

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061622\
 Data File : VW026358.D
 Acq On : 17 Jun 2022 01:40
 Operator : SY/MD
 Sample : N3318-20
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGJ74

Quant Time: Jun 17 07:21:32 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	5.622	114	189533	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	182473	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	74366	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.320	65	61615	3.743	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.800%
7) Chloroethane-d5	1.581	69	54781	4.232	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.600%
11) 1,1-Dichloroethene-d2	2.121	63	90162	3.189	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.800%
20) 2-Butanone-d5	3.931	46	79396	49.427	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.860%
24) Chloroform-d	4.359	84	118518	4.912	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
26) 1,2-Dichloroethane-d4	5.044	65	47885	4.691	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	5.060	84	220156	4.513	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	6.076	67	68174	4.788	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.800%
41) Toluene-d8	7.320	98	173657	3.904	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.000%
43) trans-1,3-Dichloroprop...	7.632	79	14331	3.104	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.000%
46) 2-Hexanone-d5	8.092	63	61462	44.070	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.140%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	43911	5.006	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	56588	4.940	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.253	50	1373	0.087	ug/L #	79
5) Vinyl chloride	1.323	62	10349	0.633	ug/L #	1
8) Chloroethane	1.542	64	83336	8.205	ug/L #	48
12) 1,1-Dichloroethene	2.130	96	4105	0.343	ug/L #	1
14) Carbon disulfide	2.307	76	3391	0.115	ug/L	96
15) Methyl Acetate	2.471	43	1019	0.341	ug/L #	48
17) Methyl tert-butyl Ether	2.793	73	1400	0.068	ug/L #	76
18) trans-1,2-Dichloroethene	2.774	96	590	0.051	ug/L	76
19) 1,1-Dichloroethane	3.204	63	19990	0.903	ug/L	98
22) cis-1,2-Dichloroethene	3.928	96	5612	0.478	ug/L	99
25) Chloroform	4.388	83	6031	0.251	ug/L	92
29) 1,1,1-Trichloroethane	4.622	97	6869	0.341	ug/L	97
34) Trichloroethene	5.921	95	56029	4.387	ug/L	98
35) Methylcyclohexane	6.076	83	16587	0.939	ug/L #	19
37) 1,2-Dichloropropane	6.076	63	6913	0.565	ug/L #	88
39) cis-1,3-Dichloropropene	6.992	75	1072	0.077	ug/L #	62
47) Tetrachloroethene	7.979	164	8214	0.868	ug/L	94
49) Dibromochloromethane	7.976	129	7238	0.814	ug/L #	9
53) m,p-Xylene	9.146	106	1967	0.102	ug/L	90

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QLast Update : Fri Jun 17 06:57:04 2022
Response via : Initial Calibration

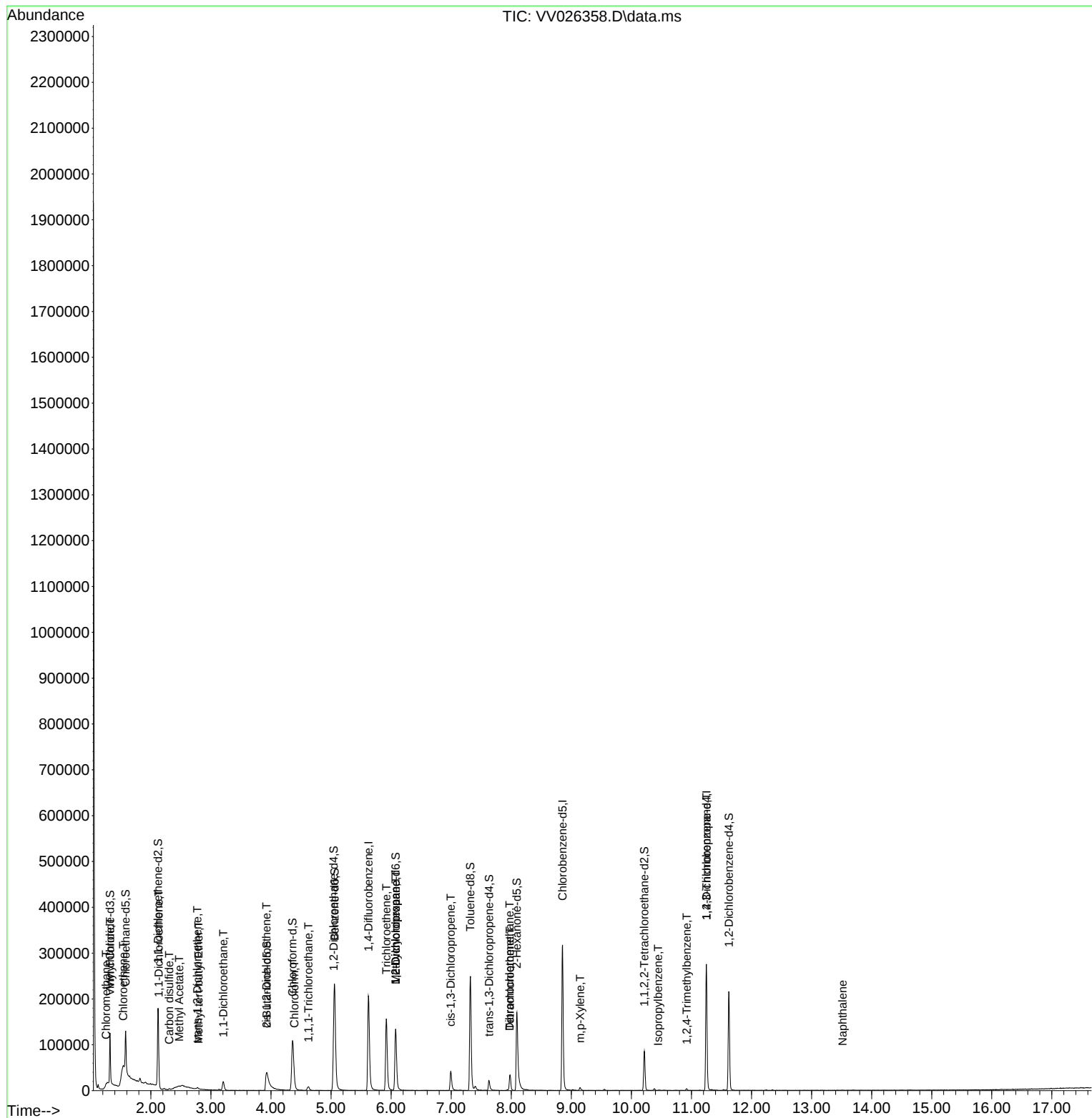
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	10.448	105	1416	0.036	ug/L #	68
61) 1,2,3-Trichloropropane	11.249	75	8827	1.829	ug/L #	67
63) 1,2,4-Trimethylbenzene	10.921	105	2366	0.076	ug/L	96
71) Naphthalene	13.519	128	819	0.057	ug/L #	69

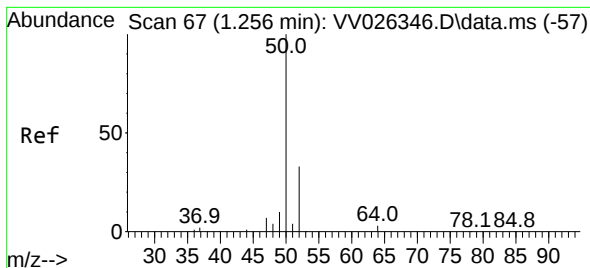
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#3

Chloromethane

Concen: 0.087 ug/L

RT: 1.253 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV026358.D

Acq: 17 Jun 2022 01:40

Instrument :

MSVOA_V

ClientSampleId :

