

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041323\
 Data File : VW030549.D
 Acq On : 13 Apr 2023 16:44
 Operator : SY/MD
 Sample : 02275-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHE01

Quant Time: Apr 14 05:22:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 14 05:16:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.548	114	134361	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	129002	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.197	152	59731	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	55192	6.202	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	124.000%
7) Chloroethane-d5	1.535	69	40702	4.713	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.200%
11) 1,1-Dichloroethene-d2	2.069	63	182222	8.630	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	172.600%#
20) 2-Butanone-d5	3.809	46	102027	44.358	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.720%
24) Chloroform-d	4.262	84	96085	4.461	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	4.957	65	48431	4.766	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	4.973	84	160824	4.424	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.002	67	52440	4.608	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.256	98	136403	4.086	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.800%
43) trans-1,3-Dichloroprop...	7.564	79	17212	4.017	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.400%
46) 2-Hexanone-d5	8.034	63	77200	44.836	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.680%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	37455	4.176	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.600%
66) 1,2-Dichlorobenzene-d4	11.570	152	49920	4.676	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	2616	0.121	ug/L	88
6) Bromomethane	1.497	94	476	0.106	ug/L	82
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	3941	0.312	ug/L #	78
12) 1,1-Dichloroethene	2.076	96	180015	16.035	ug/L #	78
14) Carbon disulfide	2.246	76	13792	0.373	ug/L	97
18) trans-1,2-Dichloroethene	2.703	96	1605	0.136	ug/L	77
19) 1,1-Dichloroethane	3.121	63	241391	10.528	ug/L	98
22) cis-1,2-Dichloroethene	3.828	96	86505	7.288	ug/L	98
25) Chloroform	4.291	83	112051	4.836	ug/L	99
27) 1,2-Dichloroethane	5.063	62	4431	0.316	ug/L	99
29) 1,1,1-Trichloroethane	4.523	97	88009	4.245	ug/L	99
31) Carbon tetrachloride	4.748	117	25803	1.372	ug/L	100
34) Trichloroethene	5.844	95	867689	70.216	ug/L	98
35) Methylcyclohexane	6.002	83	12893	0.665	ug/L #	16
37) 1,2-Dichloropropane	5.998	63	6784	0.577	ug/L #	92
39) cis-1,3-Dichloropropene	6.924	75	1521	0.092	ug/L #	61
44) trans-1,3-Dichloropropene	7.564	75	1186	0.084	ug/L #	71
45) 1,1,2-Trichloroethane	7.783	97	1224	0.148	ug/L	92
47) Tetrachloroethene	7.915	164	497194	45.589	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041323\
Data File : VV030549.D
Acq On : 13 Apr 2023 16:44
Operator : SY/MD
Sample : 02275-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHE01

Quant Time: Apr 14 05:22:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Apr 14 05:16:37 2023
Response via : Initial Calibration

