

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041223\
 Data File : VW030521.D
 Acq On : 12 Apr 2023 16:35
 Operator : SY/MD
 Sample : 02275-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDZ1

Quant Time: Apr 13 02:50:13 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	109487	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	109715	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	52581	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	26544	3.661	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.200%
7) Chloroethane-d5	1.536	69	26498	3.765	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.400%
11) 1,1-Dichloroethene-d2	2.066	63	70014	4.069	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.400%
20) 2-Butanone-d5	3.815	46	79078	42.192	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.380%
24) Chloroform-d	4.259	84	71595	4.079	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
26) 1,2-Dichloroethane-d4	4.953	65	36998	4.468	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
32) Benzene-d6	4.969	84	122588	3.965	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.400%
36) 1,2-Dichloropropane-d6	5.998	67	40062	4.139	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.800%
41) Toluene-d8	7.252	98	109488	3.856	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.200%
43) trans-1,3-Dichloroprop...	7.564	79	13413	3.680	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.600%
46) 2-Hexanone-d5	8.037	63	59260	40.467	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.940%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	30385	3.983	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.600%
66) 1,2-Dichlorobenzene-d4	11.570	152	42290	4.500	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.000%
Target Compounds						Qvalue
3) Chloromethane	1.217	50	1835	0.104	ug/L	97
6) Bromomethane	1.494	94	444	0.122	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	4236	0.411	ug/L	93
12) 1,1-Dichloroethene	2.072	96	37402	4.088	ug/L	95
13) Acetone	2.150	43	2830	1.579	ug/L	100
17) Methyl tert-butyl Ether	2.716	73	15022	0.775	ug/L	97
19) 1,1-Dichloroethane	3.121	63	35928	1.923	ug/L	94
22) cis-1,2-Dichloroethene	3.825	96	98897	10.225	ug/L	100
25) Chloroform	4.285	83	11328	0.600	ug/L	90
27) 1,2-Dichloroethane	5.059	62	1140	0.100	ug/L #	73
29) 1,1,1-Trichloroethane	4.526	97	16883	0.957	ug/L	97
34) Trichloroethene	5.841	95	160365	15.259	ug/L	98
35) Methylcyclohexane	6.002	83	10276	0.623	ug/L #	16
37) 1,2-Dichloropropane	5.998	63	4956	0.495	ug/L #	85
47) Tetrachloroethene	7.915	164	104588	11.276	ug/L	97
49) Dibromochloromethane	7.911	129	90293	10.768	ug/L #	12
64) 1,3-Dichlorobenzene	11.130	146	3178	0.164	ug/L	93
67) 1,2-Dichlorobenzene	11.593	146	1361	0.078	ug/L	98

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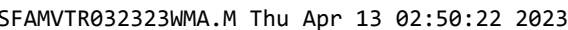
Instrument :
MSVOA_V
ClientSampleId :
BHDZ1

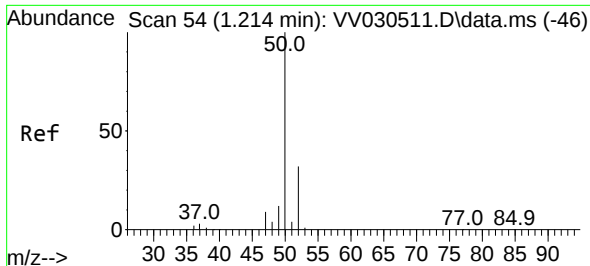
Quant Time: Apr 13 02:50:13 2023
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Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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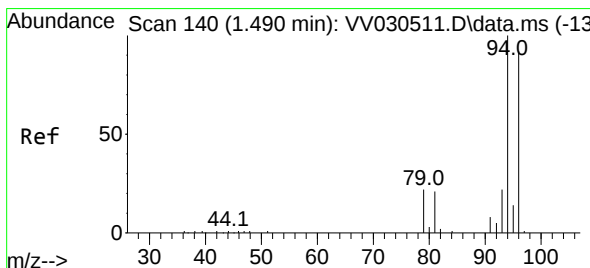
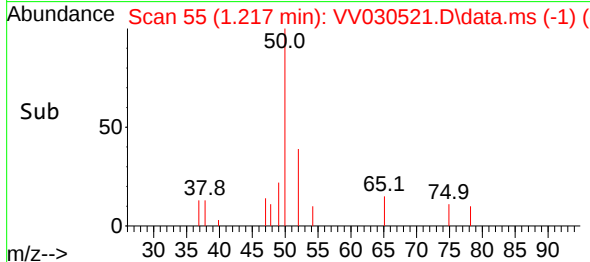
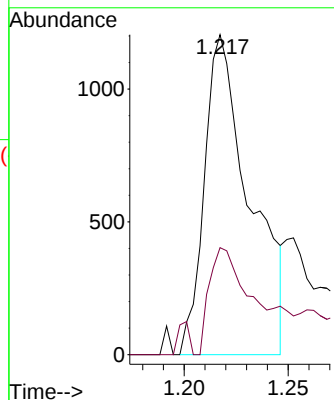
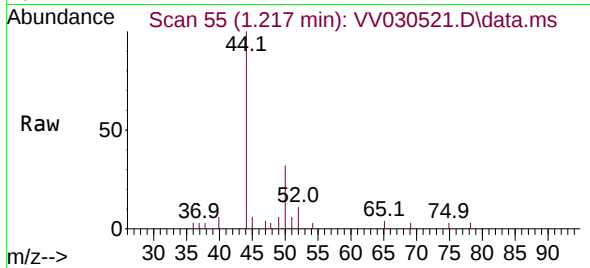




#3
Chloromethane
Concen: 0.104 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV030521.D
Acq: 12 Apr 2023 16:35

