

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041223\
 Data File : VW030524.D
 Acq On : 12 Apr 2023 17:46
 Operator : SY/MD
 Sample : 02275-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDZ2

Quant Time: Apr 13 02:51:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 13 02:44:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	111817	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	107242	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	52839	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	47787	6.453	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	129.000%
7) Chloroethane-d5	1.536	69	36681	5.104	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.000%
11) 1,1-Dichloroethene-d2	2.066	63	121548	6.917	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	138.400%#
20) 2-Butanone-d5	3.812	46	95051	49.657	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.320%
24) Chloroform-d	4.262	84	85268	4.757	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	4.954	65	41991	4.965	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	4.970	84	147760	4.889	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
36) 1,2-Dichloropropane-d6	6.002	67	46224	4.886	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.800%
41) Toluene-d8	7.252	98	124925	4.502	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	7.564	79	16968	4.763	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.200%
46) 2-Hexanone-d5	8.034	63	70306	49.117	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.240%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	30757	4.125	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.400%
66) 1,2-Dichlorobenzene-d4	11.571	152	46941	4.970	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	1.716	101	5617	0.295	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	139884	13.295	ug/L	99
12) 1,1-Dichloroethene	2.073	96	91589	9.803	ug/L	88
14) Carbon disulfide	2.246	76	3414	0.111	ug/L #	91
17) Methyl tert-butyl Ether	2.716	73	12820	0.648	ug/L #	89
18) trans-1,2-Dichloroethene	2.703	96	2483	0.252	ug/L	92
19) 1,1-Dichloroethane	3.121	63	74414	3.900	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	1043772	105.665	ug/L	100
25) Chloroform	4.288	83	102033	5.292	ug/L	96
29) 1,1,1-Trichloroethane	4.526	97	18240	1.058	ug/L	98
31) Carbon tetrachloride	4.745	117	1559	0.100	ug/L	91
33) Benzene	5.024	78	13796	0.362	ug/L	100
34) Trichloroethene	5.844	95	3539379	344.534	ug/L	96
47) Tetrachloroethene	7.931	164	11331599	1249.849	ug/L	92
54) o-Xylene	9.490	106	5086	0.313	ug/L	96
65) 1,4-Dichlorobenzene	11.217	146	3664	0.187	ug/L	97
67) 1,2-Dichlorobenzene	11.590	146	8381	0.479	ug/L	96

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QLast Update : Thu Apr 13 02:44:31 2023
Response via : Initial Calibration

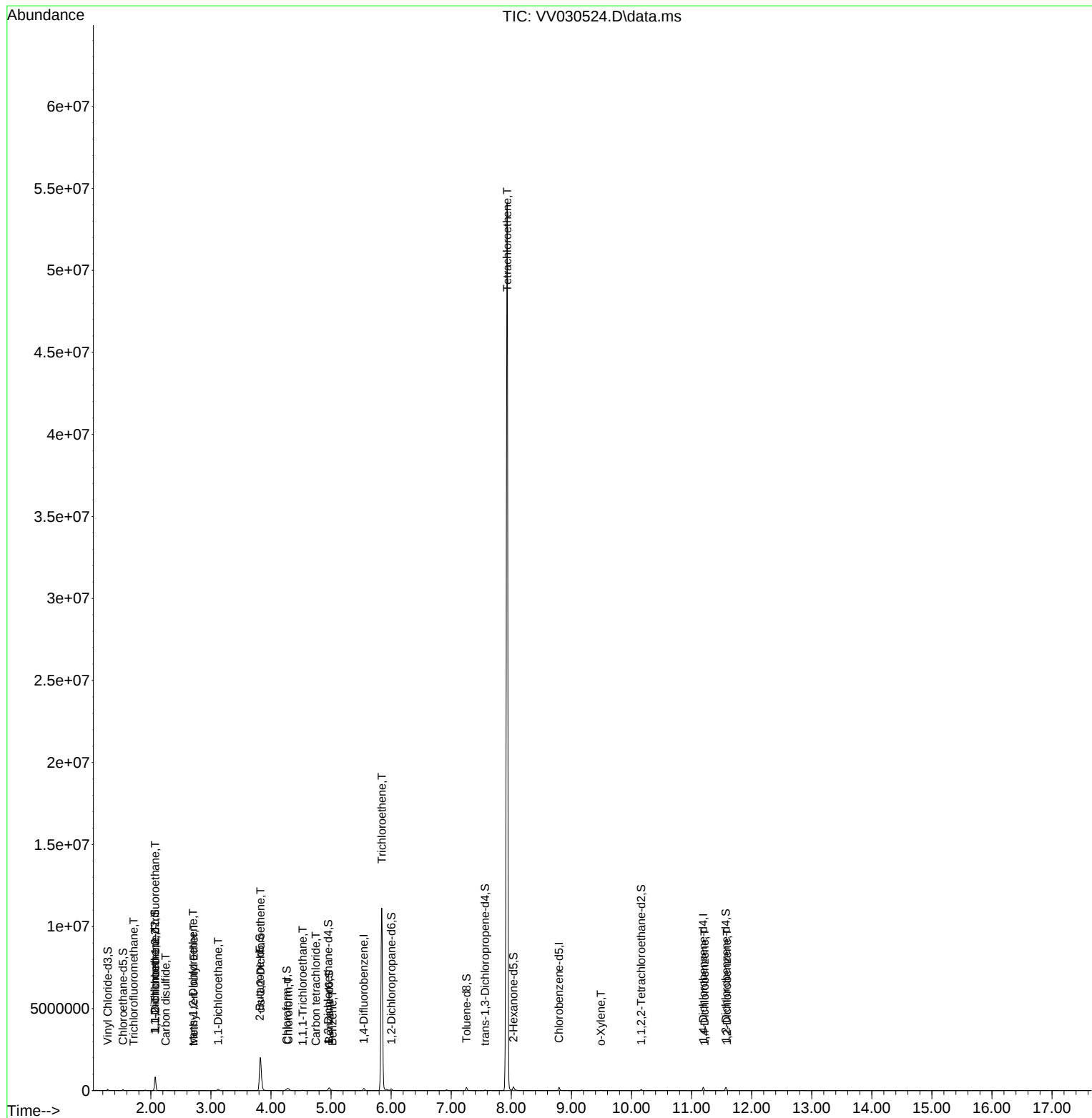
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

