

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041123\
 Data File : VW030505.D
 Acq On : 11 Apr 2023 19:28
 Operator : SY/MD
 Sample : 02250-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDx3

Quant Time: Apr 12 05:05:09 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)

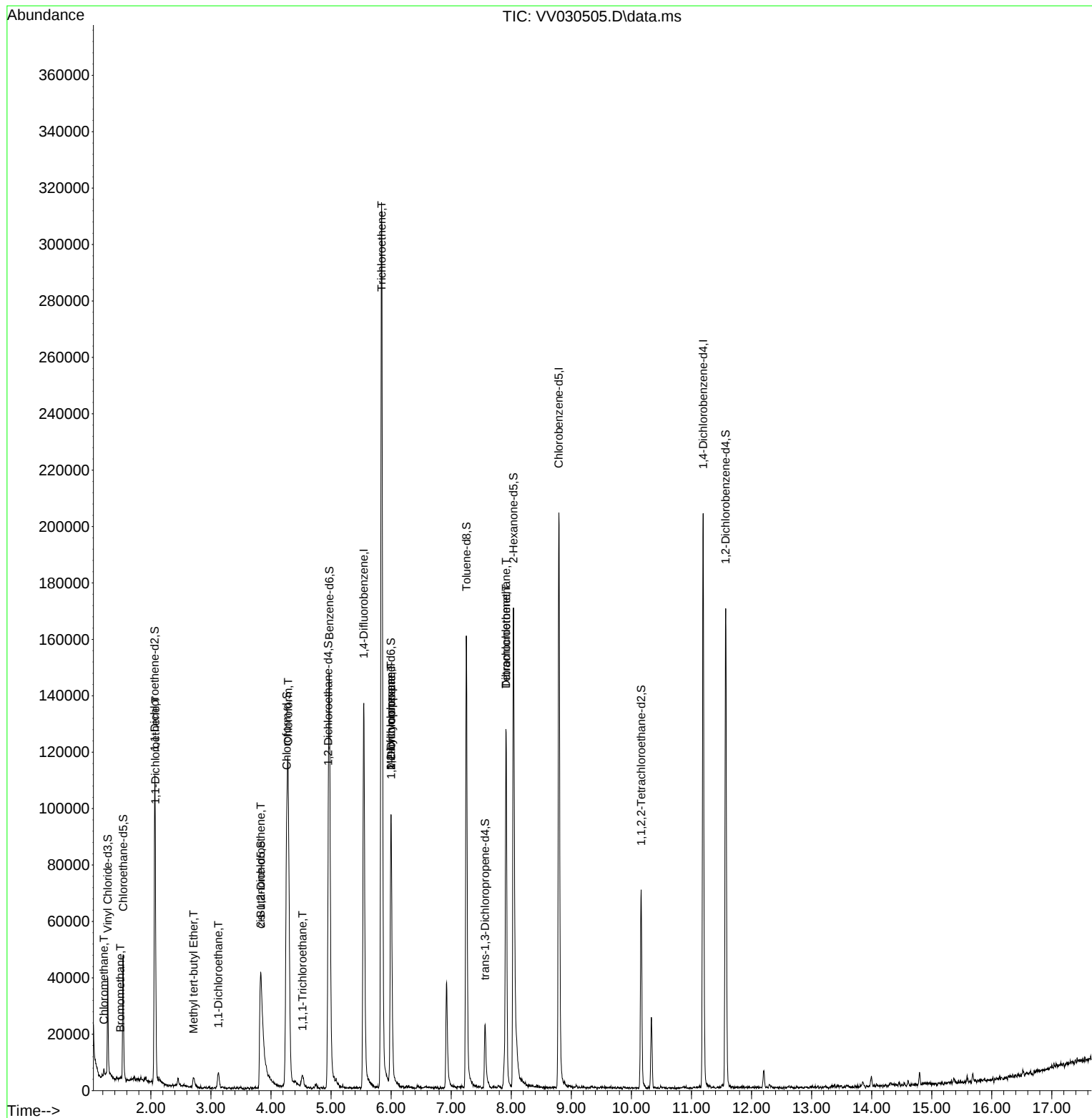
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	116257	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	112415	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	55007	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	23326	3.029	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.600%
7) Chloroethane-d5	1.539	69	27437	3.672	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.400%
11) 1,1-Dichloroethene-d2	2.063	63	52012	2.847	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.000%#
20) 2-Butanone-d5	3.828	46	82409	41.408	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.820%
24) Chloroform-d	4.262	84	79995	4.293	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
26) 1,2-Dichloroethane-d4	4.953	65	38748	4.407	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
32) Benzene-d6	4.973	84	129008	4.073	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
36) 1,2-Dichloropropane-d6	5.998	67	43373	4.373	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.400%
41) Toluene-d8	7.252	98	108318	3.723	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.400%
43) trans-1,3-Dichloroprop...	7.564	79	13708	3.671	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.400%
46) 2-Hexanone-d5	8.037	63	63053	42.023	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.040%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	32172	4.116	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.400%
66) 1,2-Dichlorobenzene-d4	11.570	152	45675	4.646	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						Qvalue
3) Chloromethane	1.220	50	1436	0.077	ug/L	99
6) Bromomethane	1.490	94	366	0.094	ug/L #	52
12) 1,1-Dichloroethene	2.076	96	11563	1.190	ug/L #	61
17) Methyl tert-butyl Ether	2.712	73	2873	0.140	ug/L #	91
19) 1,1-Dichloroethane	3.124	63	5317	0.268	ug/L	97
22) cis-1,2-Dichloroethene	3.831	96	4666	0.454	ug/L	87
25) Chloroform	4.288	83	86822	4.331	ug/L	94
29) 1,1,1-Trichloroethane	4.522	97	3366	0.186	ug/L #	85
34) Trichloroethene	5.841	95	108861	10.109	ug/L	99
35) Methylcyclohexane	5.998	83	10466	0.619	ug/L #	16
37) 1,2-Dichloropropane	6.002	63	5481	0.535	ug/L #	85
47) Tetrachloroethene	7.915	164	28384	2.987	ug/L	95
49) Dibromochloromethane	7.915	129	24165	2.813	ug/L #	12

