

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041123\
 Data File : VW030507.D
 Acq On : 11 Apr 2023 20:18
 Operator : SY/MD
 Sample : 02250-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHD5

Quant Time: Apr 12 05:05:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 12 05:00:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	102474	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	101068	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	55524	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	21846	3.219	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.400%
7) Chloroethane-d5	1.539	69	26607	4.040	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.800%
11) 1,1-Dichloroethene-d2	2.066	63	61181	3.799	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.000%
20) 2-Butanone-d5	3.818	46	93334	53.206	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.420%
24) Chloroform-d	4.262	84	75574	4.601	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
26) 1,2-Dichloroethane-d4	4.957	65	38137	4.921	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	4.973	84	123465	4.335	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	5.998	67	42942	4.816	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.252	98	106502	4.072	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.400%
43) trans-1,3-Dichloroprop...	7.561	79	13448	4.006	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.200%
46) 2-Hexanone-d5	8.034	63	67464	50.011	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.020%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	32243	4.588	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.800%
66) 1,2-Dichlorobenzene-d4	11.571	152	51104	5.150	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	1976	0.120	ug/L	84
6) Bromomethane	1.497	94	447	0.131	ug/L	86
9) Trichlorofluoromethane	1.719	101	11153	0.638	ug/L	100
12) 1,1-Dichloroethene	2.076	96	33026	3.857	ug/L	90
17) Methyl tert-butyl Ether	2.716	73	2643	0.146	ug/L #	73
18) trans-1,2-Dichloroethene	2.706	96	1482	0.164	ug/L	89
19) 1,1-Dichloroethane	3.121	63	103188	5.901	ug/L	98
22) cis-1,2-Dichloroethene	3.825	96	95823	10.585	ug/L	95
25) Chloroform	4.291	83	21593	1.222	ug/L	92
27) 1,2-Dichloroethane	5.060	62	2405	0.225	ug/L #	73
29) 1,1,1-Trichloroethane	4.523	97	12333	0.759	ug/L	95
31) Carbon tetrachloride	4.529	117	1407	0.095	ug/L	88
34) Trichloroethene	5.841	95	245005	25.306	ug/L	98
35) Methylcyclohexane	5.998	83	11759	0.774	ug/L #	18
44) trans-1,3-Dichloropropene	7.564	75	877	0.080	ug/L	93
47) Tetrachloroethene	7.915	164	131947	15.442	ug/L	97
49) Dibromochloromethane	7.912	129	112480	14.562	ug/L #	12
61) 1,2,3-Trichloropropane	10.220	75	607	0.122	ug/L #	74
64) 1,3-Dichlorobenzene	11.130	146	1855	0.091	ug/L	93

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Quant Time: Apr 12 05:05:45 2023
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Apr 12 05:00:18 2023
Response via : Initial Calibration

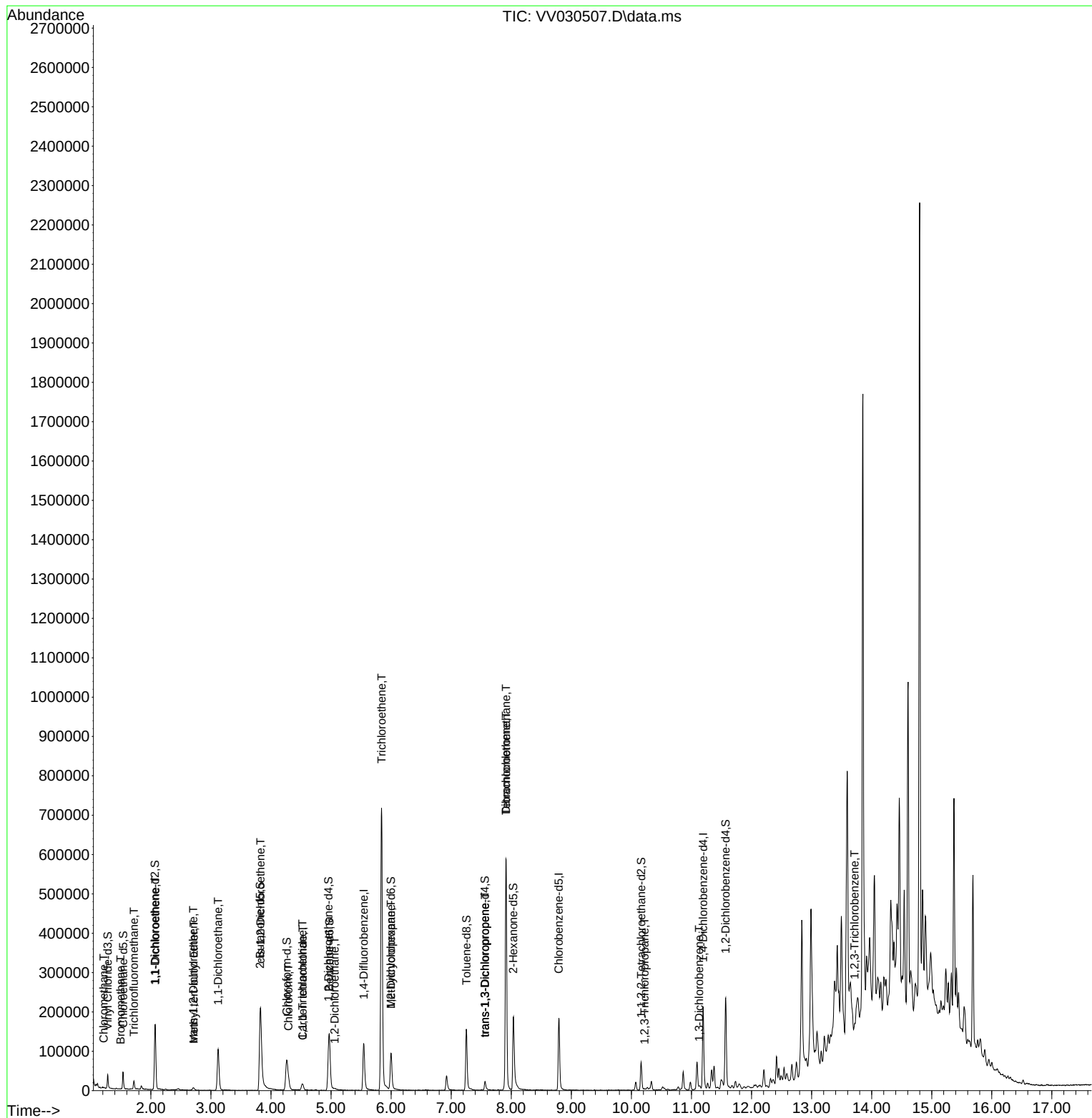
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	13.715	180	3589	0.341	ug/L	# 14

