

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071422\
 Data File : VW026778.D
 Acq On : 14 Jul 2022 15:31
 Operator : SY/MD
 Sample : N3704-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ5

Quant Time: Jul 15 06:43:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 15 06:40:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	219440	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	228095	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	93114	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	68910	3.442	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.800%
7) Chloroethane-d5	1.561	69	68792	3.977	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.600%
11) 1,1-Dichloroethene-d2	2.101	63	97545	2.538	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.800%#
20) 2-Butanone-d5	3.905	46	170950	54.713	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.420%
24) Chloroform-d	4.346	84	188129	5.374	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.400%
26) 1,2-Dichloroethane-d4	5.030	65	73028	4.775	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
32) Benzene-d6	5.047	84	261155	3.768	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.400%
36) 1,2-Dichloropropane-d6	6.069	67	93220	4.486	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.800%
41) Toluene-d8	7.313	98	188756	3.068	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	61.400%#
43) trans-1,3-Dichloroprop...	7.625	79	23384	3.439	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.800%
46) 2-Hexanone-d5	8.088	63	135079	45.887	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.780%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	74156	4.581	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	76918	4.741	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	2867	0.107	ug/L	97
6) Bromomethane	1.516	94	1104	0.068	ug/L	87
8) Chloroethane	1.513	64	40160	2.501	ug/L #	50
13) Acetone	2.191	43	14106	5.366	ug/L #	57
14) Carbon disulfide	2.288	76	6290	0.111	ug/L	95
15) Methyl Acetate	2.191	43	14106	2.653	ug/L #	50
17) Methyl tert-butyl Ether	2.773	73	2084	0.063	ug/L #	91
22) cis-1,2-Dichloroethene	3.912	96	11357	0.637	ug/L	97
25) Chloroform	4.368	83	725403	21.447	ug/L	98
31) Carbon tetrachloride	4.821	117	1486	0.055	ug/L #	47
34) Trichloroethene	5.915	95	5464	0.292	ug/L	91
35) Methylcyclohexane	6.069	83	23011	0.804	ug/L #	20
37) 1,2-Dichloropropane	6.066	63	9541	0.523	ug/L #	88
38) Bromodichloromethane	6.506	83	156114	6.567	ug/L	98
47) Tetrachloroethene	7.972	164	53961	3.671	ug/L	98
49) Dibromochloromethane	8.246	129	68138	4.436	ug/L	97
59) Bromoform	9.731	173	22697	3.799	ug/L	95
62) 1,3,5-Trimethylbenzene	10.931	105	8098	0.175	ug/L #	28
63) 1,2,4-Trimethylbenzene	10.931	105	8098	0.173	ug/L #	30

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jul 15 06:40:32 2022
Response via : Initial Calibration

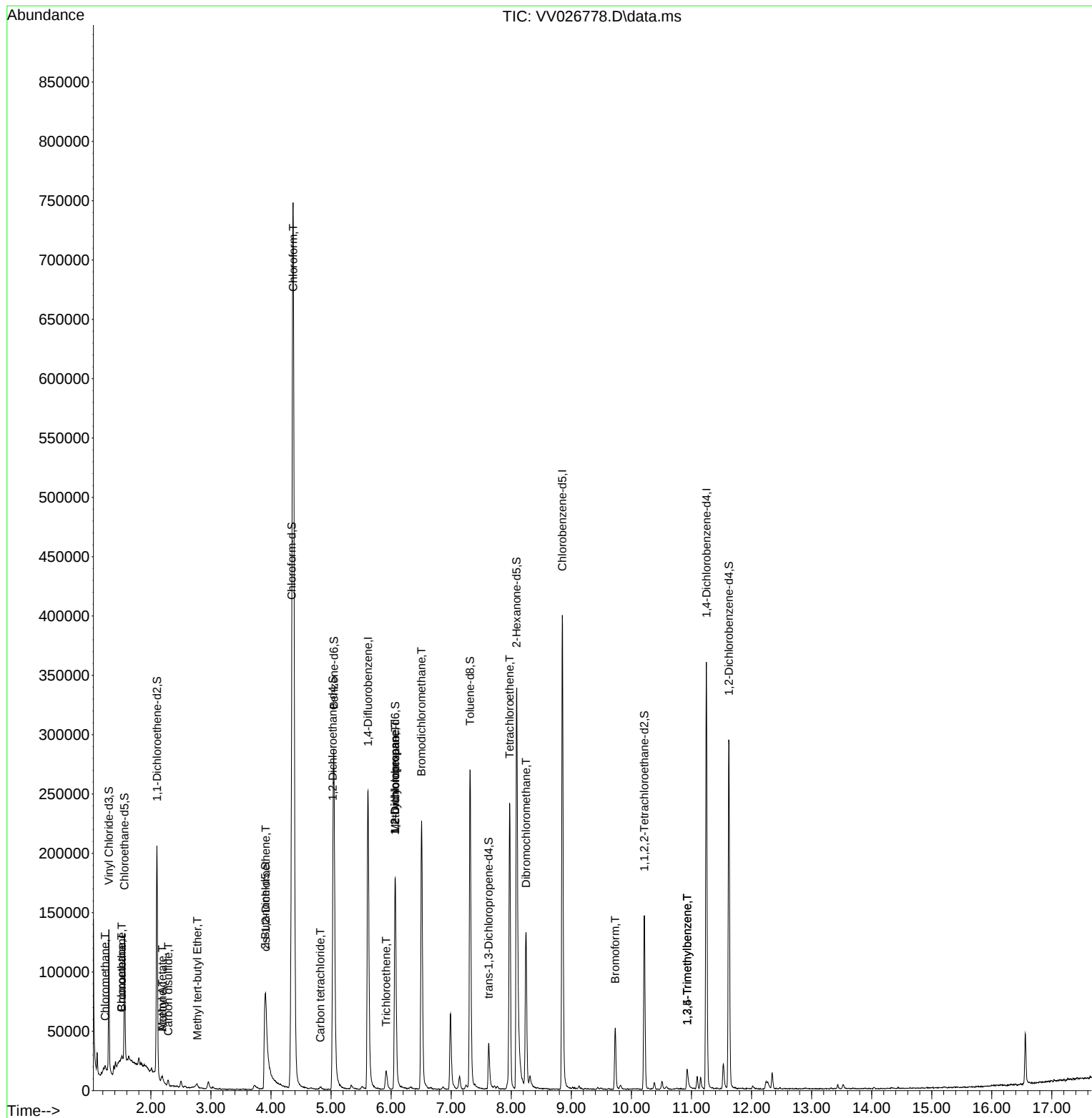
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