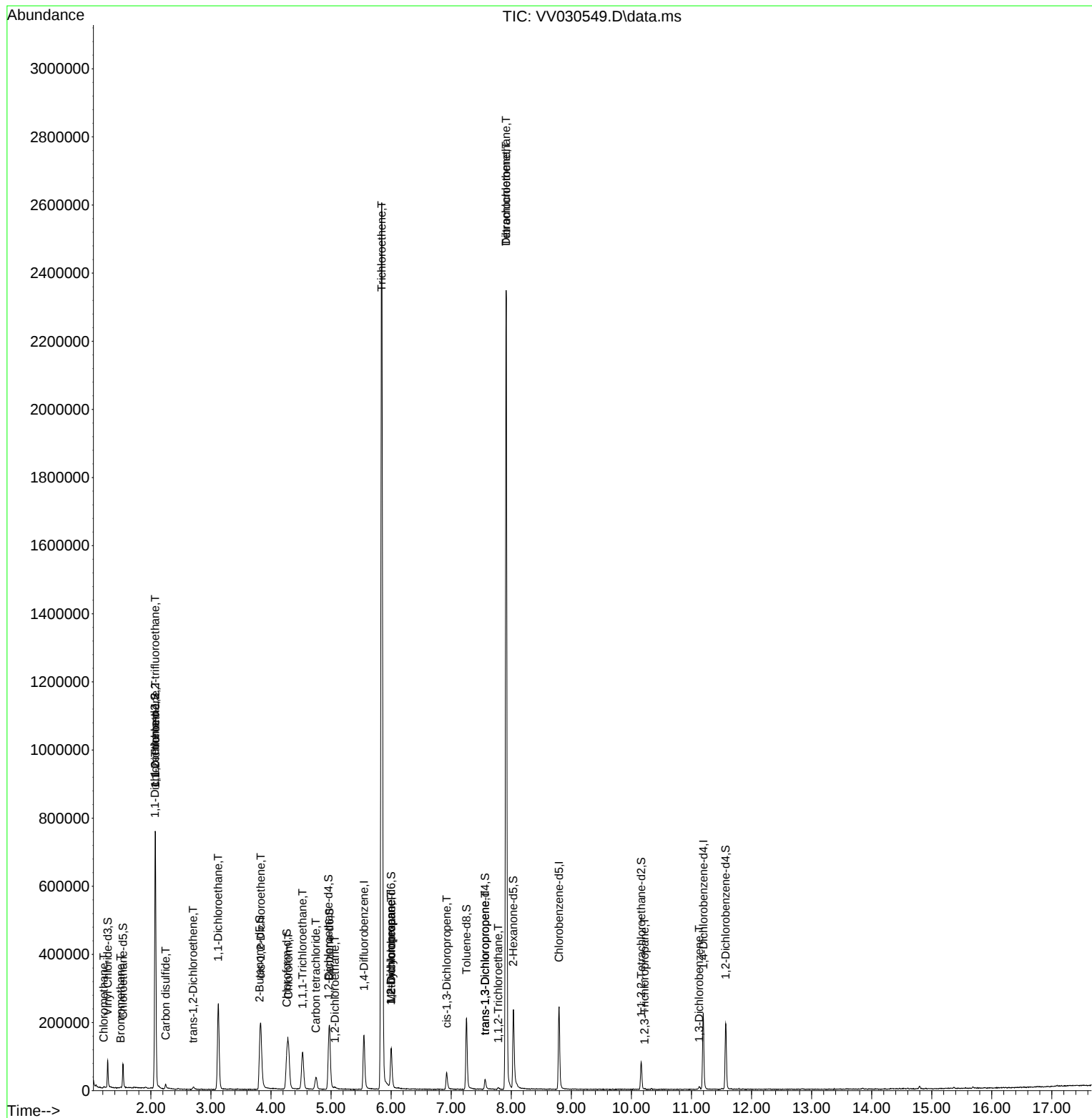
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.915	129	443607	44.995	ug/L #	12
61) 1,2,3-Trichloropropane	10.220	75	690	0.129	ug/L	99
64) 1,3-Dichlorobenzene	11.130	146	3155	0.144	ug/L	98

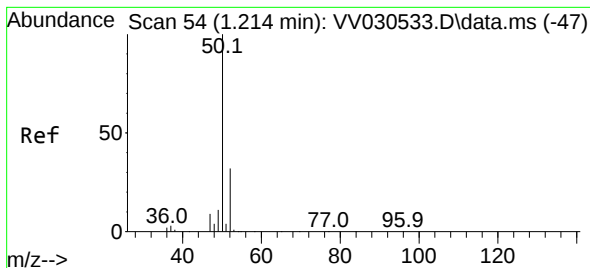
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041323\
Data File : VV030549.D
Acq On : 13 Apr 2023 16:44
Operator : SY/MD
Sample : 02275-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHE01

Quant Time: Apr 14 05:22:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Apr 14 05:16:37 2023
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.121 ug/L

RT: 1.217 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV030549.D

Acq: 13 Apr 2023 16:44

Instrument :

MSVOA_V

ClientSampleId :