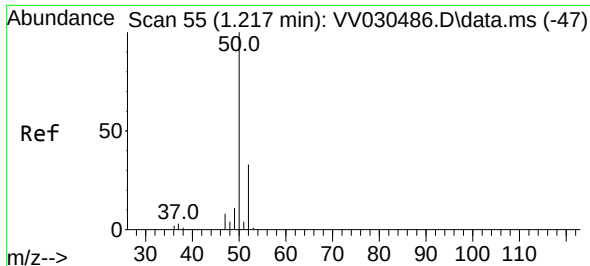
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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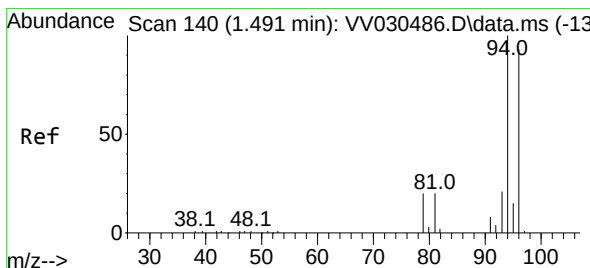
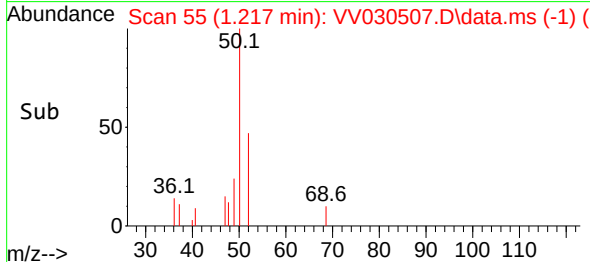
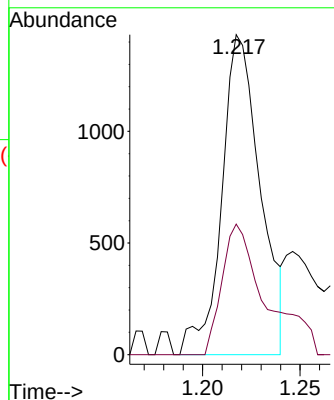
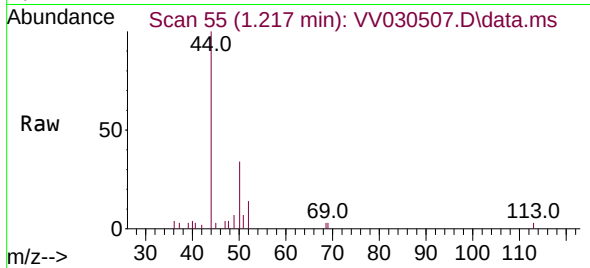




#3
Chloromethane
Concen: 0.120 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV030507.D
Acq: 11 Apr 2023 20:18

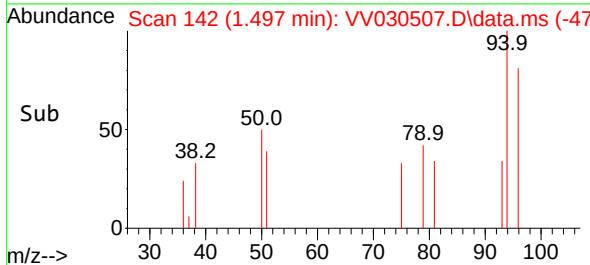
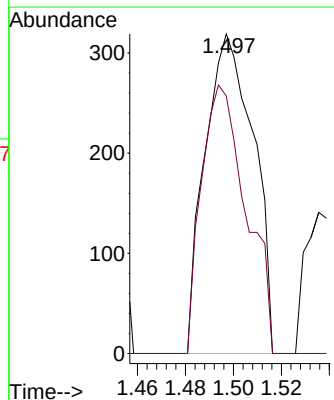
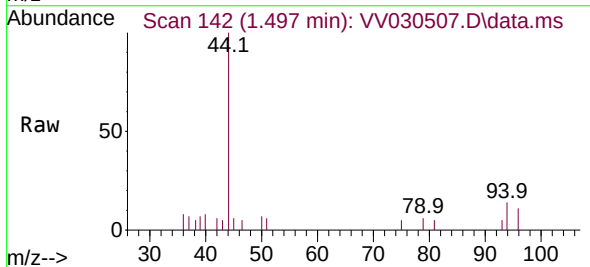
Instrument :
MSVOA_V
ClientSampleId :
BHD5

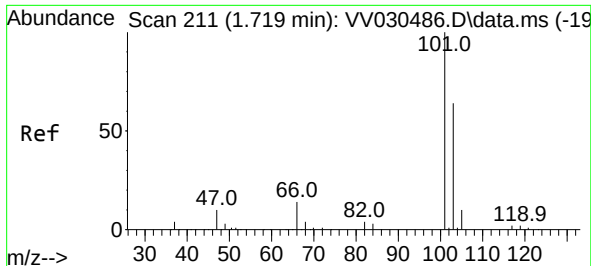
Tgt Ion: 50 Resp: 1976
Ion Ratio Lower Upper
50 100
52 40.8 22.3 41.5



#6
Bromomethane
Concen: 0.131 ug/L
RT: 1.497 min Scan# 142
Delta R.T. 0.006 min
Lab File: VV030507.D
Acq: 11 Apr 2023 20:18

Tgt Ion: 94 Resp: 447
Ion Ratio Lower Upper
94 100
96 80.6 66.1 122.7

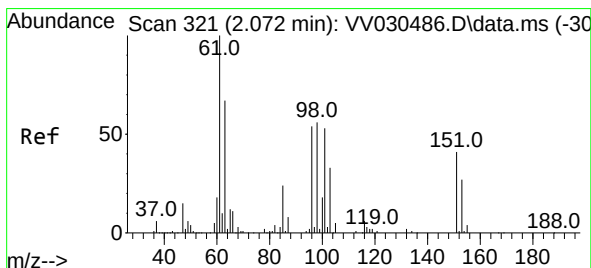
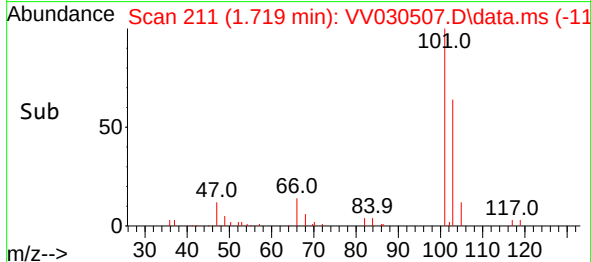
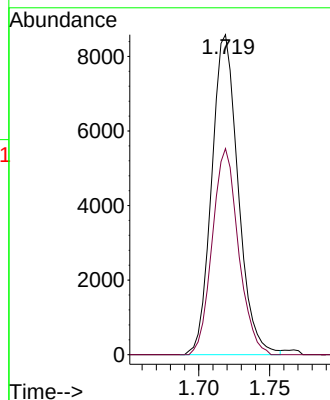
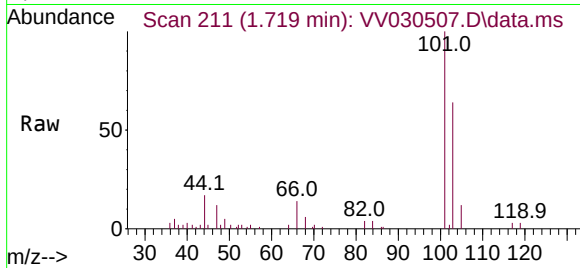