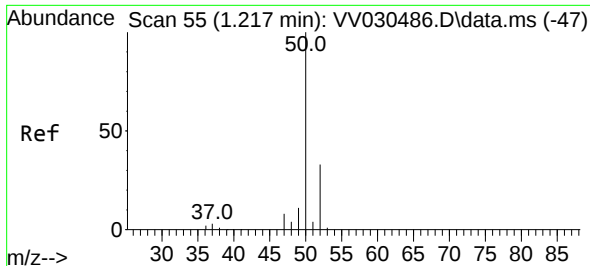
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041123\
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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHD33

Quant Time: Apr 12 05:05:09 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

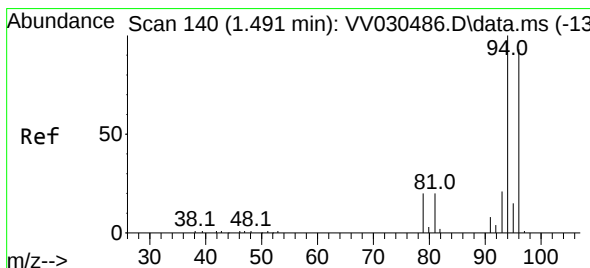
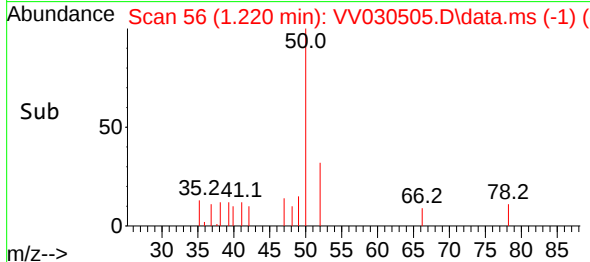
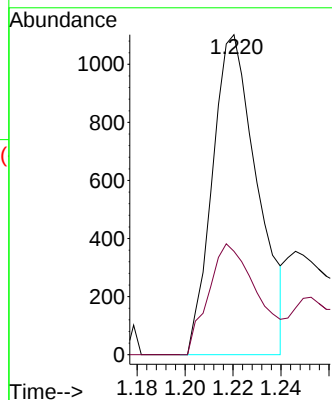
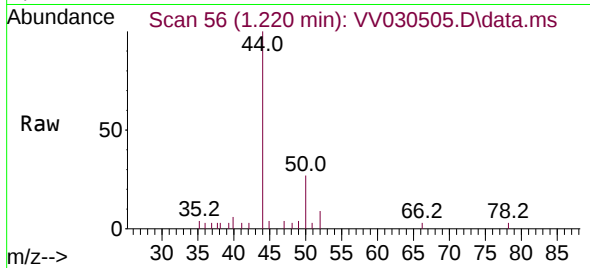




#3
Chloromethane
Concen: 0.077 ug/L
RT: 1.220 min Scan# 50
Delta R.T. 0.003 min
Lab File: VV030505.D
Acq: 11 Apr 2023 19:28