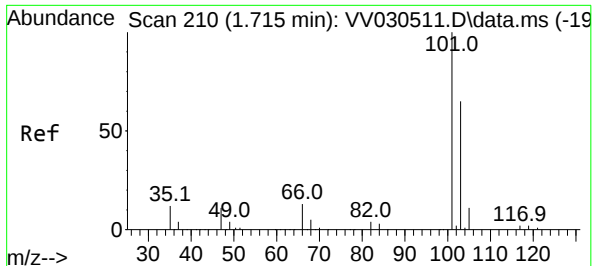
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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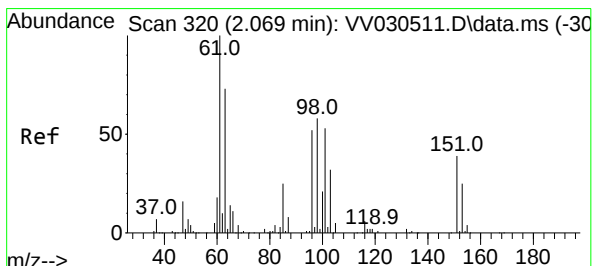
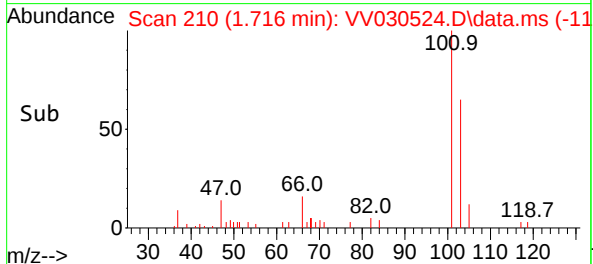
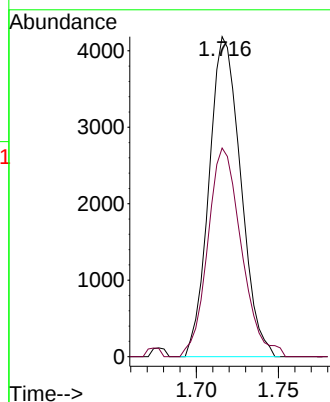
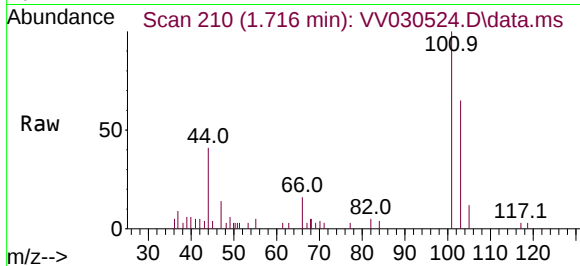




#9
 Trichlorofluoromethane
 Concen: 0.295 ug/L
 RT: 1.716 min Scan# 210
 Delta R.T. 0.000 min
 Lab File: VV030524.D
 Acq: 12 Apr 2023 17:46

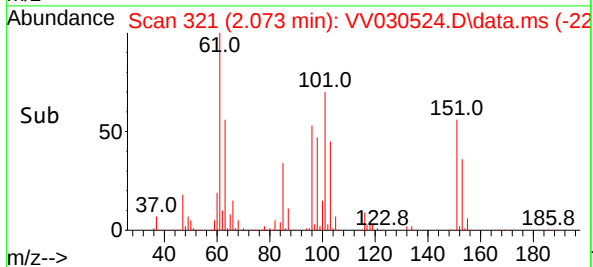
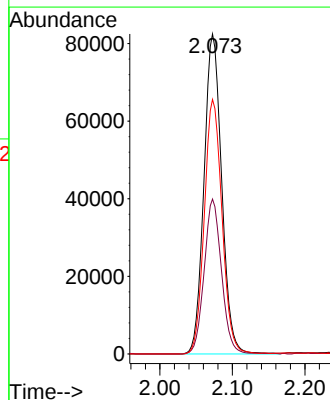
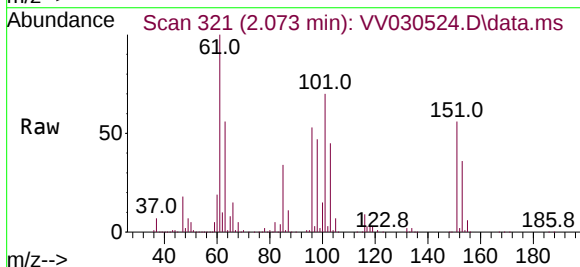
Instrument :
 MSVOA_V
 ClientSampleId :
 BHDZ2

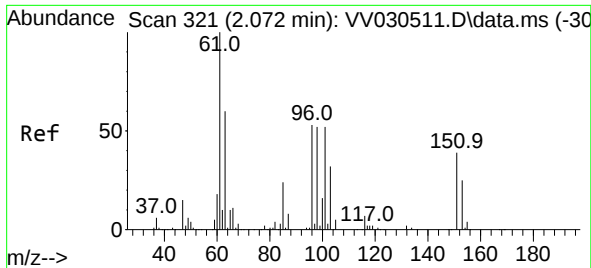
Tgt Ion:101 Resp: 5617
 Ion Ratio Lower Upper
 101 100
 103 69.1 51.0 76.6



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 13.295 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.003 min
 Lab File: VV030524.D
 Acq: 12 Apr 2023 17:46