#9
 Trichlorofluoromethane
 Concen: 0.638 ug/L
 RT: 1.719 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: VV030507.D
 Acq: 11 Apr 2023 20:18

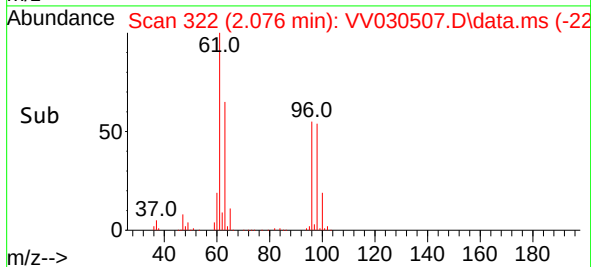
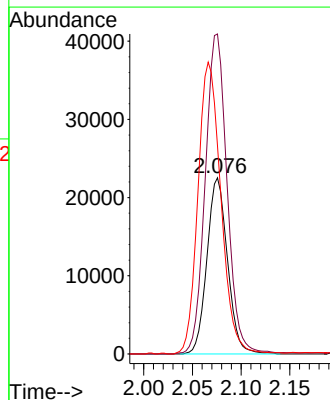
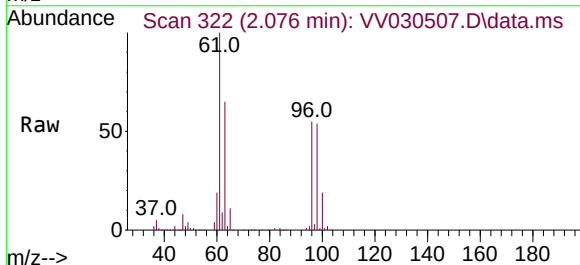
Instrument :
 MSVOA_V
 ClientSampleId :
 BHD5

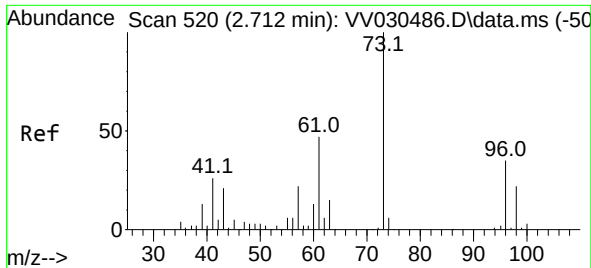
Tgt Ion:101 Resp: 11153
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.0 76.6



#12
 1,1-Dichloroethene
 Concen: 3.857 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030507.D
 Acq: 11 Apr 2023 20:18

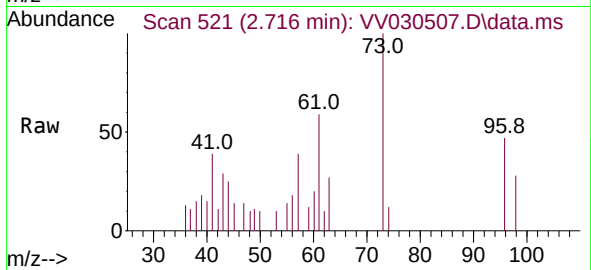
Tgt Ion: 96 Resp: 33026
 Ion Ratio Lower Upper
 96 100
 61 181.7 136.3 253.1
 63 118.3 92.1 171.1



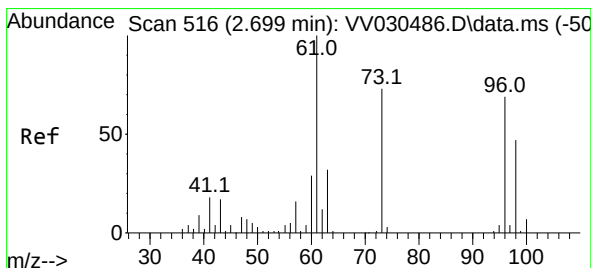
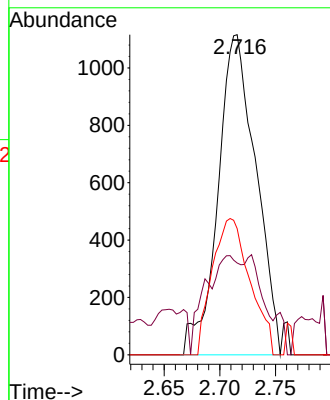
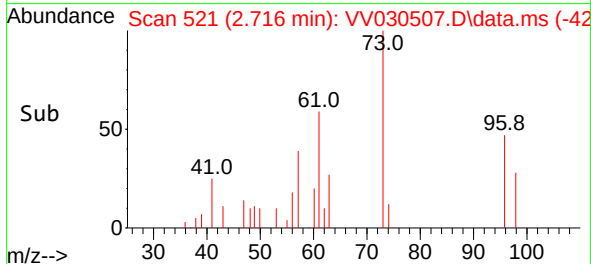


#17
Methyl tert-butyl Ether
Concen: 0.146 ug/L
RT: 2.716 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV030507.D
Acq: 11 Apr 2023 20:18

Instrument :
MSVOA_V
ClientSampleId :
BHD5

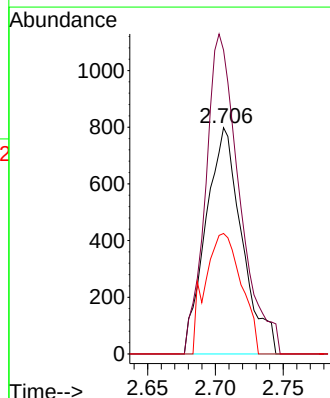
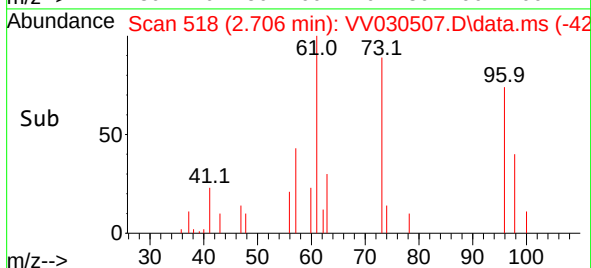
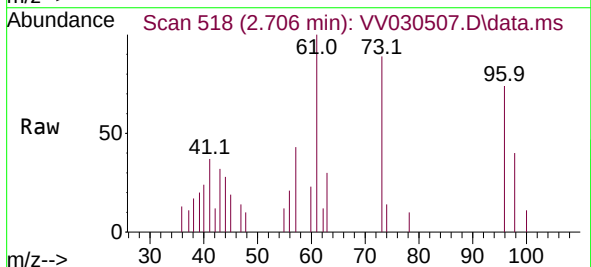