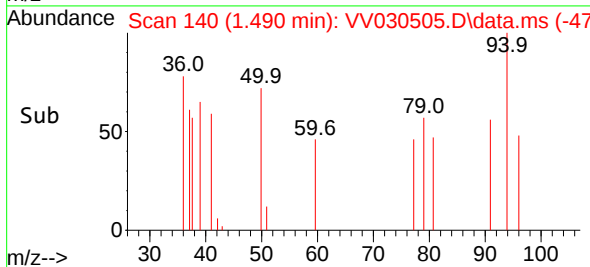
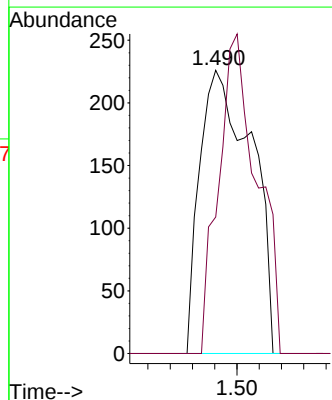
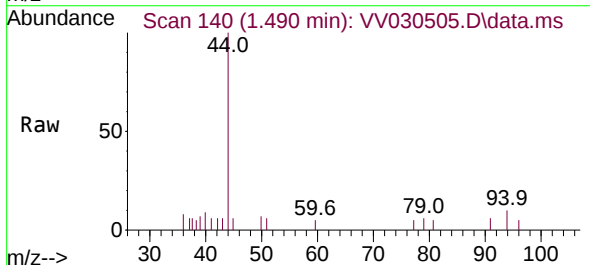
Instrument :
MSVOA_V
ClientSampleId :
BHD3

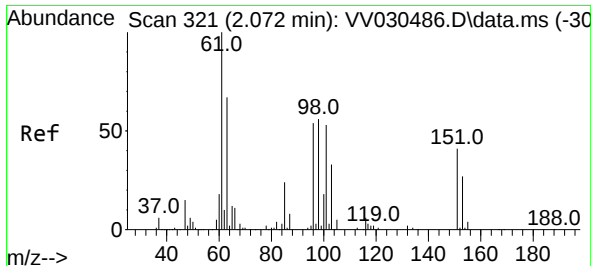
Tgt Ion: 50 Resp: 1436
Ion Ratio Lower Upper
50 100
52 32.3 22.3 41.5



#6
Bromomethane
Concen: 0.094 ug/L
RT: 1.490 min Scan# 140
Delta R.T. -0.000 min
Lab File: VV030505.D
Acq: 11 Apr 2023 19:28

Tgt Ion: 94 Resp: 366
Ion Ratio Lower Upper
94 100
96 48.2 66.1 122.7#





#12

1,1-Dichloroethene

Concen: 1.190 ug/L

RT: 2.076 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030505.D

Acq: 11 Apr 2023 19:28

Instrument :

MSVOA_V

ClientSampleId :

BHDX3

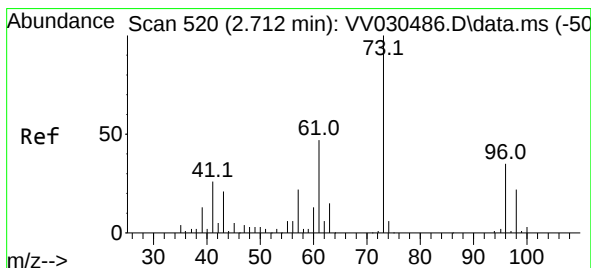
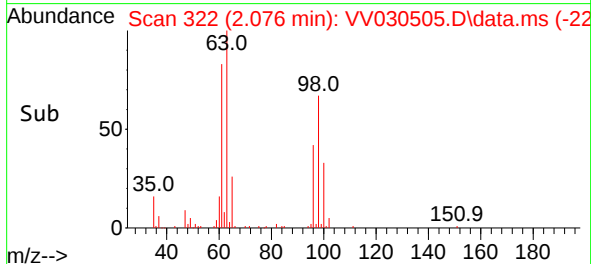
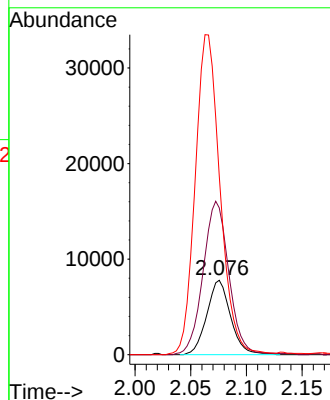
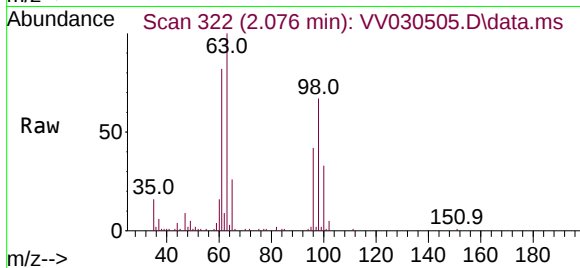
Tgt Ion: 96 Resp: 11563

