

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041223\
 Data File : VW030520.D
 Acq On : 12 Apr 2023 16:10
 Operator : SY/MD
 Sample : 02275-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDZ0

Quant Time: Apr 13 02:49:55 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	73409	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	74302	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.198	152	36622	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	17370	3.573	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.400%
7) Chloroethane-d5	1.536	69	18284	3.875	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.600%
11) 1,1-Dichloroethene-d2	2.066	63	44049	3.818	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.400%
20) 2-Butanone-d5	3.802	46	82968	66.023	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.040%#
24) Chloroform-d	4.262	84	49313	4.191	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
26) 1,2-Dichloroethane-d4	4.957	65	28896	5.205	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
32) Benzene-d6	4.973	84	82918	3.960	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.200%
36) 1,2-Dichloropropane-d6	6.002	67	28208	4.303	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.000%
41) Toluene-d8	7.252	98	69755	3.628	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.600%
43) trans-1,3-Dichloroprop...	7.564	79	10692	4.332	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.600%
46) 2-Hexanone-d5	8.034	63	59085	59.577	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.160%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	27504	5.324	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.400%
66) 1,2-Dichlorobenzene-d4	11.570	152	30890	4.719	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	2805	0.238	ug/L	100
6) Bromomethane	1.494	94	476	0.194	ug/L	91
9) Trichlorofluoromethane	1.716	101	185534	14.825	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	1014	0.147	ug/L #	73
12) 1,1-Dichloroethene	2.076	96	21140	3.447	ug/L	90
13) Acetone	2.124	43	5403	4.496	ug/L	80
17) Methyl tert-butyl Ether	2.712	73	9183	0.707	ug/L #	91
19) 1,1-Dichloroethane	3.121	63	80775	6.448	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	99966	15.415	ug/L #	96
25) Chloroform	4.291	83	22422	1.771	ug/L	94
27) 1,2-Dichloroethane	5.059	62	4074	0.532	ug/L	95
29) 1,1,1-Trichloroethane	4.519	97	8342	0.699	ug/L	97
31) Carbon tetrachloride	4.748	117	1172	0.108	ug/L	97
33) Benzene	5.024	78	10052	0.381	ug/L	100
34) Trichloroethene	5.841	95	235710	33.117	ug/L	98
44) trans-1,3-Dichloropropene	7.567	75	790	0.097	ug/L #	36
45) 1,1,2-Trichloroethane	7.789	97	543	0.114	ug/L	81
47) Tetrachloroethene	7.915	164	35374	5.631	ug/L	95
49) Dibromochloromethane	7.915	129	30397	5.353	ug/L #	12

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Apr 13 02:44:31 2023
Response via : Initial Calibration

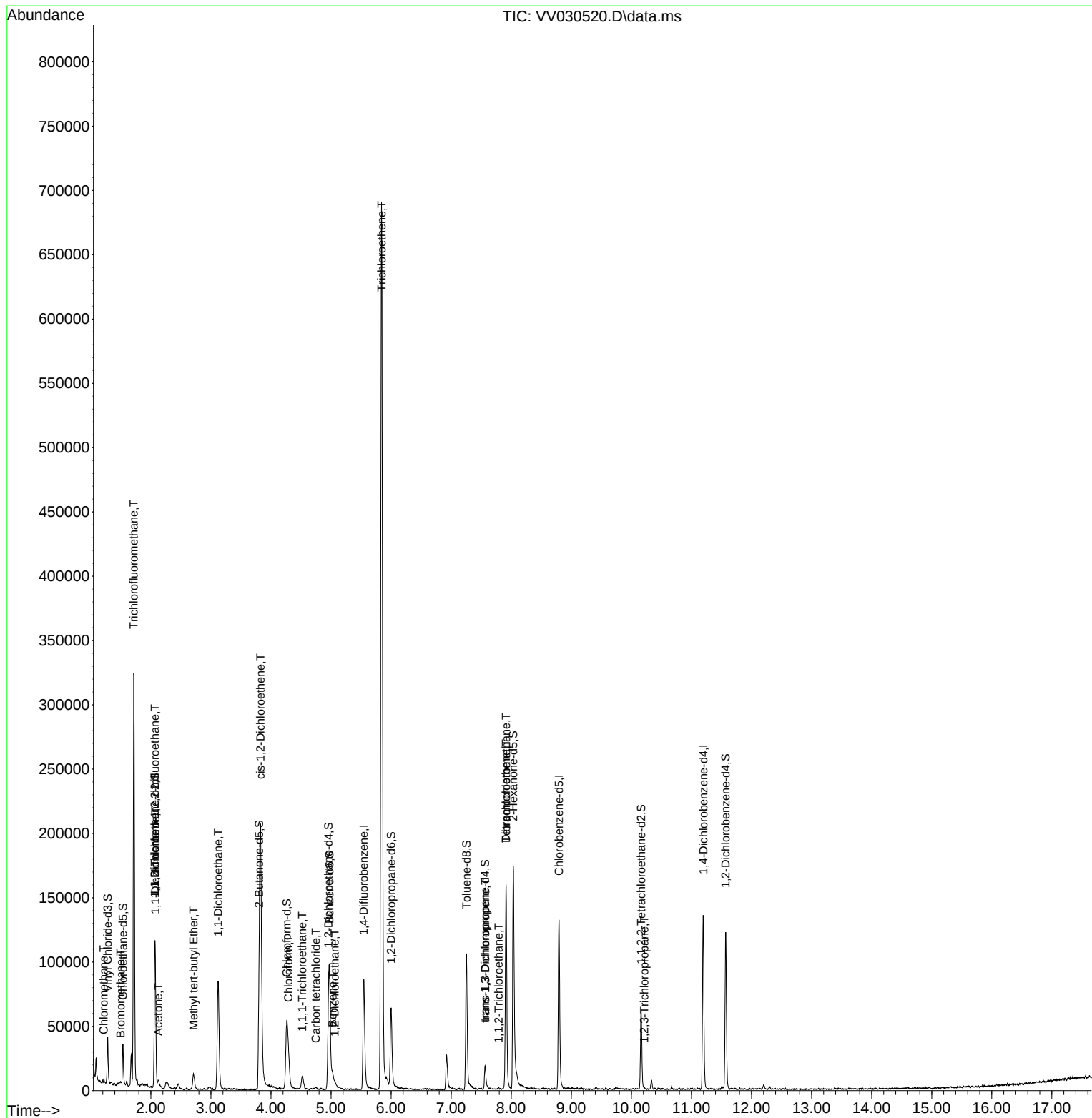
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.217	75	463	0.141	ug/L #	57