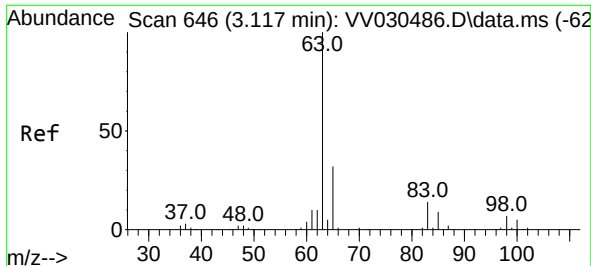
Tgt Ion: 73 Resp: 2643
Ion Ratio Lower Upper
73 100
43 28.0 17.4 26.2#
57 42.4 18.3 27.5#



#18
trans-1,2-Dichloroethene
Concen: 0.164 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.006 min
Lab File: VV030507.D
Acq: 11 Apr 2023 20:18

Tgt Ion: 96 Resp: 1482
Ion Ratio Lower Upper
96 100
61 134.3 101.7 188.9
98 53.3 45.8 85.2





#19

1,1-Dichloroethane

Concen: 5.901 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030507.D

Acq: 11 Apr 2023 20:18

Instrument :

MSVOA_V

ClientSampleId :

BHDX5

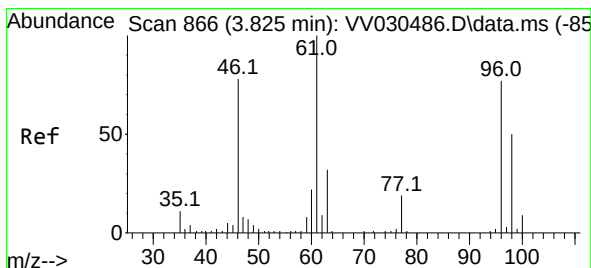
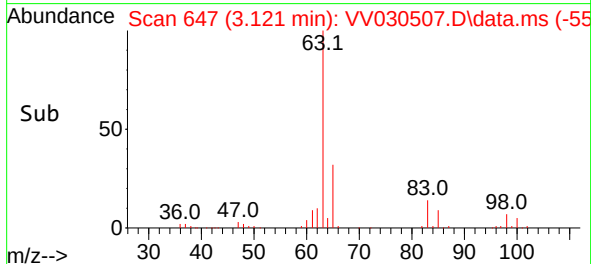
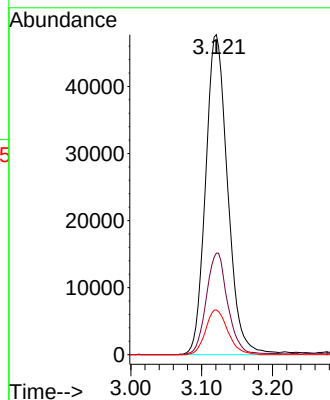
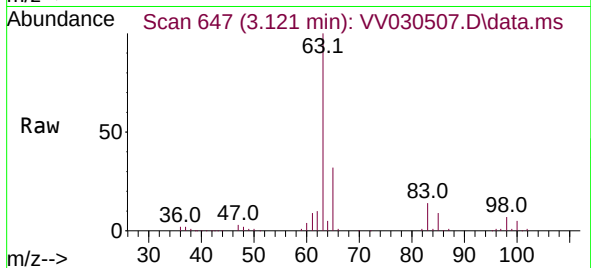
Tgt Ion: 63 Resp: 103188

Ion Ratio Lower Upper

63 100

65 31.8 21.7 40.3

83 14.0 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 10.585 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.000 min

Lab File: VV030507.D

Acq: 11 Apr 2023 20:18

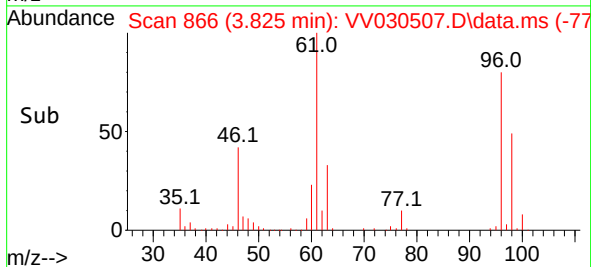
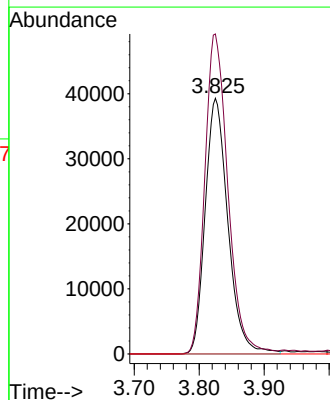
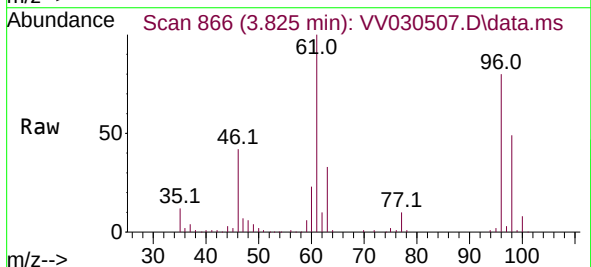
Tgt Ion: 96 Resp: 95823