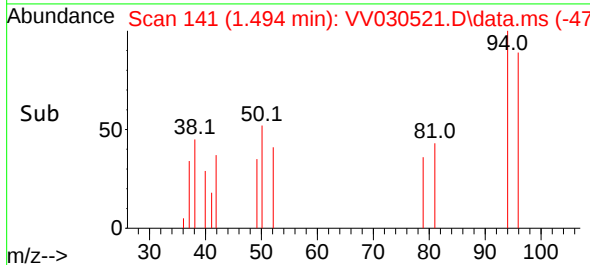
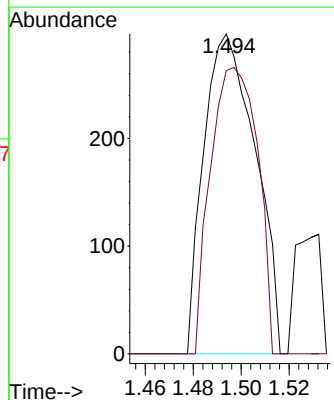
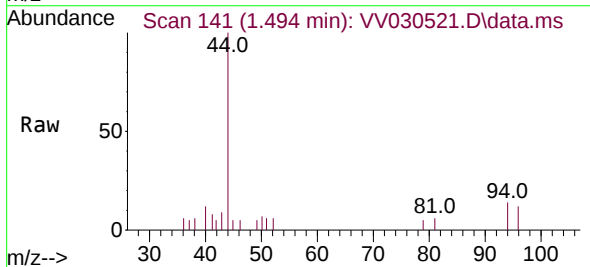
Instrument :
MSVOA_V
ClientSampleId :
BHDZ1

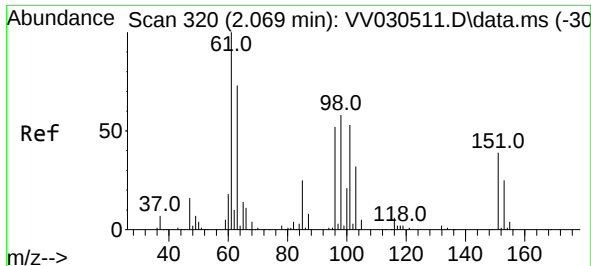
Tgt Ion: 50 Resp: 1835
Ion Ratio Lower Upper
50 100
52 33.4 22.3 41.5



#6
Bromomethane
Concen: 0.122 ug/L
RT: 1.494 min Scan# 141
Delta R.T. 0.003 min
Lab File: VV030521.D
Acq: 12 Apr 2023 16:35

Tgt Ion: 94 Resp: 444
Ion Ratio Lower Upper
94 100
96 88.6 66.1 122.7

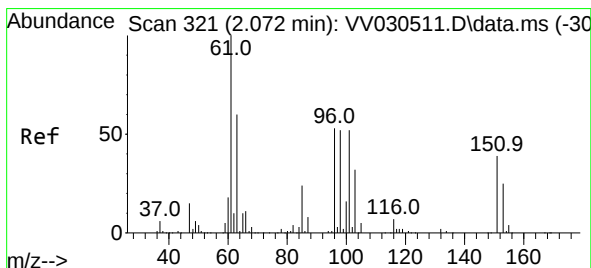
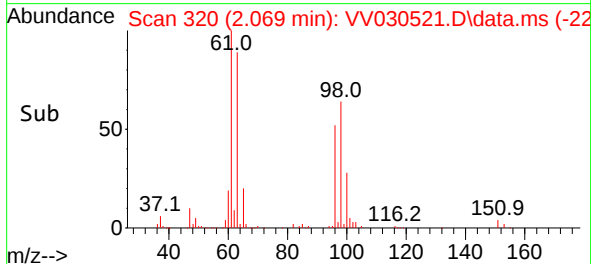
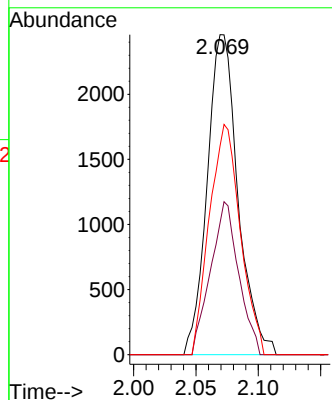
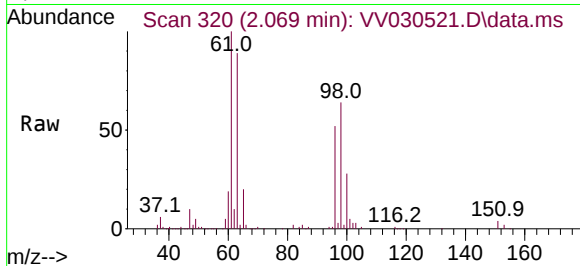




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.411 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV030521.D
 Acq: 12 Apr 2023 16:35

