

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041223\
 Data File : VW030525.D
 Acq On : 12 Apr 2023 18:11
 Operator : SY/MD
 Sample : 02275-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDZ3

Quant Time: Apr 13 02:51:56 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	107998	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	108454	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	51645	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	48285	6.751	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	135.000%#
7) Chloroethane-d5	1.535	69	37611	5.418	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.400%
11) 1,1-Dichloroethene-d2	2.066	63	100458	5.919	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	118.400%
20) 2-Butanone-d5	3.809	46	88882	48.076	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.160%
24) Chloroform-d	4.259	84	82115	4.743	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	4.953	65	44022	5.390	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.800%
32) Benzene-d6	4.973	84	148653	4.864	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	5.998	67	47622	4.977	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.252	98	130945	4.666	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
43) trans-1,3-Dichloroprop...	7.564	79	17482	4.853	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.000%
46) 2-Hexanone-d5	8.034	63	73027	50.448	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.900%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	33168	4.398	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.000%
66) 1,2-Dichlorobenzene-d4	11.570	152	47855	5.184	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.600%
Target Compounds						
					Qvalue	
6) Bromomethane	1.494	94	330	0.092	ug/L	72
9) Trichlorofluoromethane	1.716	101	4137	0.225	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	2276	0.224	ug/L #	76
12) 1,1-Dichloroethene	2.072	96	55805	6.184	ug/L	96
13) Acetone	2.137	43	3407	1.927	ug/L	94
15) Methyl Acetate	2.342	43	891	0.282	ug/L #	47
17) Methyl tert-butyl Ether	2.712	73	40477	2.118	ug/L	98
19) 1,1-Dichloroethane	3.121	63	76065	4.127	ug/L	96
22) cis-1,2-Dichloroethene	3.825	96	59682	6.256	ug/L	100
27) 1,2-Dichloroethane	5.066	62	1829	0.162	ug/L #	73
29) 1,1,1-Trichloroethane	4.522	97	23578	1.353	ug/L	96
31) Carbon tetrachloride	4.529	117	3008	0.190	ug/L	93
34) Trichloroethene	5.841	95	1661348	159.914	ug/L	98
35) Methylcyclohexane	6.002	83	12610	0.773	ug/L #	16
37) 1,2-Dichloropropane	5.998	63	6212	0.628	ug/L #	86
39) cis-1,3-Dichloropropene	6.924	75	1485	0.107	ug/L	84
45) 1,1,2-Trichloroethane	7.783	97	1639	0.235	ug/L	96
47) Tetrachloroethene	7.915	164	1165371	127.101	ug/L	95
49) Dibromochloromethane	7.915	129	1046055	126.203	ug/L #	12

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

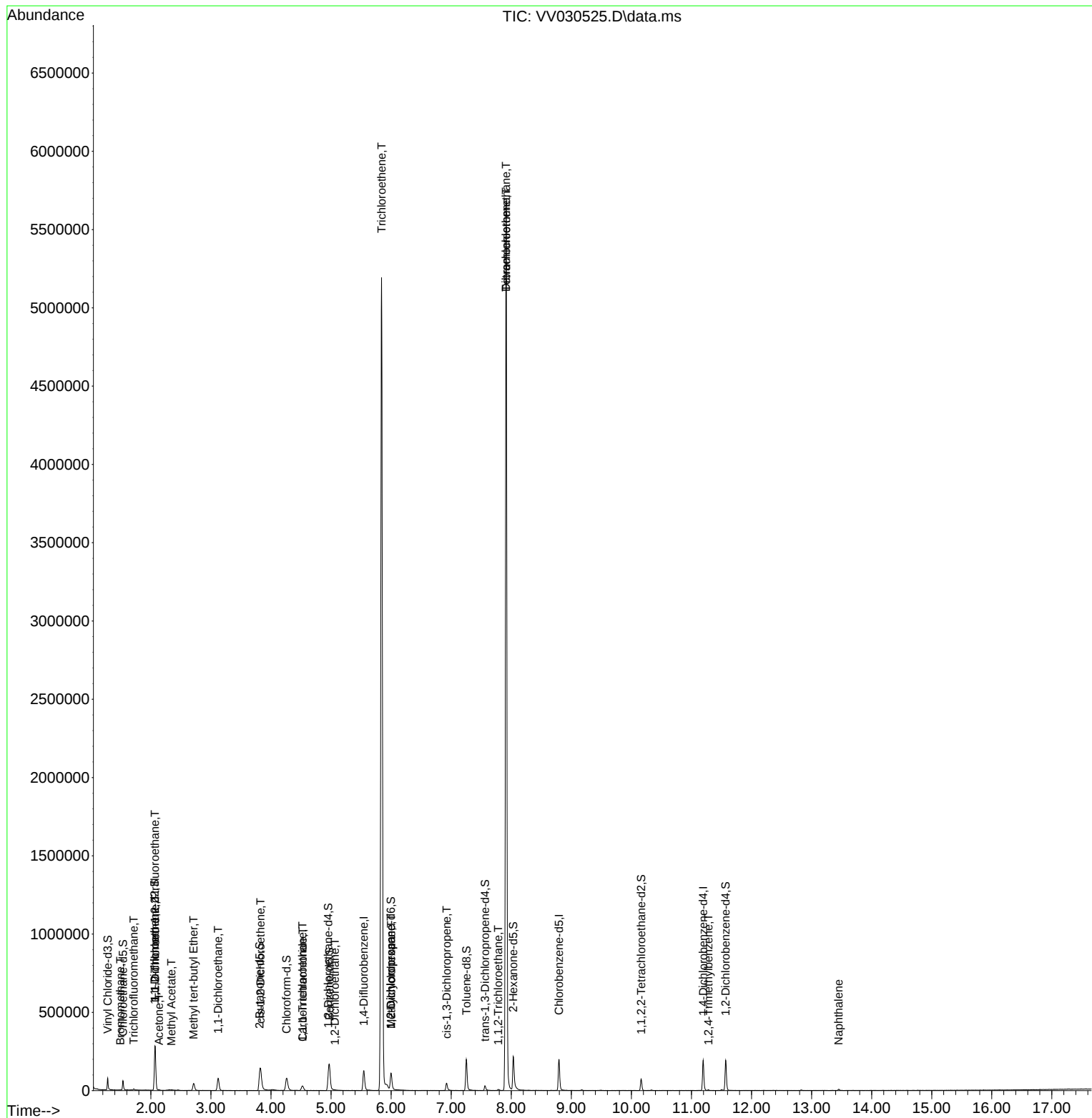
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.281	105	2028	0.064	ug/L	88
71) Naphthalene	13.451	128	5582	0.346	ug/L	97