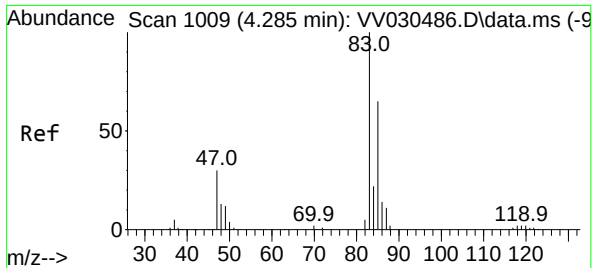
Ion Ratio Lower Upper

96 100

61 125.2 92.0 170.8

68 0.0 0.0 0.0

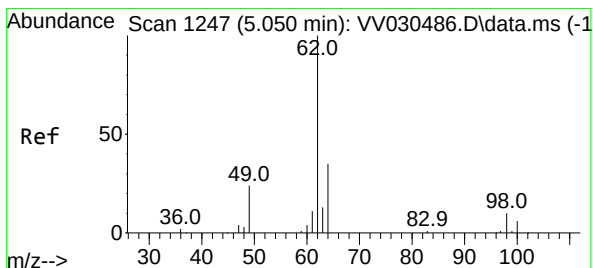
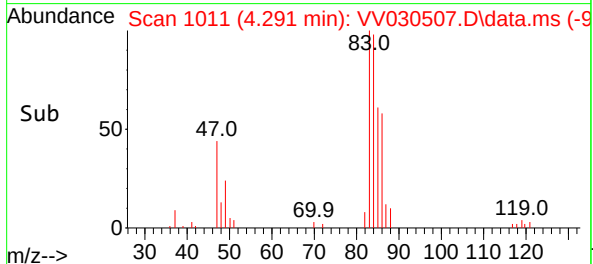
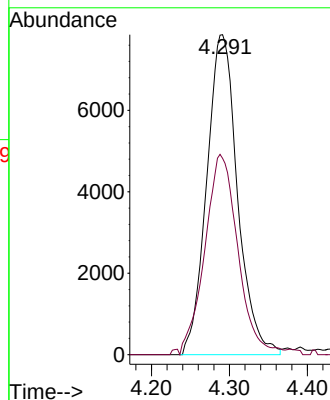
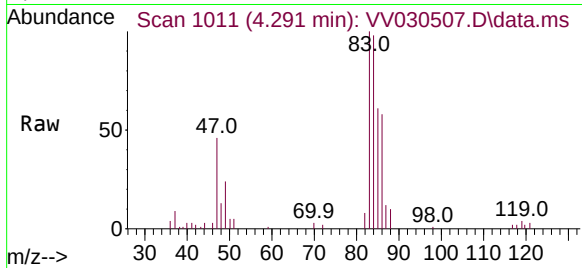




#25
Chloroform
Concen: 1.222 ug/L
RT: 4.291 min Scan# 1011
Delta R.T. 0.006 min
Lab File: VV030507.D
Acq: 11 Apr 2023 20:18

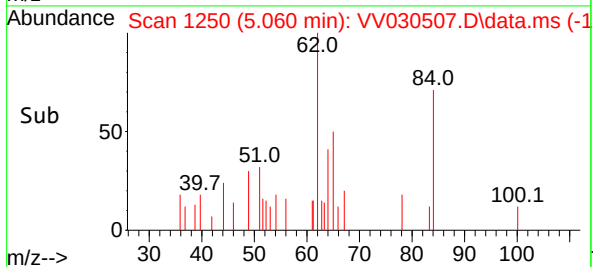
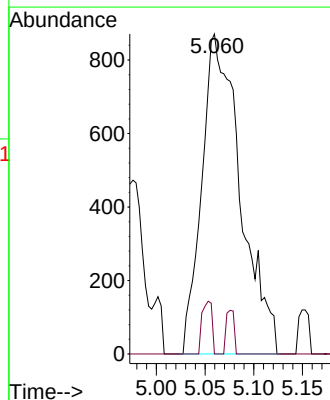
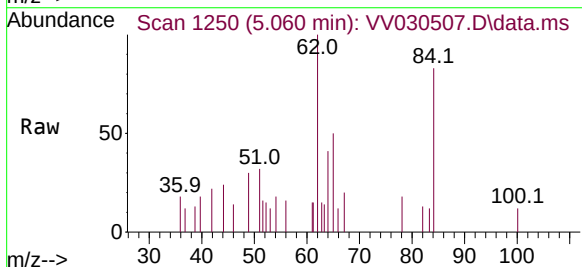
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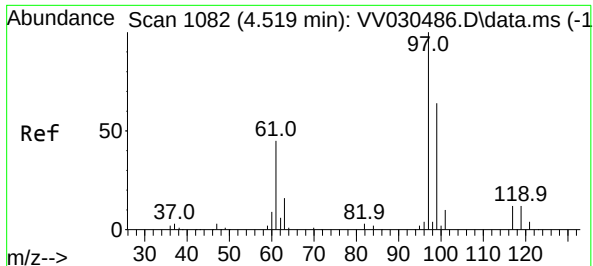
Tgt Ion: 83 Resp: 21593
Ion Ratio Lower Upper
83 100
85 61.3 47.6 88.4



#27
1,2-Dichloroethane
Concen: 0.225 ug/L
RT: 5.060 min Scan# 1250
Delta R.T. 0.010 min
Lab File: VV030507.D
Acq: 11 Apr 2023 20:18

Tgt Ion: 62 Resp: 2405
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.8#





#29

1,1,1-Trichloroethane

Concen: 0.759 ug/L

RT: 4.523 min Scan# 1082

Delta R.T. 0.003 min

Lab File: VV030507.D

Acq: 11 Apr 2023 20:18

Instrument :

MSVOA_V

ClientSampleId :

BHDX5

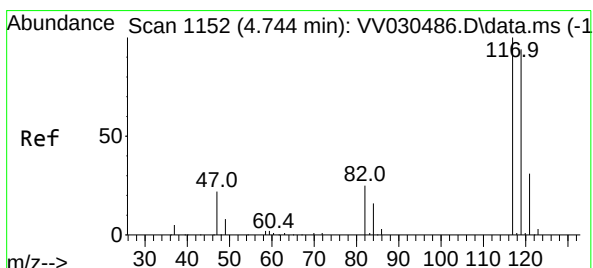
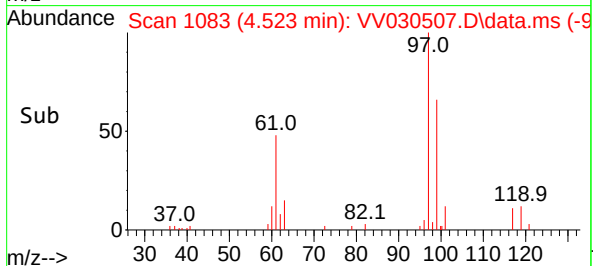
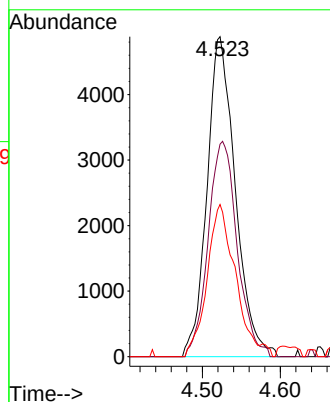
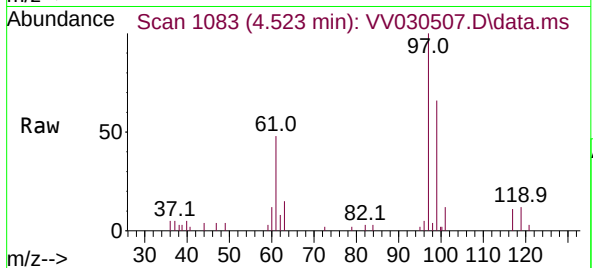
Tgt Ion: 97 Resp: 12333