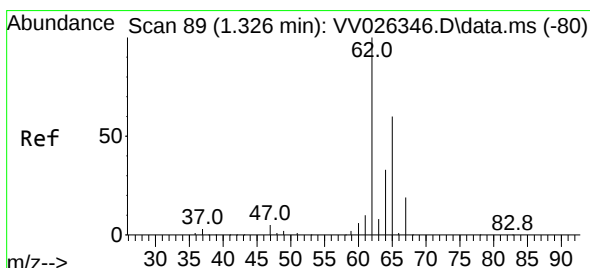
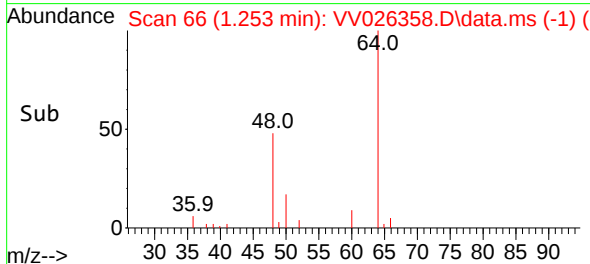
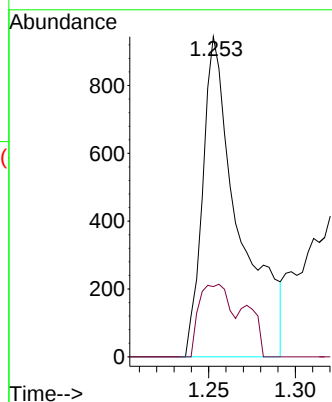
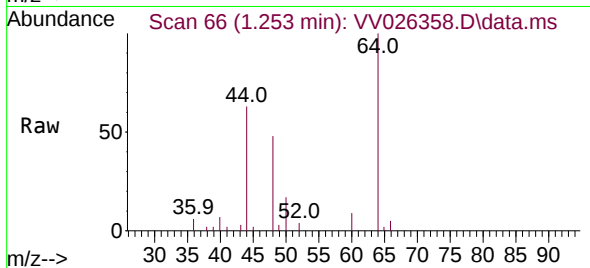
BGJ74

Tgt Ion: 50 Resp: 1373

Ion Ratio Lower Upper

50 100

52 21.9 23.7 44.1#



#5

Vinyl chloride

Concen: 0.633 ug/L

RT: 1.323 min Scan# 88

Delta R.T. -0.003 min

Lab File: VV026358.D

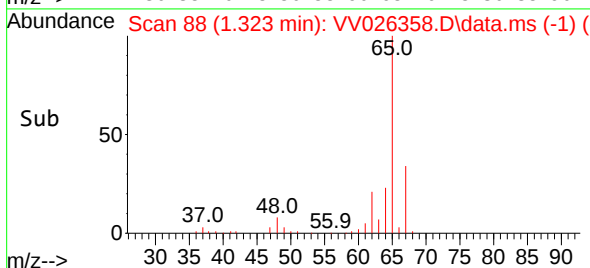
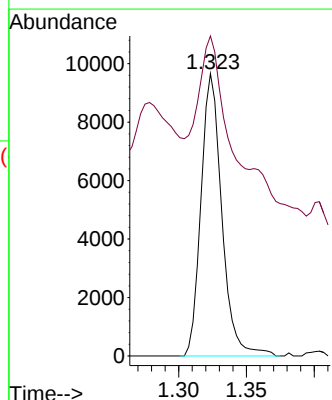
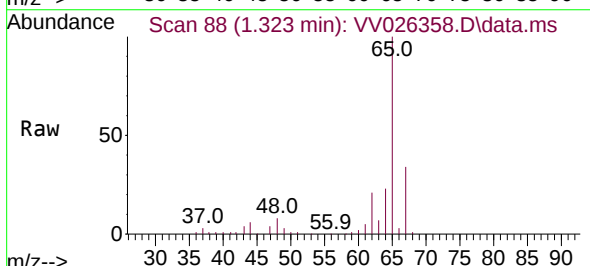
Acq: 17 Jun 2022 01:40

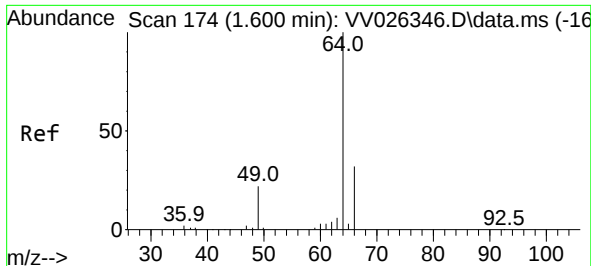
Tgt Ion: 62 Resp: 10349

Ion Ratio Lower Upper

62 100

64 113.3 23.2 43.2#

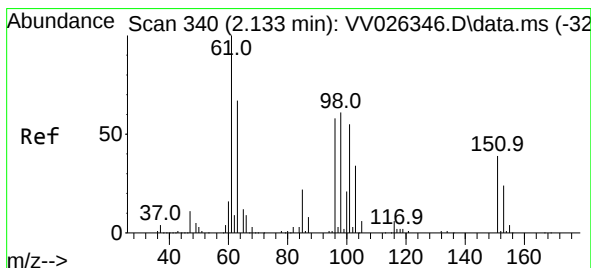
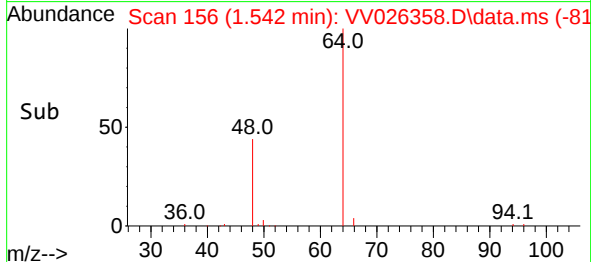
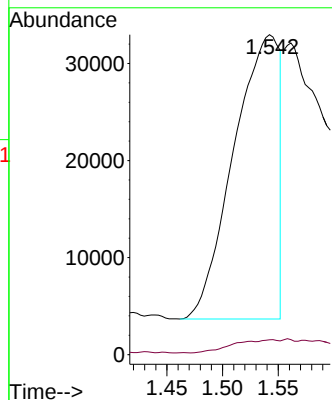
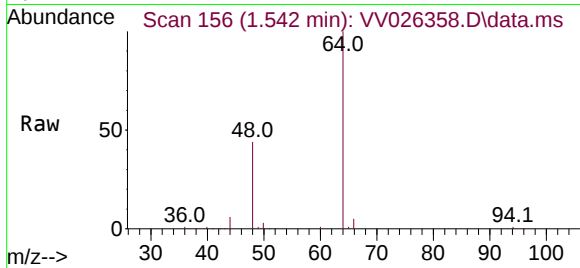




#8
Chloroethane
Concen: 8.205 ug/L
RT: 1.542 min Scan# 11
Delta R.T. -0.058 min
Lab File: VV026358.D
Acq: 17 Jun 2022 01:40

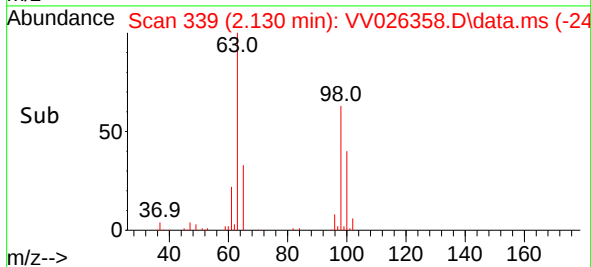
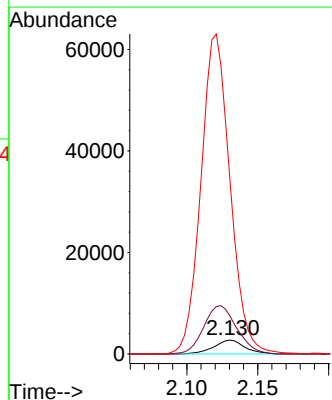
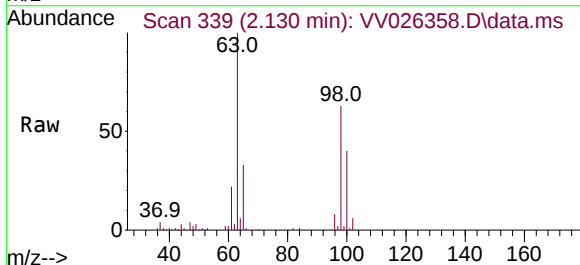
Instrument :
MSVOA_V
ClientSampleId :
BGJ74