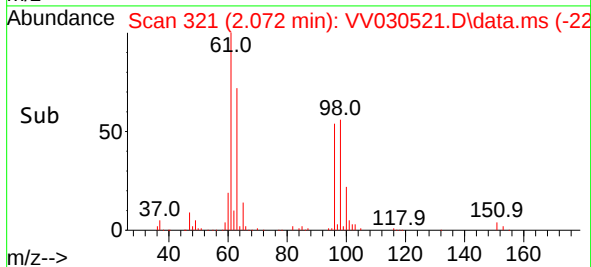
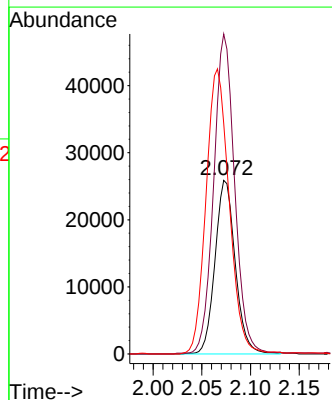
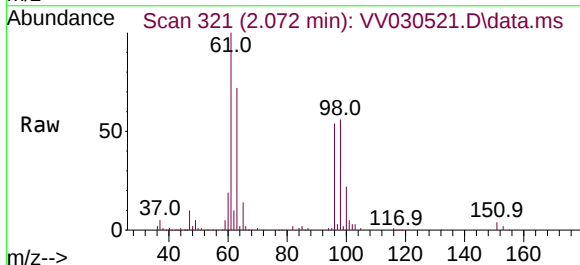
Instrument :
 MSVOA_V
 ClientSampleId :
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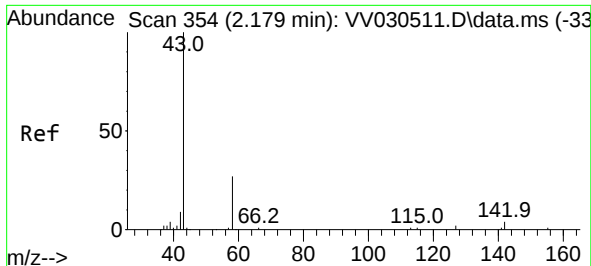
Tgt Ion:101 Resp: 4236
 Ion Ratio Lower Upper
 101 100
 85 43.5 38.1 57.1
 151 72.1 62.7 94.1



#12
 1,1-Dichloroethene
 Concen: 4.088 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV030521.D
 Acq: 12 Apr 2023 16:35

Tgt Ion: 96 Resp: 37402
 Ion Ratio Lower Upper
 96 100
 61 184.3 136.3 253.1
 63 132.8 92.1 171.1





#13

Acetone

Concen: 1.579 ug/L

RT: 2.150 min Scan# 34

Delta R.T. -0.029 min

Lab File: VV030521.D

Acq: 12 Apr 2023 16:35

Instrument :

MSVOA_V

ClientSampleId :

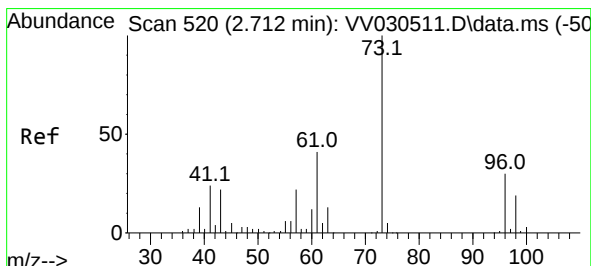
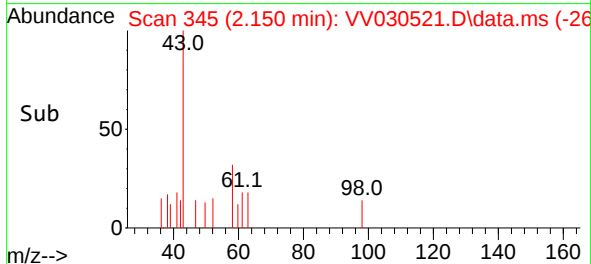
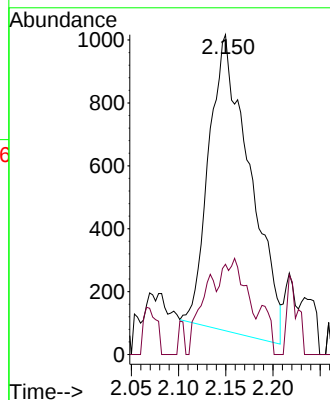
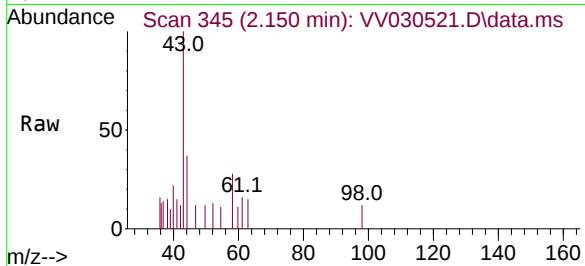
BHDZ1

Tgt Ion: 43 Resp: 2830

Ion Ratio Lower Upper

43 100

58 20.4 0.0 40.8



#17

Methyl tert-butyl Ether

Concen: 0.775 ug/L

RT: 2.716 min Scan# 521

Delta R.T. 0.003 min

Lab File: VV030521.D

Acq: 12 Apr 2023 16:35

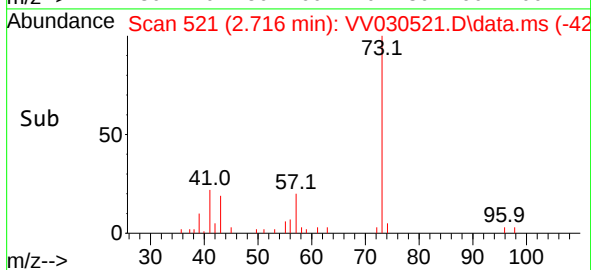
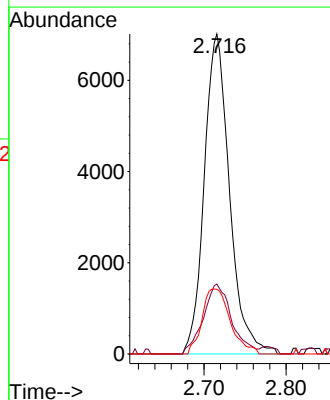
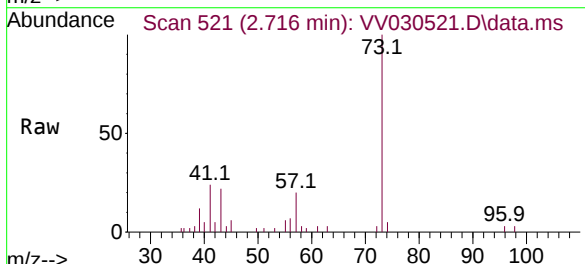
Tgt Ion: 73 Resp: 15022