Ion Ratio Lower Upper

97 100

99 69.0 50.9 76.3

61 46.8 35.9 53.9



#31

Carbon tetrachloride

Concen: 0.095 ug/L

RT: 4.529 min Scan# 1085

Delta R.T. -0.215 min

Lab File: VV030507.D

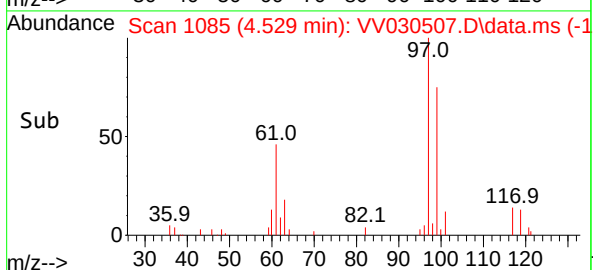
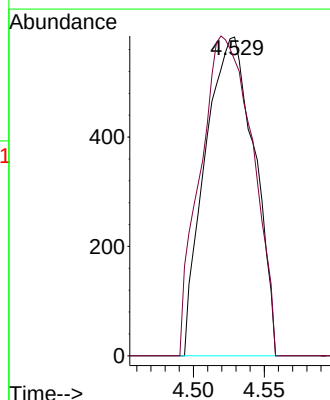
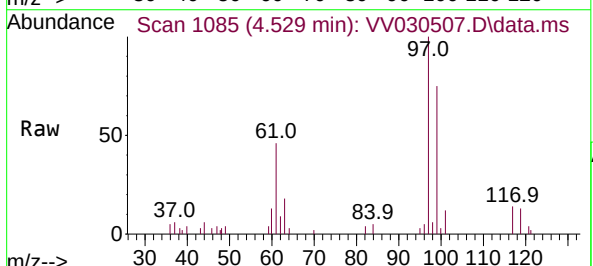
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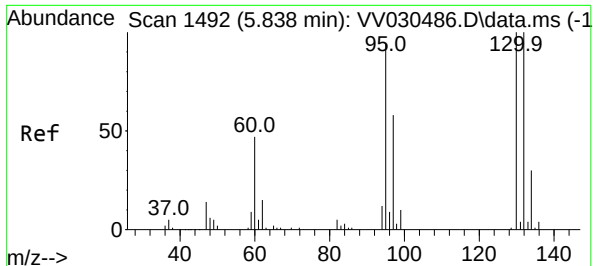
Tgt Ion: 117 Resp: 1407

Ion Ratio Lower Upper

117 100

119 106.9 76.2 114.4

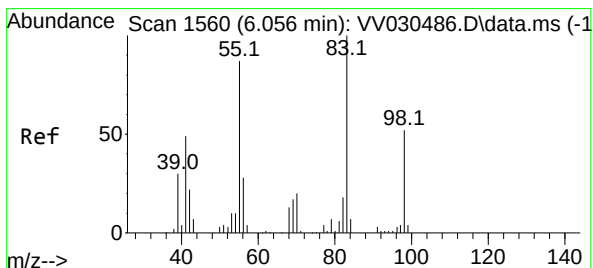
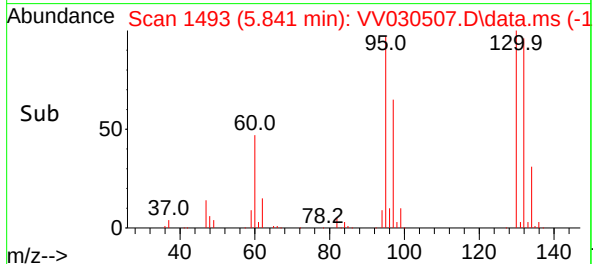
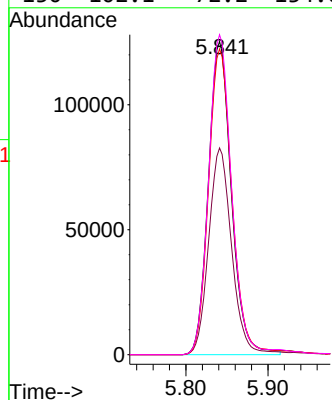
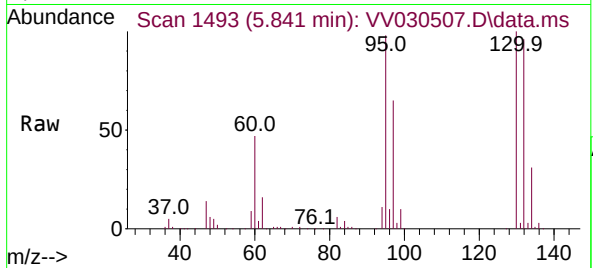




#34
Trichloroethene
Concen: 25.306 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030507.D
Acq: 11 Apr 2023 20:18

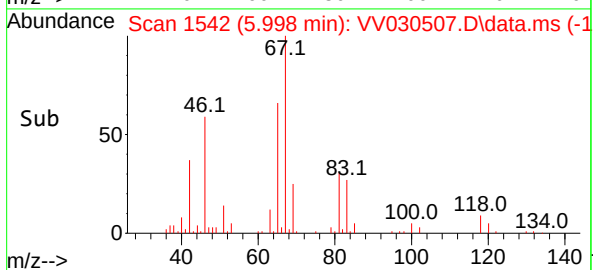
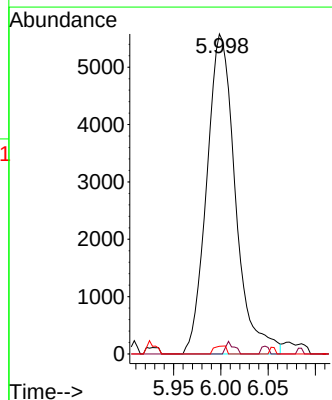
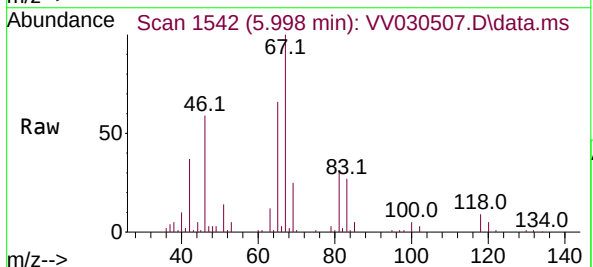
Instrument :
MSVOA_V
ClientSampleId :
BHD5