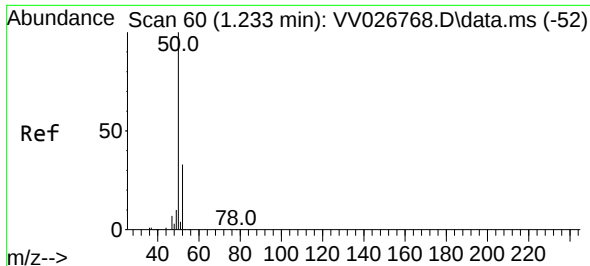
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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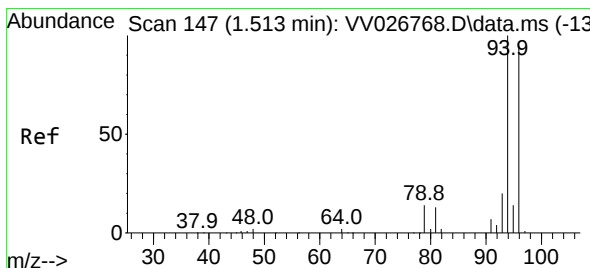
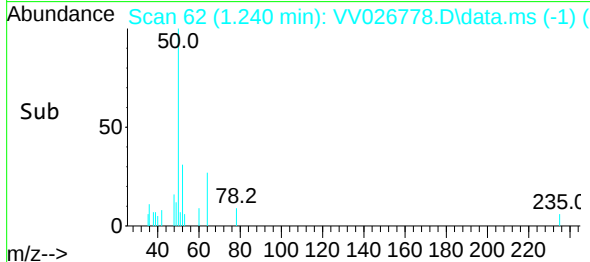
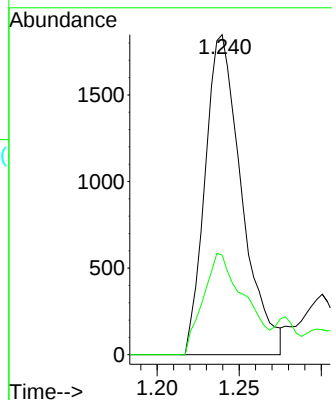
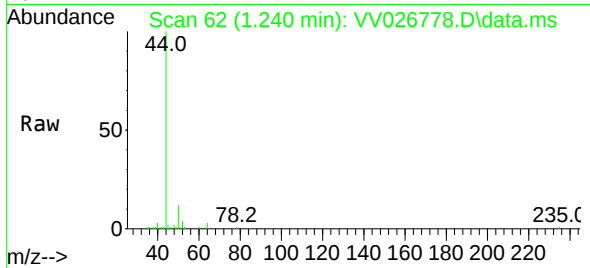




#3
Chloromethane
Concen: 0.107 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.006 min
Lab File: VV026778.D
Acq: 14 Jul 2022 15:31

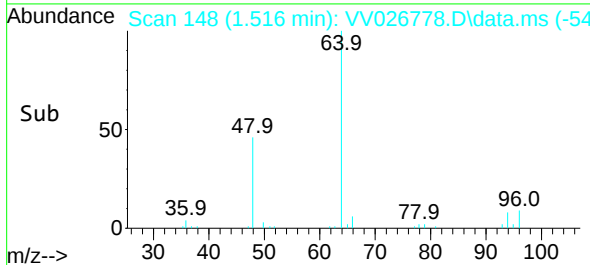
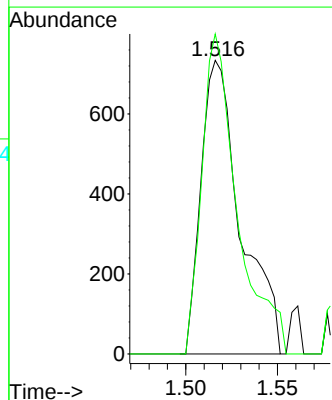
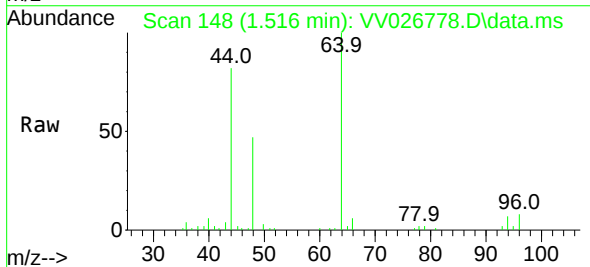
Instrument :
MSVOA_V
ClientSampleId :
C0AJ5

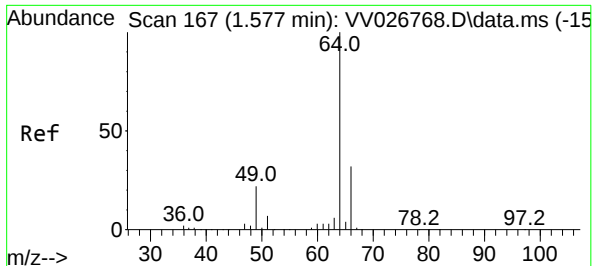
Tgt Ion: 50 Resp: 2867
Ion Ratio Lower Upper
50 100
52 31.2 22.8 42.4



#6
Bromomethane
Concen: 0.068 ug/L
RT: 1.516 min Scan# 148
Delta R.T. 0.003 min
Lab File: VV026778.D
Acq: 14 Jul 2022 15:31