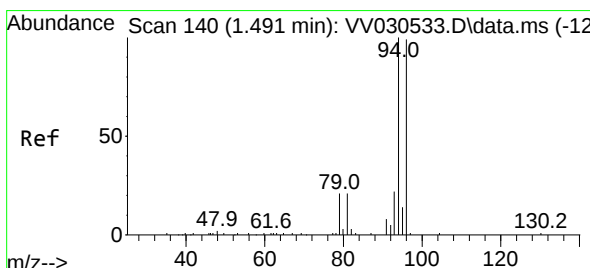
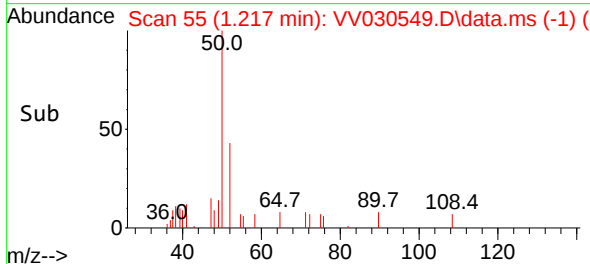
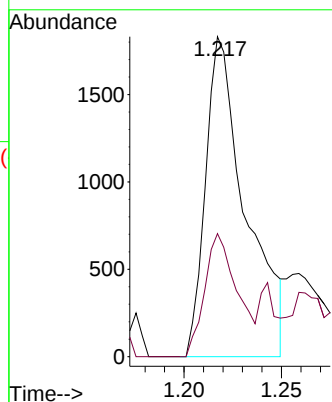
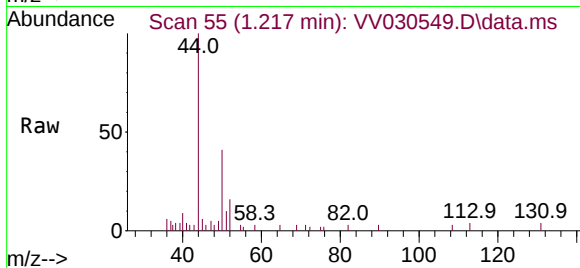
BHE01

Tgt Ion: 50 Resp: 2616

Ion Ratio Lower Upper

50 100

52 38.4 22.3 41.5



#6

Bromomethane

Concen: 0.106 ug/L

RT: 1.497 min Scan# 142

Delta R.T. 0.006 min

Lab File: VV030549.D

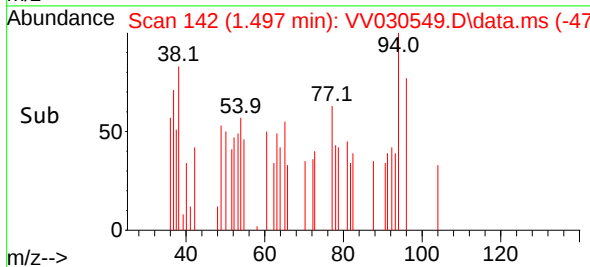
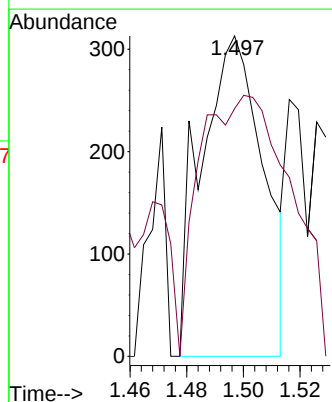
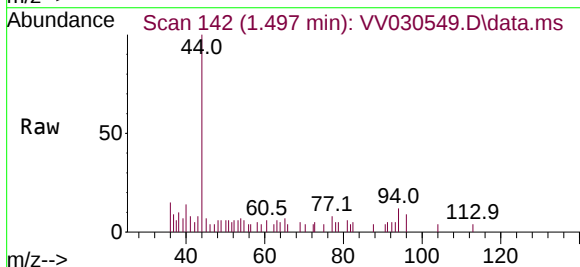
Acq: 13 Apr 2023 16:44