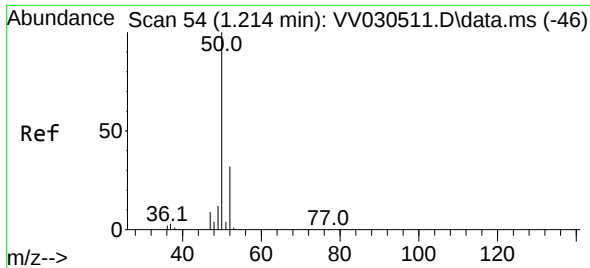
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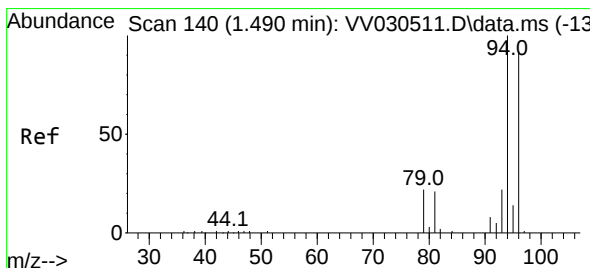
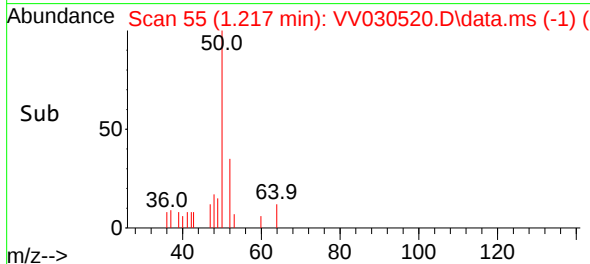
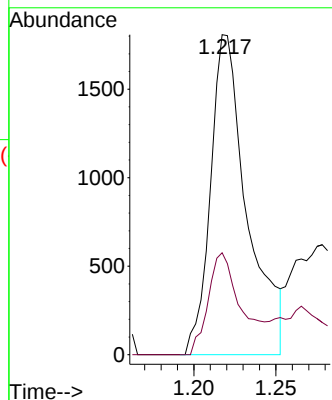
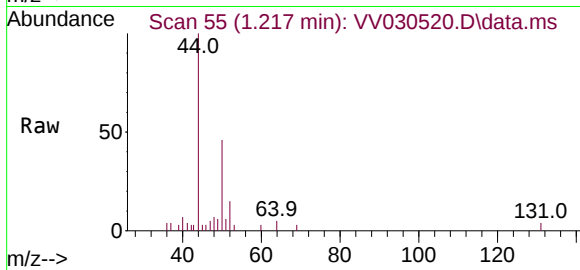




#3
Chloromethane
Concen: 0.238 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV030520.D
Acq: 12 Apr 2023 16:10

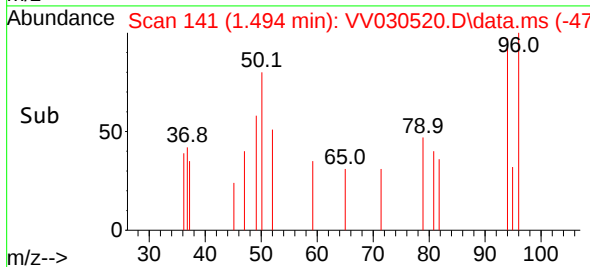
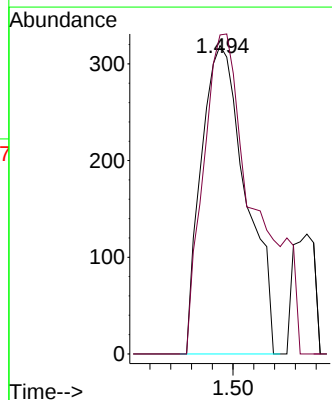
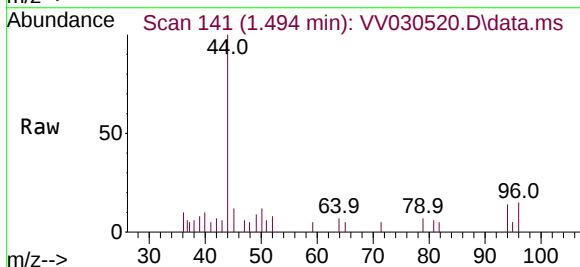
Instrument :
MSVOA_V
ClientSampleId :
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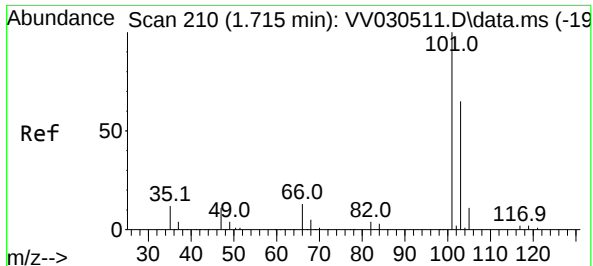
Tgt Ion: 50 Resp: 2805
Ion Ratio Lower Upper
50 100
52 31.9 22.3 41.5



#6
Bromomethane
Concen: 0.194 ug/L
RT: 1.494 min Scan# 141
Delta R.T. 0.003 min
Lab File: VV030520.D
Acq: 12 Apr 2023 16:10

Tgt Ion: 94 Resp: 476
Ion Ratio Lower Upper
94 100
96 103.4 66.1 122.7

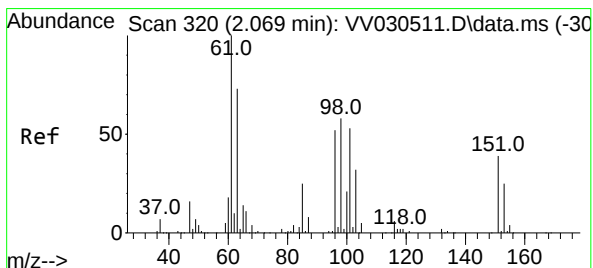
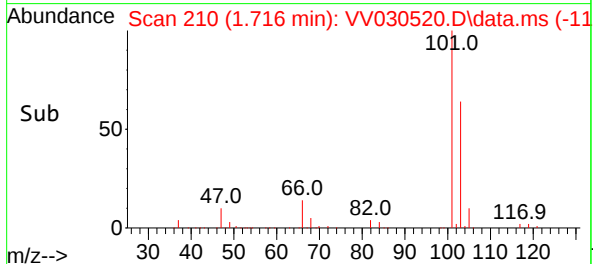
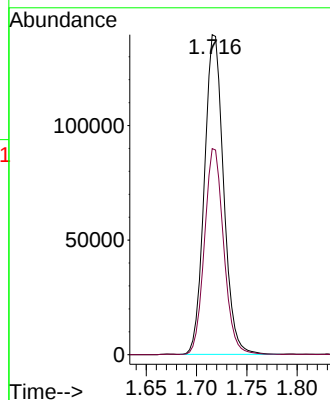
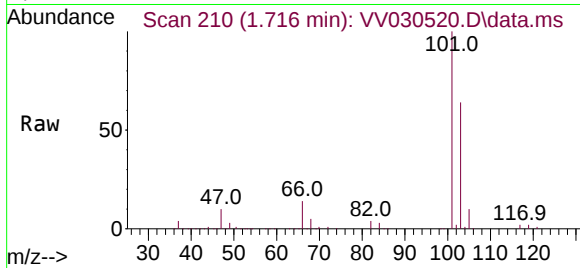