Ion Ratio Lower Upper

96 100

61 197.6 136.3 253.1

63 240.8 92.1 171.1#



#17

Methyl tert-butyl Ether

Concen: 0.140 ug/L

RT: 2.712 min Scan# 520

Delta R.T. -0.000 min

Lab File: VV030505.D

Acq: 11 Apr 2023 19:28

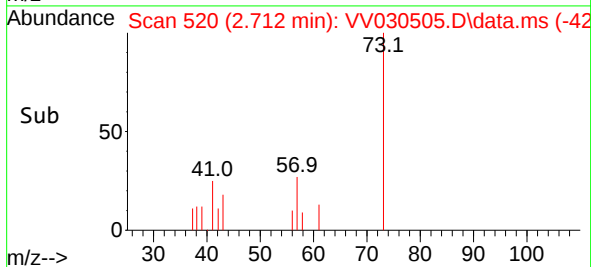
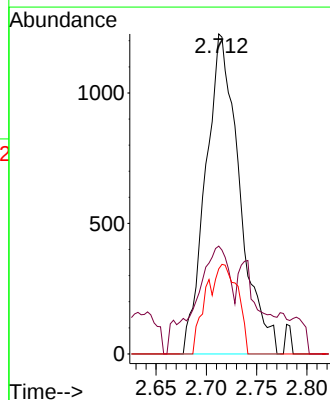
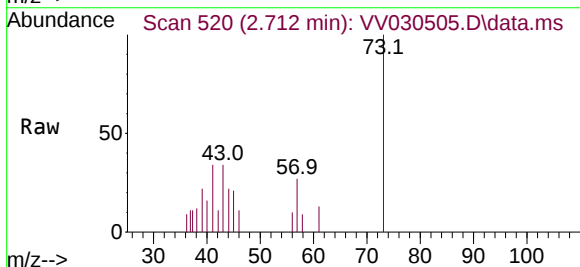
Tgt Ion: 73 Resp: 2873

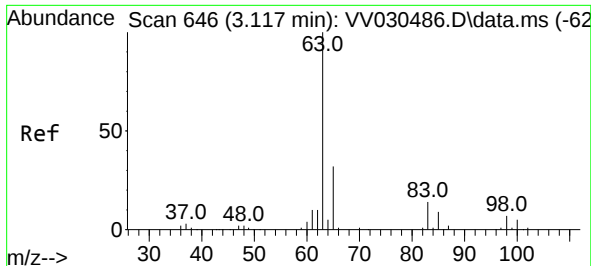
Ion Ratio Lower Upper

73 100

43 25.9 17.4 26.2

57 18.2 18.3 27.5#





#19

1,1-Dichloroethane

Concen: 0.268 ug/L

RT: 3.124 min Scan# 64

Delta R.T. 0.006 min

Lab File: VV030505.D

Acq: 11 Apr 2023 19:28

Instrument :

MSVOA_V

ClientSampleId :

BHDX3

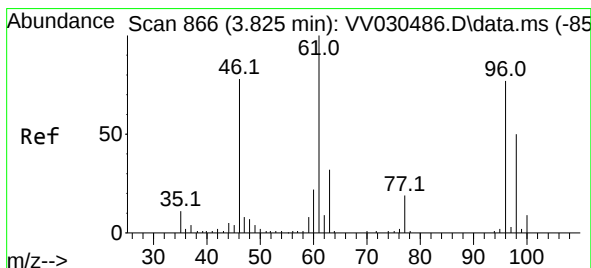
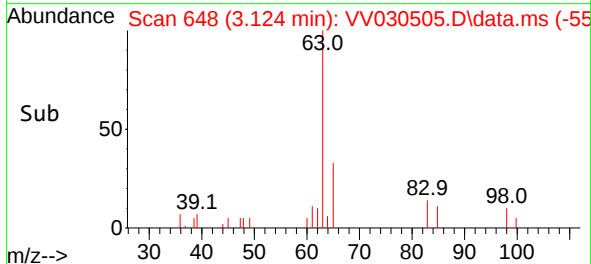
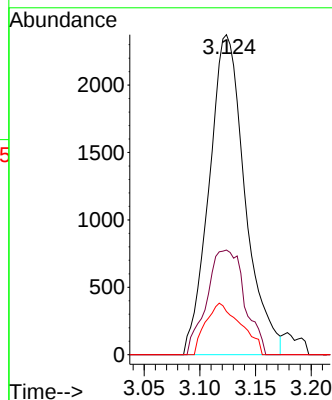
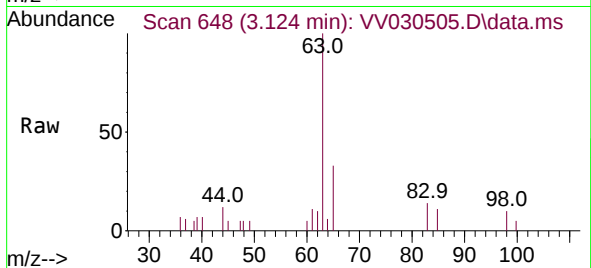
Tgt Ion: 63 Resp: 5317