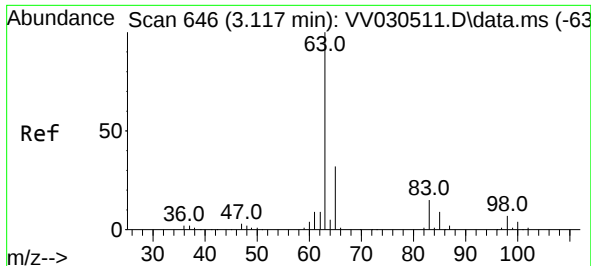
Ion Ratio Lower Upper

73 100

43 24.6 17.4 26.2

57 22.6 18.3 27.5





#19

1,1-Dichloroethane

Concen: 1.923 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030521.D

Acq: 12 Apr 2023 16:35

Instrument :

MSVOA_V

ClientSampleId :

BHDZ1

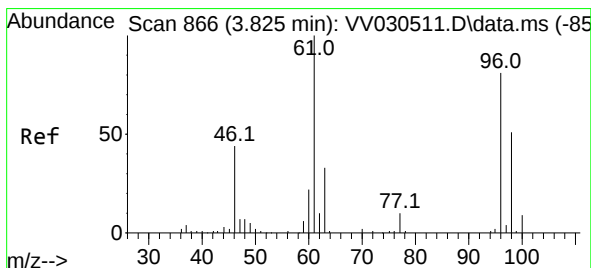
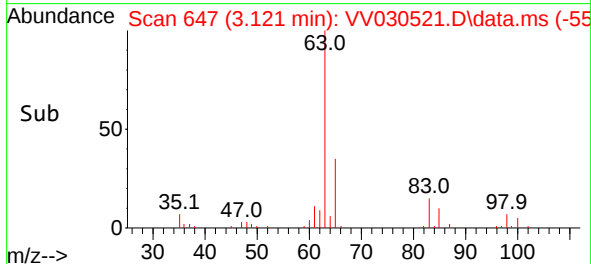
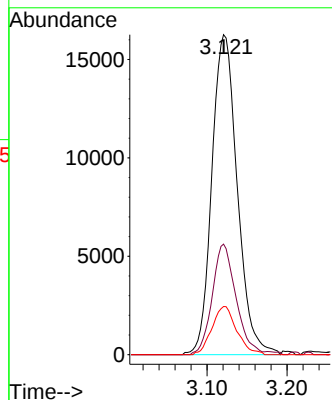
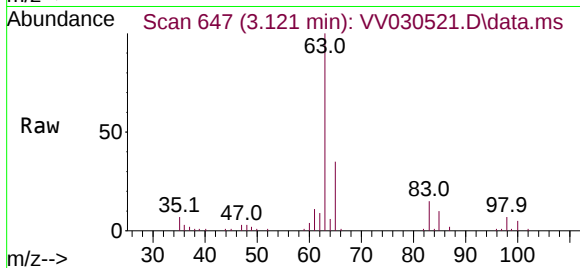
Tgt Ion: 63 Resp: 35928

Ion Ratio Lower Upper

63 100

65 34.6 21.7 40.3

83 15.1 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 10.225 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.000 min

Lab File: VV030521.D

Acq: 12 Apr 2023 16:35

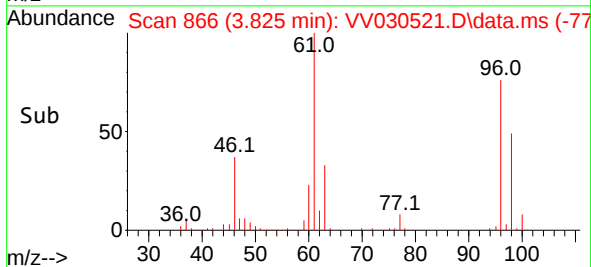
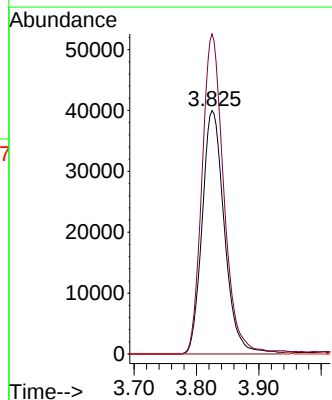
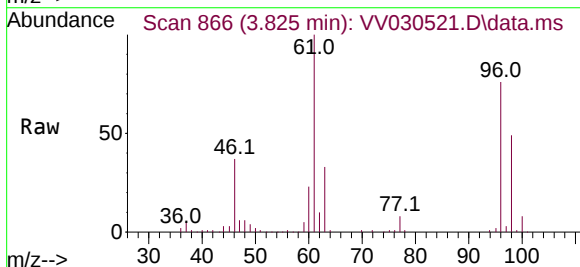
Tgt Ion: 96 Resp: 98897

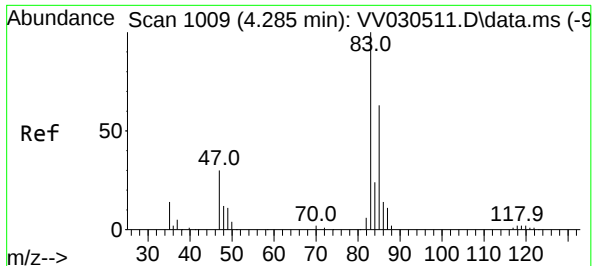
Ion Ratio Lower Upper

96 100

61 131.4 92.0 170.8

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.600 ug/L

RT: 4.285 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV030521.D

Acq: 12 Apr 2023 16:35

Instrument :