#9
 Trichlorofluoromethane
 Concen: 14.825 ug/L
 RT: 1.716 min Scan# 210
 Delta R.T. 0.000 min
 Lab File: VV030520.D
 Acq: 12 Apr 2023 16:10

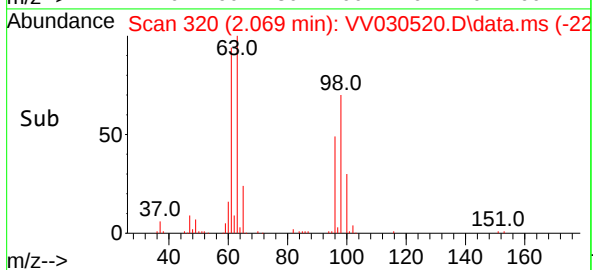
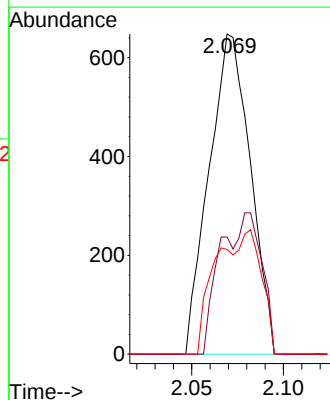
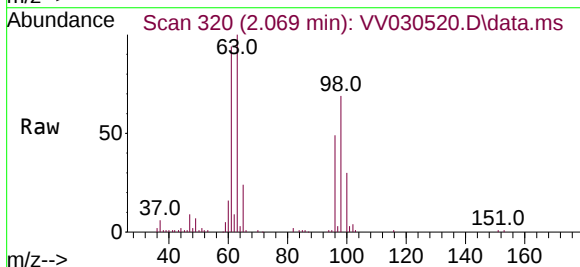
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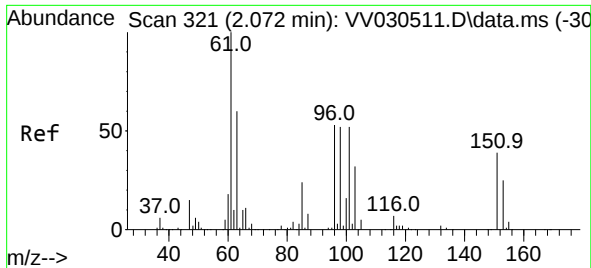
Tgt Ion:101 Resp: 185534
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.0 76.6



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.147 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV030520.D
 Acq: 12 Apr 2023 16:10

Tgt Ion:101 Resp: 1014
 Ion Ratio Lower Upper
 101 100
 85 44.2 38.1 57.1
 151 43.1 62.7 94.1#

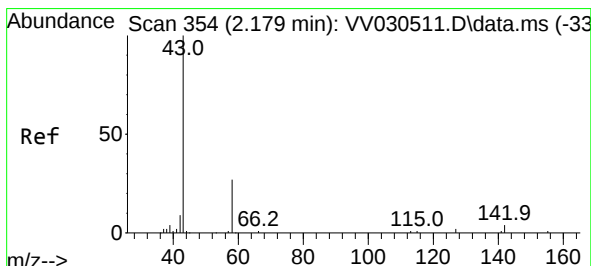
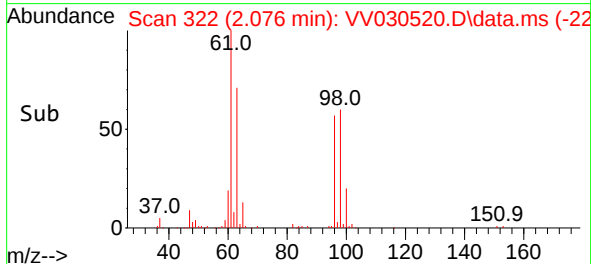
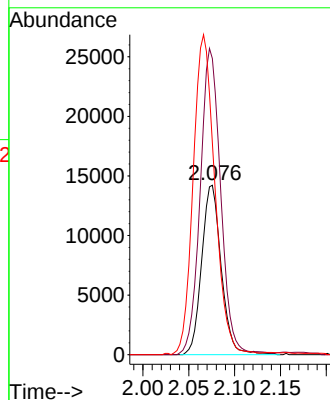
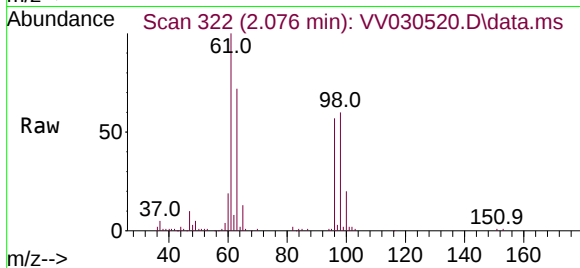




#12
1,1-Dichloroethene
Concen: 3.447 ug/L
RT: 2.076 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030520.D
Acq: 12 Apr 2023 16:10

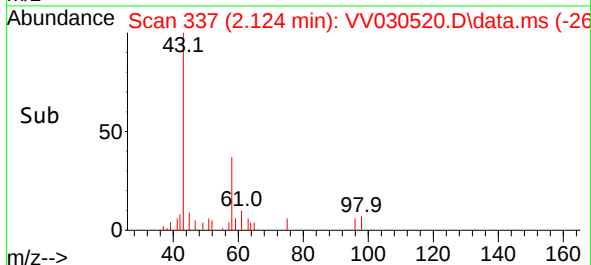
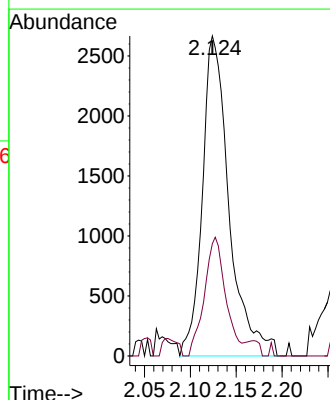
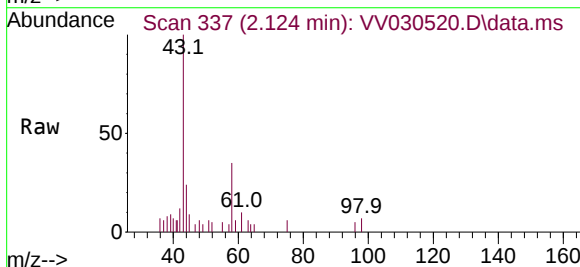
Instrument :
MSVOA_V
ClientSampleId :
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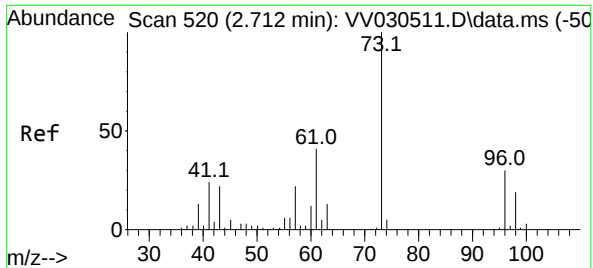
Tgt Ion: 96 Resp: 21140
Ion Ratio Lower Upper
96 100
61 174.9 136.3 253.1
63 125.2 92.1 171.1