Tgt Ion:101 Resp: 139884
 Ion Ratio Lower Upper
 101 100
 85 47.4 38.1 57.1
 151 79.6 62.7 94.1

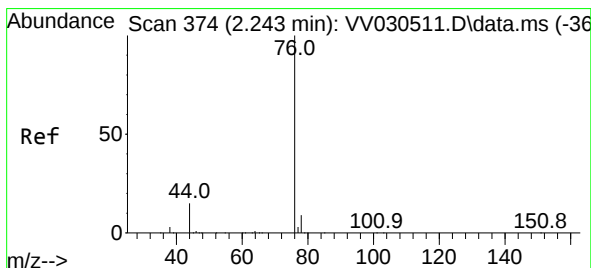
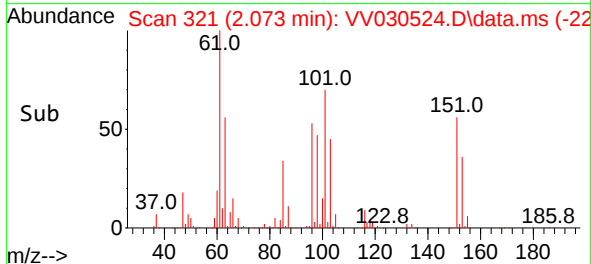
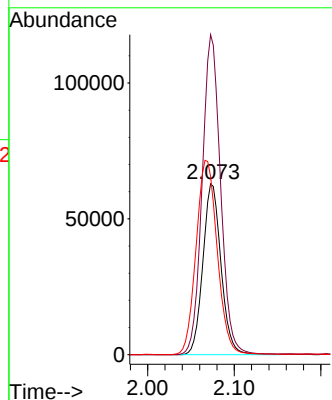
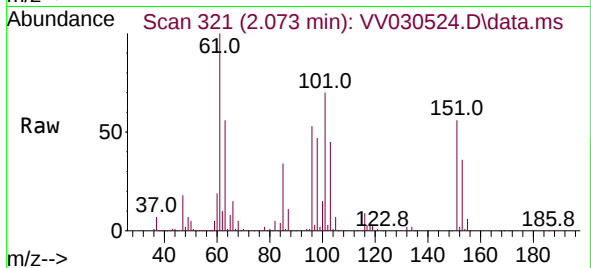




#12
 1,1-Dichloroethene
 Concen: 9.803 ug/L
 RT: 2.073 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VV030524.D
 Acq: 12 Apr 2023 17:46

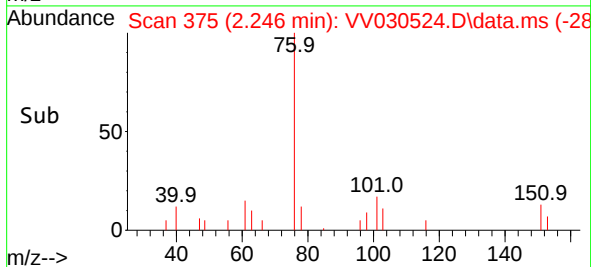
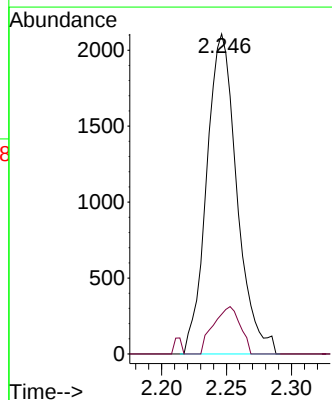
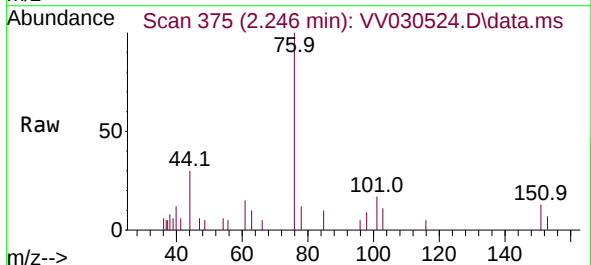
Instrument :
 MSVOA_V
 ClientSampleId :
 BHDZ2

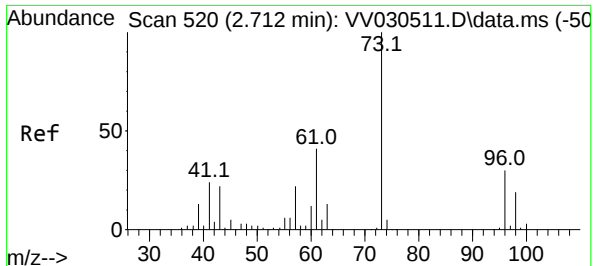
Tgt Ion: 96 Resp: 91589
 Ion Ratio Lower Upper
 96 100
 61 187.3 136.3 253.1
 63 104.3 92.1 171.1



#14
 Carbon disulfide
 Concen: 0.111 ug/L
 RT: 2.246 min Scan# 375
 Delta R.T. 0.003 min
 Lab File: VV030524.D
 Acq: 12 Apr 2023 17:46

Tgt Ion: 76 Resp: 3414
 Ion Ratio Lower Upper
 76 100
 78 12.4 7.3 10.9#





#17

Methyl tert-butyl Ether

Concen: 0.648 ug/L

RT: 2.716 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV030524.D

Acq: 12 Apr 2023 17:46

Instrument :

MSVOA_V

ClientSampleId :