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ClientSampleId :

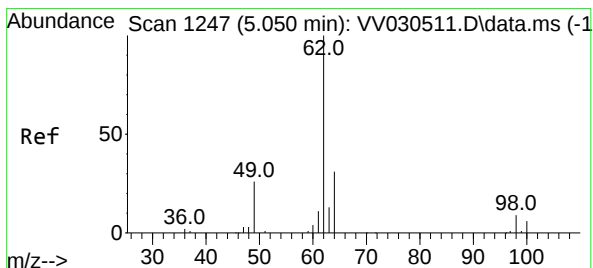
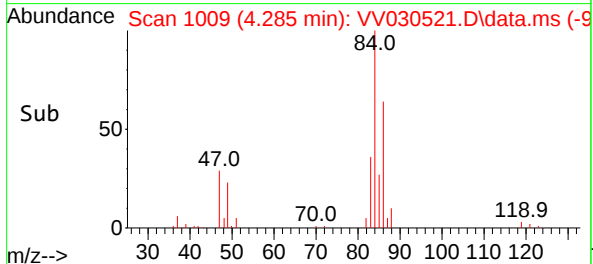
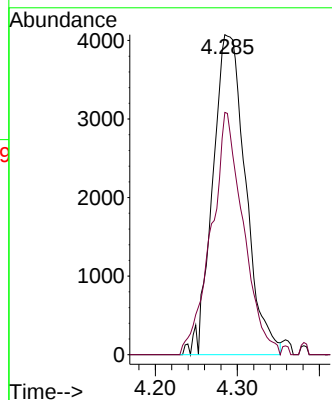
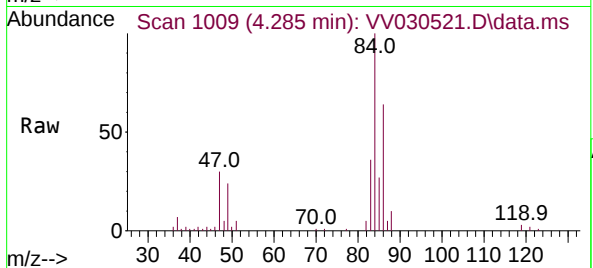
BHDZ1

Tgt Ion: 83 Resp: 11328

Ion Ratio Lower Upper

83 100

85 75.7 47.6 88.4



#27

1,2-Dichloroethane

Concen: 0.100 ug/L

RT: 5.059 min Scan# 1250

Delta R.T. 0.010 min

Lab File: VV030521.D

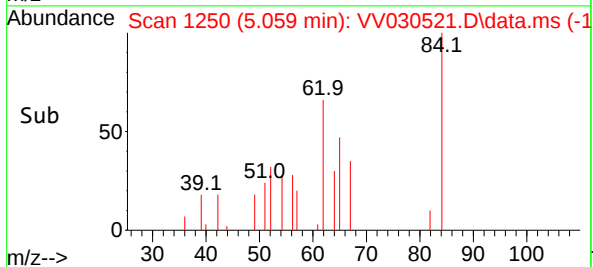
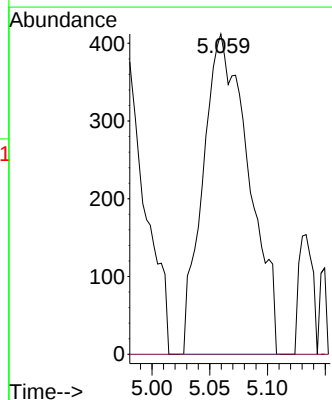
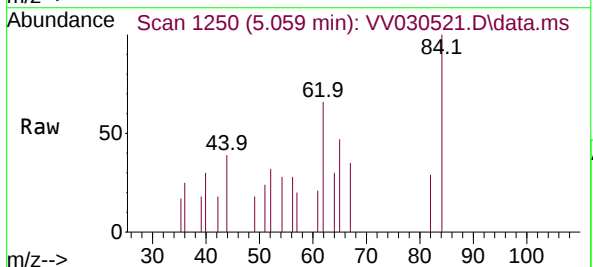
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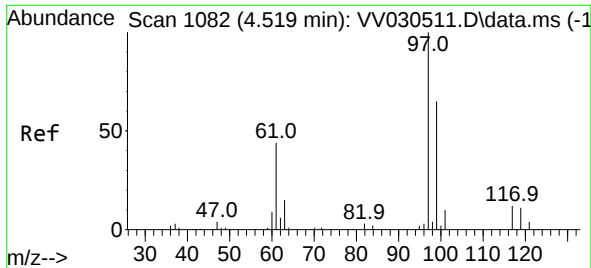
Tgt Ion: 62 Resp: 1140