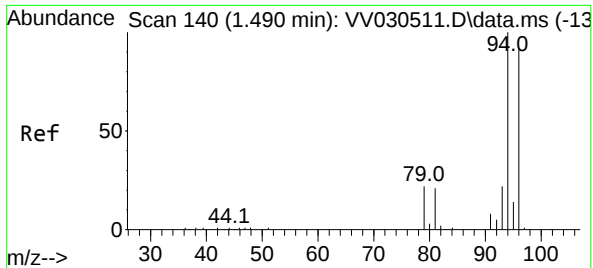
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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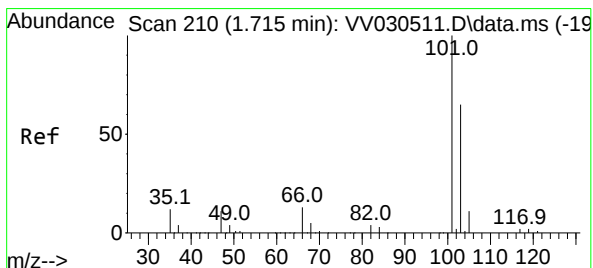
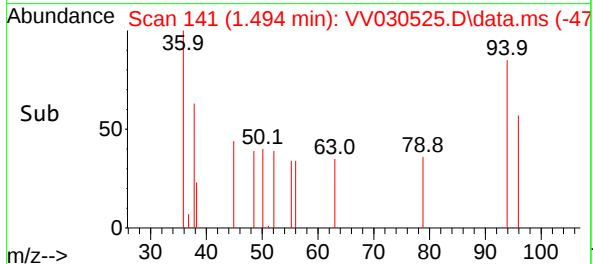
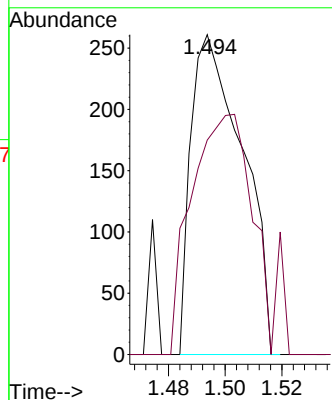
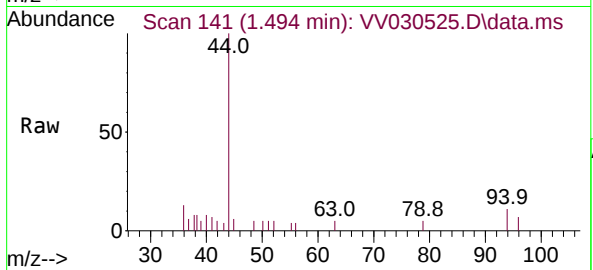




#6
Bromomethane
Concen: 0.092 ug/L
RT: 1.494 min Scan# 141
Delta R.T. 0.003 min
Lab File: VV030525.D
Acq: 12 Apr 2023 18:11

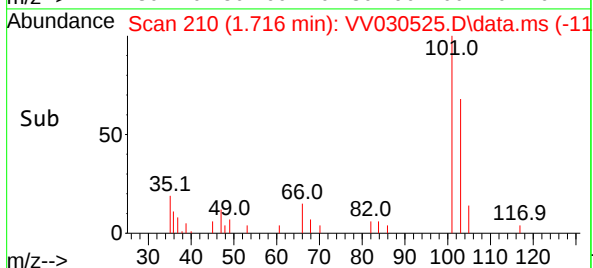
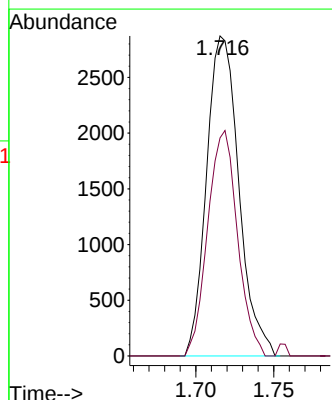
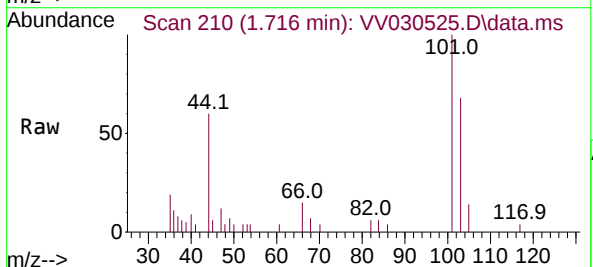
Instrument :
MSVOA_V
ClientSampleId :
BHDZ3

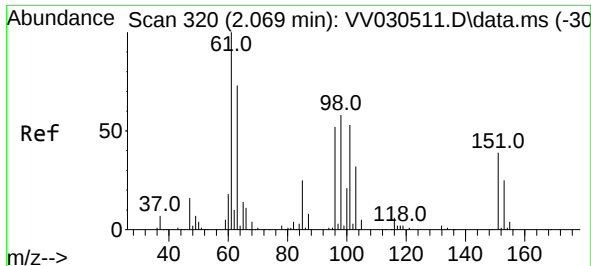
Tgt Ion: 94 Resp: 330
Ion Ratio Lower Upper
94 100
96 67.0 66.1 122.7



#9
Trichlorofluoromethane
Concen: 0.225 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV030525.D
Acq: 12 Apr 2023 18:11

Tgt Ion: 101 Resp: 4137
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.6

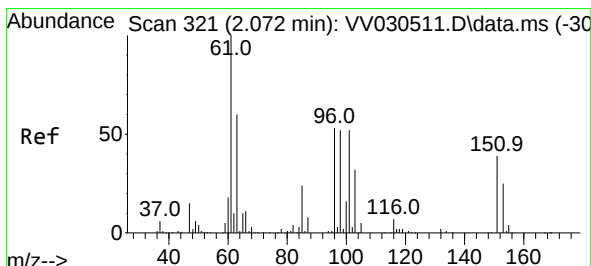
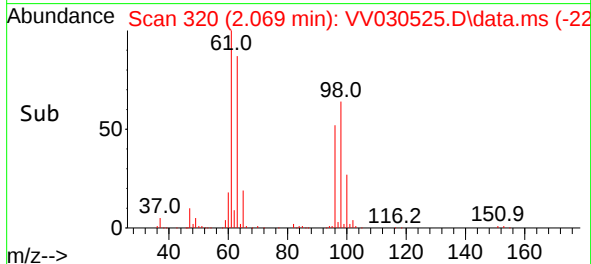
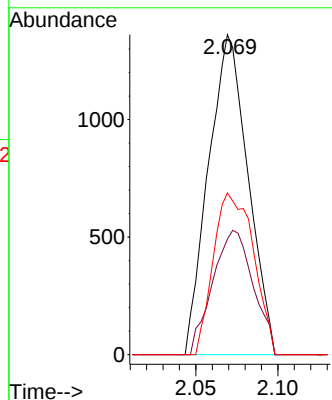
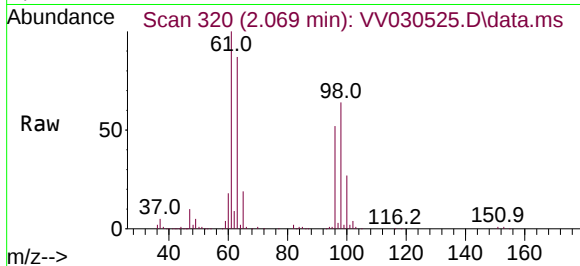