BHDZ2

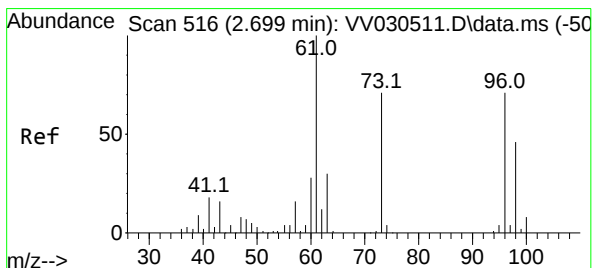
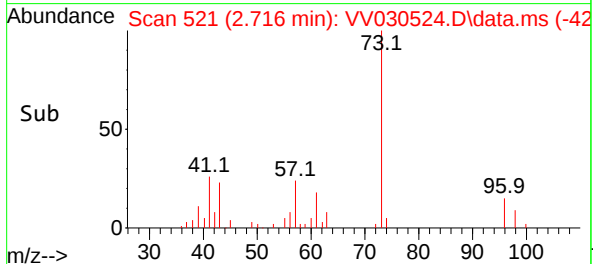
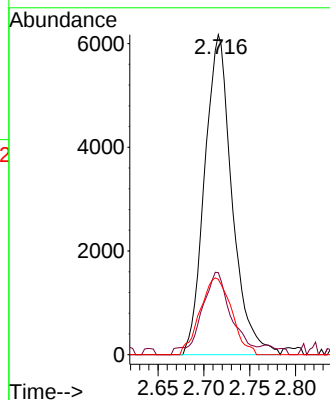
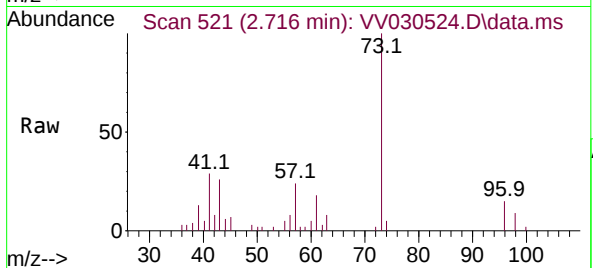
Tgt Ion: 73 Resp: 12820

Ion Ratio Lower Upper

73 100

43 27.5 17.4 26.2#

57 27.5 18.3 27.5#



#18

trans-1,2-Dichloroethene

Concen: 0.252 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV030524.D

Acq: 12 Apr 2023 17:46

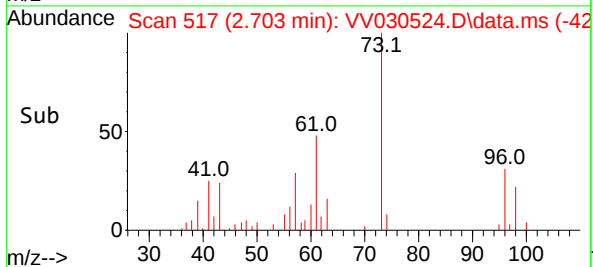
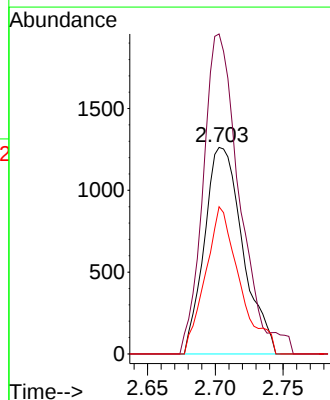
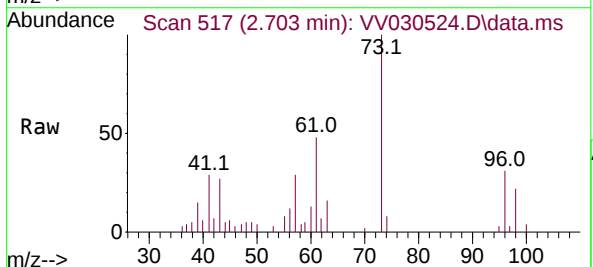
Tgt Ion: 96 Resp: 2483

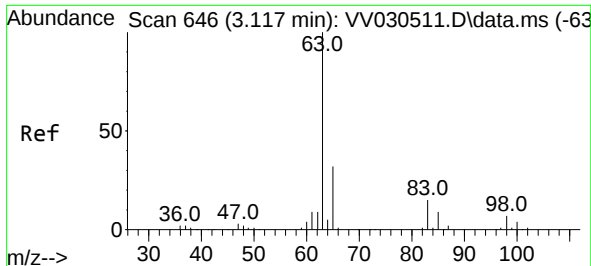
Ion Ratio Lower Upper

96 100

61 154.9 101.7 188.9

98 71.3 45.8 85.2





#19

1,1-Dichloroethane

Concen: 3.900 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030524.D

Acq: 12 Apr 2023 17:46

Instrument :

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ClientSampleId :

BHDZ2

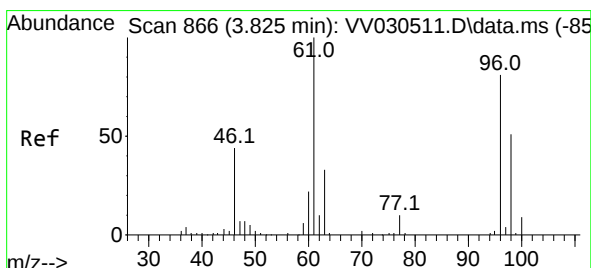
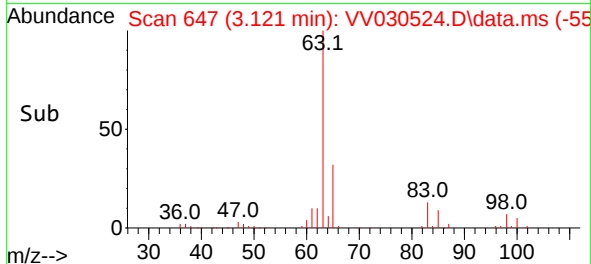
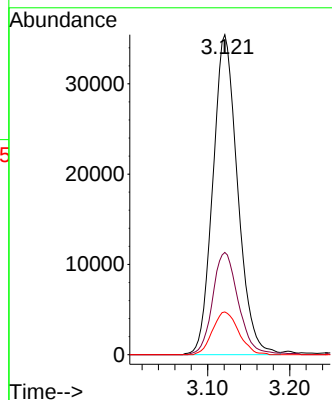
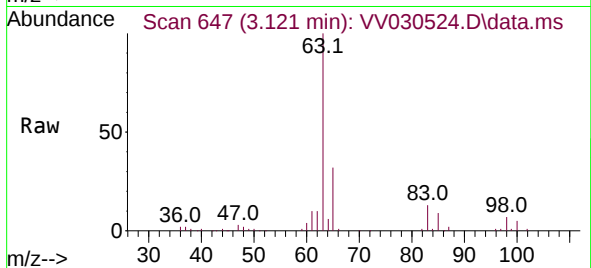
Tgt Ion: 63 Resp: 74414