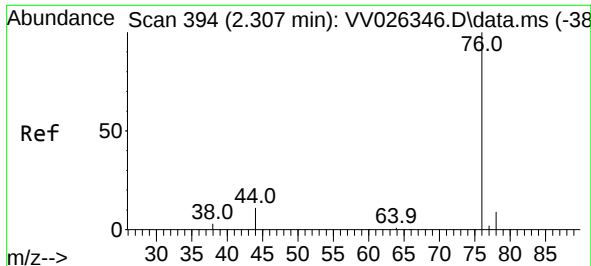
Tgt Ion: 64 Resp: 83336
Ion Ratio Lower Upper
64 100
66 4.6 24.1 44.7#



#12
1,1-Dichloroethene
Concen: 0.343 ug/L
RT: 2.130 min Scan# 339
Delta R.T. -0.003 min
Lab File: VV026358.D
Acq: 17 Jun 2022 01:40

Tgt Ion: 96 Resp: 4105
Ion Ratio Lower Upper
96 100
61 269.7 117.1 217.5#
63 1232.8 92.8 172.4#

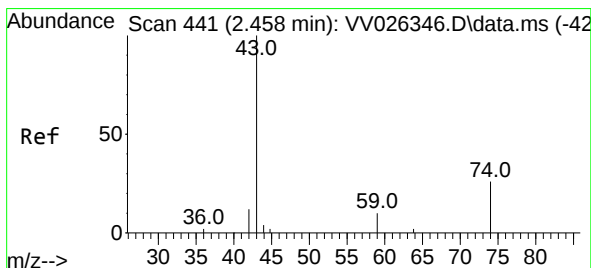
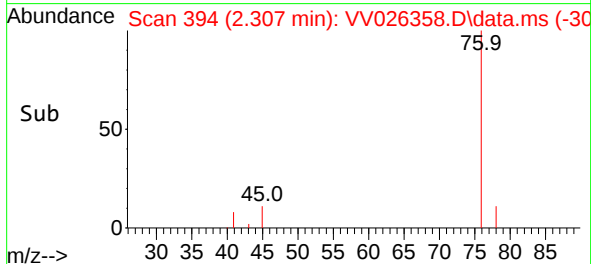
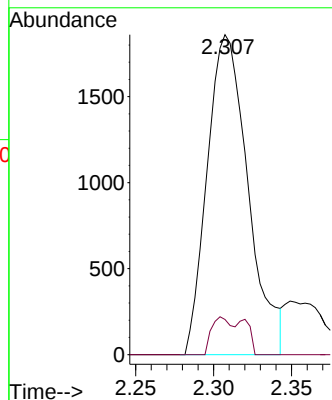
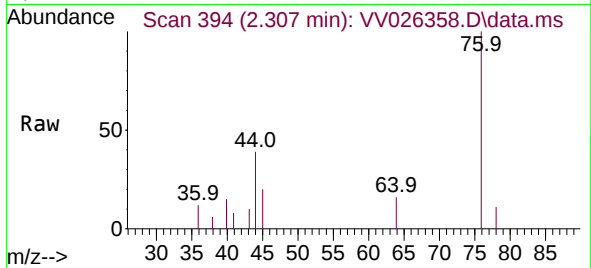




#14
Carbon disulfide
Concen: 0.115 ug/L
RT: 2.307 min Scan# 394
Delta R.T. 0.000 min
Lab File: VV026358.D
Acq: 17 Jun 2022 01:40

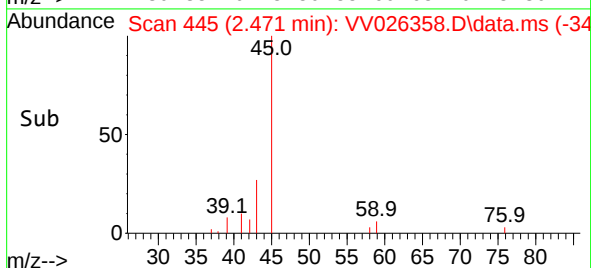
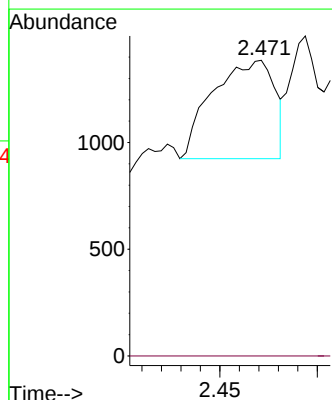
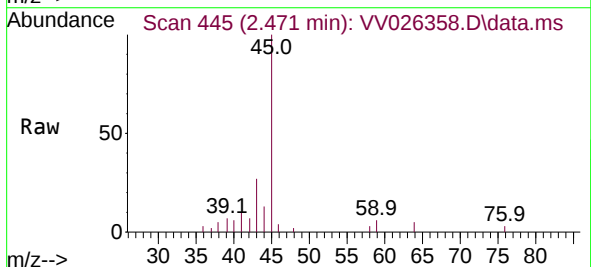
Instrument :
MSVOA_V
ClientSampleId :
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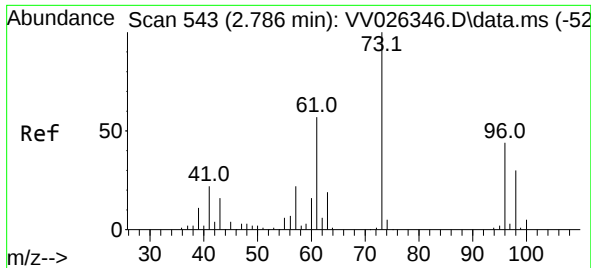
Tgt Ion: 76 Resp: 3391
Ion Ratio Lower Upper
76 100
78 11.0 7.7 11.5



#15
Methyl Acetate
Concen: 0.341 ug/L
RT: 2.471 min Scan# 445
Delta R.T. 0.013 min
Lab File: VV026358.D
Acq: 17 Jun 2022 01:40

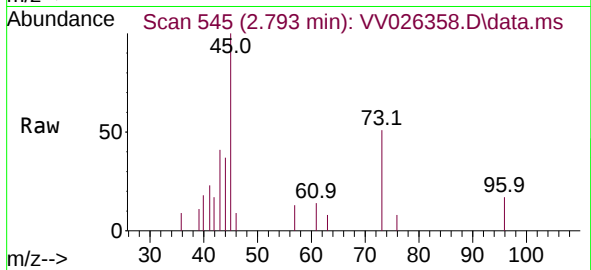
Tgt Ion: 43 Resp: 1019
Ion Ratio Lower Upper
43 100
74 0.0 21.4 32.0#