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#





#29

1,1,1-Trichloroethane

Concen: 0.957 ug/L

RT: 4.526 min Scan# 1084

Delta R.T. 0.007 min

Lab File: VV030521.D

Acq: 12 Apr 2023 16:35

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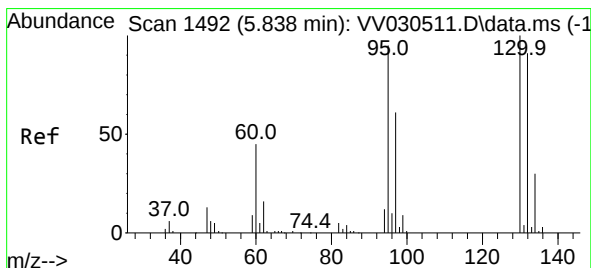
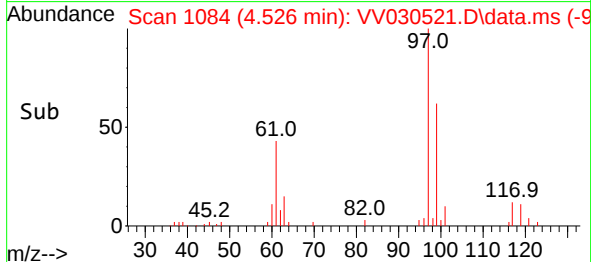
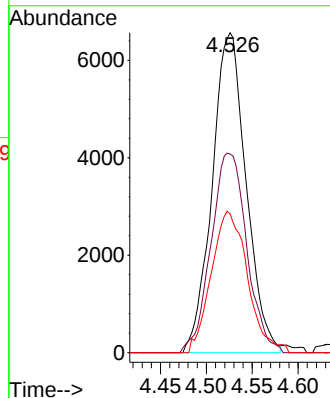
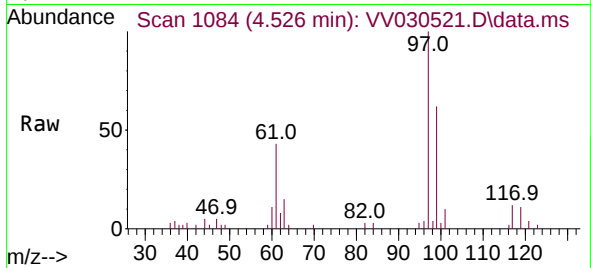
Tgt Ion: 97 Resp: 16883

Ion Ratio Lower Upper

97 100

99 65.7 50.9 76.3

61 47.2 35.9 53.9



#34

Trichloroethene

Concen: 15.259 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV030521.D

Acq: 12 Apr 2023 16:35

Tgt Ion: 95 Resp: 160365

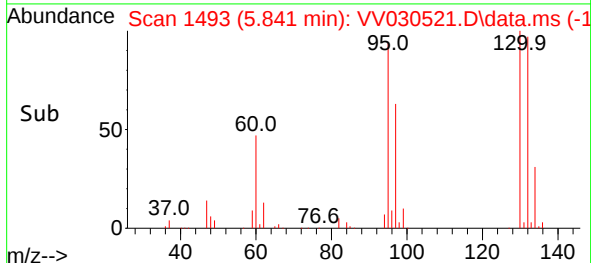
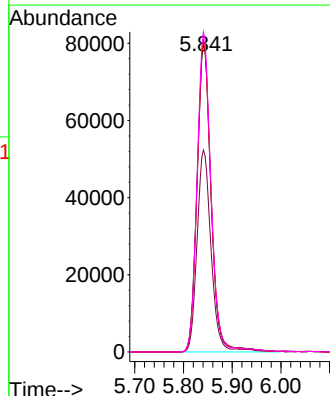
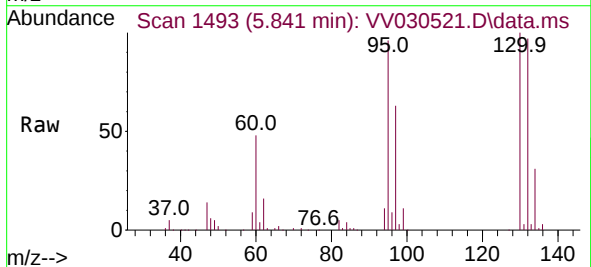
Ion Ratio Lower Upper

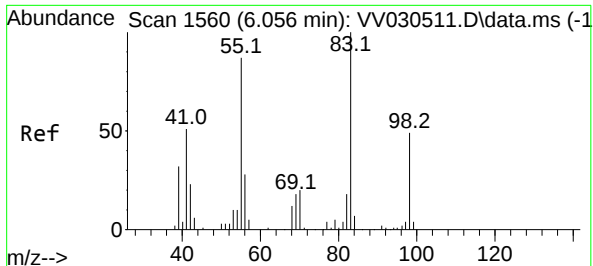
95 100

97 65.7 44.2 82.2

132 101.4 69.5 129.1

130 104.0 72.2 134.0

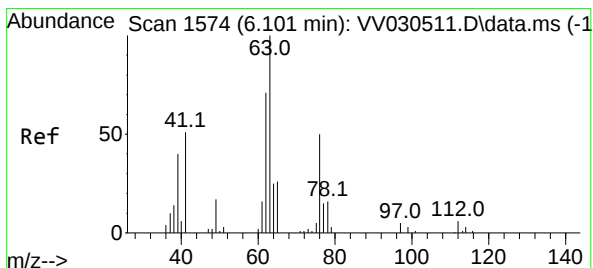
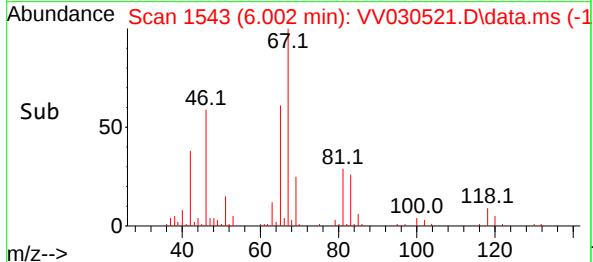
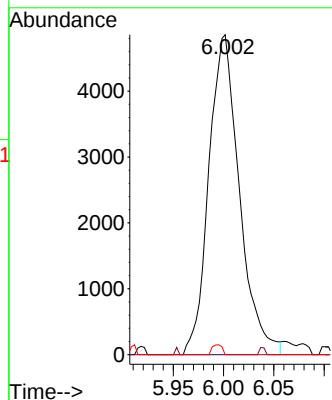
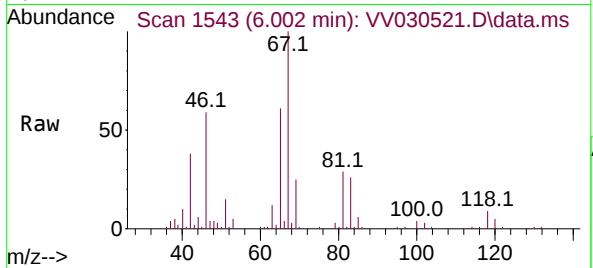