Tgt Ion: 94 Resp: 1104
Ion Ratio Lower Upper
94 100
96 109.0 67.1 124.7

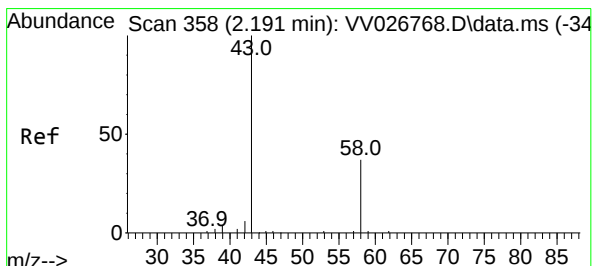
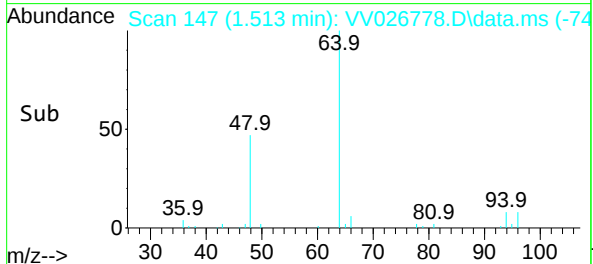
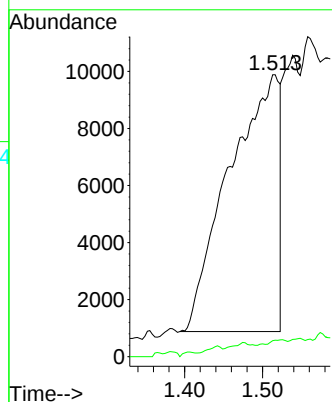
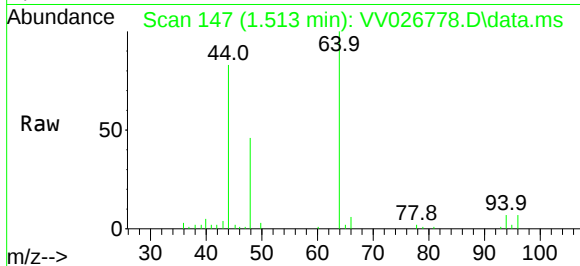




#8
Chloroethane
Concen: 2.501 ug/L
RT: 1.513 min Scan# 14
Delta R.T. -0.064 min
Lab File: VV026778.D
Acq: 14 Jul 2022 15:31

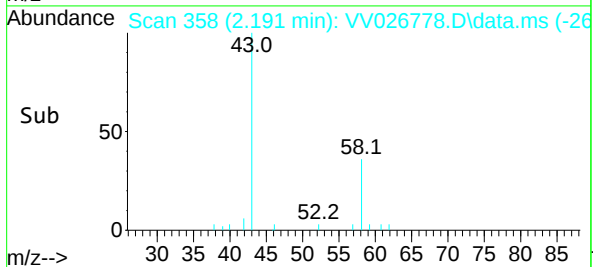
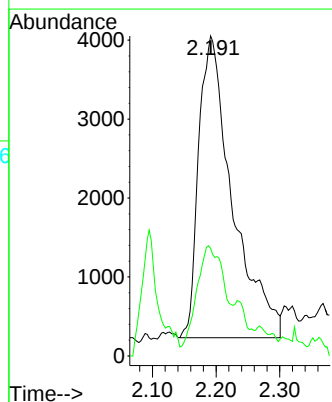
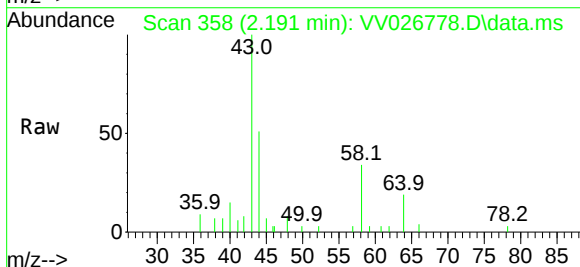
Instrument :
MSVOA_V
ClientSampleId :
C0AJ5

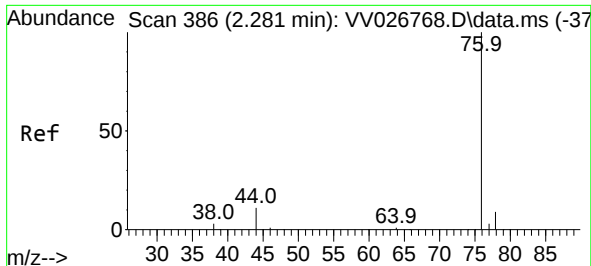
Tgt Ion: 64 Resp: 40160
Ion Ratio Lower Upper
64 100
66 5.7 23.9 44.5#



#13
Acetone
Concen: 5.366 ug/L
RT: 2.191 min Scan# 358
Delta R.T. -0.000 min
Lab File: VV026778.D
Acq: 14 Jul 2022 15:31

Tgt Ion: 43 Resp: 14106
Ion Ratio Lower Upper
43 100
58 26.3 0.0 20.6#

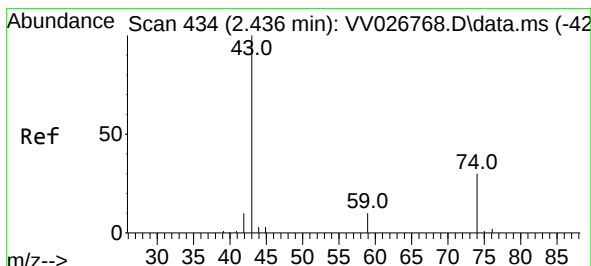
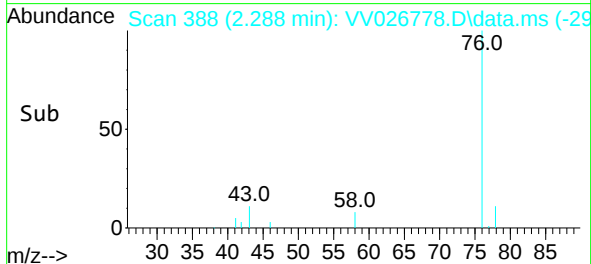
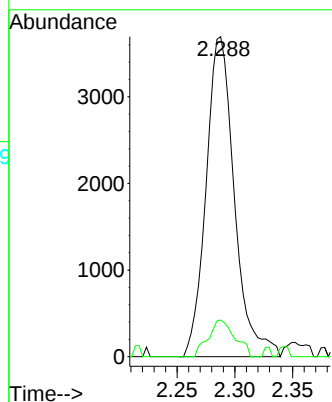
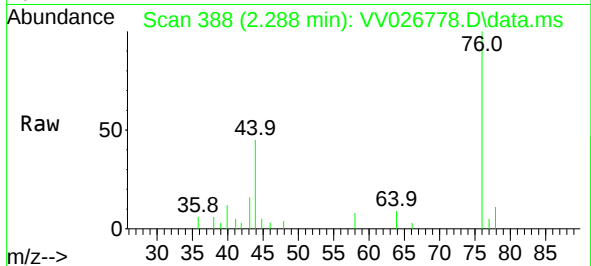




#14
Carbon disulfide
Concen: 0.111 ug/L
RT: 2.288 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV026778.D
Acq: 14 Jul 2022 15:31