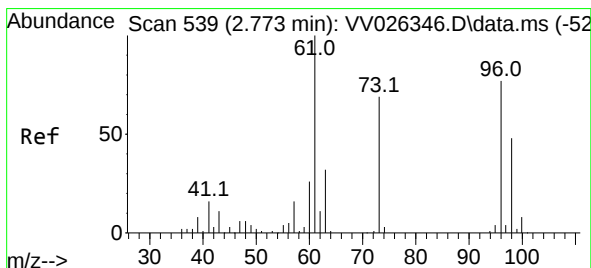
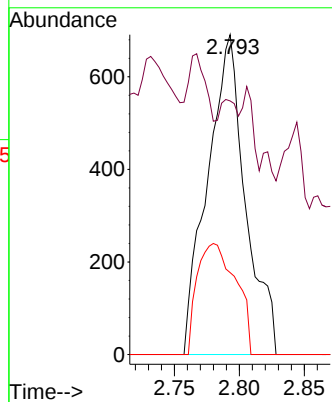
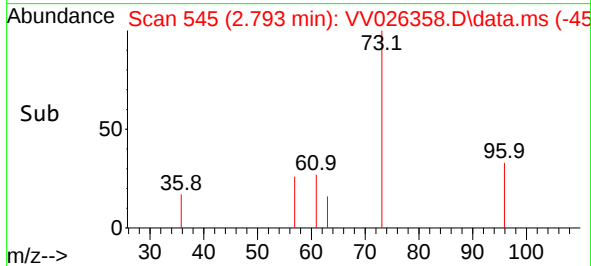


#17
Methyl tert-butyl Ether
Concen: 0.068 ug/L
RT: 2.793 min Scan# 543
Delta R.T. 0.007 min
Lab File: VV026358.D
Acq: 17 Jun 2022 01:40

Instrument :
MSVOA_V
ClientSampleId :
BGJ74

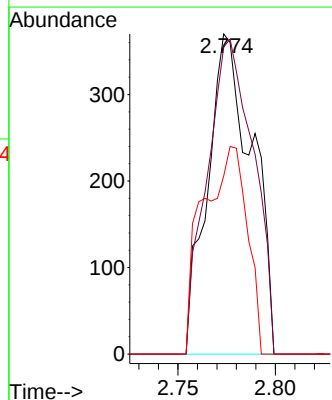
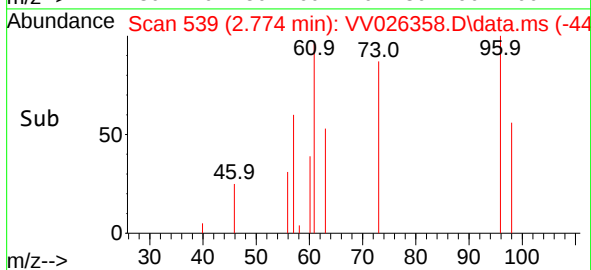
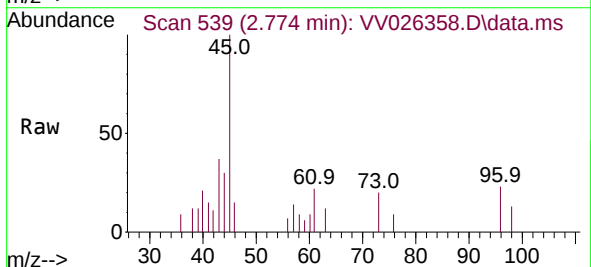


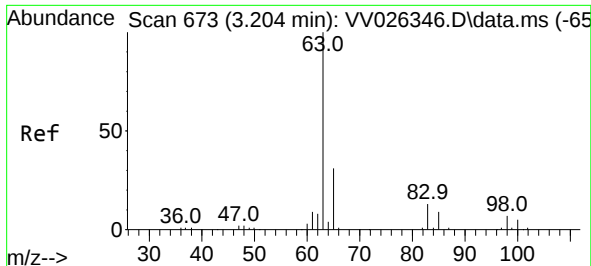
Tgt Ion: 73 Resp: 1400
Ion Ratio Lower Upper
73 100
43 8.6 13.0 19.6#
57 35.4 17.6 26.4#



#18
trans-1,2-Dichloroethene
Concen: 0.051 ug/L
RT: 2.774 min Scan# 539
Delta R.T. 0.000 min
Lab File: VV026358.D
Acq: 17 Jun 2022 01:40

Tgt Ion: 96 Resp: 590
Ion Ratio Lower Upper
96 100
61 95.9 91.3 169.6
98 55.7 45.3 84.1





#19

1,1-Dichloroethane

Concen: 0.903 ug/L

RT: 3.204 min Scan# 61

Delta R.T. 0.000 min

Lab File: VV026358.D

Acq: 17 Jun 2022 01:40

Instrument :

MSVOA_V

ClientSampleId :

BGJ74

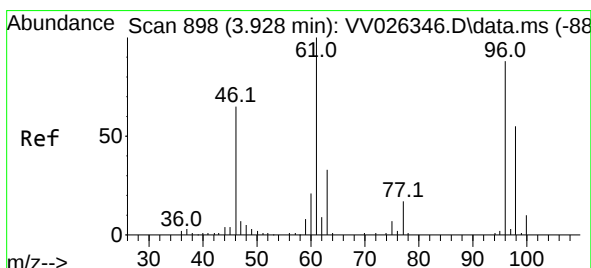
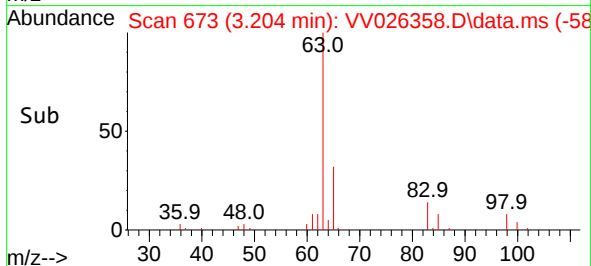
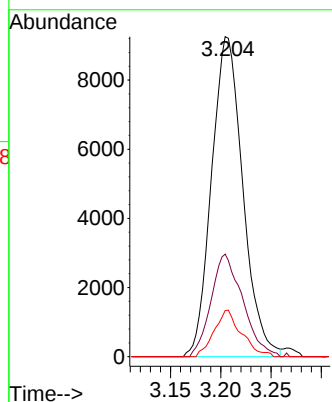
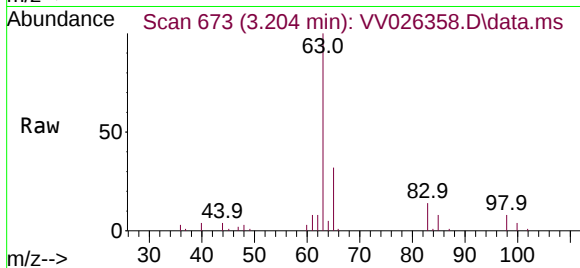
Tgt Ion: 63 Resp: 19990

Ion Ratio Lower Upper

63 100

65 32.1 22.3 41.3

83 14.4 8.9 16.5



#22

cis-1,2-Dichloroethene

Concen: 0.478 ug/L

RT: 3.928 min Scan# 898

Delta R.T. 0.000 min

Lab File: VV026358.D

Acq: 17 Jun 2022 01:40

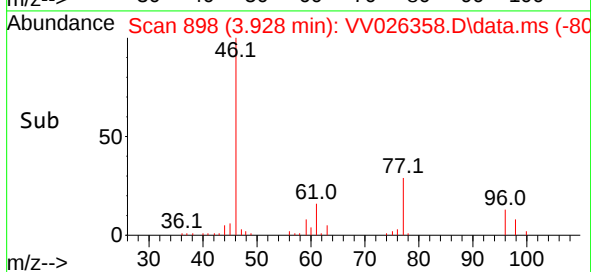
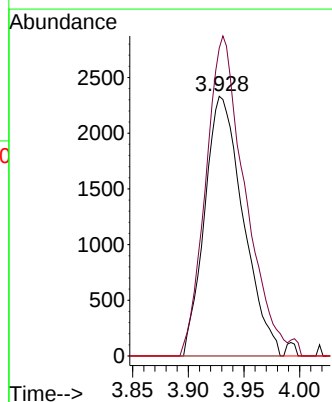
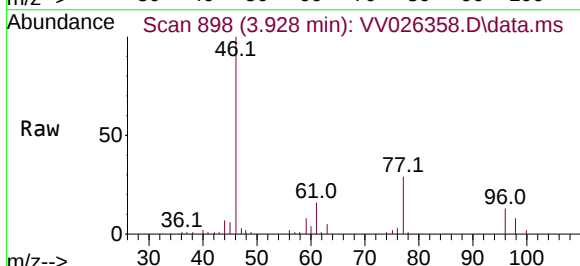
Tgt Ion: 96 Resp: 5612