Ion Ratio Lower Upper

63 100

65 32.7 21.7 40.3

83 13.5 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 0.454 ug/L

RT: 3.831 min Scan# 868

Delta R.T. 0.006 min

Lab File: VV030505.D

Acq: 11 Apr 2023 19:28

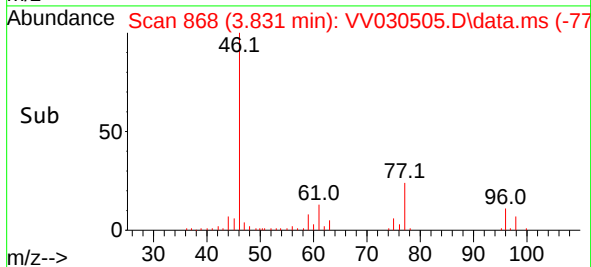
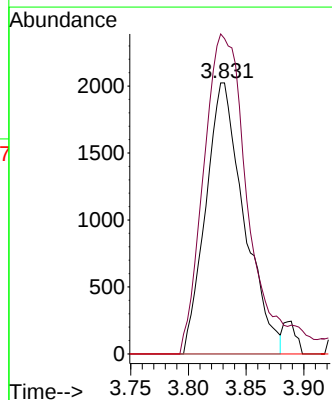
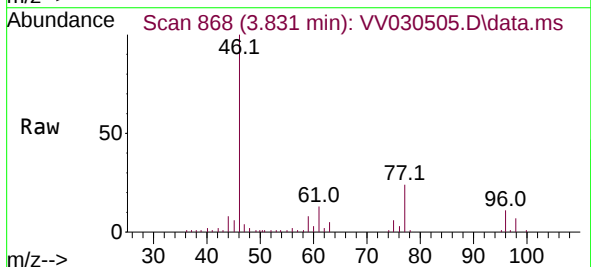
Tgt Ion: 96 Resp: 4666

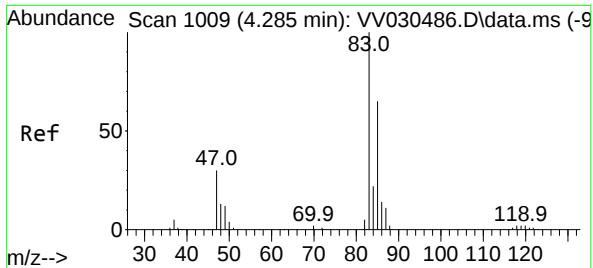
Ion Ratio Lower Upper

96 100

61 116.3 92.0 170.8

68 0.0 0.0 0.0

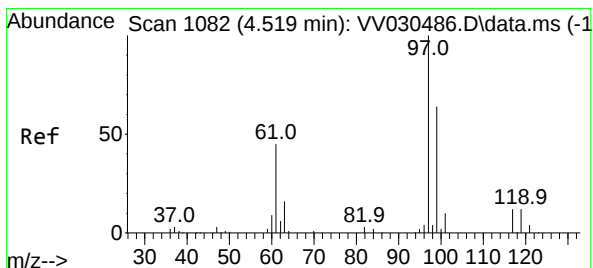
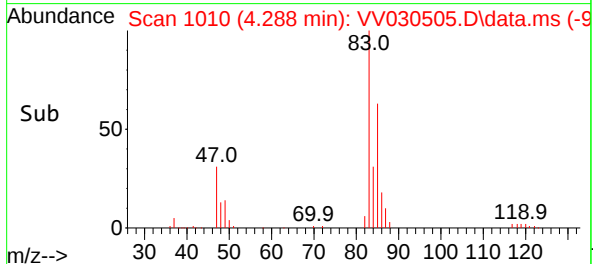
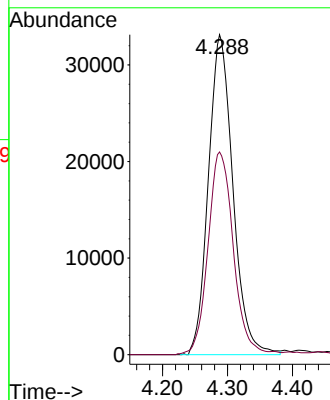
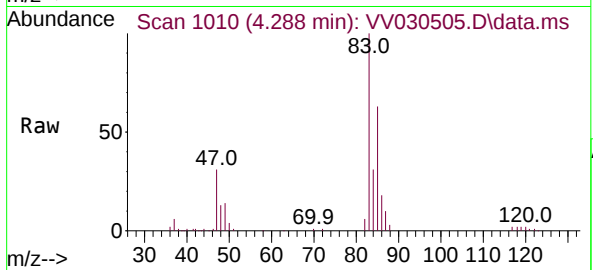




