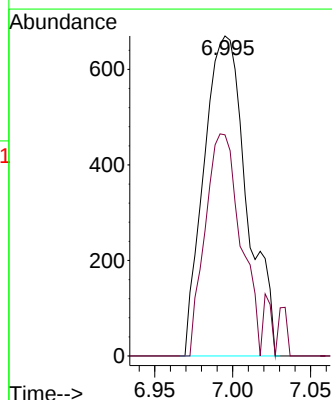
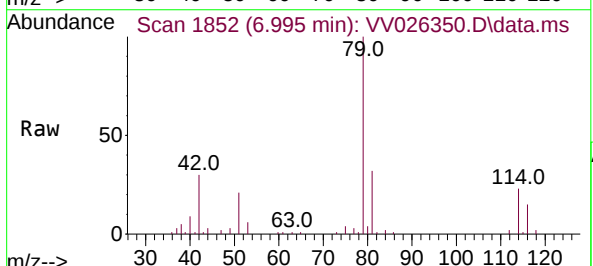
Acq: 16 Jun 2022 22:29

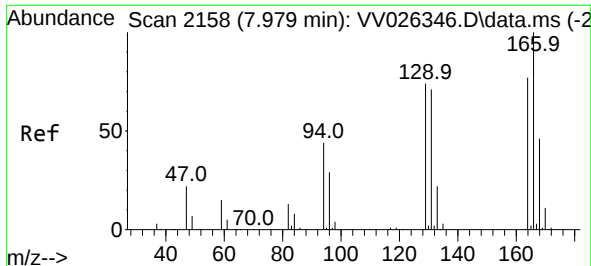
Tgt Ion: 75 Resp: 1279

Ion Ratio Lower Upper

75 100

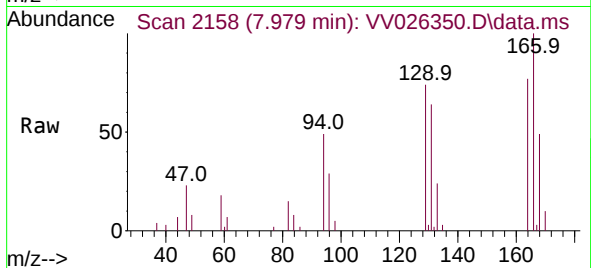
77 69.1 23.0 42.6#



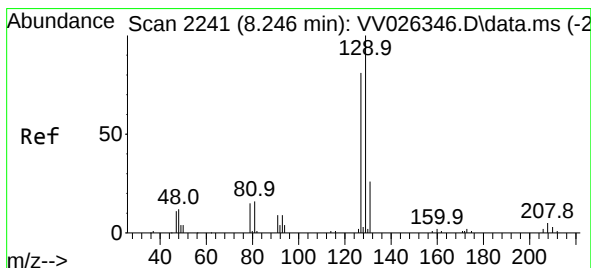
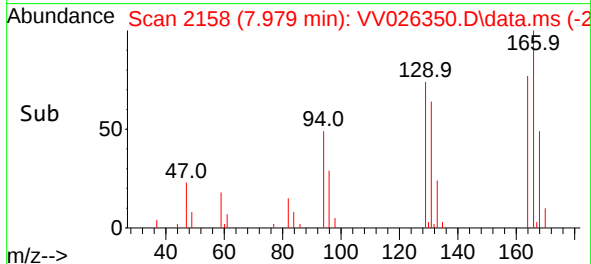
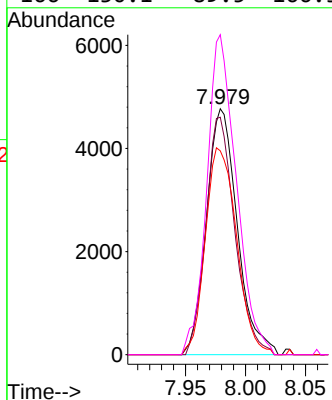