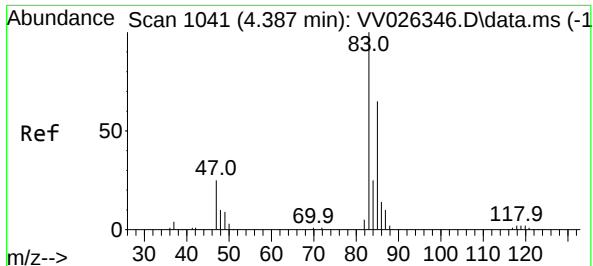
Ion Ratio Lower Upper

96 100

61 118.5 83.6 155.2

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.251 ug/L

RT: 4.388 min Scan# 1104

Delta R.T. 0.000 min

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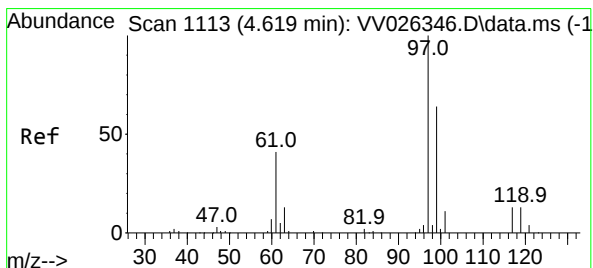
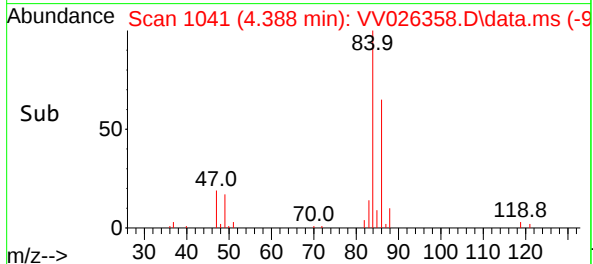
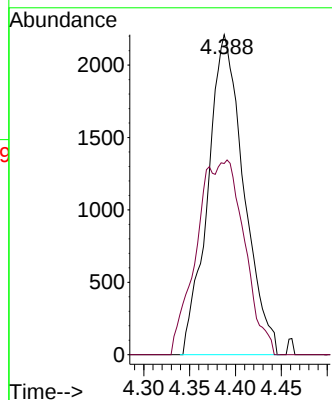
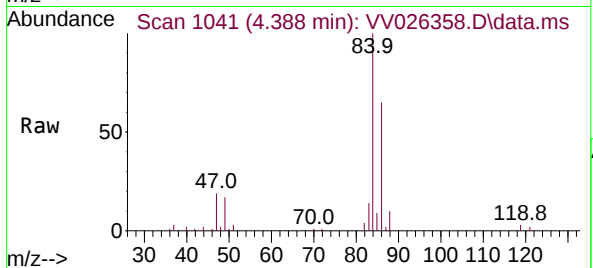
BGJ74

Tgt Ion: 83 Resp: 6031

Ion Ratio Lower Upper

83 100

85 59.8 46.5 86.3



#29

1,1,1-Trichloroethane

Concen: 0.341 ug/L

RT: 4.622 min Scan# 1114

Delta R.T. 0.003 min

Lab File: VV026358.D

Acq: 17 Jun 2022 01:40

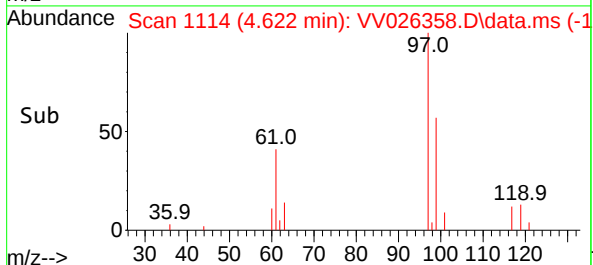
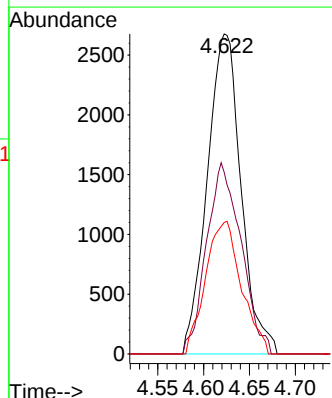
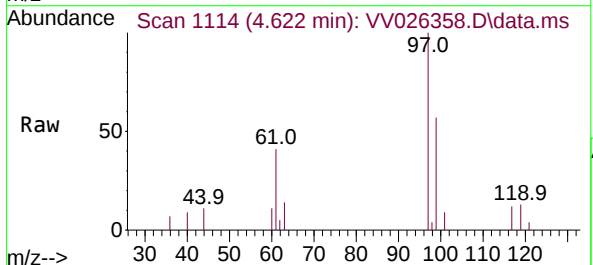
Tgt Ion: 97 Resp: 6869

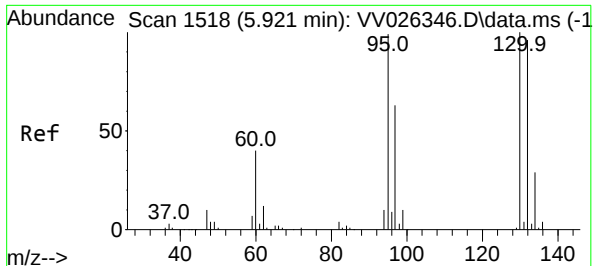
Ion Ratio Lower Upper

97 100

99 61.0 50.3 75.5

61 43.9 33.4 50.0



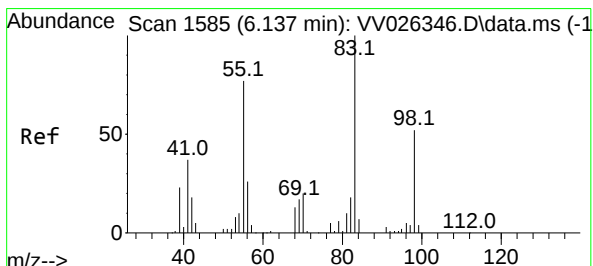
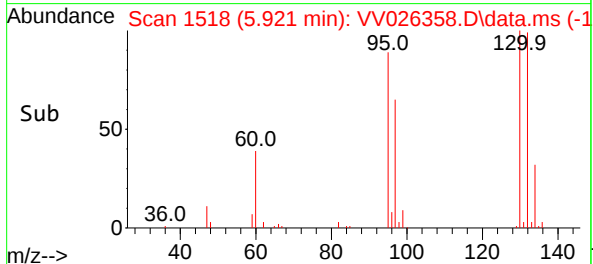
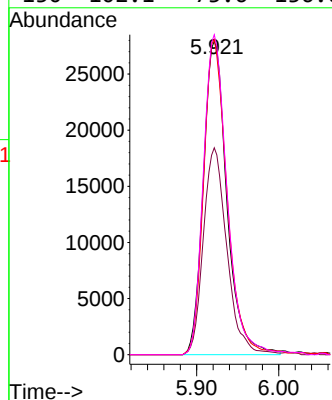
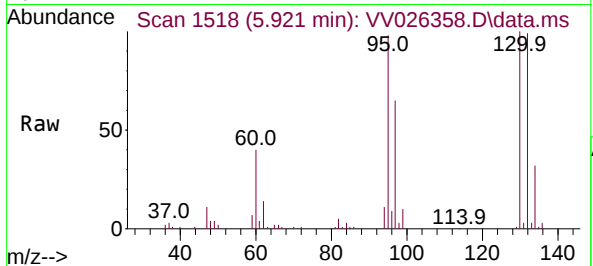