#25
Chloroform
Concen: 4.331 ug/L
RT: 4.288 min Scan# 1009
Delta R.T. 0.003 min
Lab File: VV030505.D
Acq: 11 Apr 2023 19:28

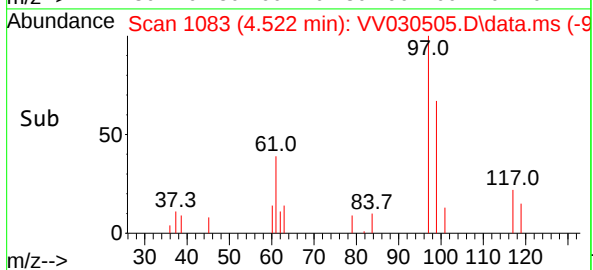
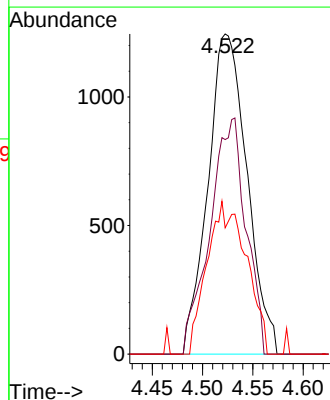
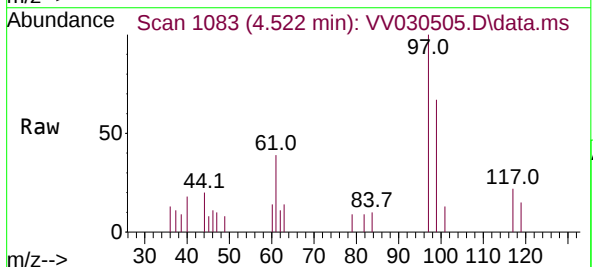
Instrument :
MSVOA_V
ClientSampleId :
BHD3

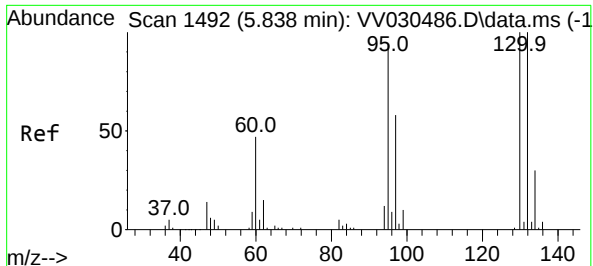
Tgt Ion: 83 Resp: 86822
Ion Ratio Lower Upper
83 100
85 63.4 47.6 88.4



#29
1,1,1-Trichloroethane
Concen: 0.186 ug/L
RT: 4.522 min Scan# 1083
Delta R.T. 0.003 min
Lab File: VV030505.D
Acq: 11 Apr 2023 19:28

Tgt Ion: 97 Resp: 3366
Ion Ratio Lower Upper
97 100
99 68.1 50.9 76.3
61 26.2 35.9 53.9#

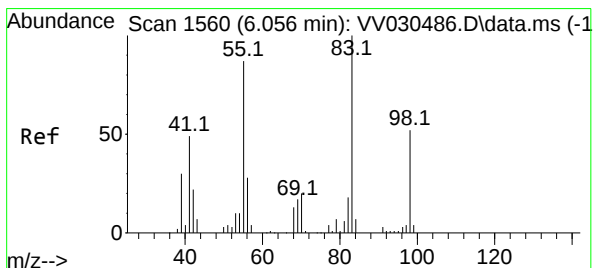
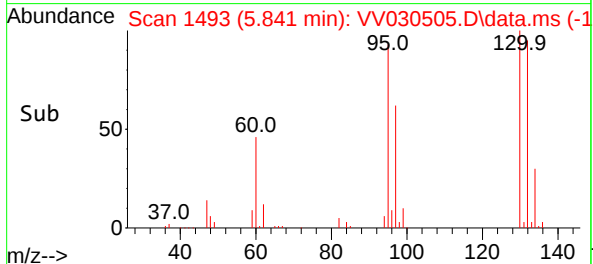
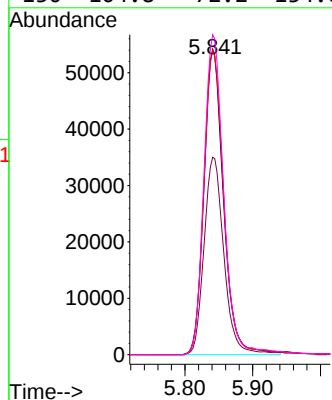
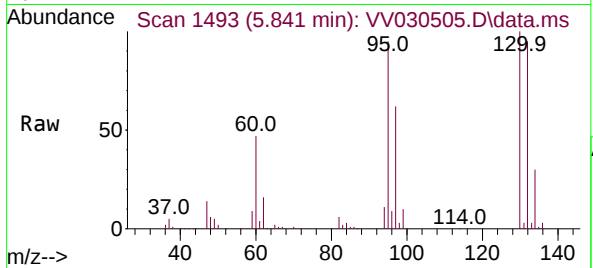