#47
Tetrachloroethene
Concen: 0.870 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.000 min
Lab File: VV026350.D
Acq: 16 Jun 2022 22:29

Instrument :
MSVOA_V
ClientSampleId :
BGJ63

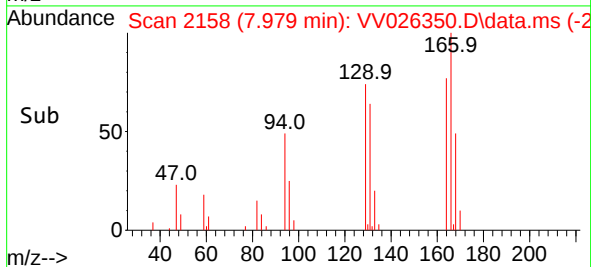
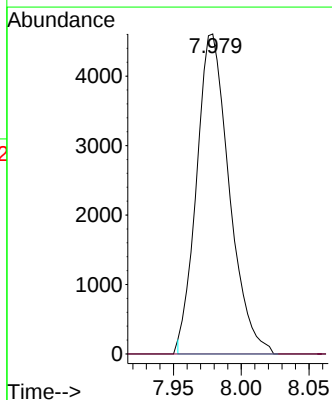
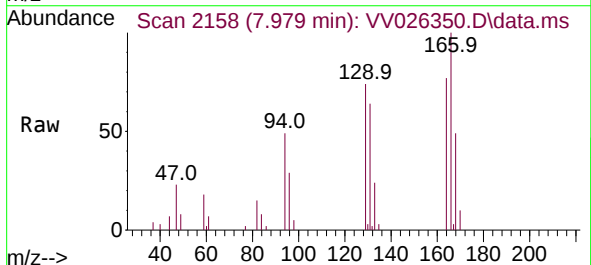


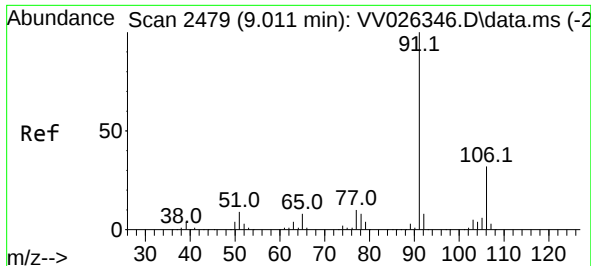
Tgt Ion:164	Resp:	8545
Ion	Ratio	Lower Upper
164	100	
129	96.6	67.5 125.3
131	82.9	63.8 118.4
166	130.1	89.5 166.3



#49
Dibromochloromethane
Concen: 0.835 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.267 min
Lab File: VV026350.D
Acq: 16 Jun 2022 22:29

Tgt Ion:129	Resp:	7708
Ion	Ratio	Lower Upper
129	100	
127	0.0	56.4 104.7#





#52

Ethylbenzene

Concen: 0.038 ug/L

RT: 9.024 min Scan# 2479

Delta R.T. 0.013 min

Lab File: VV026350.D

Acq: 16 Jun 2022 22:29

Instrument :

MSVOA_V

ClientSampleId :