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.224 ug/L
 RT: 2.069 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VV030525.D
 Acq: 12 Apr 2023 18:11

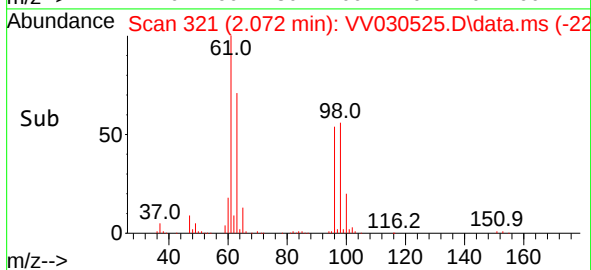
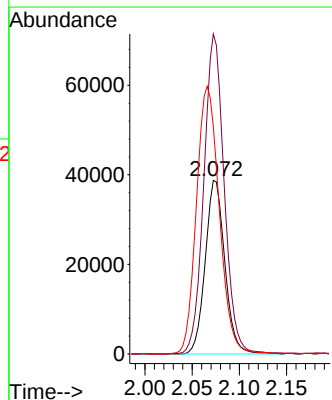
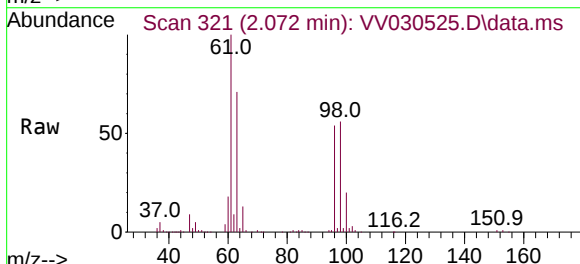
Instrument :
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 ClientSampleId :
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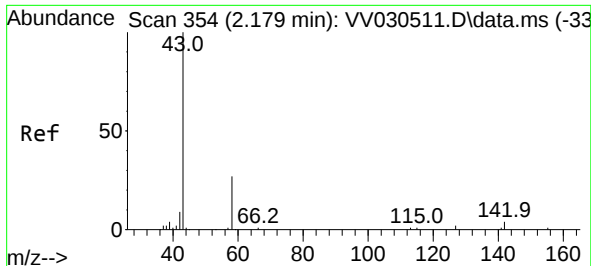
Tgt Ion:101 Resp: 2276
 Ion Ratio Lower Upper
 101 100
 85 39.9 38.1 57.1
 151 51.3 62.7 94.1#



#12
 1,1-Dichloroethene
 Concen: 6.184 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV030525.D
 Acq: 12 Apr 2023 18:11

Tgt Ion: 96 Resp: 55805
 Ion Ratio Lower Upper
 96 100
 61 184.4 136.3 253.1
 63 131.1 92.1 171.1





#13

Acetone

Concen: 1.927 ug/L

RT: 2.137 min Scan# 34

Delta R.T. -0.042 min

Lab File: VV030525.D

Acq: 12 Apr 2023 18:11

Instrument :

MSVOA_V

ClientSampleId :

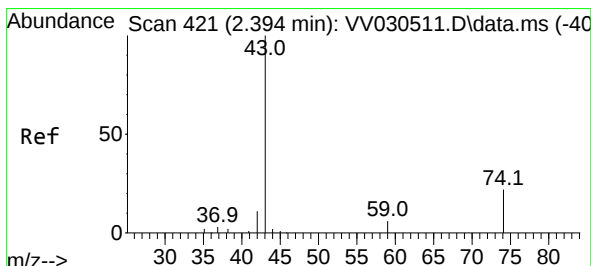
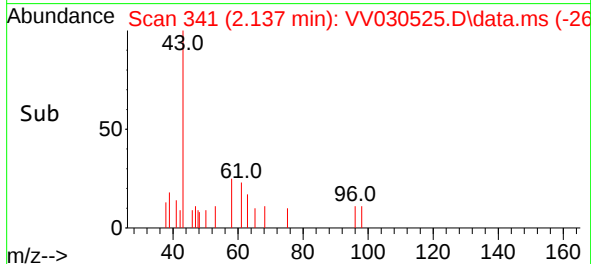
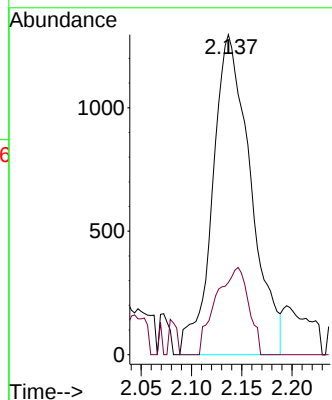
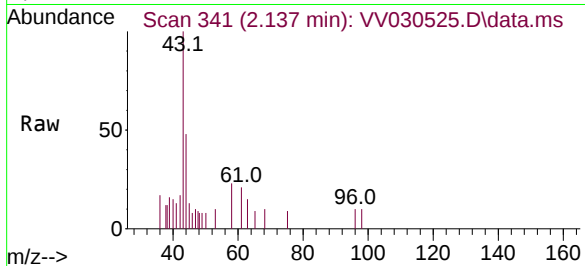
BHDZ3

Tgt Ion: 43 Resp: 3407

Ion Ratio Lower Upper

43 100

58 23.4 0.0 40.8



#15

Methyl Acetate

Concen: 0.282 ug/L

RT: 2.342 min Scan# 405

Delta R.T. -0.051 min

Lab File: VV030525.D

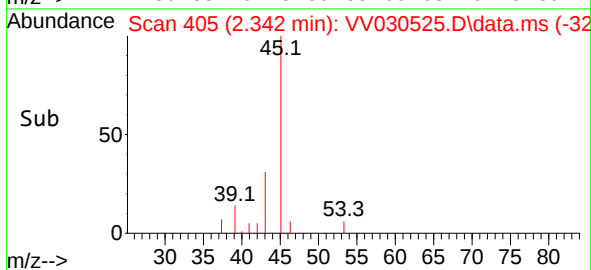
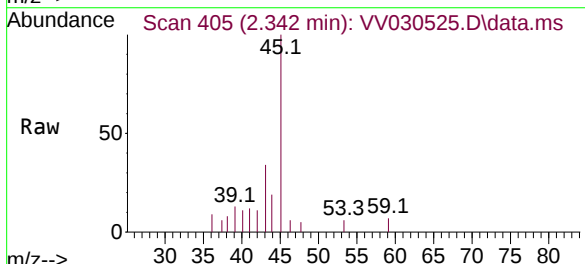
Acq: 12 Apr 2023 18:11