#13
Acetone
Concen: 4.496 ug/L
RT: 2.124 min Scan# 337
Delta R.T. -0.055 min
Lab File: VV030520.D
Acq: 12 Apr 2023 16:10

Tgt Ion: 43 Resp: 5403
Ion Ratio Lower Upper
43 100
58 29.6 0.0 40.8

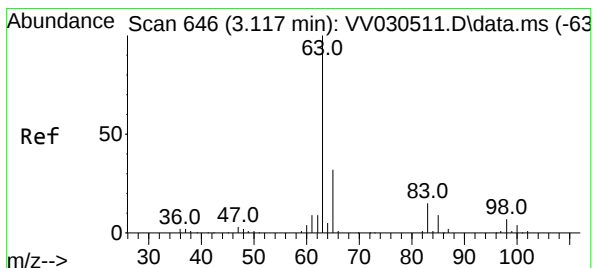
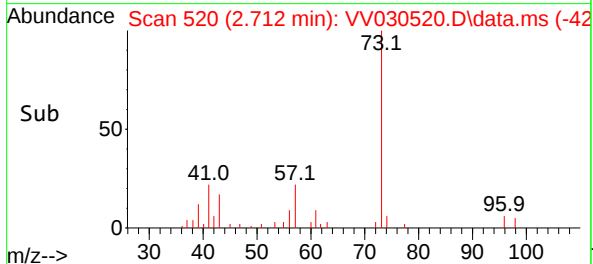
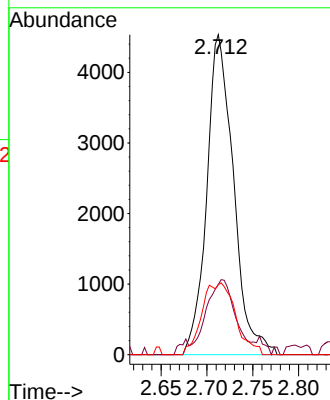
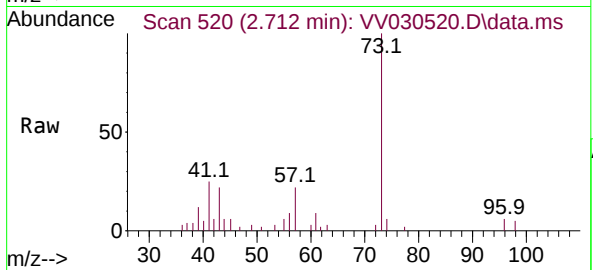




#17
Methyl tert-butyl Ether
Concen: 0.707 ug/L
RT: 2.712 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV030520.D
Acq: 12 Apr 2023 16:10

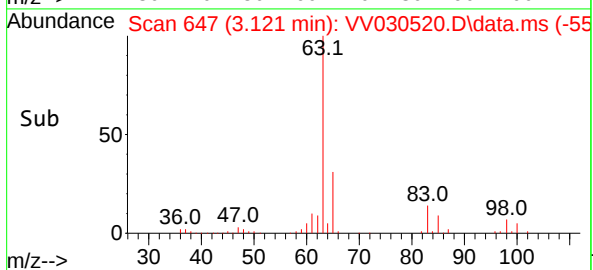
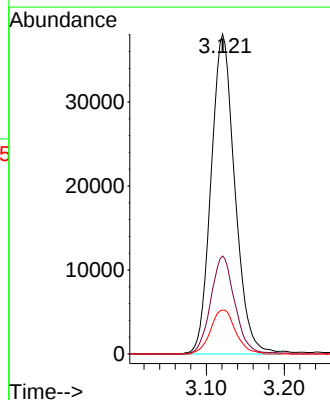
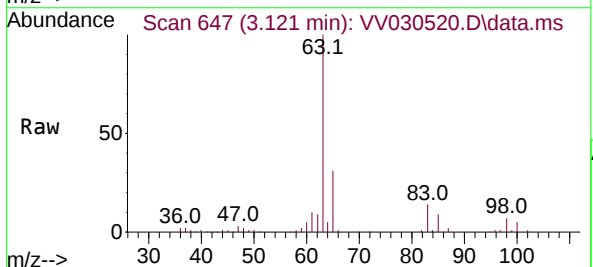
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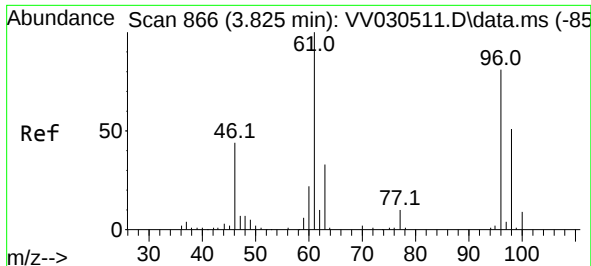
Tgt Ion: 73 Resp: 9183
Ion Ratio Lower Upper
73 100
43 25.3 17.4 26.2
57 28.3 18.3 27.5#



#19
1,1-Dichloroethane
Concen: 6.448 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030520.D
Acq: 12 Apr 2023 16:10

Tgt Ion: 63 Resp: 80775
Ion Ratio Lower Upper
63 100
65 30.6 21.7 40.3
83 13.7 9.1 16.9