#35
Methylcyclohexane
Concen: 0.623 ug/L
RT: 6.002 min Scan# 1543
Delta R.T. -0.055 min
Lab File: VV030521.D
Acq: 12 Apr 2023 16:35

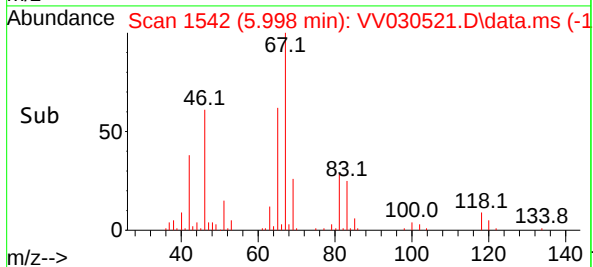
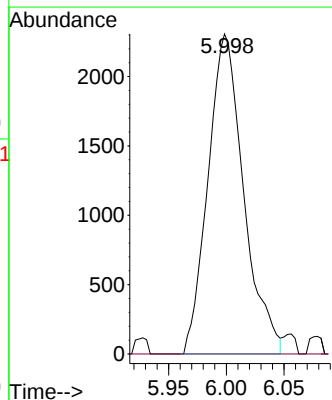
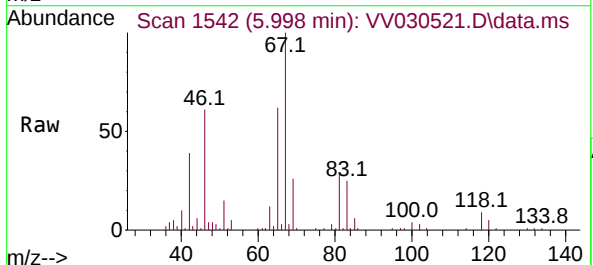
Instrument :
MSVOA_V
ClientSampleId :
BHDZ1

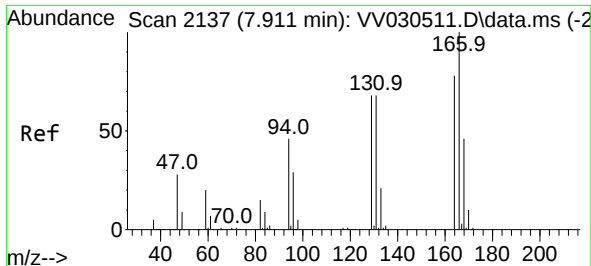
Tgt Ion: 83 Resp: 10276
Ion Ratio Lower Upper
83 100
55 0.4 66.6 100.0#
98 0.0 38.6 58.0#



#37
1,2-Dichloropropane
Concen: 0.495 ug/L
RT: 5.998 min Scan# 1542
Delta R.T. -0.103 min
Lab File: VV030521.D
Acq: 12 Apr 2023 16:35

Tgt Ion: 63 Resp: 4956
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#

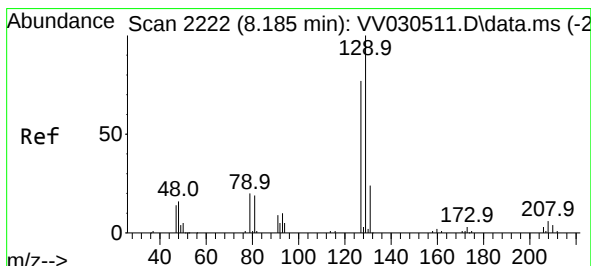
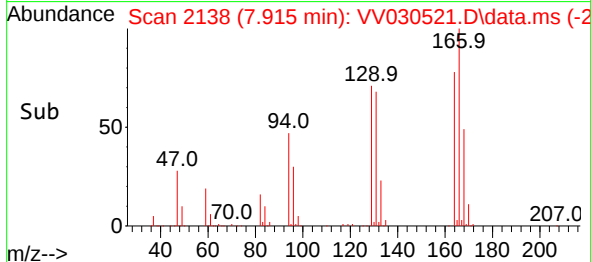
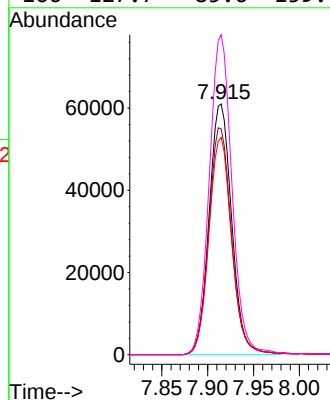
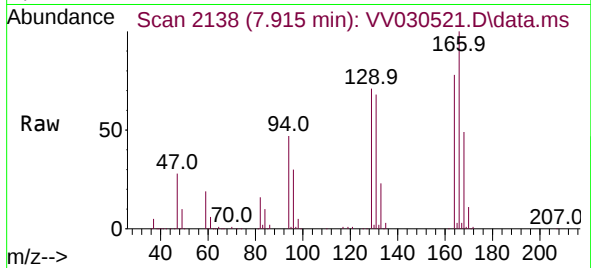