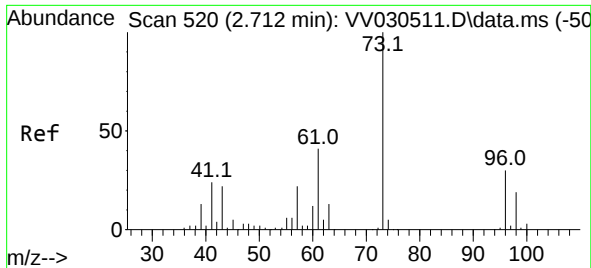
Tgt Ion: 43 Resp: 891

Ion Ratio Lower Upper

43 100

74 0.0 22.1 33.1#

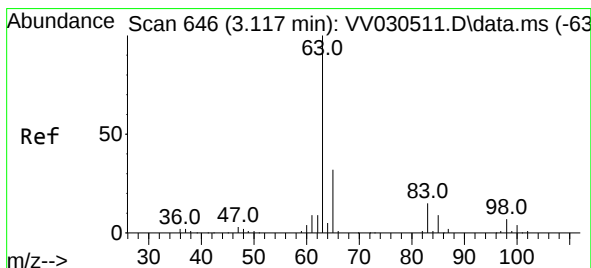
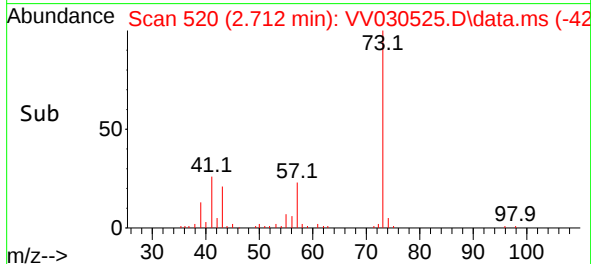
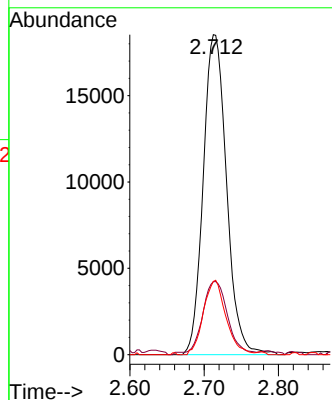
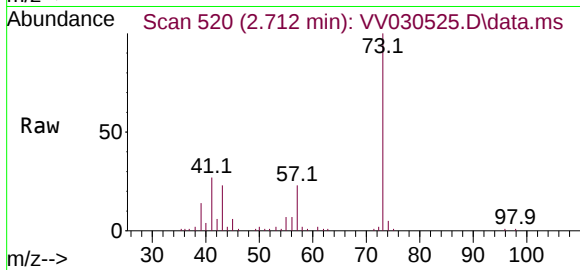




#17
Methyl tert-butyl Ether
Concen: 2.118 ug/L
RT: 2.712 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV030525.D
Acq: 12 Apr 2023 18:11

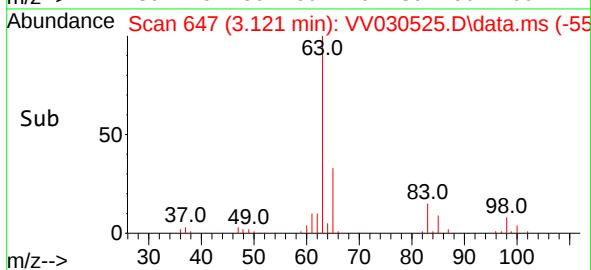
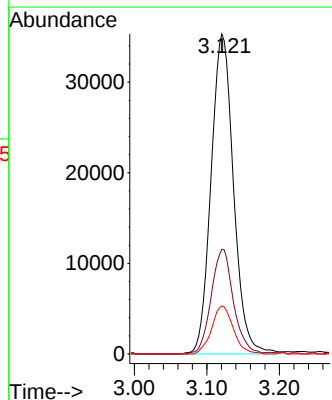
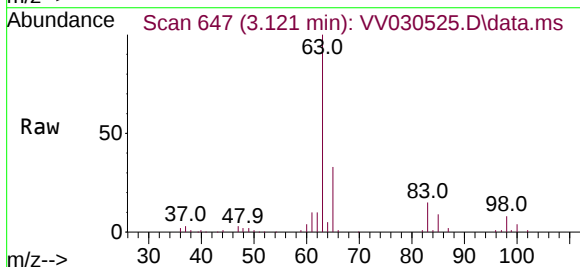
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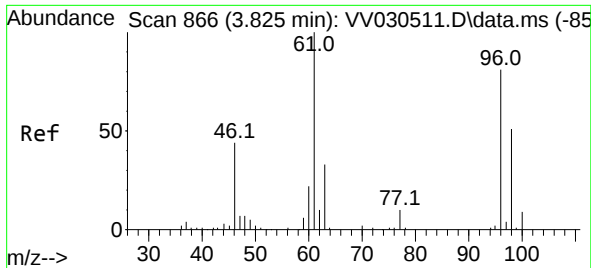
Tgt Ion: 73 Resp: 40477
Ion Ratio Lower Upper
73 100
43 23.1 17.4 26.2
57 22.5 18.3 27.5



#19
1,1-Dichloroethane
Concen: 4.127 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030525.D
Acq: 12 Apr 2023 18:11

Tgt Ion: 63 Resp: 76065
Ion Ratio Lower Upper
63 100
65 32.7 21.7 40.3
83 15.0 9.1 16.9

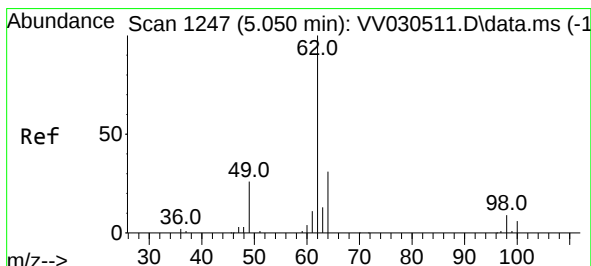
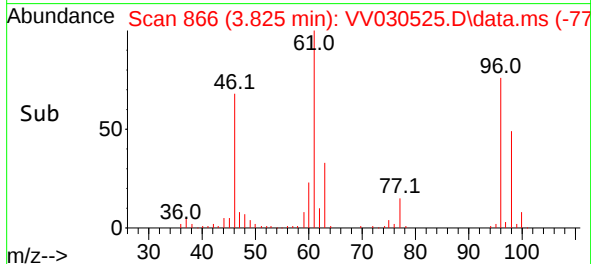
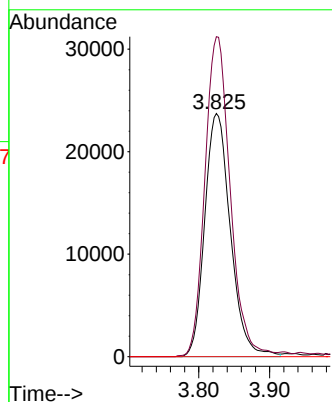
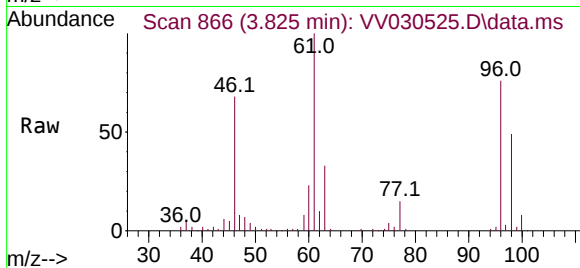