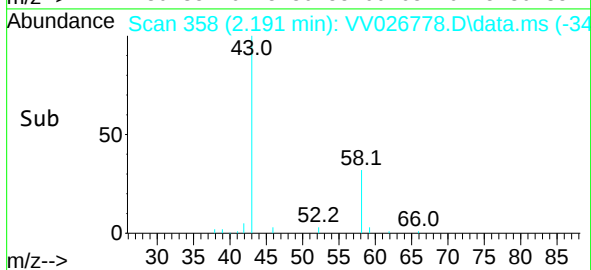
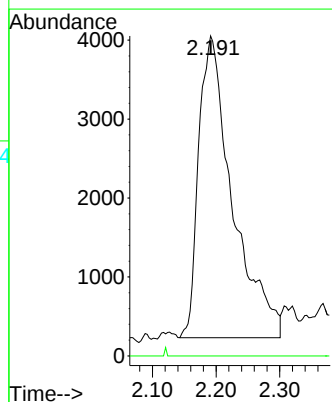
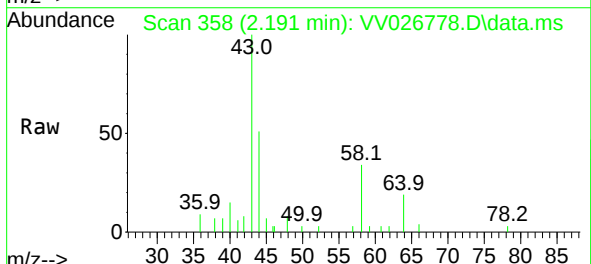
Instrument :
MSVOA_V
ClientSampleId :
C0AJ5

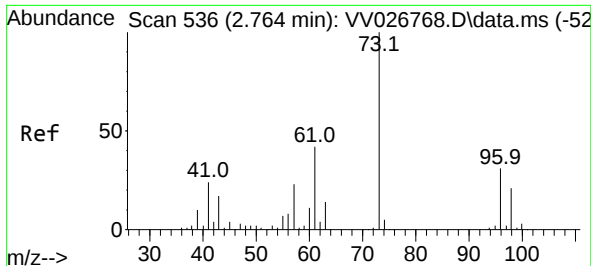
Tgt Ion: 76 Resp: 6290
Ion Ratio Lower Upper
76 100
78 11.5 7.7 11.5



#15
Methyl Acetate
Concen: 2.653 ug/L
RT: 2.191 min Scan# 358
Delta R.T. -0.244 min
Lab File: VV026778.D
Acq: 14 Jul 2022 15:31

Tgt Ion: 43 Resp: 14106
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#

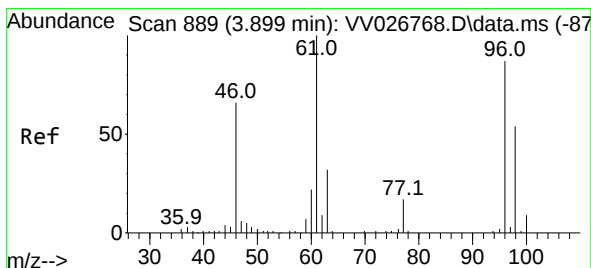
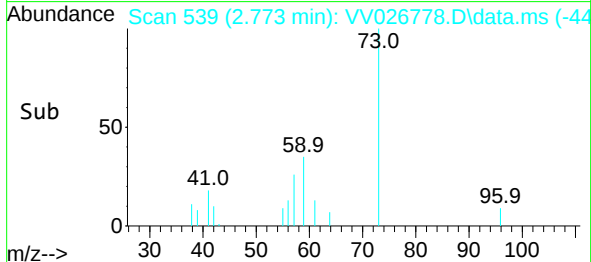
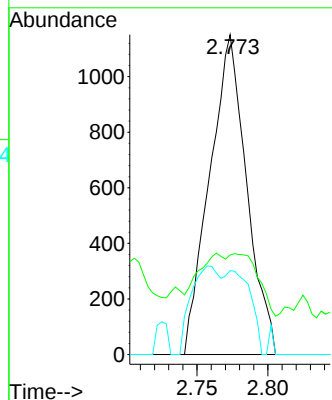
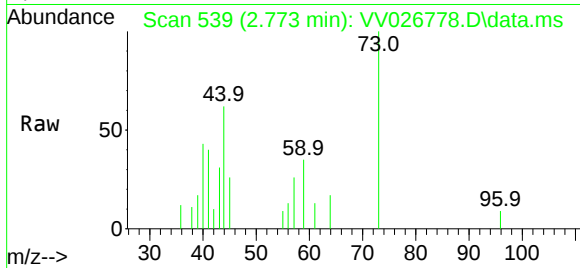




#17
Methyl tert-butyl Ether
Concen: 0.063 ug/L
RT: 2.773 min Scan# 51
Delta R.T. 0.010 min
Lab File: VV026778.D
Acq: 14 Jul 2022 15:31

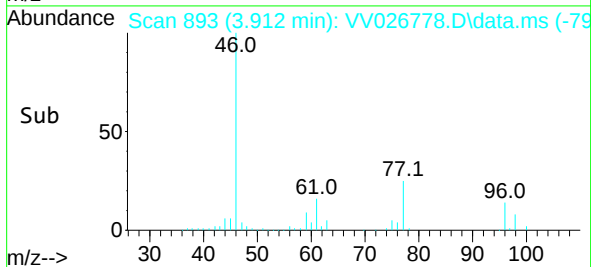
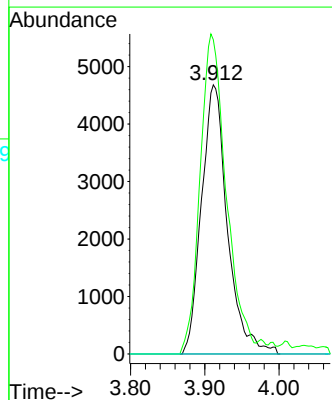
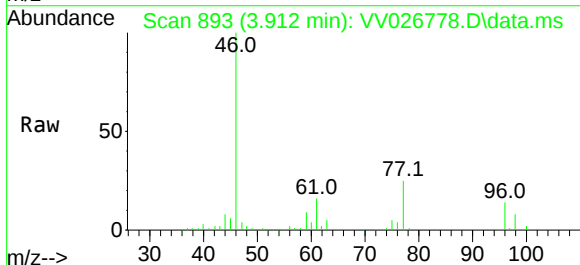
Instrument :
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ClientSampleId :
C0AJ5

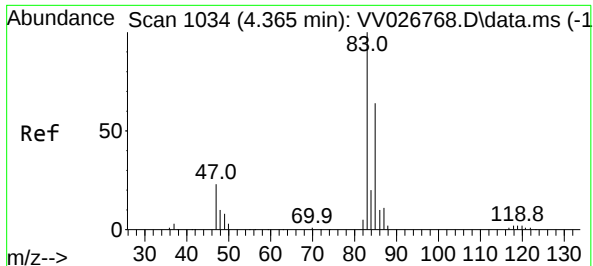
Tgt Ion: 73 Resp: 2084
Ion Ratio Lower Upper
73 100
43 8.7 14.0 21.0#
57 21.9 17.6 26.4