#47
Tetrachloroethene
Concen: 11.276 ug/L
RT: 7.915 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV030521.D
Acq: 12 Apr 2023 16:35

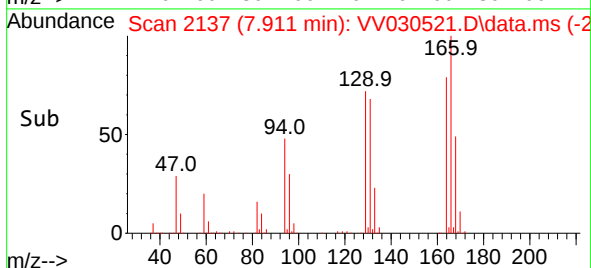
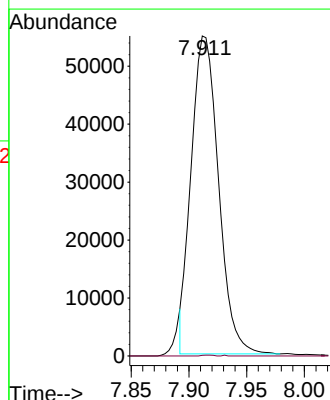
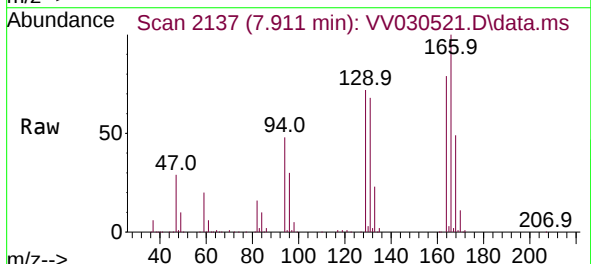
Instrument :
MSVOA_V
ClientSampleId :
BHDZ1

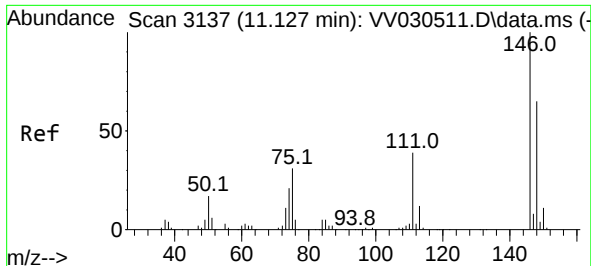
Tgt Ion:164 Resp: 104588
Ion Ratio Lower Upper
164 100
129 90.1 60.8 112.8
131 86.7 61.7 114.7
166 127.7 85.6 159.0



#49
Dibromochloromethane
Concen: 10.768 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.273 min
Lab File: VV030521.D
Acq: 12 Apr 2023 16:35

Tgt Ion:129 Resp: 90293
Ion Ratio Lower Upper
129 100
127 0.2 52.7 97.9#

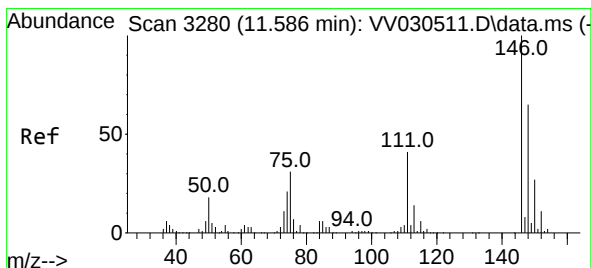
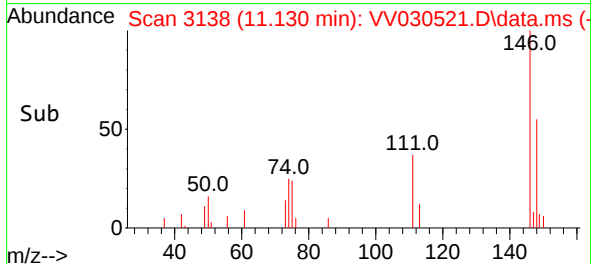
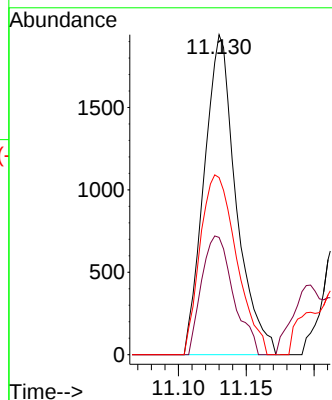
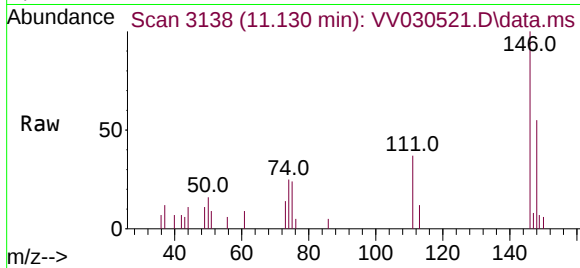




#64
1,3-Dichlorobenzene
Concen: 0.164 ug/L
RT: 11.130 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV030521.D
Acq: 12 Apr 2023 16:35

Instrument :
MSVOA_V
ClientSampleId :
BHDZ1

Tgt Ion:146 Resp: 3178
Ion Ratio Lower Upper
146 100
111 36.7 27.0 50.2
148 55.4 44.2 82.2



#67
1,2-Dichlorobenzene
Concen: 0.078 ug/L
RT: 11.593 min Scan# 3282
Delta R.T. 0.007 min
Lab File: VV030521.D
Acq: 12 Apr 2023 16:35

Tgt Ion:146 Resp: 1361
Ion Ratio Lower Upper
146 100
111 42.9 33.1 49.7
148 63.2 52.2 78.2