#22
 cis-1,2-Dichloroethene
 Concen: 6.256 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: VV030525.D
 Acq: 12 Apr 2023 18:11

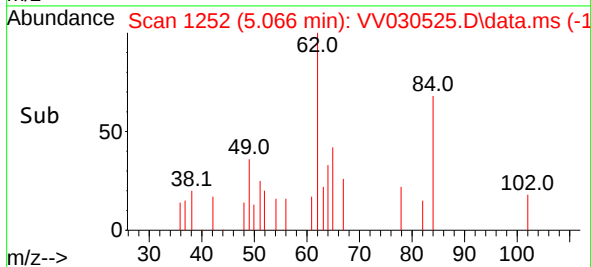
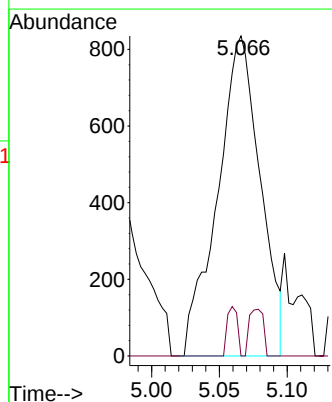
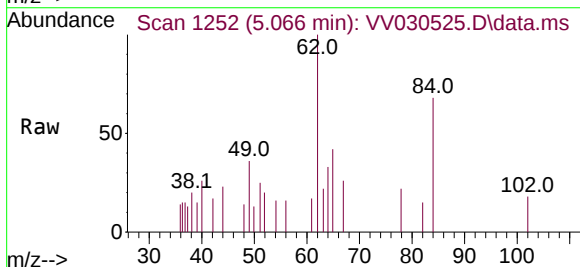
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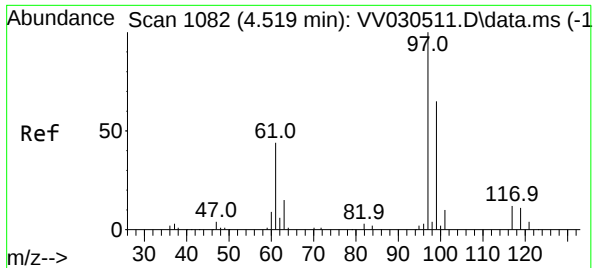
Tgt Ion: 96 Resp: 59682
 Ion Ratio Lower Upper
 96 100
 61 131.6 92.0 170.8
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.162 ug/L
 RT: 5.066 min Scan# 1252
 Delta R.T. 0.016 min
 Lab File: VV030525.D
 Acq: 12 Apr 2023 18:11

Tgt Ion: 62 Resp: 1829
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.8#





#29

1,1,1-Trichloroethane

Concen: 1.353 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV030525.D

Acq: 12 Apr 2023 18:11

Instrument :

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ClientSampleId :

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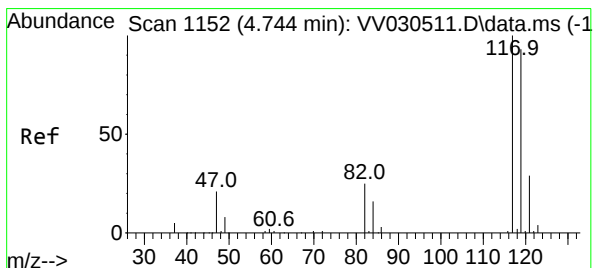
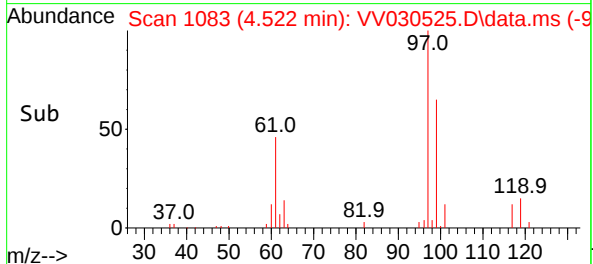
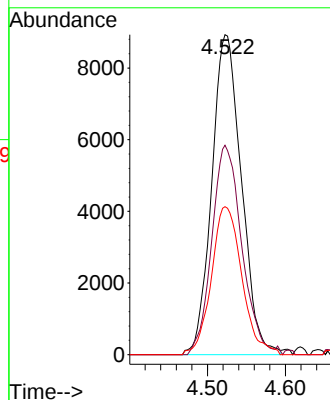
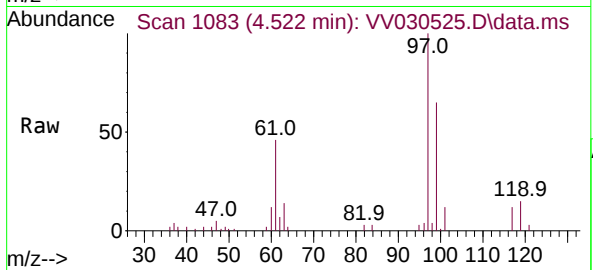
Tgt Ion: 97 Resp: 23578

Ion Ratio Lower Upper

97 100

99 66.2 50.9 76.3

61 47.7 35.9 53.9



#31

Carbon tetrachloride

Concen: 0.190 ug/L

RT: 4.529 min Scan# 1085

Delta R.T. -0.215 min

Lab File: VV030525.D

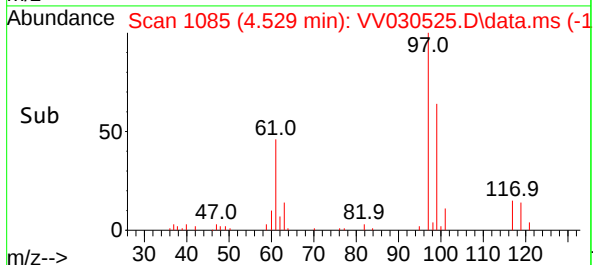
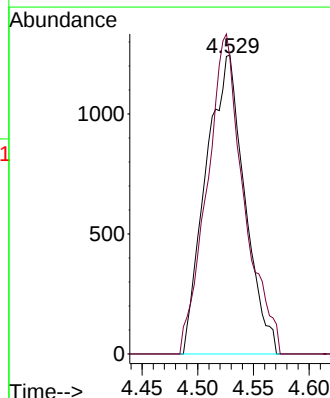
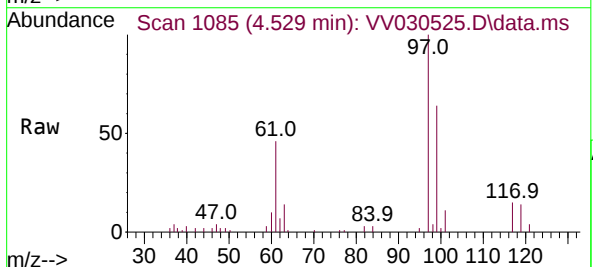
Acq: 12 Apr 2023 18:11