#34
Trichloroethene
Concen: 10.109 ug/L
RT: 5.841 min Scan# 1492
Delta R.T. 0.003 min
Lab File: VV030505.D
Acq: 11 Apr 2023 19:28

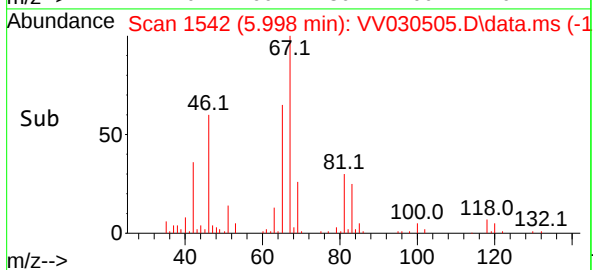
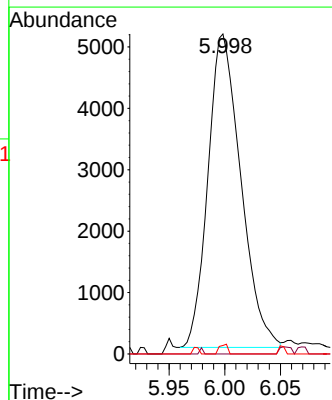
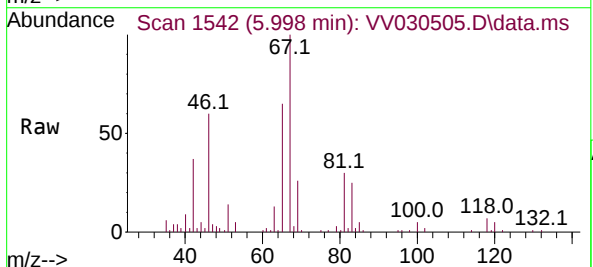
Instrument :
MSVOA_V
ClientSampleId :
BHD3

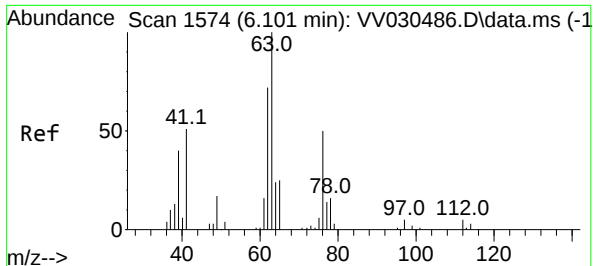
Tgt Ion: 95 Resp: 108861
Ion Ratio Lower Upper
95 100
97 64.7 44.2 82.2
132 99.8 69.5 129.1
130 104.8 72.2 134.0



#35
Methylcyclohexane
Concen: 0.619 ug/L
RT: 5.998 min Scan# 1542
Delta R.T. -0.058 min
Lab File: VV030505.D
Acq: 11 Apr 2023 19:28

Tgt Ion: 83 Resp: 10466
Ion Ratio Lower Upper
83 100
55 0.2 66.6 100.0#
98 0.0 38.6 58.0#





#37

1,2-Dichloropropane

Concen: 0.535 ug/L

RT: 6.002 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV030505.D

Acq: 11 Apr 2023 19:28

Instrument :

MSVOA_V

ClientSampleId :