#34
Trichloroethene
Concen: 4.387 ug/L
RT: 5.921 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV026358.D
Acq: 17 Jun 2022 01:40

Instrument :
MSVOA_V
ClientSampleId :
BGJ74

Tgt Ion: 95 Resp: 56029

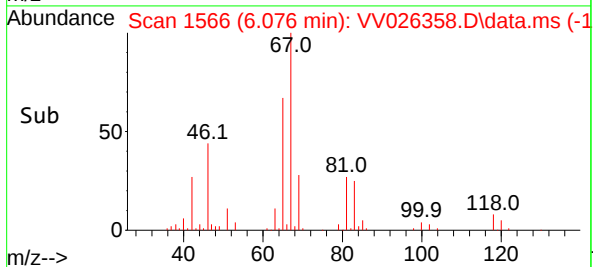
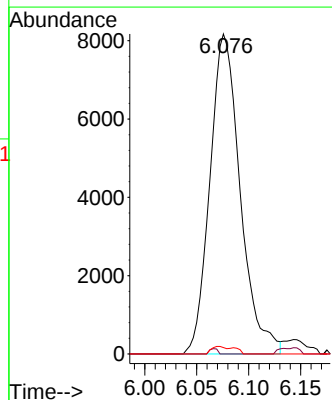
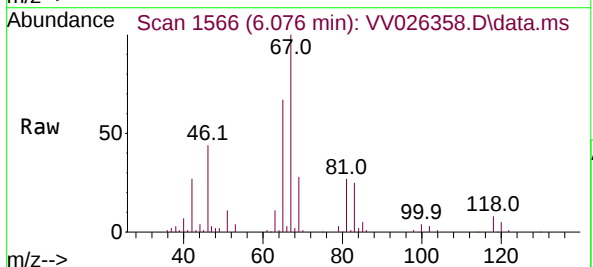
Ion	Ratio	Lower	Upper
95	100		
97	66.0	46.5	86.3
132	100.6	68.8	127.8
130	102.1	73.6	136.6

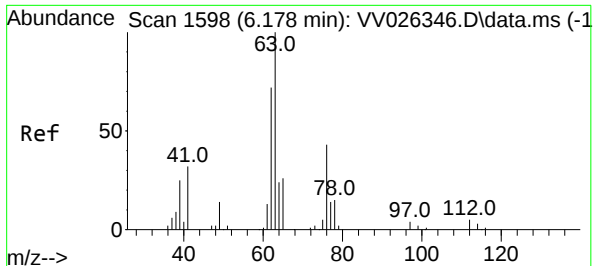


#35
Methylcyclohexane
Concen: 0.939 ug/L
RT: 6.076 min Scan# 1566
Delta R.T. -0.061 min
Lab File: VV026358.D
Acq: 17 Jun 2022 01:40

Tgt Ion: 83 Resp: 16587

Ion	Ratio	Lower	Upper
83	100		
55	0.4	59.3	88.9#
98	1.1	39.9	59.9#





#37

1,2-Dichloropropane

Concen: 0.565 ug/L

RT: 6.076 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV026358.D

Acq: 17 Jun 2022 01:40

Instrument :

MSVOA_V

ClientSampleId :

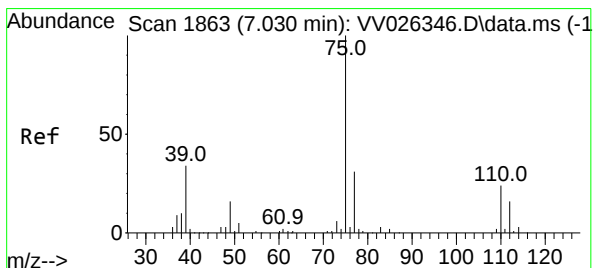
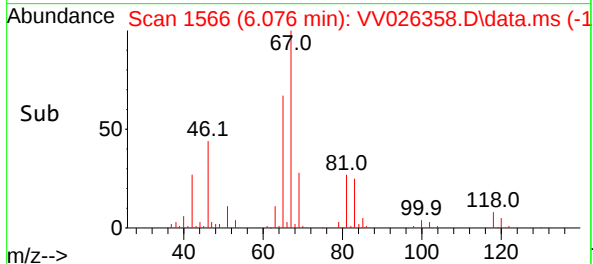
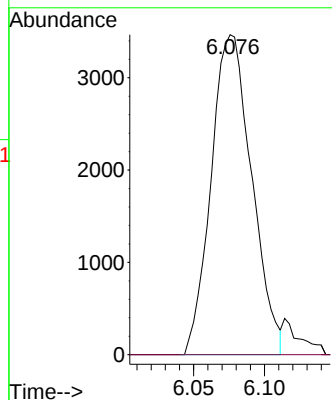
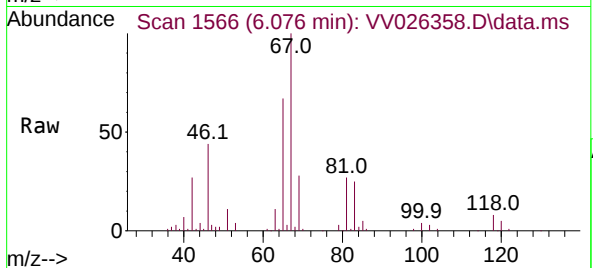
BGJ74

Tgt Ion: 63 Resp: 6913

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#39

cis-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.038 min

Lab File: VV026358.D

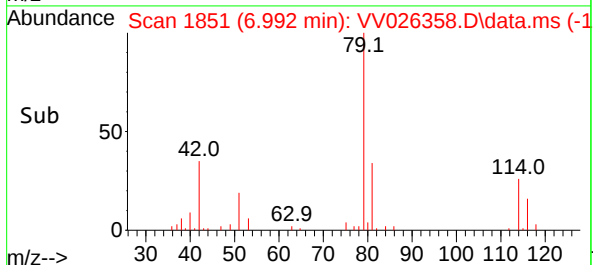
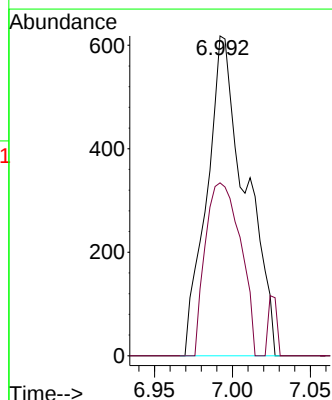
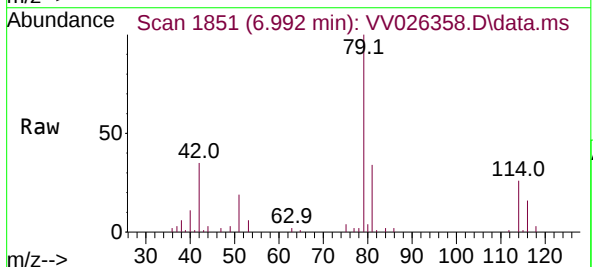
Acq: 17 Jun 2022 01:40

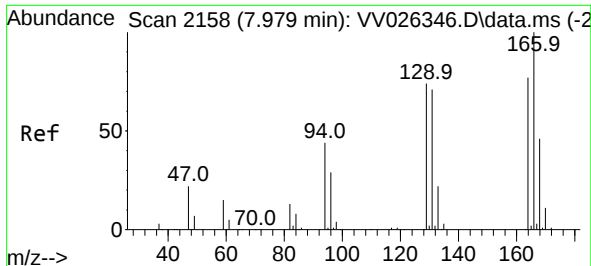
Tgt Ion: 75 Resp: 1072

Ion Ratio Lower Upper

75 100

77 54.0 23.0 42.6#





#47

Tetrachloroethene

Concen: 0.868 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.000 min

Lab File: VV026358.D

Acq: 17 Jun 2022 01:40

Instrument :