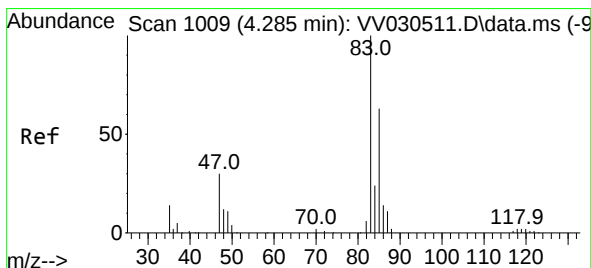
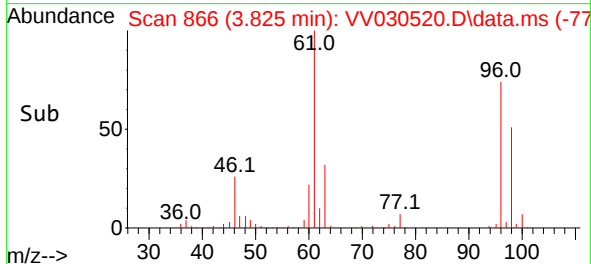
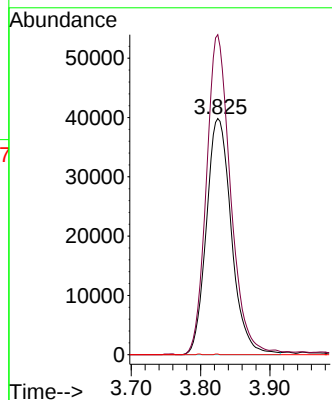
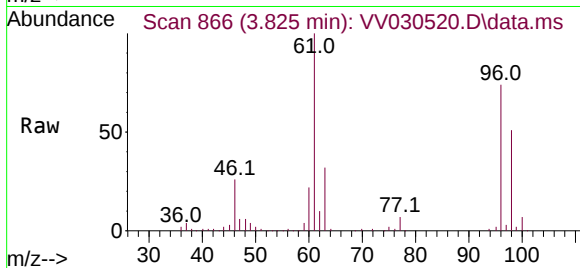




#22
 cis-1,2-Dichloroethene
 Concen: 15.415 ug/L
 RT: 3.825 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VV030520.D
 Acq: 12 Apr 2023 16:10

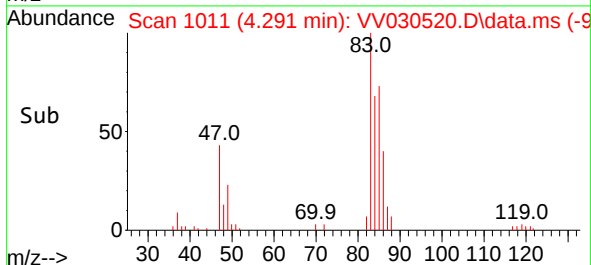
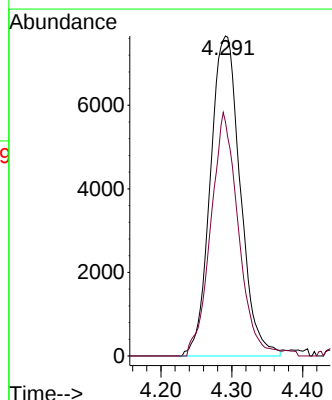
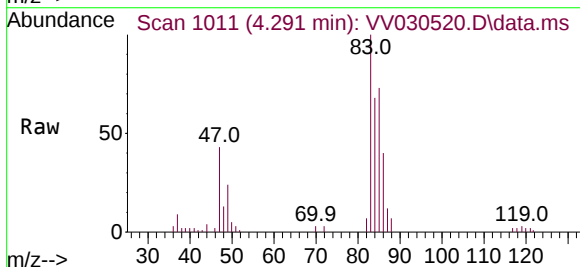
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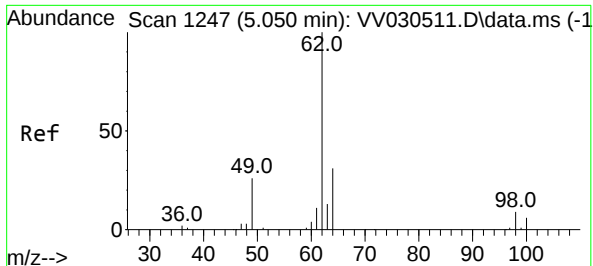
Tgt Ion: 96 Resp: 99966
 Ion Ratio Lower Upper
 96 100
 61 135.5 92.0 170.8
 68 0.3 0.0 0.0#



#25
 Chloroform
 Concen: 1.771 ug/L
 RT: 4.291 min Scan# 1011
 Delta R.T. 0.007 min
 Lab File: VV030520.D
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Tgt Ion: 83 Resp: 22422
 Ion Ratio Lower Upper
 83 100
 85 73.2 47.6 88.4

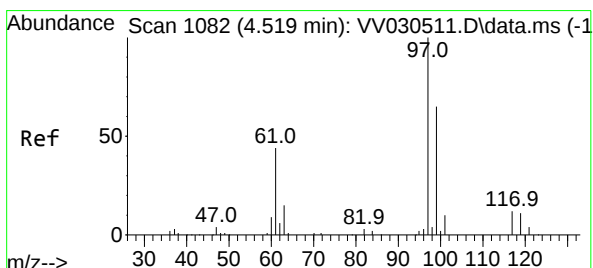
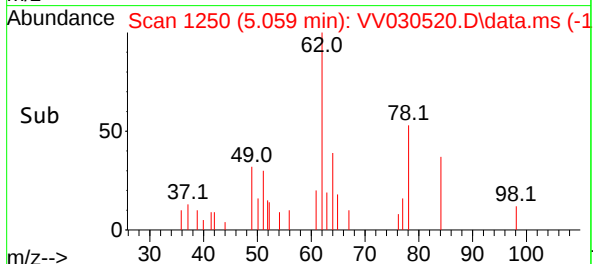
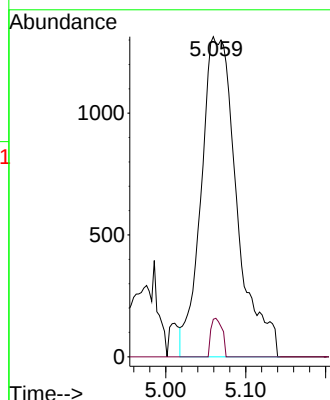
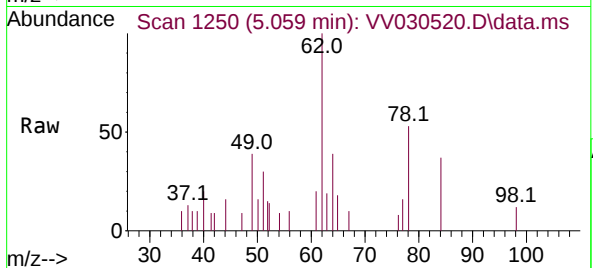




#27
1,2-Dichloroethane
Concen: 0.532 ug/L
RT: 5.059 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV030520.D
Acq: 12 Apr 2023 16:10