#22
cis-1,2-Dichloroethene
Concen: 0.637 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.013 min
Lab File: VV026778.D
Acq: 14 Jul 2022 15:31

Tgt Ion: 96 Resp: 11357
Ion Ratio Lower Upper
96 100
61 116.8 83.9 155.9
68 0.0 0.0 0.0





#25

Chloroform

Concen: 21.447 ug/L

RT: 4.368 min Scan# 110

Delta R.T. 0.003 min

Lab File: VV026778.D

Acq: 14 Jul 2022 15:31

Instrument :

MSVOA_V

ClientSampleId :

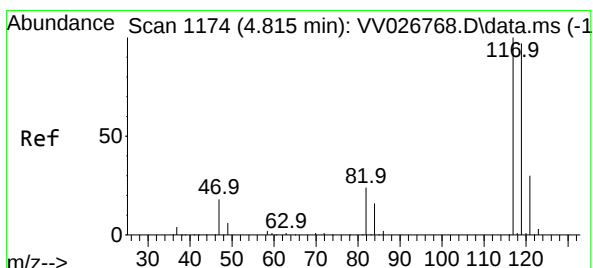
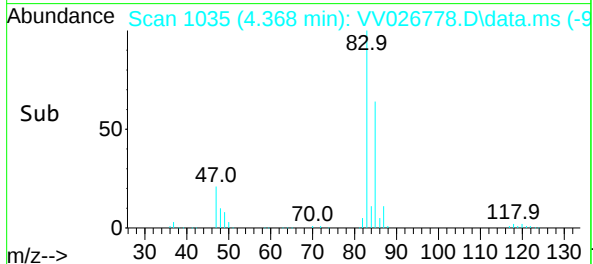
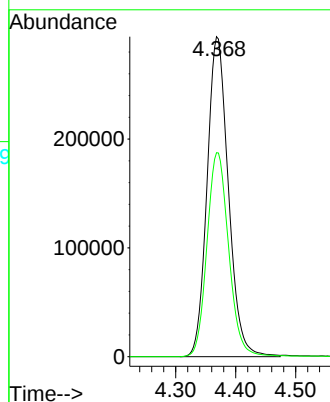
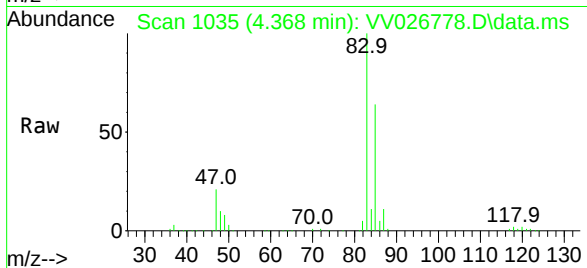
C0AJ5

Tgt Ion: 83 Resp: 725403

Ion Ratio Lower Upper

83 100

85 63.8 45.7 84.9



#31

Carbon tetrachloride

Concen: 0.055 ug/L

RT: 4.821 min Scan# 1176

Delta R.T. 0.006 min

Lab File: VV026778.D

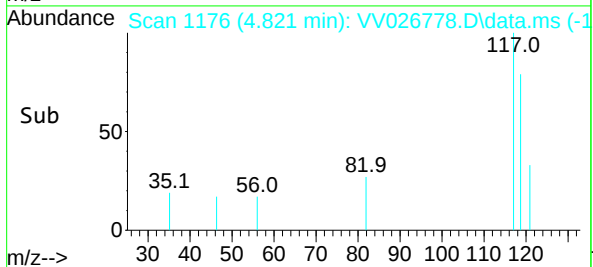
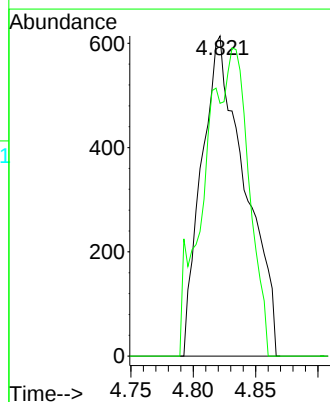
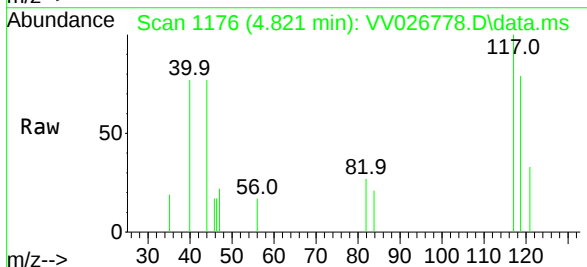
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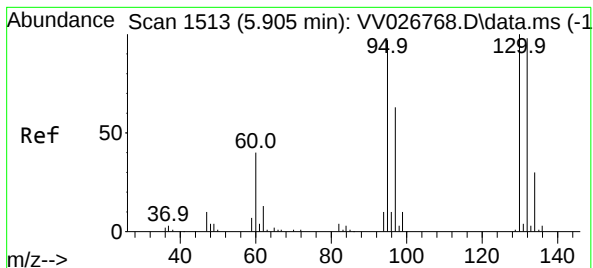
Tgt Ion: 117 Resp: 1486

Ion Ratio Lower Upper

117 100

119 42.7 75.1 112.7#





#34

Trichloroethene

Concen: 0.292 ug/L

RT: 5.915 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV026778.D

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Instrument :

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ClientSampleId :