MSVOA_V

ClientSampleId :

BGJ74

Tgt Ion:164 Resp: 8214

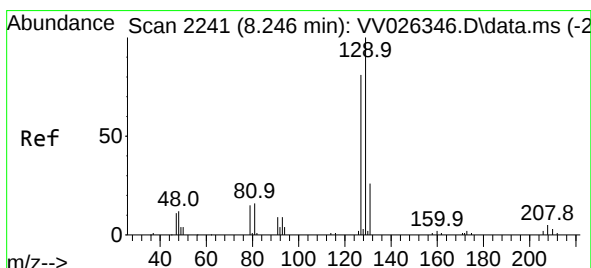
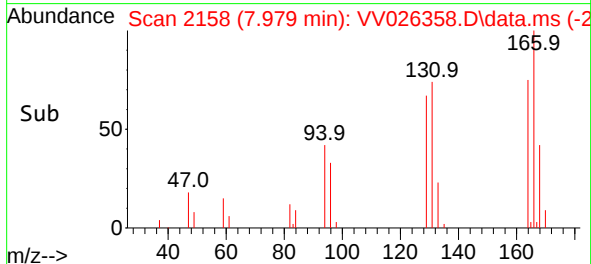
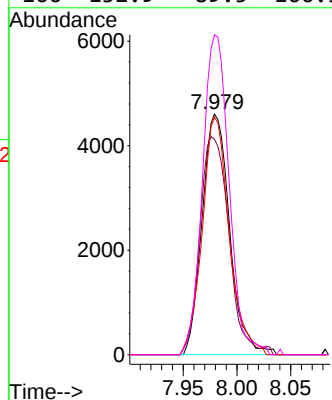
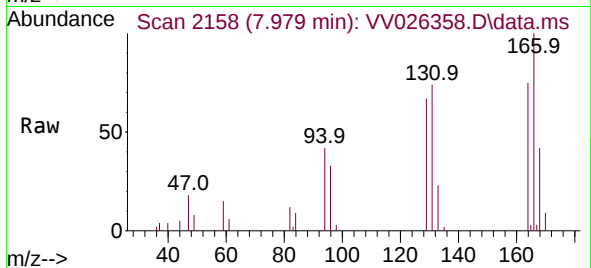
Ion Ratio Lower Upper

164 100

129 89.5 67.5 125.3

131 98.8 63.8 118.4

166 132.9 89.5 166.3



#49

Dibromochloromethane

Concen: 0.814 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV026358.D

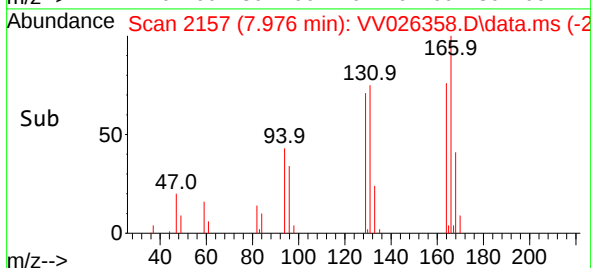
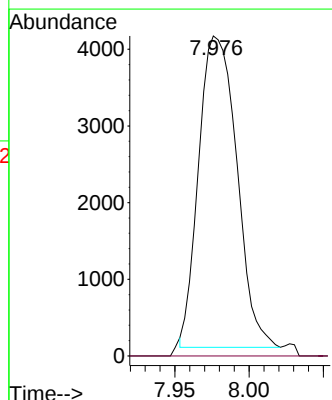
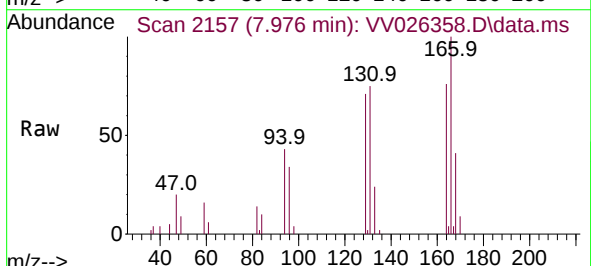
Acq: 17 Jun 2022 01:40

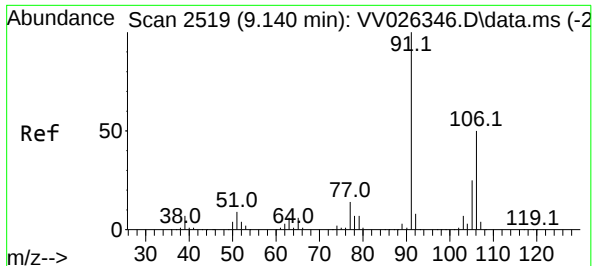
Tgt Ion:129 Resp: 7238

Ion Ratio Lower Upper

129 100

127 0.0 56.4 104.7#

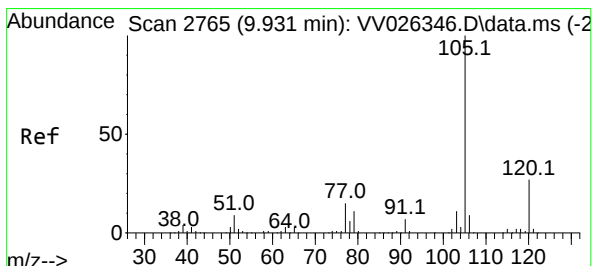
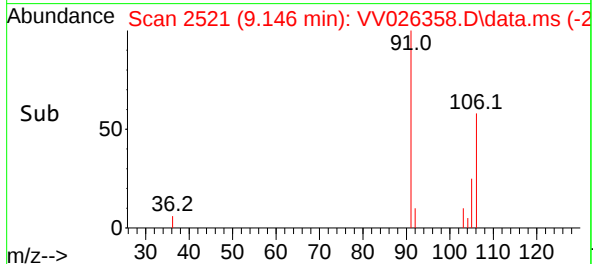
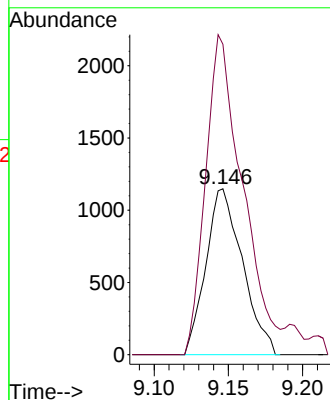
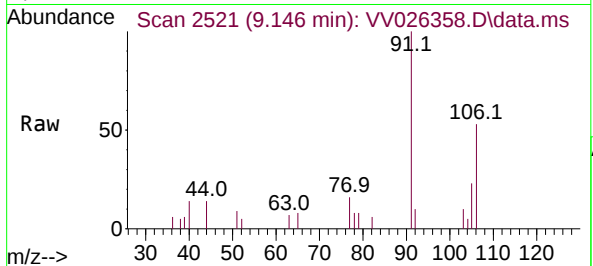




#53
m,p-Xylene
Concen: 0.102 ug/L
RT: 9.146 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV026358.D
Acq: 17 Jun 2022 01:40