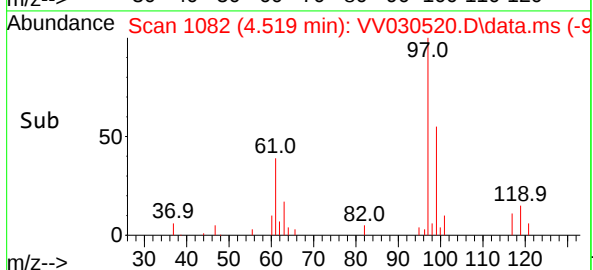
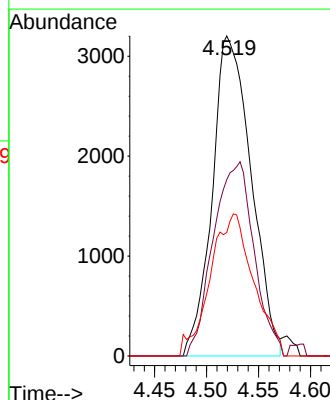
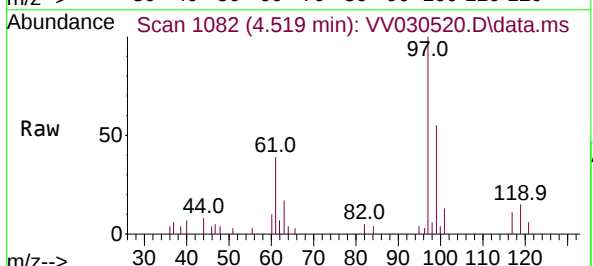
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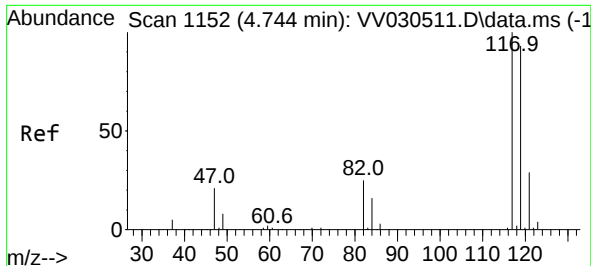
Tgt Ion: 62 Resp: 4074
Ion Ratio Lower Upper
62 100
98 11.7 7.8 11.8



#29
1,1,1-Trichloroethane
Concen: 0.699 ug/L
RT: 4.519 min Scan# 1082
Delta R.T. 0.000 min
Lab File: VV030520.D
Acq: 12 Apr 2023 16:10

Tgt Ion: 97 Resp: 8342
Ion Ratio Lower Upper
97 100
99 63.4 50.9 76.3
61 49.4 35.9 53.9

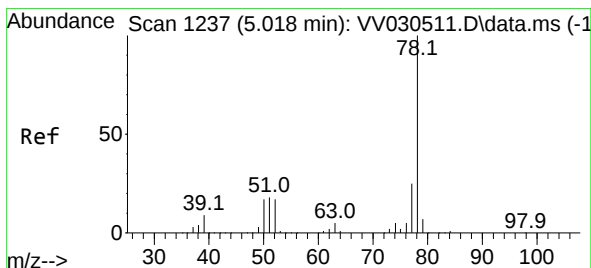
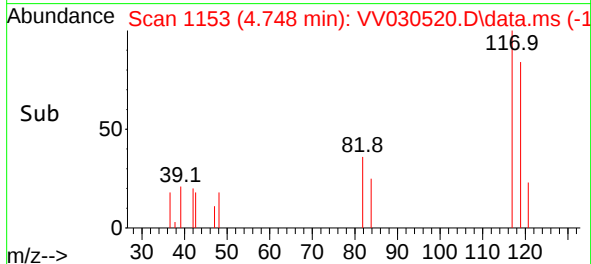
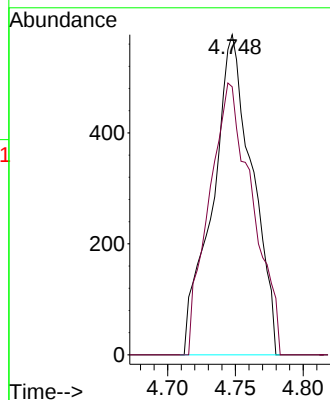
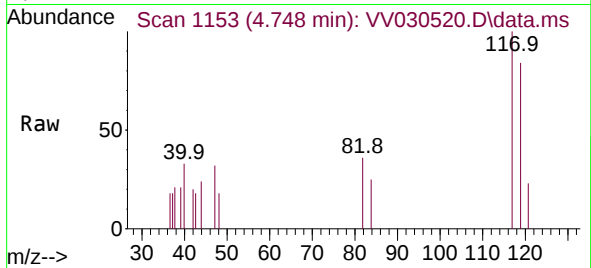




#31
Carbon tetrachloride
Concen: 0.108 ug/L
RT: 4.748 min Scan# 1152
Delta R.T. 0.003 min
Lab File: VV030520.D
Acq: 12 Apr 2023 16:10

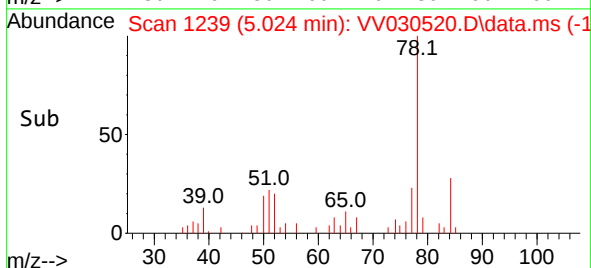
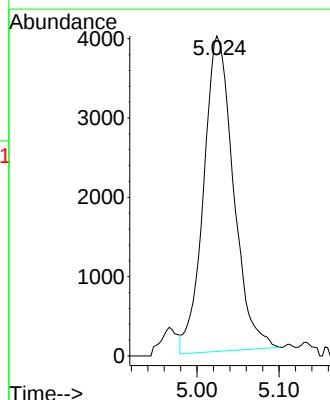
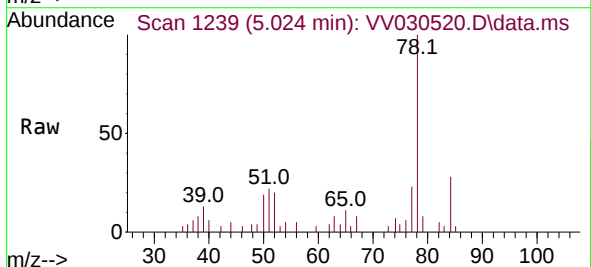
Instrument :
MSVOA_V
ClientSampleId :
BHDZ0