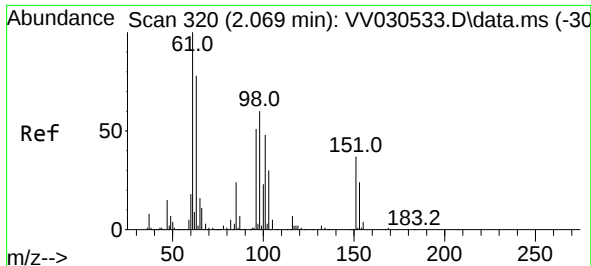
Tgt Ion: 94 Resp: 476

Ion Ratio Lower Upper

94 100

96 77.3 66.1 122.7

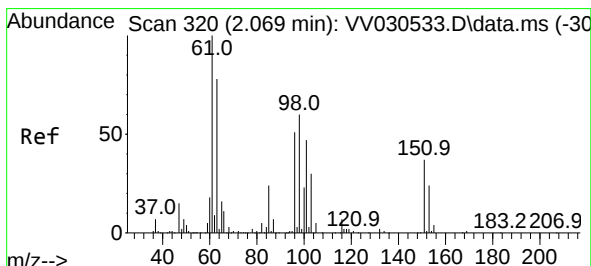
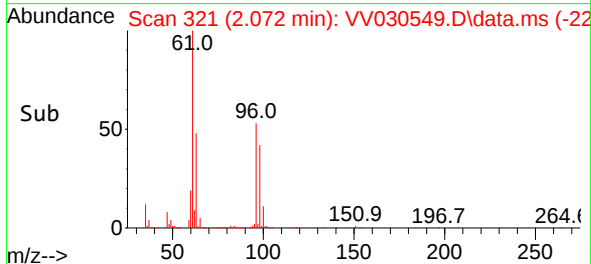
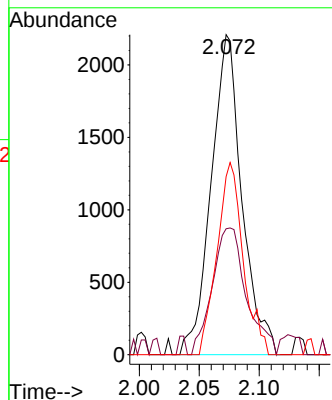
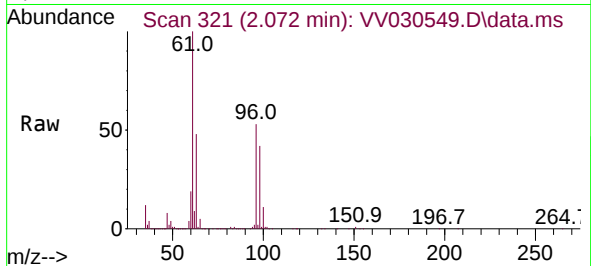




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.312 ug/L
RT: 2.072 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030549.D
Acq: 13 Apr 2023 16:44

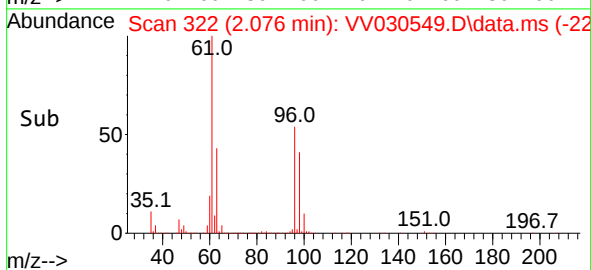
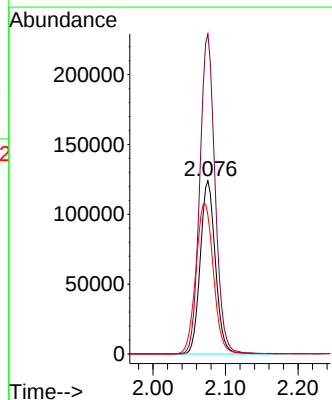
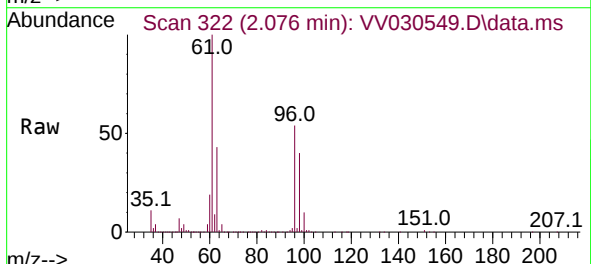
Instrument :
MSVOA_V
ClientSampleId :
BHE01