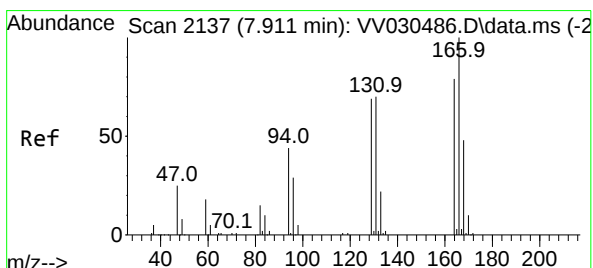
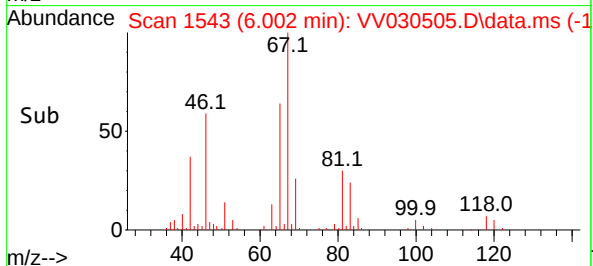
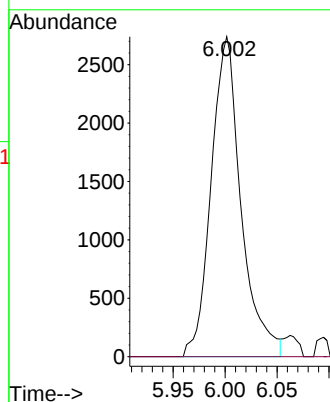
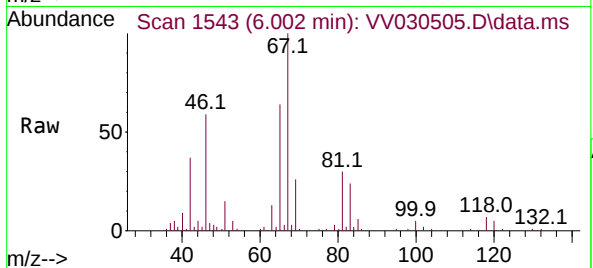
BHDX3

Tgt Ion: 63 Resp: 5481

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



#47

Tetrachloroethene

Concen: 2.987 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV030505.D

Acq: 11 Apr 2023 19:28

Tgt Ion:164 Resp: 28384

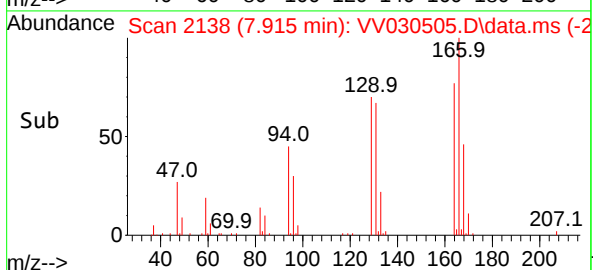
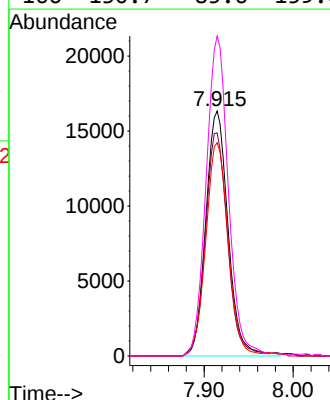
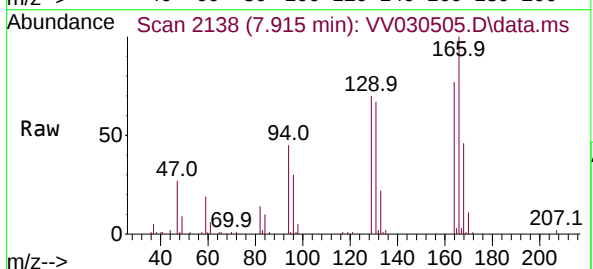
Ion Ratio Lower Upper

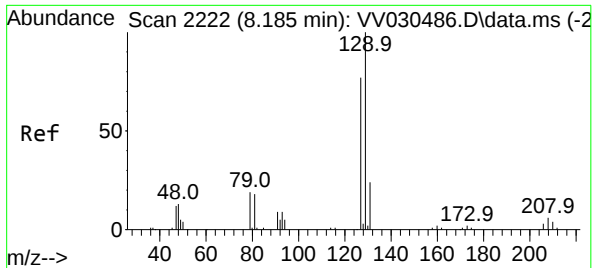
164 100

129 91.1 60.8 112.8

131 87.1 61.7 114.7

166 130.7 85.6 159.0





#49
 Dibromochloromethane
 Concen: 2.813 ug/L
 RT: 7.915 min Scan# 21
 Delta R.T. -0.270 min
 Lab File: VV030505.D
 Acq: 11 Apr 2023 19:28

Instrument :
 MSVOA_V
 ClientSampleId :
 BHD3

Tgt Ion:129 Resp: 24165
 Ion Ratio Lower Upper
 129 100
 127 0.0 52.7 97.9#