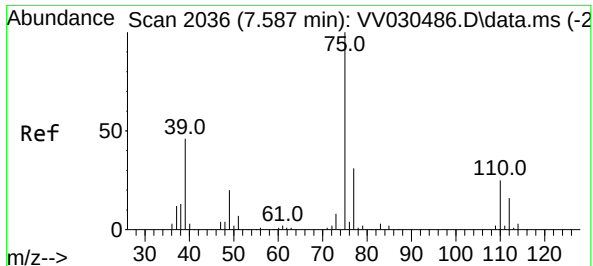
Tgt Ion: 95 Resp: 245005
Ion Ratio Lower Upper
95 100
97 65.9 44.2 82.2
132 97.6 69.5 129.1
130 102.1 72.2 134.0



#35
Methylcyclohexane
Concen: 0.774 ug/L
RT: 5.998 min Scan# 1542
Delta R.T. -0.058 min
Lab File: VV030507.D
Acq: 11 Apr 2023 20:18

Tgt Ion: 83 Resp: 11759
Ion Ratio Lower Upper
83 100
55 1.1 66.6 100.0#
98 2.6 38.6 58.0#

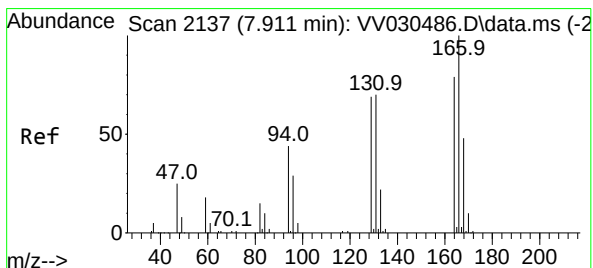
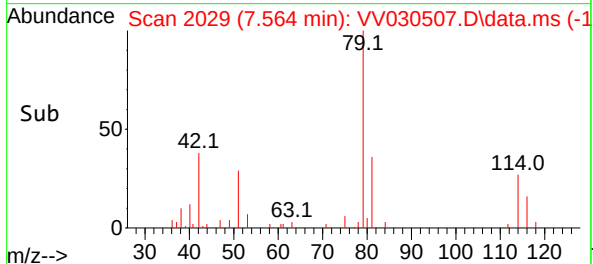
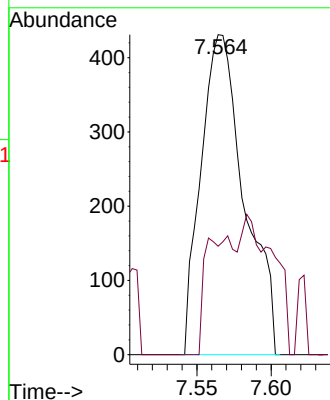
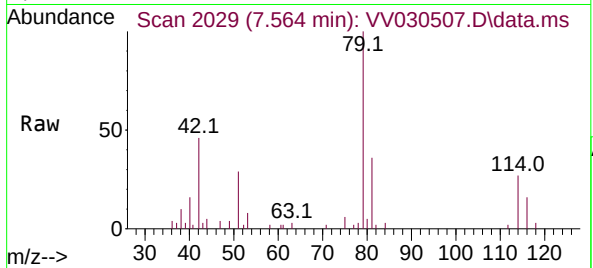




#44
trans-1,3-Dichloropropene
Concen: 0.080 ug/L
RT: 7.564 min Scan# 2036
Delta R.T. -0.022 min
Lab File: VV030507.D
Acq: 11 Apr 2023 20:18

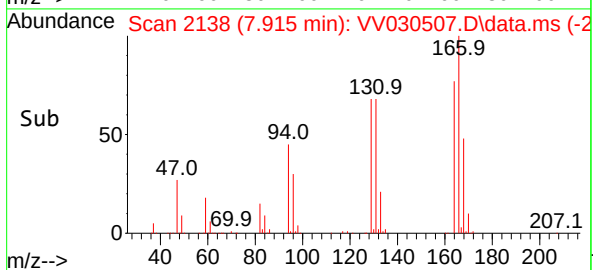
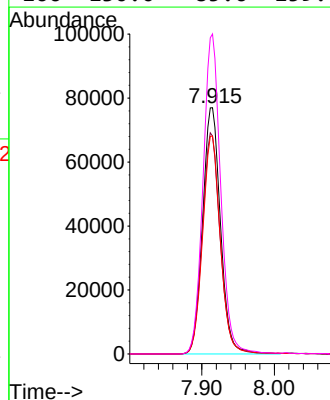
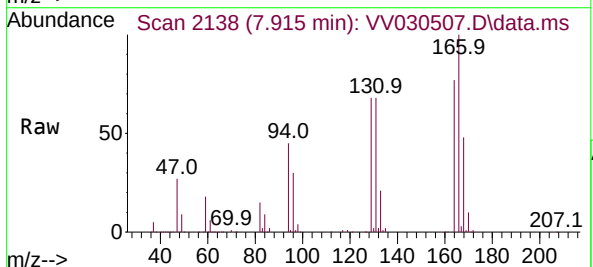
Instrument :
MSVOA_V
ClientSampleId :
BHD5

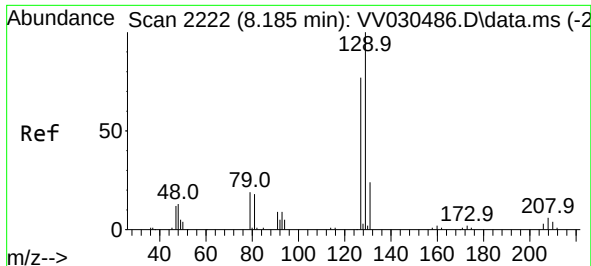
Tgt Ion: 75 Resp: 877
Ion Ratio Lower Upper
75 100
77 33.9 21.2 39.4



#47
Tetrachloroethene
Concen: 15.442 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030507.D
Acq: 11 Apr 2023 20:18

Tgt Ion: 164 Resp: 131947
Ion Ratio Lower Upper
164 100
129 88.5 60.8 112.8
131 88.5 61.7 114.7
166 130.0 85.6 159.0