Ion Ratio Lower Upper

63 100

65 32.0 21.7 40.3

83 13.3 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 105.665 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.000 min

Lab File: VV030524.D

Acq: 12 Apr 2023 17:46

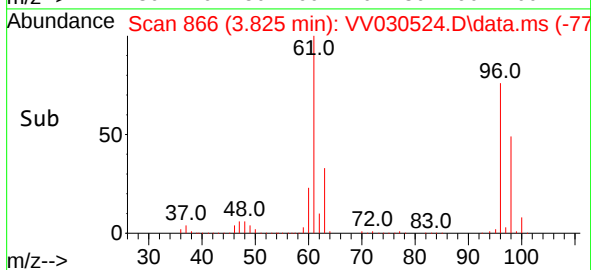
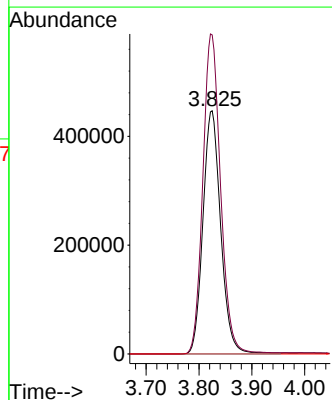
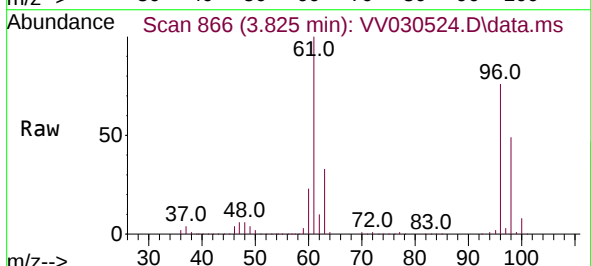
Tgt Ion: 96 Resp: 1043772

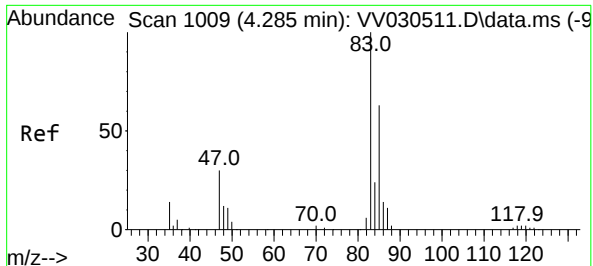
Ion Ratio Lower Upper

96 100

61 131.1 92.0 170.8

68 0.0 0.0 0.0





#25

Chloroform

Concen: 5.292 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV030524.D

Acq: 12 Apr 2023 17:46

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ClientSampleId :

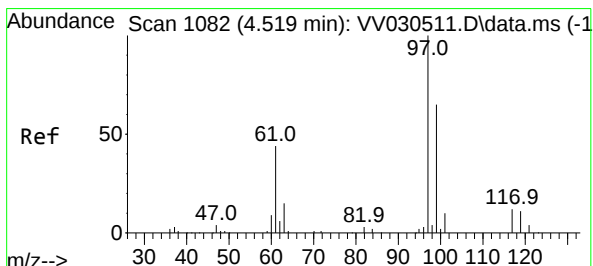
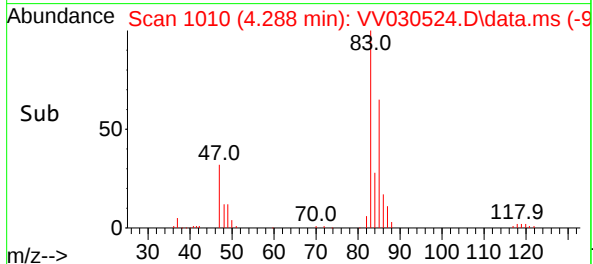
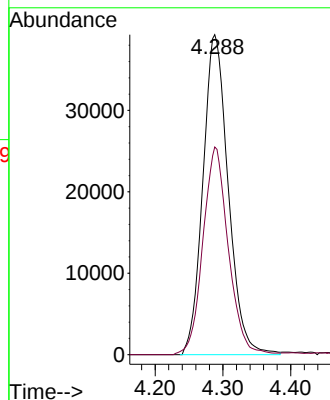
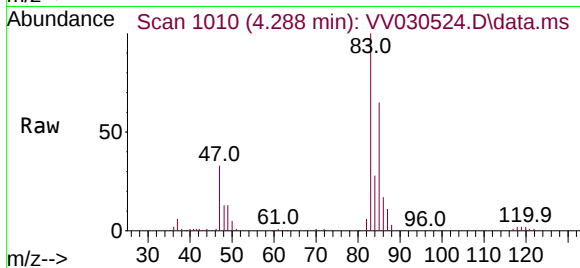
BHDZ2