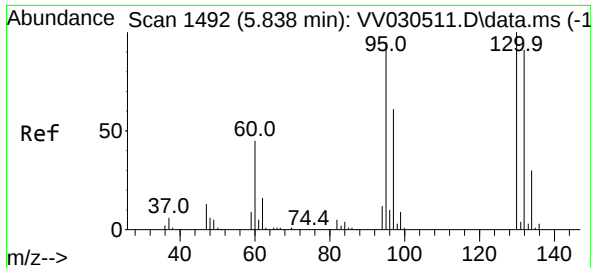
Tgt Ion:117 Resp: 1172
Ion Ratio Lower Upper
117 100
119 92.8 76.2 114.4



#33
Benzene
Concen: 0.381 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.007 min
Lab File: VV030520.D
Acq: 12 Apr 2023 16:10

Tgt Ion: 78 Resp: 10052

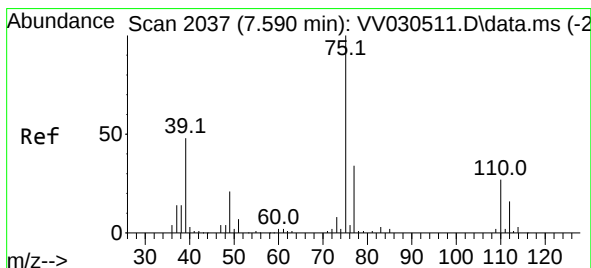
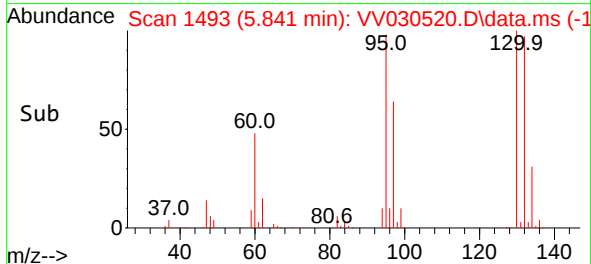
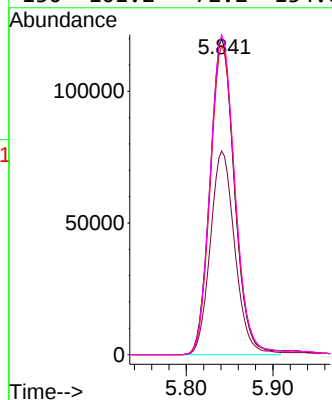
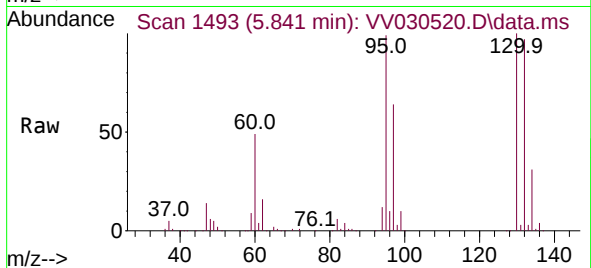




#34
Trichloroethene
Concen: 33.117 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030520.D
Acq: 12 Apr 2023 16:10

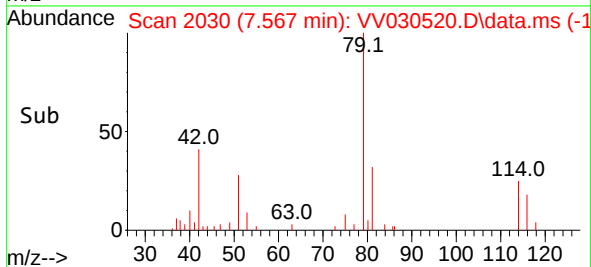
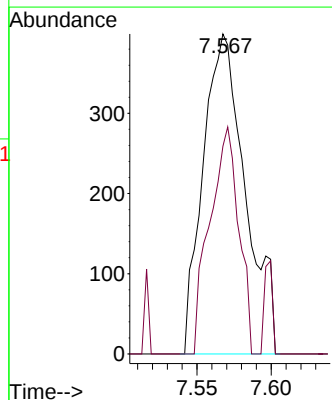
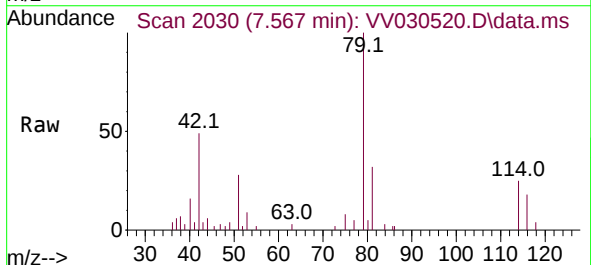
Instrument :
MSVOA_V
ClientSampleId :
BHDZ0

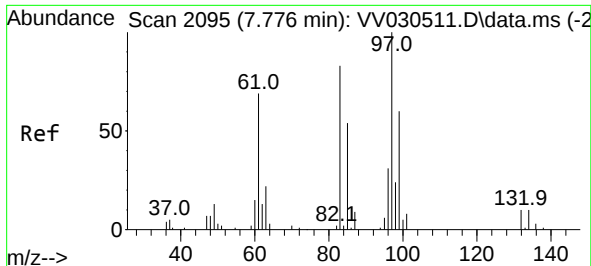
Tgt Ion: 95 Resp: 235710
Ion Ratio Lower Upper
95 100
97 64.4 44.2 82.2
132 97.8 69.5 129.1
130 101.2 72.2 134.0



#44
trans-1,3-Dichloropropene
Concen: 0.097 ug/L
RT: 7.567 min Scan# 2030
Delta R.T. -0.022 min
Lab File: VV030520.D
Acq: 12 Apr 2023 16:10

Tgt Ion: 75 Resp: 790
Ion Ratio Lower Upper
75 100
77 64.9 21.2 39.4#

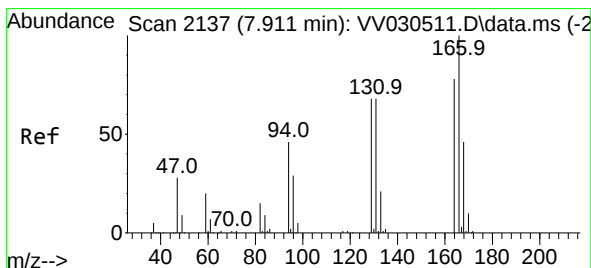
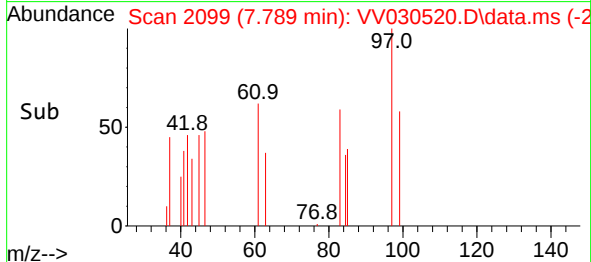
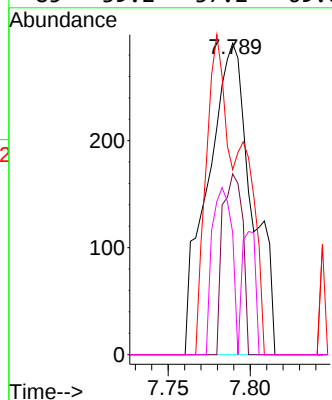
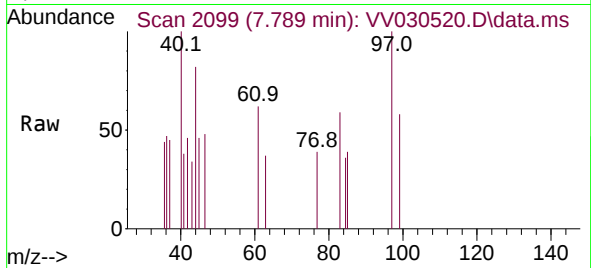