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Tgt Ion: 95 Resp: 5464

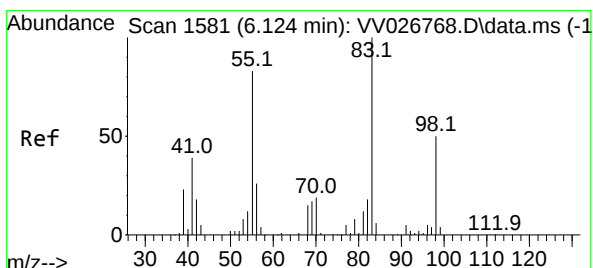
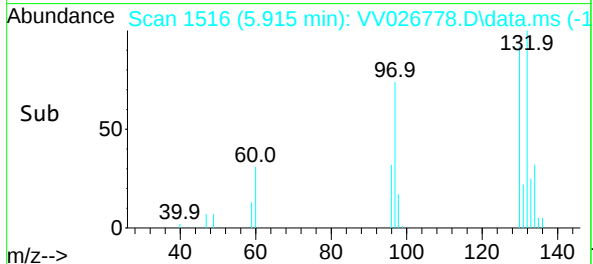
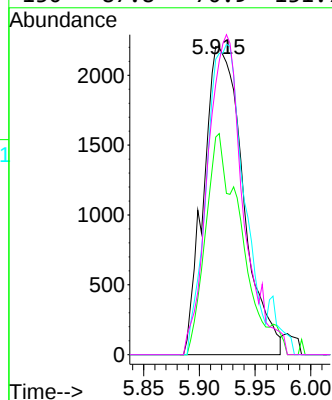
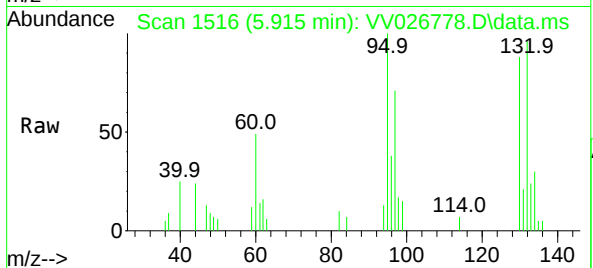
Ion Ratio Lower Upper

95 100

97 70.6 44.6 82.8

132 95.9 70.2 130.4

130 87.8 70.9 131.7



#35

Methylcyclohexane

Concen: 0.804 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.055 min

Lab File: VV026778.D

Acq: 14 Jul 2022 15:31

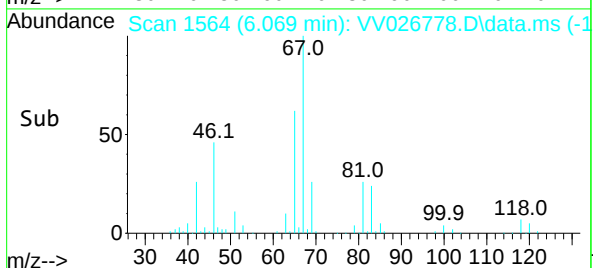
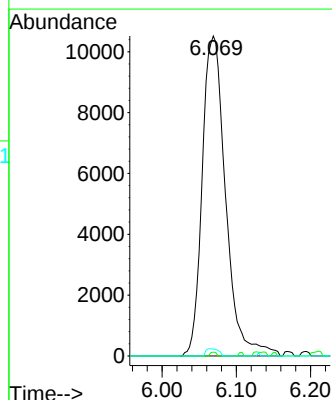
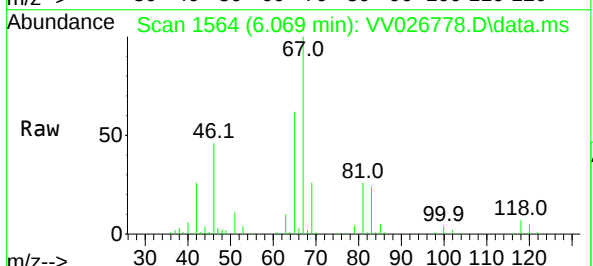
Tgt Ion: 83 Resp: 23011

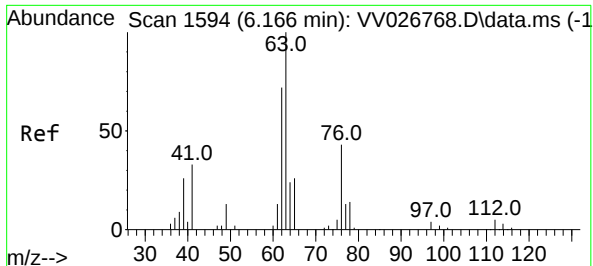
Ion Ratio Lower Upper

83 100

55 0.3 59.5 89.3#

98 1.2 38.3 57.5#





#37

1,2-Dichloropropane

Concen: 0.523 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV026778.D

Acq: 14 Jul 2022 15:31

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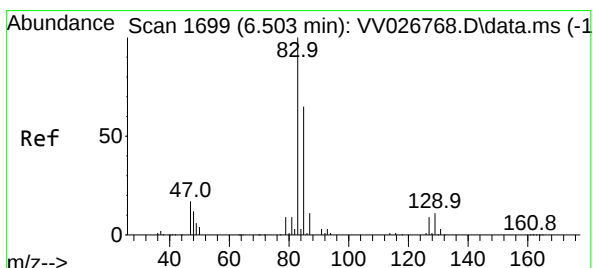
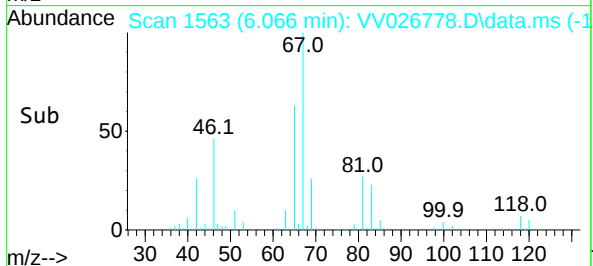
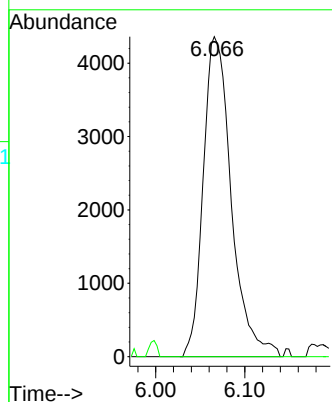
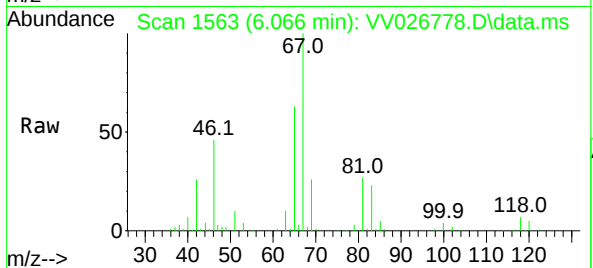
C0AJ5