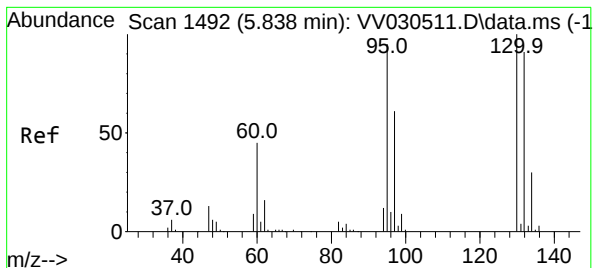
Tgt Ion: 117 Resp: 3008

Ion Ratio Lower Upper

117 100

119 102.0 76.2 114.4





#34

Trichloroethene

Concen: 159.914 ug/L

RT: 5.841 min Scan# 1492

Delta R.T. 0.003 min

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Tgt Ion: 95 Resp: 1661348

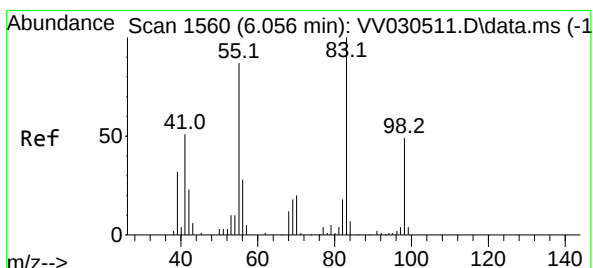
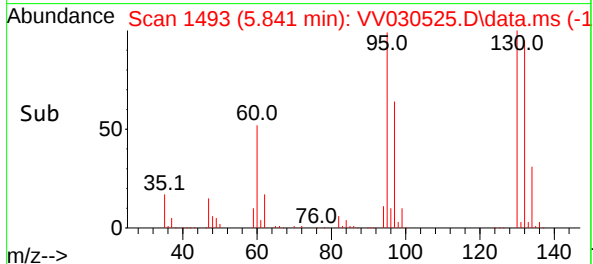
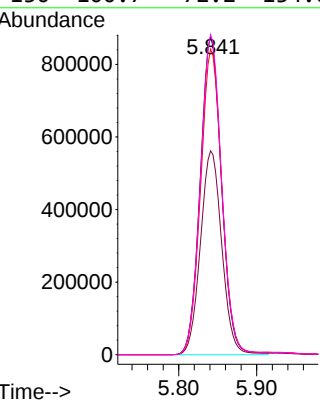
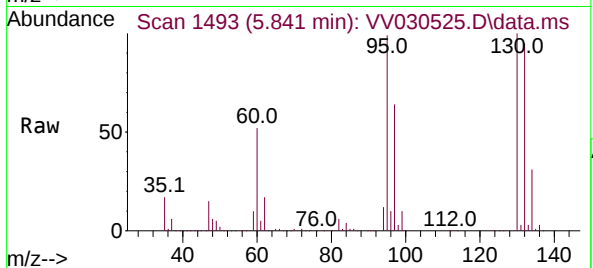
Ion Ratio Lower Upper

95 100

97 64.1 44.2 82.2

132 96.1 69.5 129.1

130 100.7 72.2 134.0



#35

Methylcyclohexane

Concen: 0.773 ug/L

RT: 6.002 min Scan# 1543

Delta R.T. -0.055 min

Lab File: VV030525.D

Acq: 12 Apr 2023 18:11

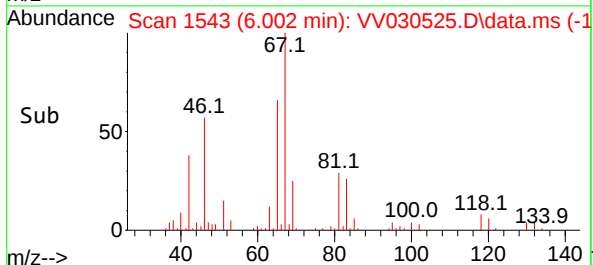
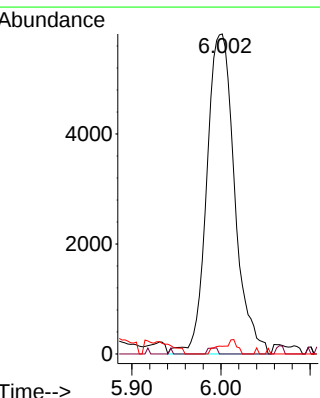
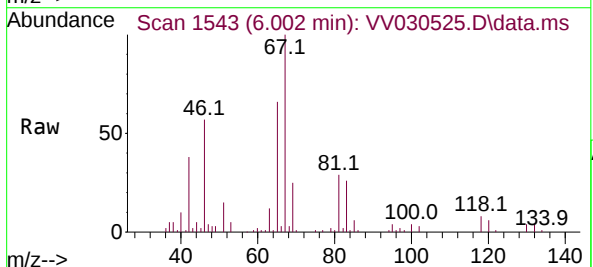
Tgt Ion: 83 Resp: 12610

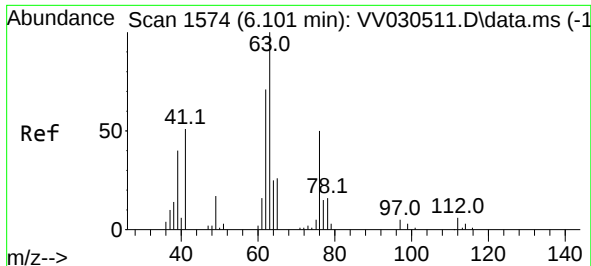
Ion Ratio Lower Upper

83 100

55 0.6 66.6 100.0#

98 0.0 38.6 58.0#





#37

1,2-Dichloropropane

Concen: 0.628 ug/L

RT: 5.998 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV030525.D

Acq: 12 Apr 2023 18:11

Instrument :

MSVOA_V

ClientSampleId :

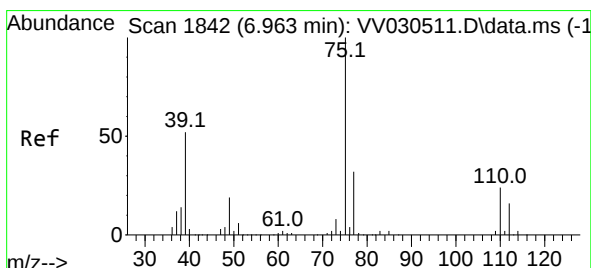
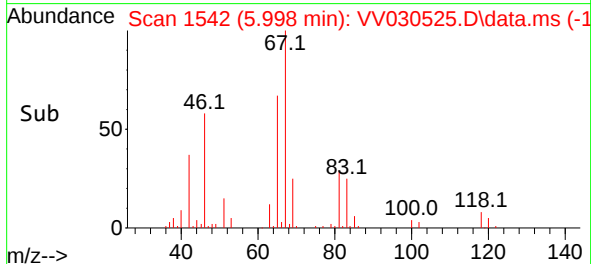
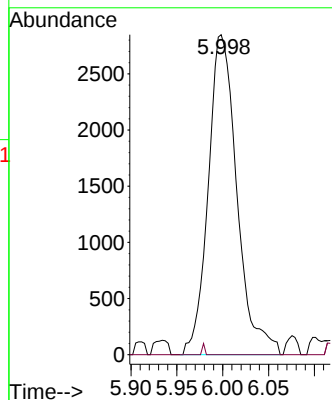
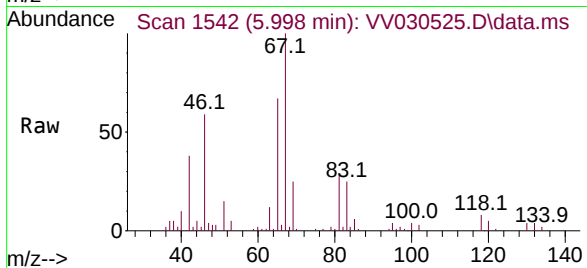
BHDZ3