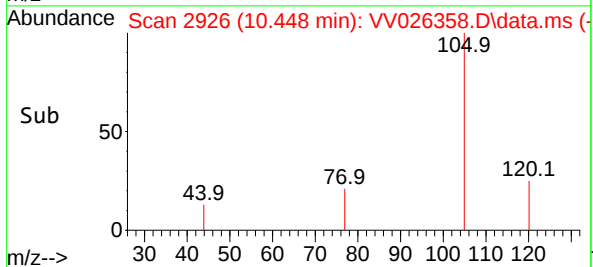
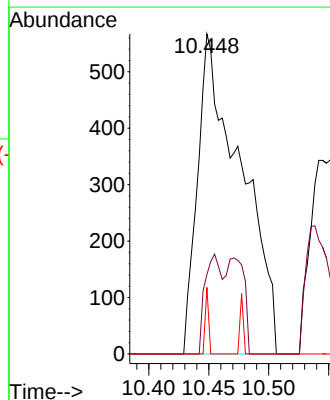
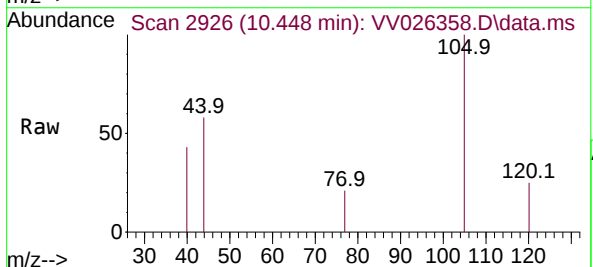
Instrument :
MSVOA_V
ClientSampleId :
BGJ74

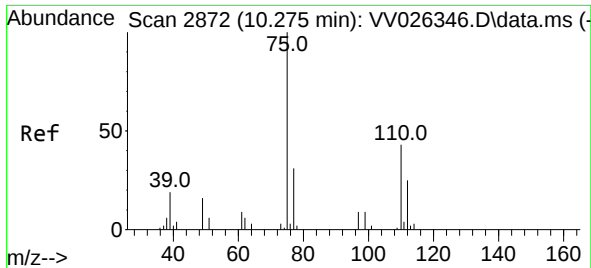
Tgt Ion:106 Resp: 1967
Ion Ratio Lower Upper
106 100
91 187.0 141.3 262.3



#60
Isopropylbenzene
Concen: 0.036 ug/L
RT: 10.448 min Scan# 2926
Delta R.T. 0.518 min
Lab File: VV026358.D
Acq: 17 Jun 2022 01:40

Tgt Ion:105 Resp: 1416
Ion Ratio Lower Upper
105 100
120 12.0 21.5 32.3#
77 0.0 12.2 18.4#

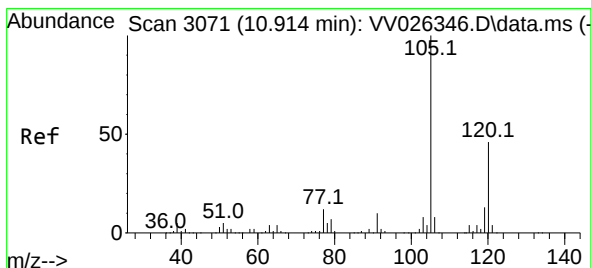
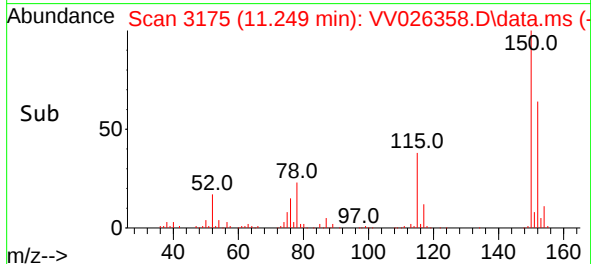
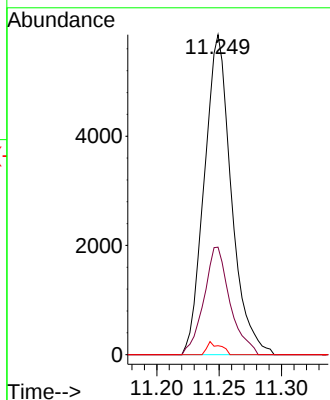
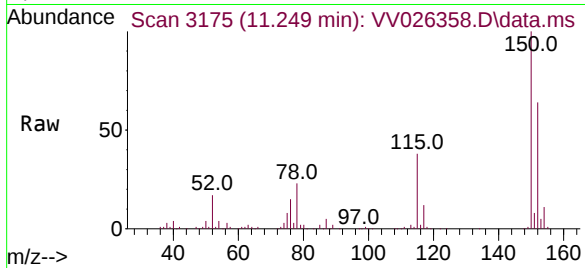




#61
1,2,3-Trichloropropane
Concen: 1.829 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV026358.D
Acq: 17 Jun 2022 01:40

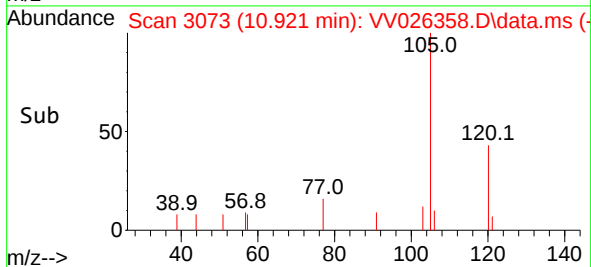
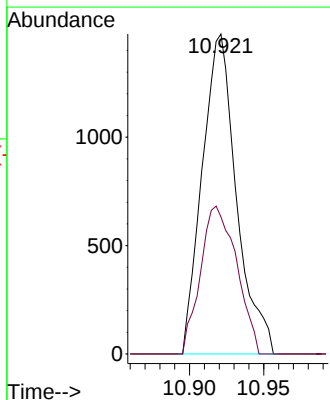
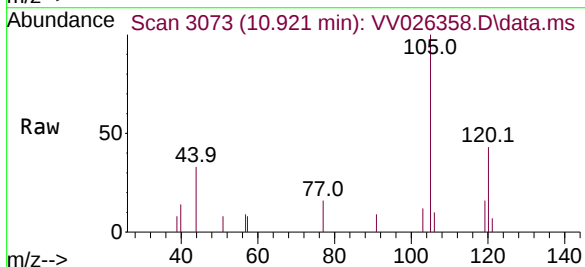
Instrument :
MSVOA_V
ClientSampleId :
BGJ74

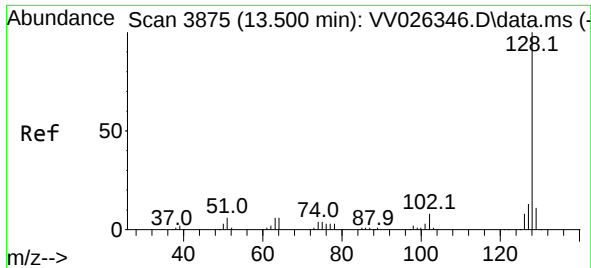
Tgt Ion: 75 Resp: 8827
Ion Ratio Lower Upper
75 100
77 32.5 26.9 40.3
110 2.0 30.7 46.1#



#63
1,2,4-Trimethylbenzene
Concen: 0.076 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.007 min
Lab File: VV026358.D
Acq: 17 Jun 2022 01:40

Tgt Ion: 105 Resp: 2366
Ion Ratio Lower Upper
105 100
120 48.8 36.9 55.3





#71

Naphthalene

Concen: 0.057 ug/L

RT: 13.519 min Scan# 3881

Delta R.T. 0.019 min

Lab File: VV026358.D

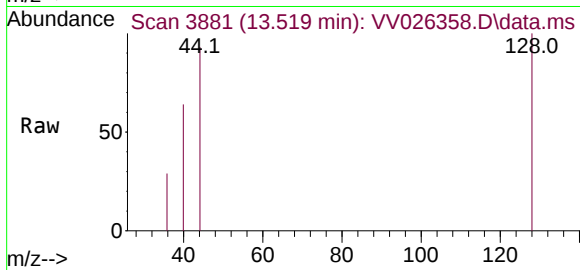
Acq: 17 Jun 2022 01:40

Instrument :

MSVOA_V

ClientSampleId :

BGJ74



Tgt Ion:	128	Resp:	819
Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.7	13.1#
127	0.0	10.6	16.0#