Tgt Ion: 63 Resp: 9541

Ion Ratio Lower Upper

63 100

112 1.4 4.2 6.2#



#38

Bromodichloromethane

Concen: 6.567 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VV026778.D

Acq: 14 Jul 2022 15:31

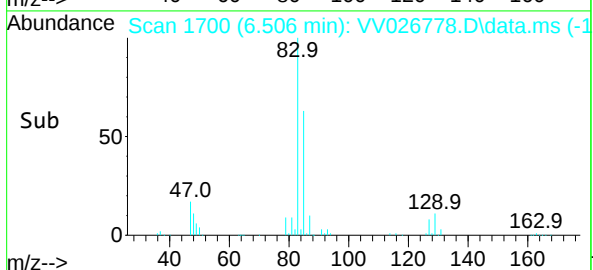
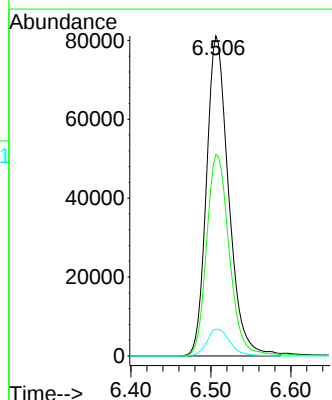
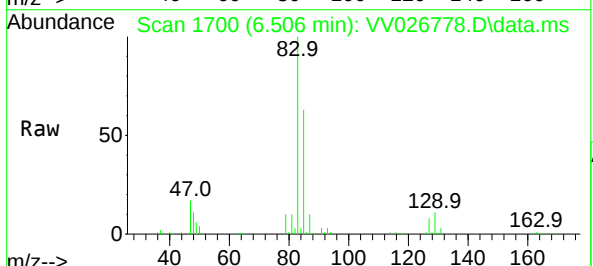
Tgt Ion: 83 Resp: 156114

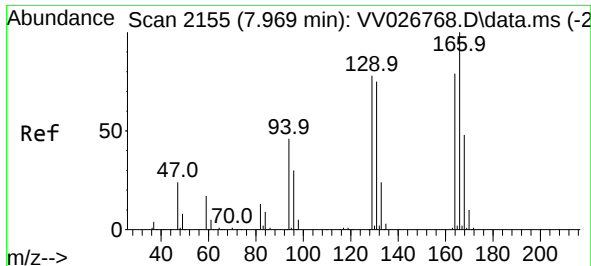
Ion Ratio Lower Upper

83 100

85 63.0 45.4 84.4

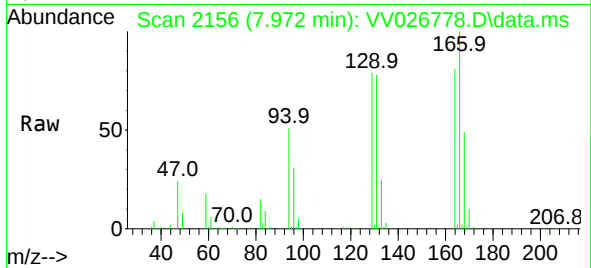
127 8.4 6.6 10.0



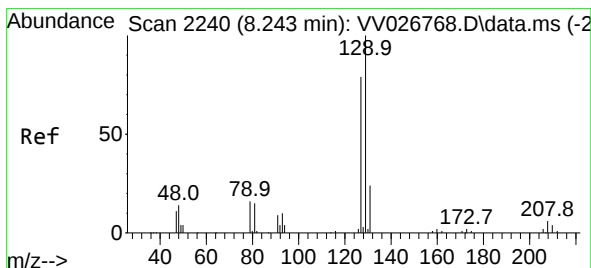
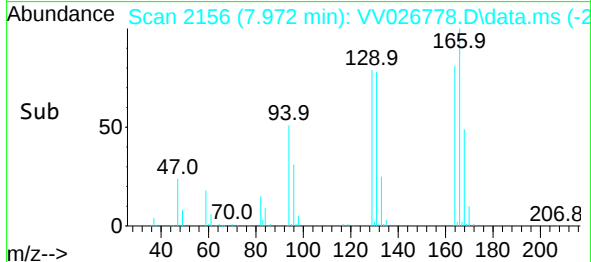
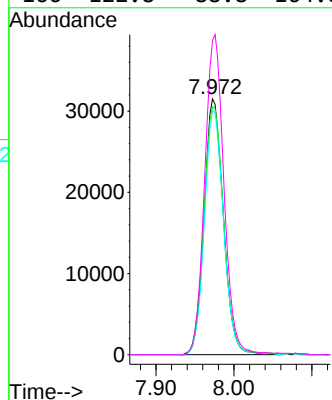


#47
Tetrachloroethene
Concen: 3.671 ug/L
RT: 7.972 min Scan# 2155
Delta R.T. 0.003 min
Lab File: VV026778.D
Acq: 14 Jul 2022 15:31

Instrument :
MSVOA_V
ClientSampleId :
C0AJ5

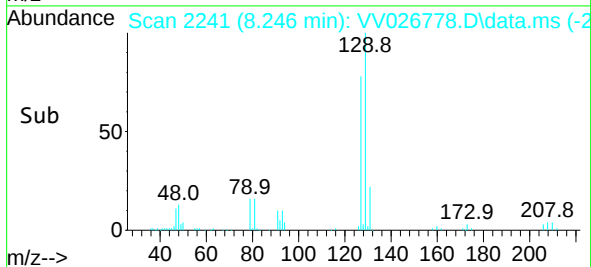
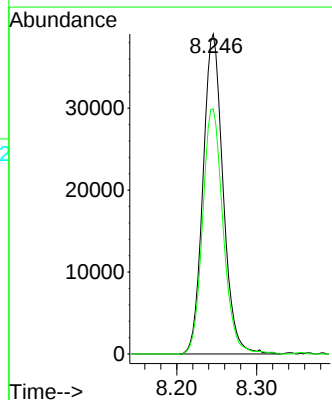
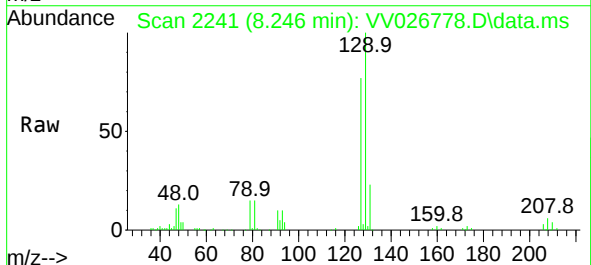


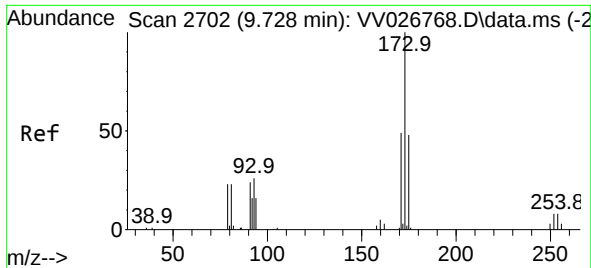
Tgt Ion:164 Resp: 53961
Ion Ratio Lower Upper
164 100
129 96.9 67.8 125.8
131 95.5 65.9 122.5
166 122.8 88.8 164.8