Tgt Ion: 63 Resp: 6212

Ion Ratio Lower Upper

63 100

112 0.3 3.9 5.9#



#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 6.924 min Scan# 1830

Delta R.T. -0.039 min

Lab File: VV030525.D

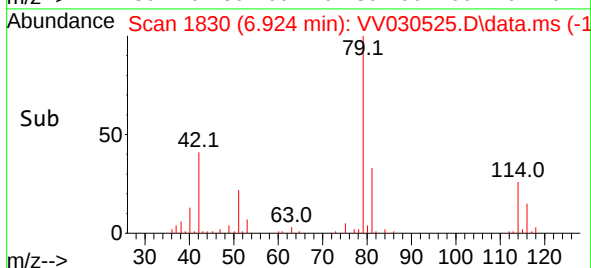
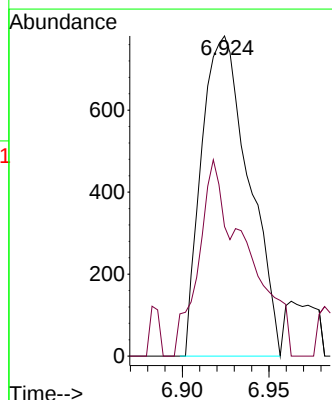
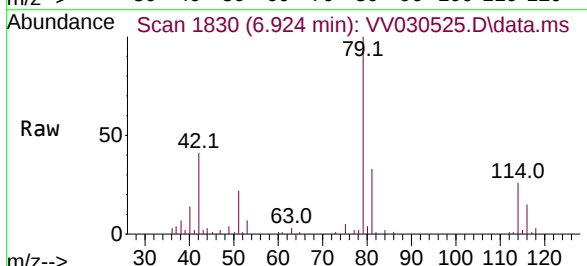
Acq: 12 Apr 2023 18:11

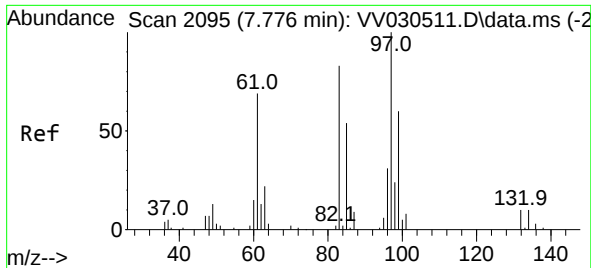
Tgt Ion: 75 Resp: 1485

Ion Ratio Lower Upper

75 100

77 40.5 22.0 41.0

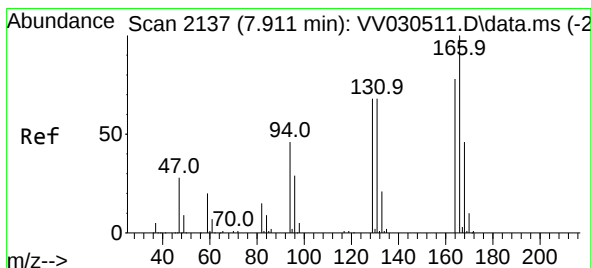
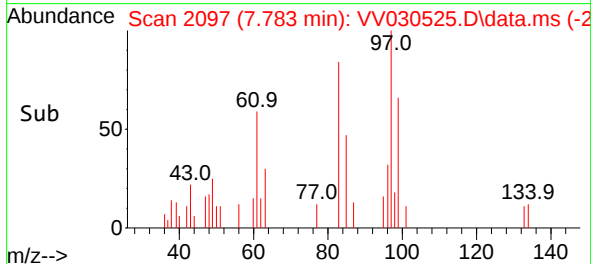
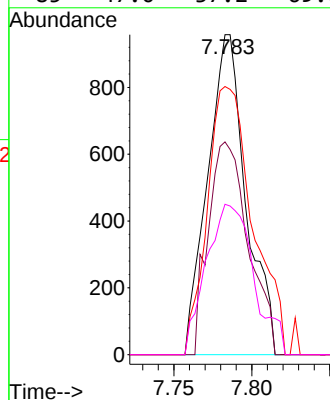
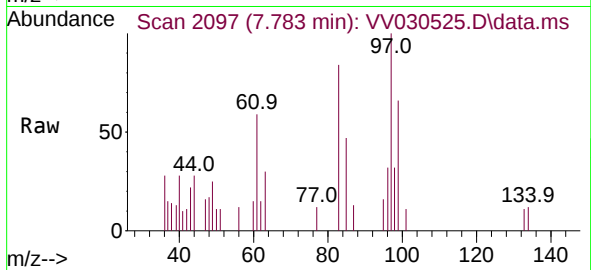




#45
1,1,2-Trichloroethane
Concen: 0.235 ug/L
RT: 7.783 min Scan# 2095
Delta R.T. 0.006 min
Lab File: VV030525.D
Acq: 12 Apr 2023 18:11

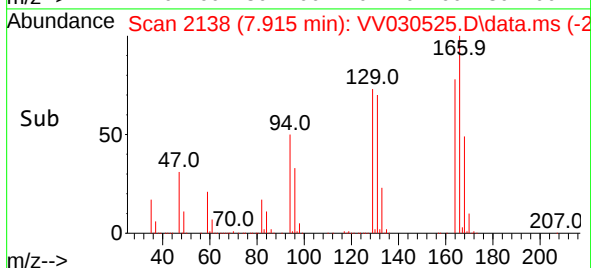
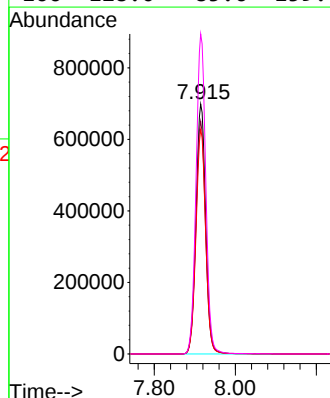
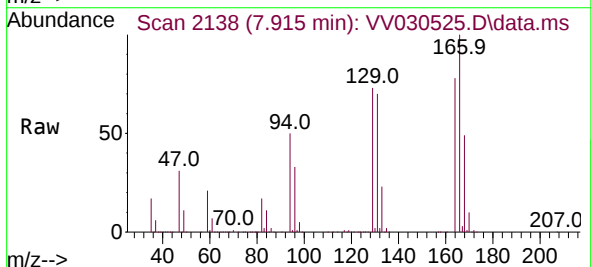
Instrument :
MSVOA_V
ClientSampleId :
BHDZ3