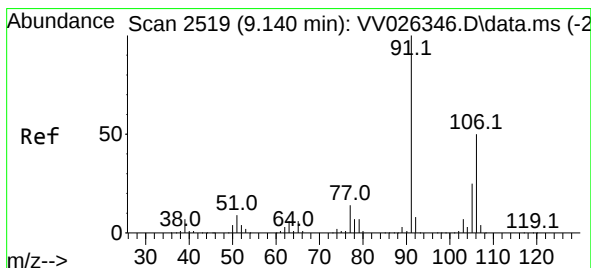
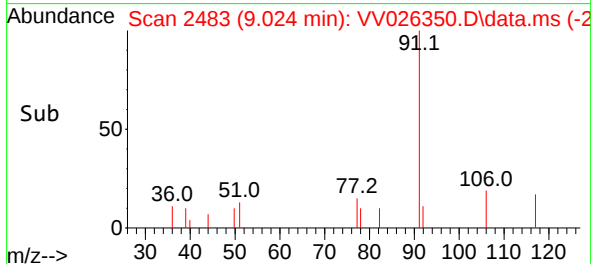
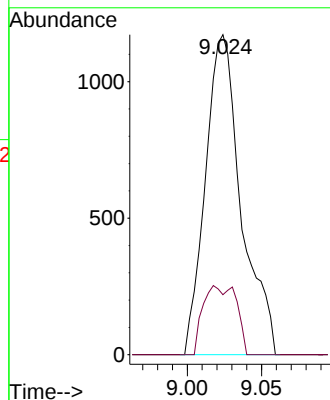
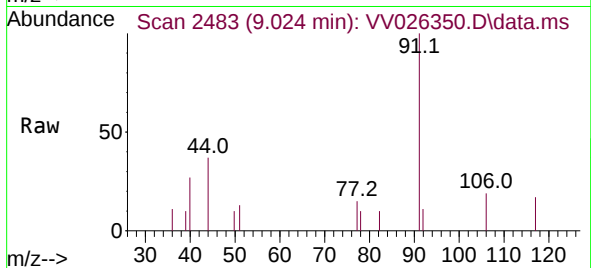
BGJ63

Tgt Ion: 91 Resp: 1964

Ion Ratio Lower Upper

91 100

106 18.8 21.6 40.0#



#53

m,p-Xylene

Concen: 0.138 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.000 min

Lab File: VV026350.D

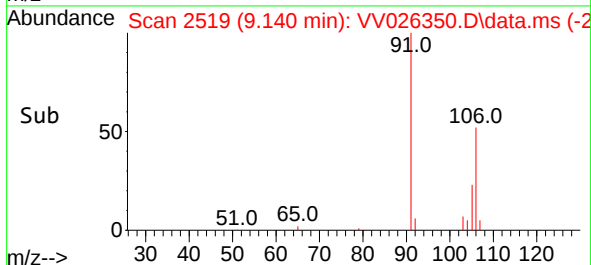
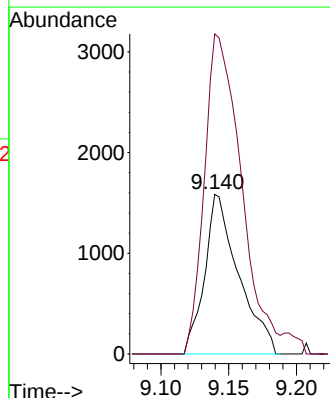
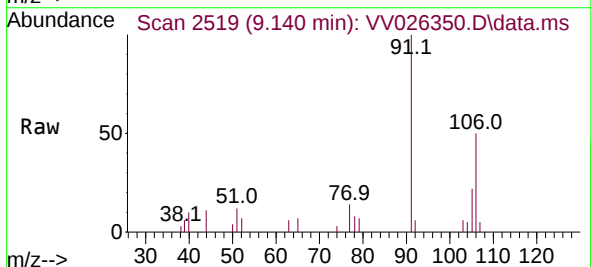
Acq: 16 Jun 2022 22:29