Tgt Ion: 83 Resp: 102033

Ion Ratio Lower Upper

83 100

85 64.9 47.6 88.4



#29

1,1,1-Trichloroethane

Concen: 1.058 ug/L

RT: 4.526 min Scan# 1084

Delta R.T. 0.007 min

Lab File: VV030524.D

Acq: 12 Apr 2023 17:46

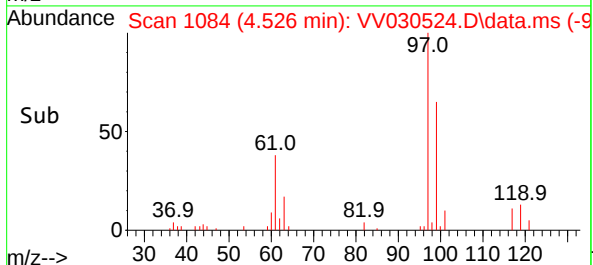
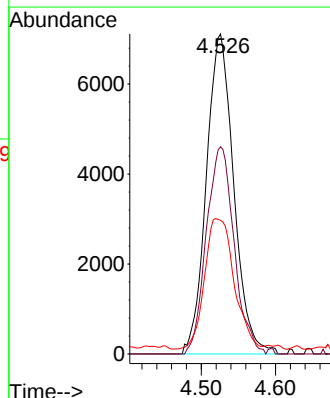
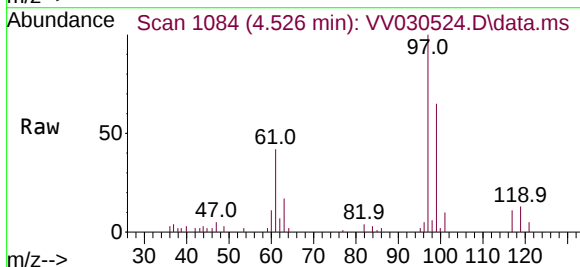
Tgt Ion: 97 Resp: 18240

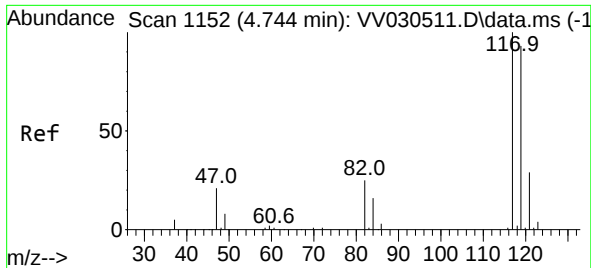
Ion Ratio Lower Upper

97 100

99 65.6 50.9 76.3

61 43.8 35.9 53.9

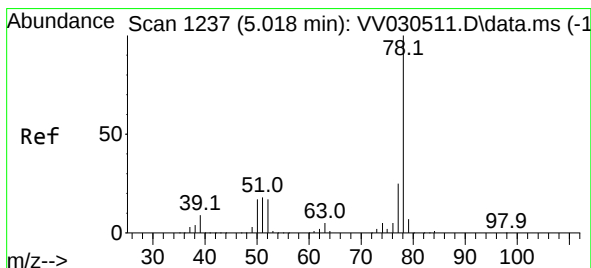
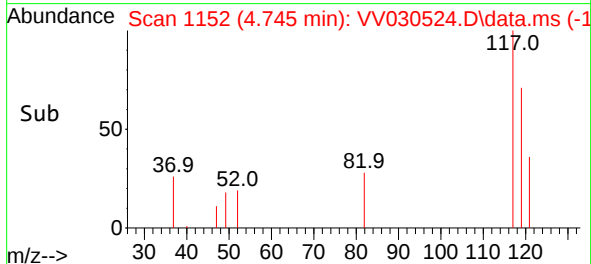
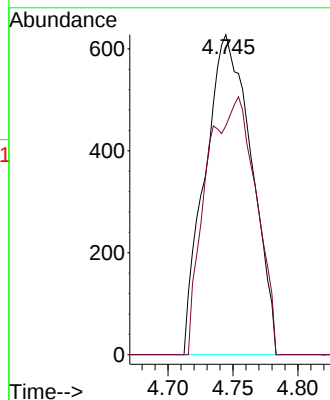
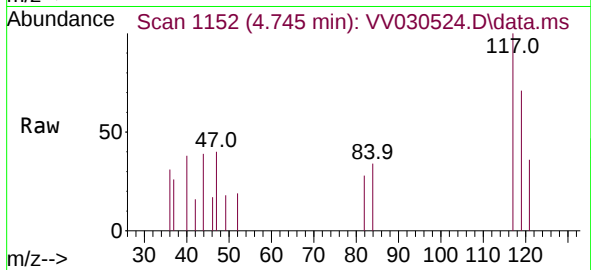




#31
Carbon tetrachloride
Concen: 0.100 ug/L
RT: 4.745 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV030524.D
Acq: 12 Apr 2023 17:46

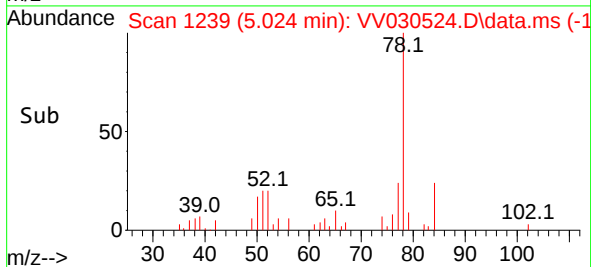
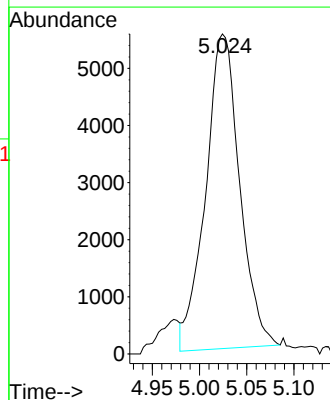
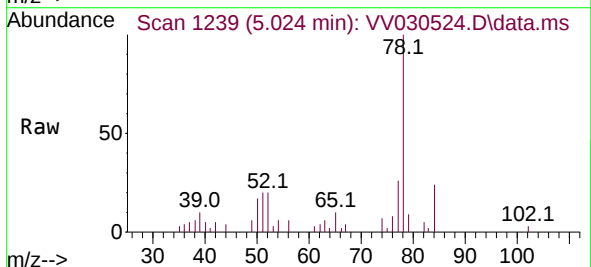
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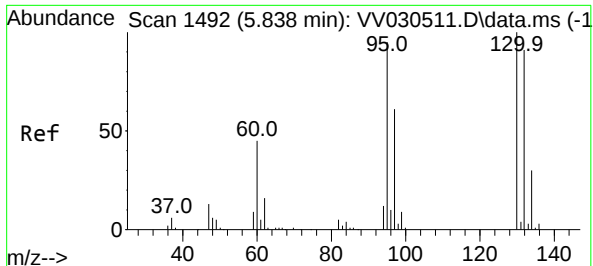
Tgt Ion:117 Resp: 1559
Ion Ratio Lower Upper
117 100
119 86.3 76.2 114.4