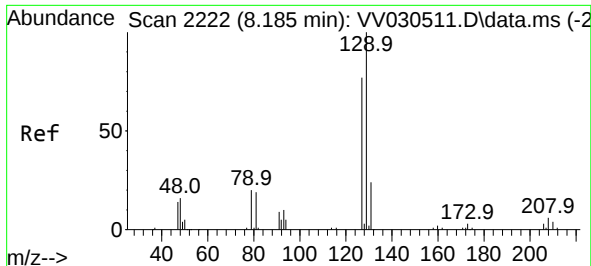
Tgt Ion: 97	Resp: 1639
Ion Ratio	Lower Upper
97 100	
99 66.5	44.0 81.8
83 83.8	58.8 109.2
85 47.0	37.2 69.0



#47
Tetrachloroethene
Concen: 127.101 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030525.D
Acq: 12 Apr 2023 18:11

Tgt	Ion:164	Resp:	1165371
Ion	Ratio	Lower	Upper
164	100		
129	93.1	60.8	112.8
131	89.8	61.7	114.7
166	128.0	85.6	159.0





#49

Dibromochloromethane

Concen: 126.203 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. -0.270 min

Lab File: VV030525.D

Acq: 12 Apr 2023 18:11

Instrument :

MSVOA_V

ClientSampleId :

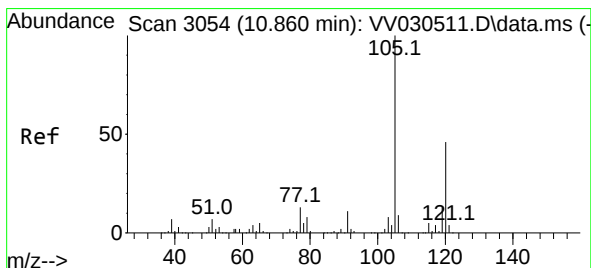
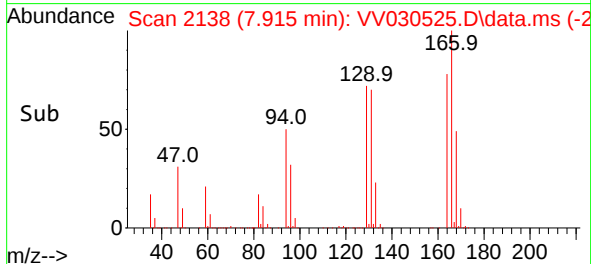
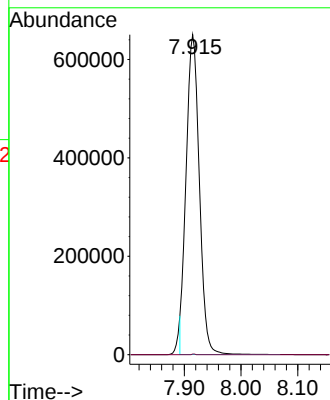
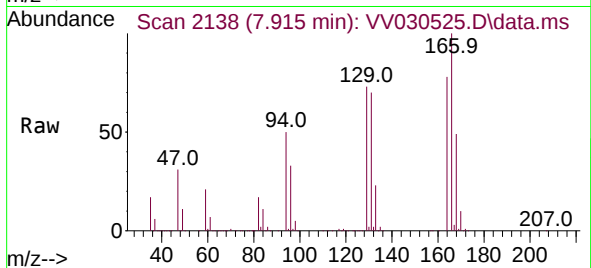
BHDZ3

Tgt Ion:129 Resp: 1046055

Ion Ratio Lower Upper

129 100

127 0.2 52.7 97.9#



#63

1,2,4-Trimethylbenzene

Concen: 0.064 ug/L

RT: 11.281 min Scan# 3185

Delta R.T. 0.421 min

Lab File: VV030525.D

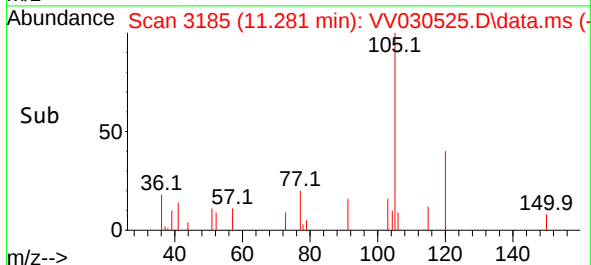
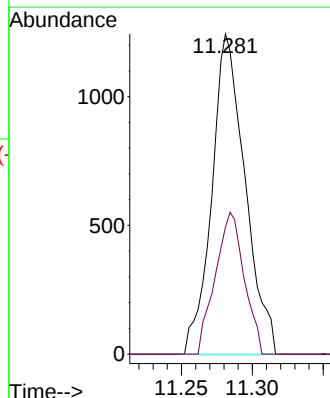
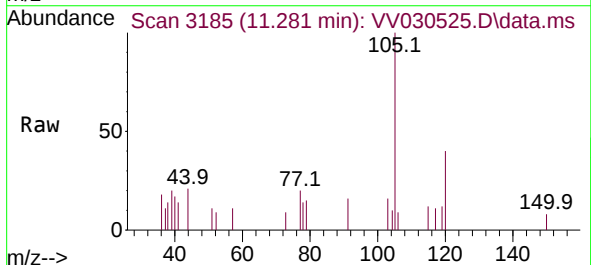
Acq: 12 Apr 2023 18:11

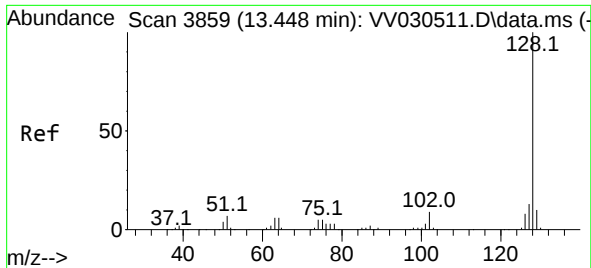
Tgt Ion:105 Resp: 2028

Ion Ratio Lower Upper

105 100

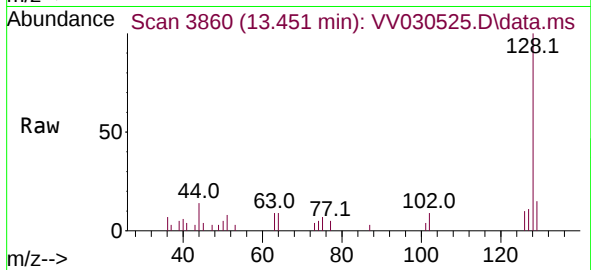
120 38.4 36.8 55.2





#71
Naphthalene
Concen: 0.346 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.003 min
Lab File: VV030525.D
Acq: 12 Apr 2023 18:11

Instrument :
MSVOA_V
ClientSampleId :
BHDZ3



Tgt Ion:	128	Resp:	5582
Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.9	13.3
127	12.0	10.8	16.2