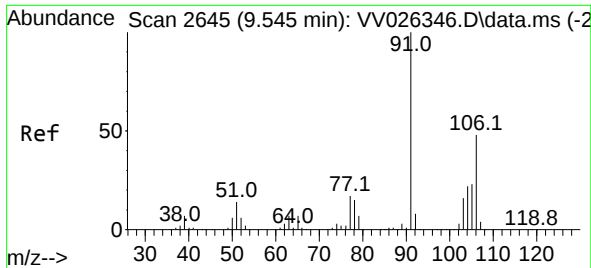
Tgt Ion: 106 Resp: 2760

Ion Ratio Lower Upper

106 100

91 200.5 141.3 262.3

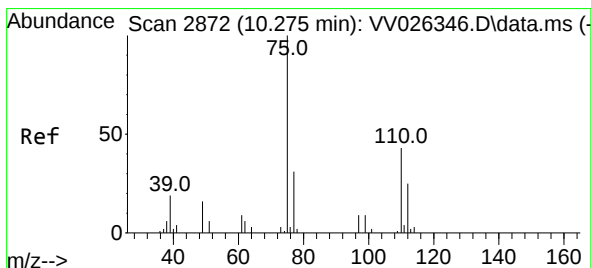
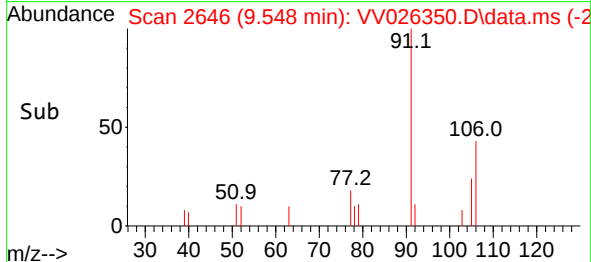
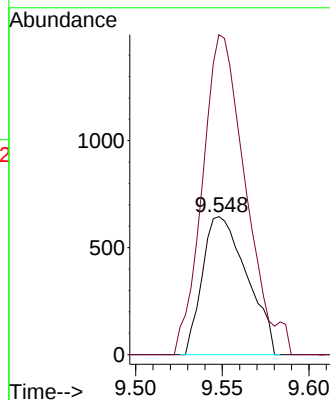
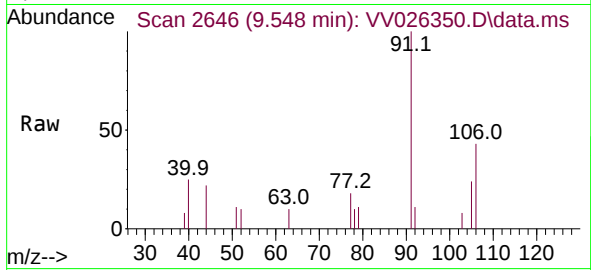




#54
o-Xylene
Concen: 0.060 ug/L
RT: 9.548 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV026350.D
Acq: 16 Jun 2022 22:29

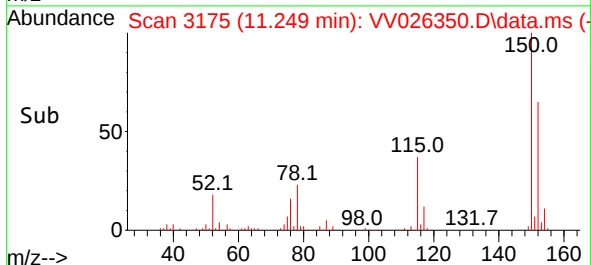
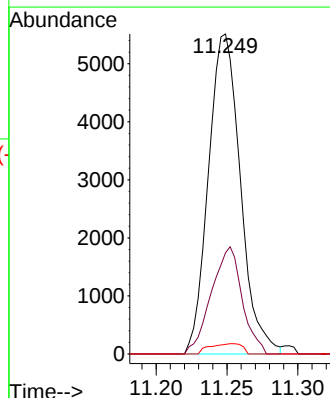
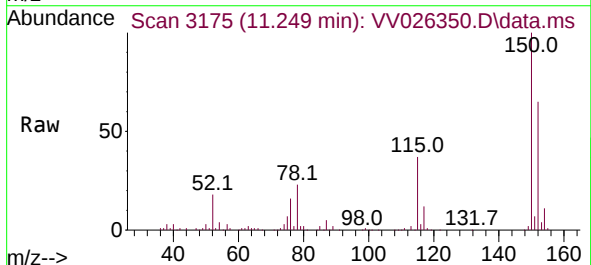
Instrument :
MSVOA_V
ClientSampleId :
BGJ63