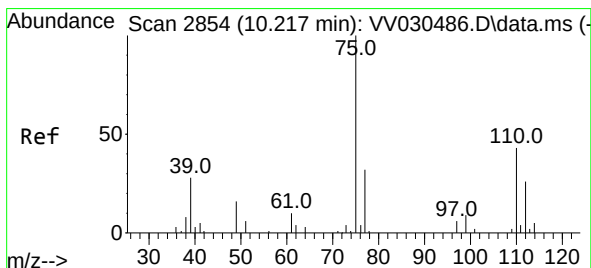
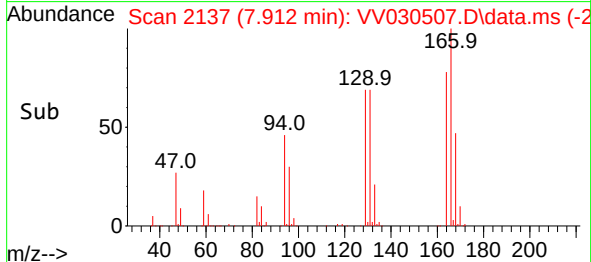
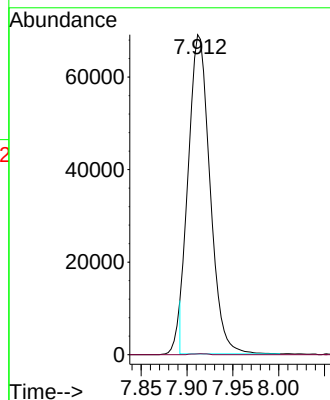
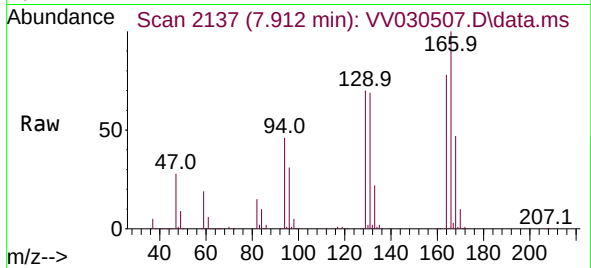




#49
Dibromochloromethane
Concen: 14.562 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. -0.273 min
Lab File: VV030507.D
Acq: 11 Apr 2023 20:18

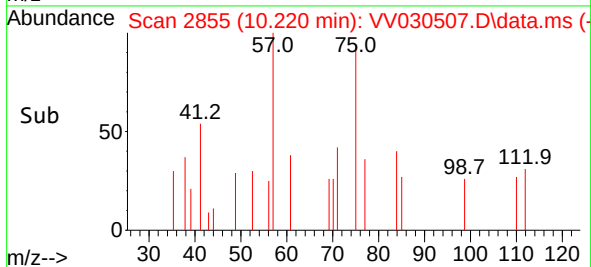
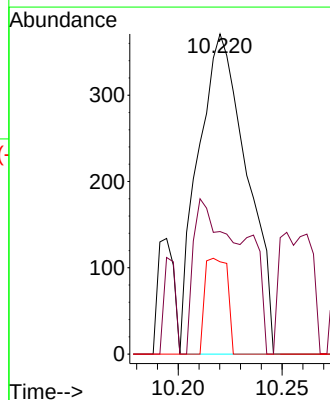
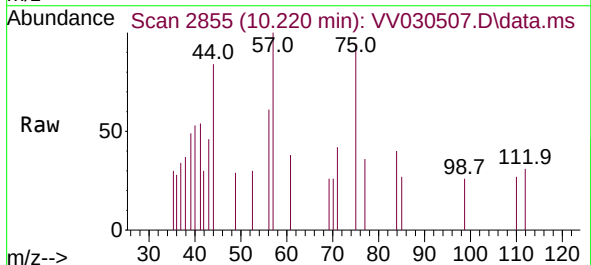
Instrument :
MSVOA_V
ClientSampleId :
BHD5

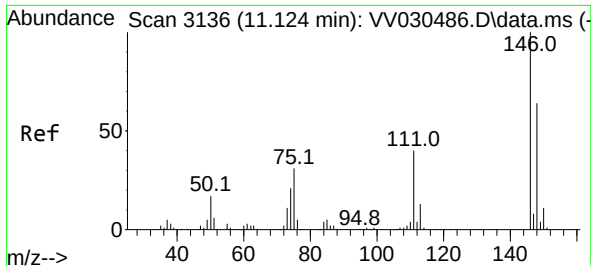
Tgt Ion:129 Resp: 112480
Ion Ratio Lower Upper
129 100
127 0.2 52.7 97.9#



#61
1,2,3-Trichloropropane
Concen: 0.122 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030507.D
Acq: 11 Apr 2023 20:18

Tgt Ion: 75 Resp: 607
Ion Ratio Lower Upper
75 100
77 36.7 26.0 39.0
110 13.7 31.6 47.4#

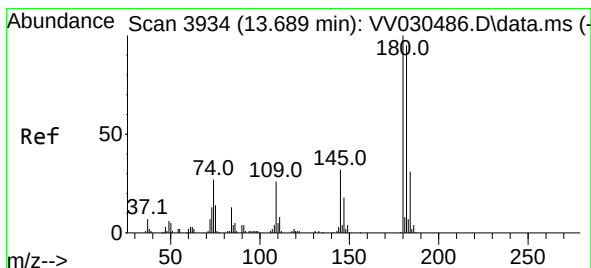
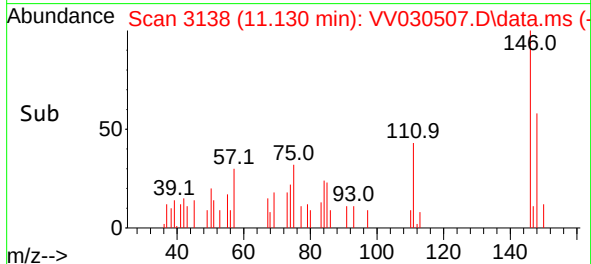
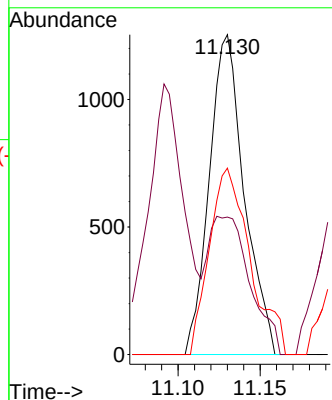
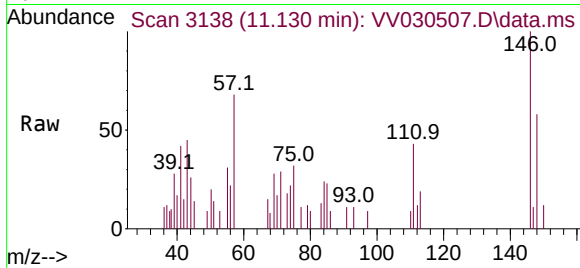




#64
1,3-Dichlorobenzene
Concen: 0.091 ug/L
RT: 11.130 min Scan# 3136
Delta R.T. 0.006 min
Lab File: VV030507.D
Acq: 11 Apr 2023 20:18

Instrument :
MSVOA_V
ClientSampleId :
BHD5

Tgt Ion:146 Resp: 1855
Ion Ratio Lower Upper
146 100
111 43.0 27.0 50.2
148 58.3 44.2 82.2



#72
1,2,3-Trichlorobenzene
Concen: 0.341 ug/L
RT: 13.715 min Scan# 3942
Delta R.T. 0.026 min
Lab File: VV030507.D
Acq: 11 Apr 2023 20:18

Tgt Ion:180 Resp: 3589
Ion Ratio Lower Upper
180 100
182 0.0 76.6 115.0#
145 5.2 25.0 37.4#