#49
Dibromochloromethane
Concen: 4.436 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV026778.D
Acq: 14 Jul 2022 15:31

Tgt Ion:129 Resp: 68138
Ion Ratio Lower Upper
129 100
127 76.6 55.7 103.5

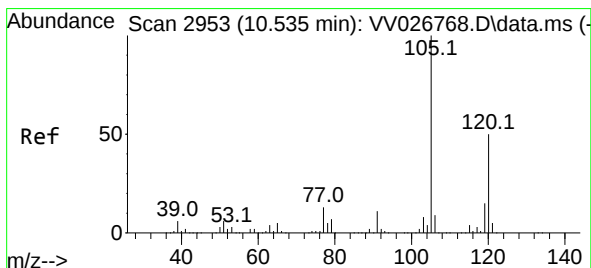
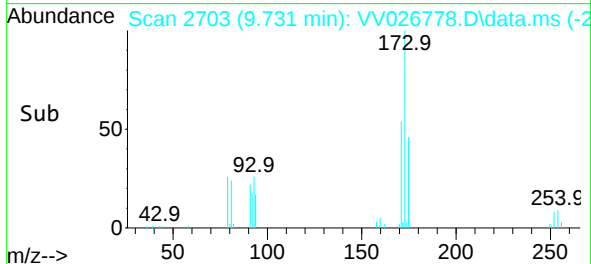
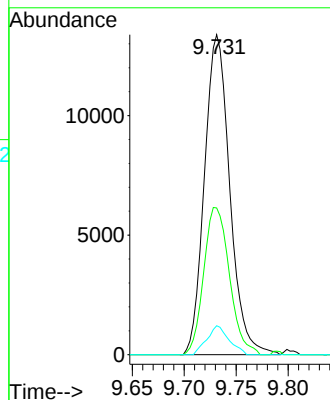
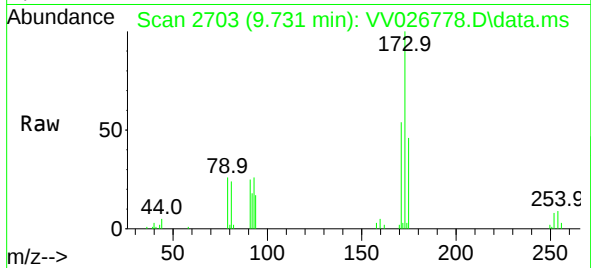




#59
Bromoform
Concen: 3.799 ug/L
RT: 9.731 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV026778.D
Acq: 14 Jul 2022 15:31

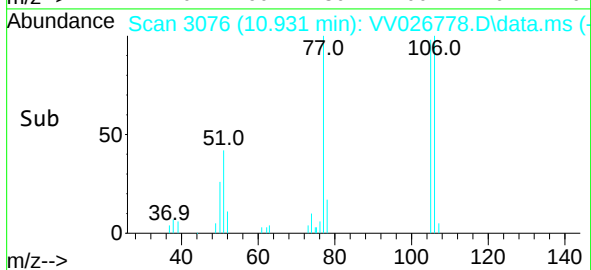
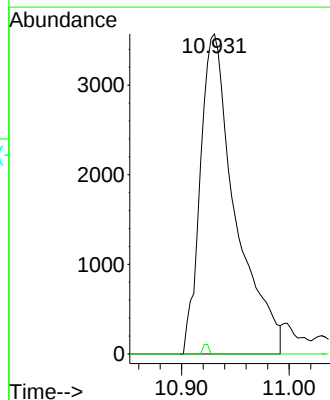
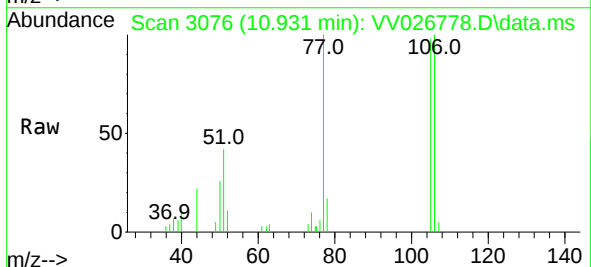
Instrument :
MSVOA_V
ClientSampleId :
C0AJ5

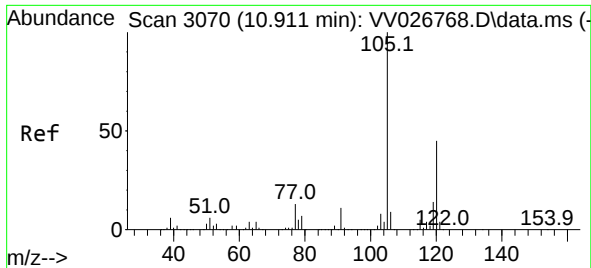
Tgt Ion:173 Resp: 22697
Ion Ratio Lower Upper
173 100
175 46.7 40.7 61.1
254 7.9 6.5 9.7



#62
1,3,5-Trimethylbenzene
Concen: 0.175 ug/L
RT: 10.931 min Scan# 3076
Delta R.T. 0.395 min
Lab File: VV026778.D
Acq: 14 Jul 2022 15:31

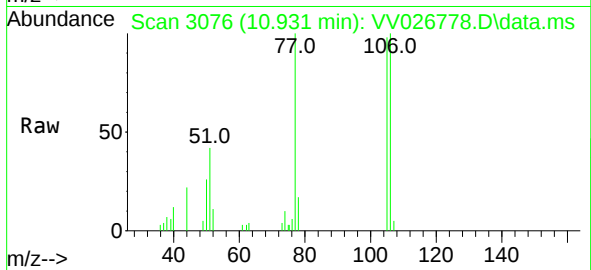
Tgt Ion:105 Resp: 8098
Ion Ratio Lower Upper
105 100
120 0.0 39.6 59.4#





#63
1,2,4-Trimethylbenzene
Concen: 0.173 ug/L
RT: 10.931 min Scan# 3076
Delta R.T. 0.019 min
Lab File: VV026778.D
Acq: 14 Jul 2022 15:31

Instrument :
MSVOA_V
ClientSampleId :
C0AJ5



Tgt Ion:105 Resp: 8098
Ion Ratio Lower Upper
105 100
120 0.0 36.8 55.2#