#33
Benzene
Concen: 0.362 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.007 min
Lab File: VV030524.D
Acq: 12 Apr 2023 17:46

Tgt Ion: 78 Resp: 13796



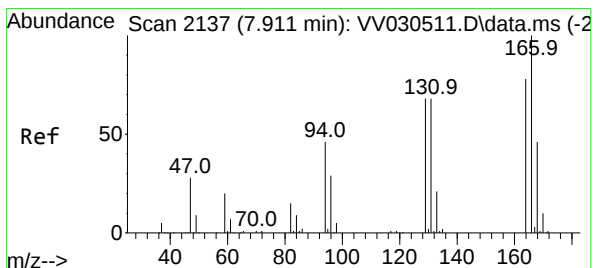
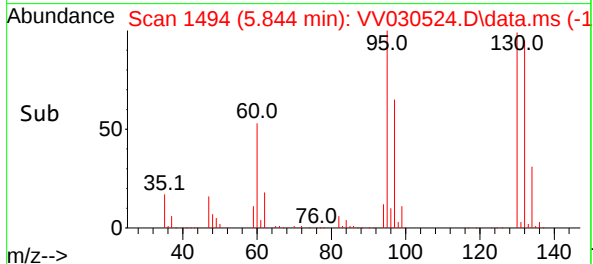
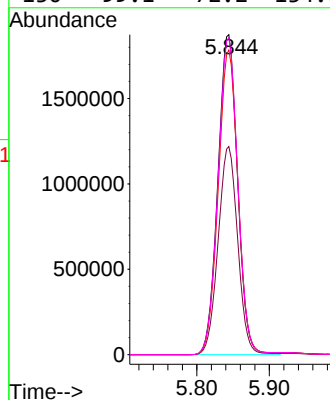
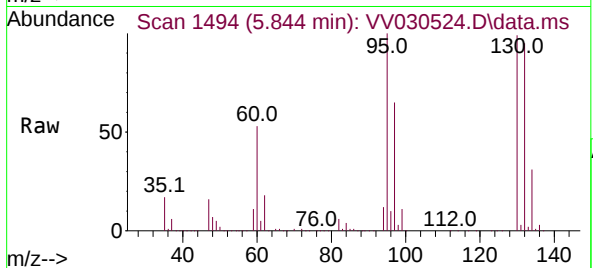


#34
Trichloroethene
Concen: 344.534 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.007 min
Lab File: VV030524.D
Acq: 12 Apr 2023 17:46

Instrument :
MSVOA_V
ClientSampleId :
BHDZ2

Tgt Ion: 95 Resp: 3539379

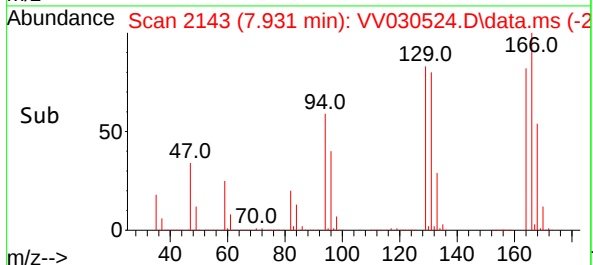
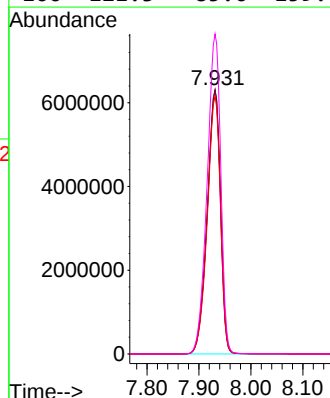
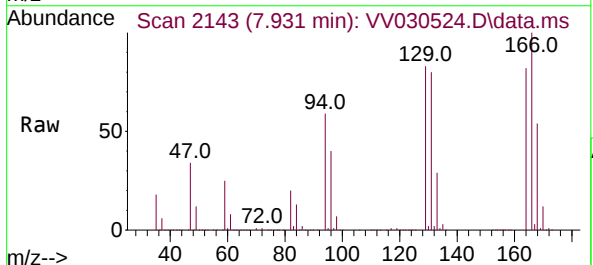
Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.2	82.2
132	95.2	69.5	129.1
130	99.1	72.2	134.0

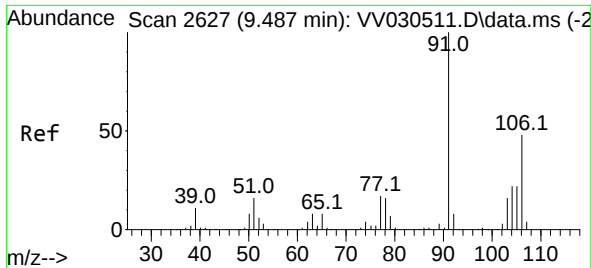


#47
Tetrachloroethene
Concen: 1249.849 ug/L
RT: 7.931 min Scan# 2143
Delta R.T. 0.019 min
Lab File: VV030524.D
Acq: 12 Apr 2023 17:46