#45
1,1,2-Trichloroethane
Concen: 0.114 ug/L
RT: 7.789 min Scan# 2095
Delta R.T. 0.013 min
Lab File: VV030520.D
Acq: 12 Apr 2023 16:10

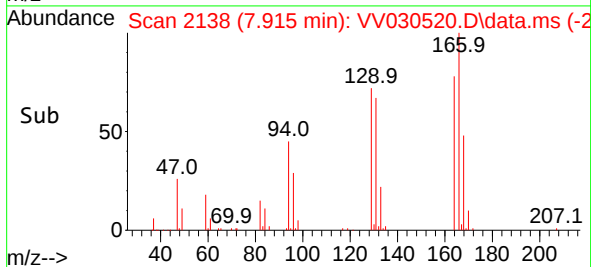
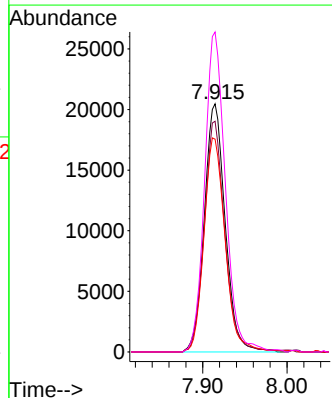
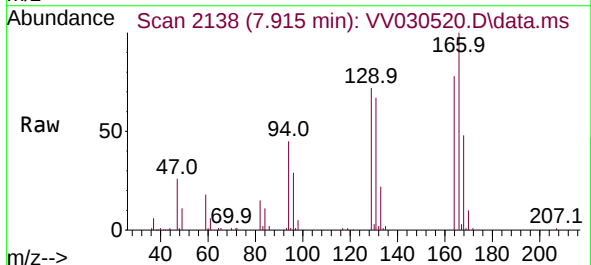
Instrument :
MSVOA_V
ClientSampleId :
BHDZ0

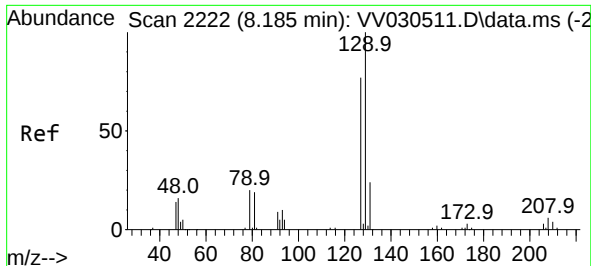
Tgt Ion: 97	Resp: 543
Ion Ratio	Lower Upper
97 100	
99 58.1	44.0 81.8
83 59.5	58.8 109.2
85 39.2	37.2 69.0



#47
Tetrachloroethene
Concen: 5.631 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030520.D
Acq: 12 Apr 2023 16:10

Tgt	Ion:164	Resp:	35374
Ion	Ratio	Lower	Upper
164	100		
129	93.0	60.8	112.8
131	85.8	61.7	114.7
166	129.0	85.6	159.0

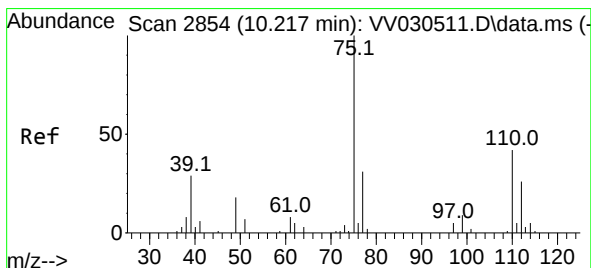
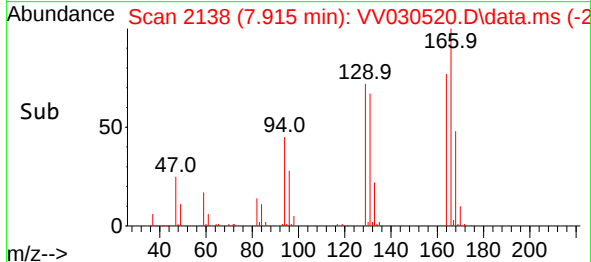
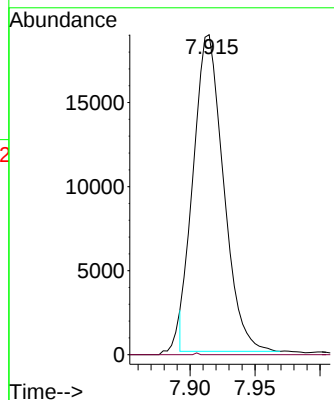
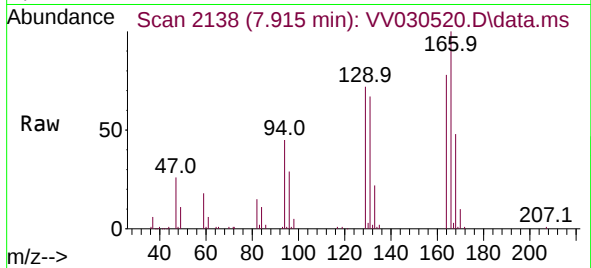




#49
Dibromochloromethane
Concen: 5.353 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. -0.270 min
Lab File: VV030520.D
Acq: 12 Apr 2023 16:10

Instrument :
MSVOA_V
ClientSampleId :
BHDZ0

Tgt Ion:129 Resp: 30397
Ion Ratio Lower Upper
129 100
127 0.0 52.7 97.9#



#61
1,2,3-Trichloropropane
Concen: 0.141 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030520.D
Acq: 12 Apr 2023 16:10

Tgt Ion: 75 Resp: 463
Ion Ratio Lower Upper
75 100
77 42.3 26.0 39.0#
110 0.0 31.6 47.4#