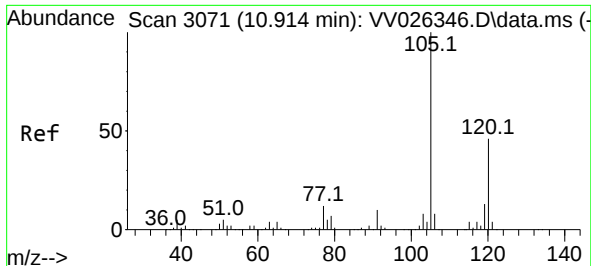
Tgt Ion:106 Resp: 1151
Ion Ratio Lower Upper
106 100
91 231.8 143.3 266.1



#61
1,2,3-Trichloropropane
Concen: 1.740 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV026350.D
Acq: 16 Jun 2022 22:29

Tgt Ion: 75 Resp: 8655
Ion Ratio Lower Upper
75 100
77 32.2 26.9 40.3
110 3.3 30.7 46.1#

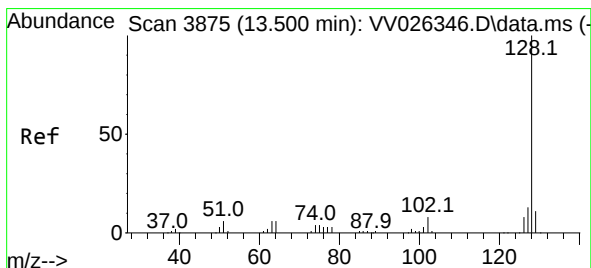
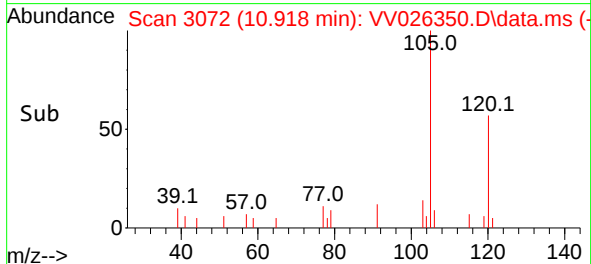
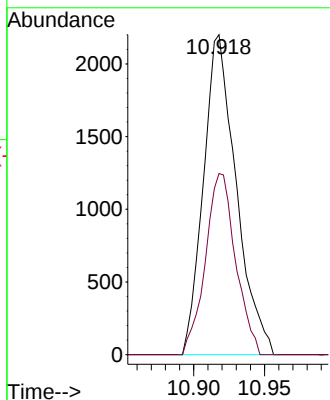
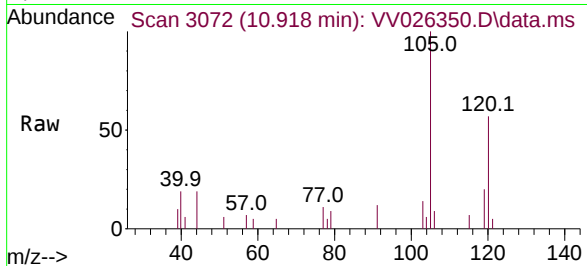




#63
1,2,4-Trimethylbenzene
Concen: 0.110 ug/L
RT: 10.918 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV026350.D
Acq: 16 Jun 2022 22:29

Instrument :
MSVOA_V
ClientSampleId :
BGJ63

Tgt Ion:105 Resp: 3536
Ion Ratio Lower Upper
105 100
120 52.2 36.9 55.3



#71
Naphthalene
Concen: 0.100 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.010 min
Lab File: VV026350.D
Acq: 16 Jun 2022 22:29

Tgt Ion:128 Resp: 1480
Ion Ratio Lower Upper
128 100
129 4.1 8.7 13.1#
127 7.0 10.6 16.0#