Tgt Ion: 164 Resp: 11331599

Ion	Ratio	Lower	Upper
164	100		
129	100.1	60.8	112.8
131	97.5	61.7	114.7
166	121.3	85.6	159.0

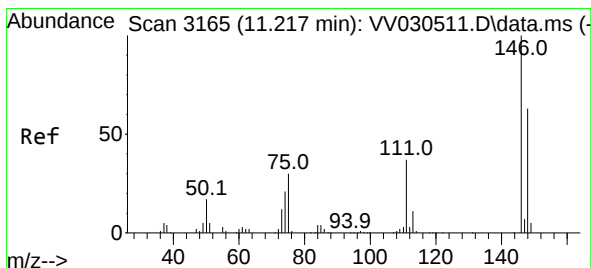
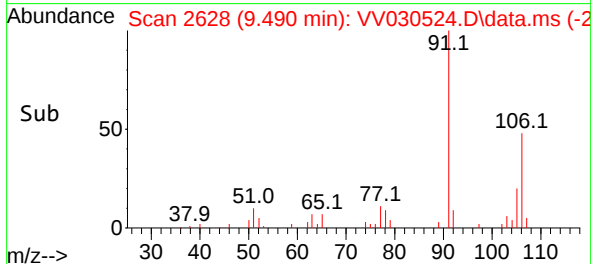
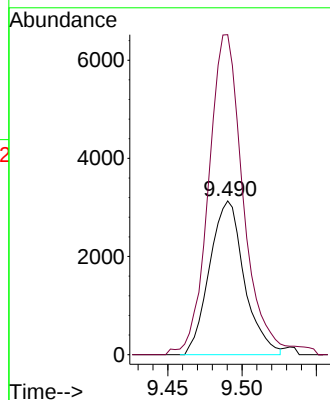
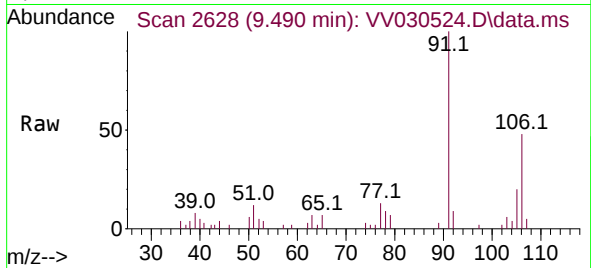




#54
o-Xylene
Concen: 0.313 ug/L
RT: 9.490 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030524.D
Acq: 12 Apr 2023 17:46

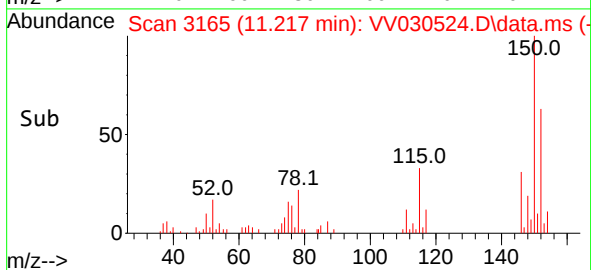
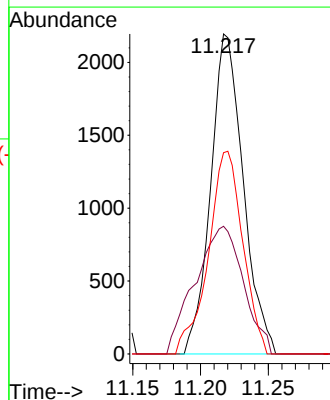
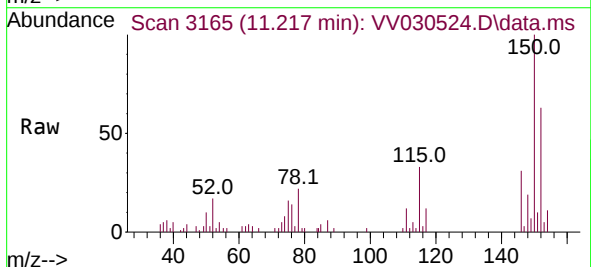
Instrument :
MSVOA_V
ClientSampleId :
BHDZ2

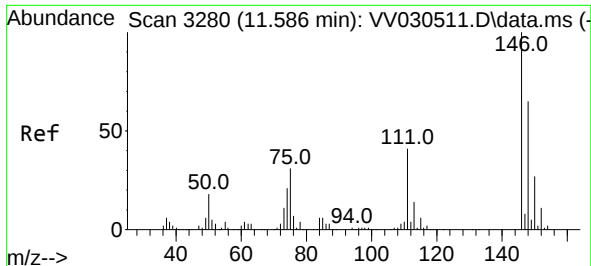
Tgt Ion:106 Resp: 5086
Ion Ratio Lower Upper
106 100
91 208.1 149.8 278.2



#65
1,4-Dichlorobenzene
Concen: 0.187 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030524.D
Acq: 12 Apr 2023 17:46

Tgt Ion:146 Resp: 3664
Ion Ratio Lower Upper
146 100
111 39.9 26.0 48.4
148 62.9 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 0.479 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030524.D

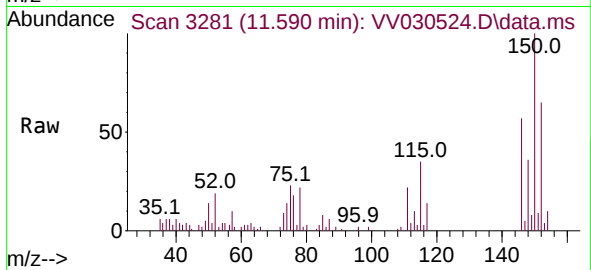
Acq: 12 Apr 2023 17:46

Instrument :

MSVOA_V

ClientSampleId :

BHDZ2



Tgt Ion:146 Resp: 8381

Ion Ratio Lower Upper

146 100

111 37.7 33.1 49.7

148 63.2 52.2 78.2