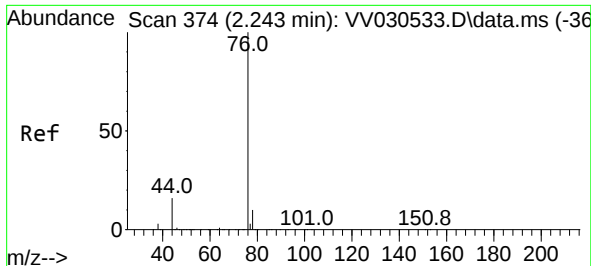
Tgt Ion:101 Resp: 3941
Ion Ratio Lower Upper
101 100
85 43.9 38.1 57.1
151 51.0 62.7 94.1#



#12
1,1-Dichloroethene
Concen: 16.035 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.006 min
Lab File: VV030549.D
Acq: 13 Apr 2023 16:44

Tgt Ion: 96 Resp: 180015
Ion Ratio Lower Upper
96 100
61 184.7 136.3 253.1
63 80.1 92.1 171.1#





#14

Carbon disulfide

Concen: 0.373 ug/L

RT: 2.246 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030549.D

Acq: 13 Apr 2023 16:44

Instrument :

MSVOA_V

ClientSampleId :

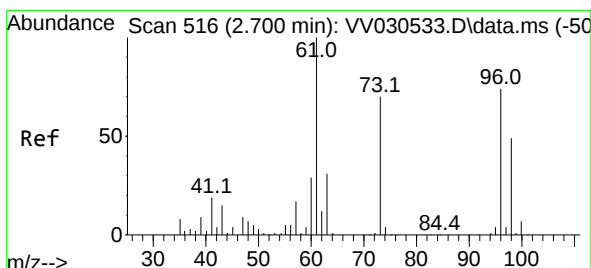
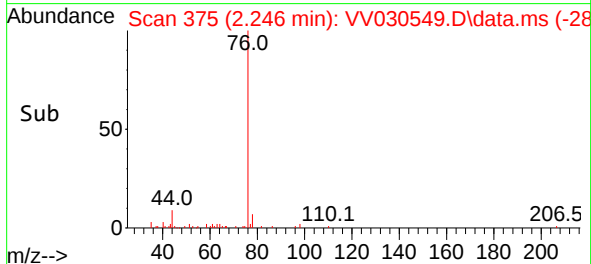
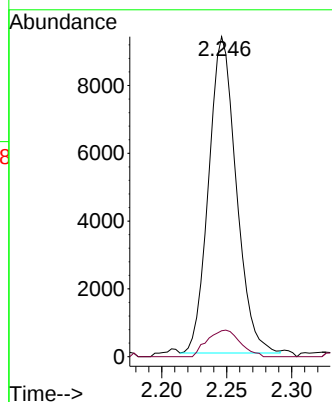
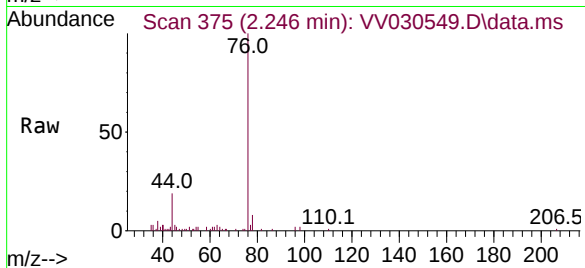
BHE01

Tgt Ion: 76 Resp: 13792

Ion Ratio Lower Upper

76 100

78 8.1 7.3 10.9



#18

trans-1,2-Dichloroethene

Concen: 0.136 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV030549.D

Acq: 13 Apr 2023 16:44

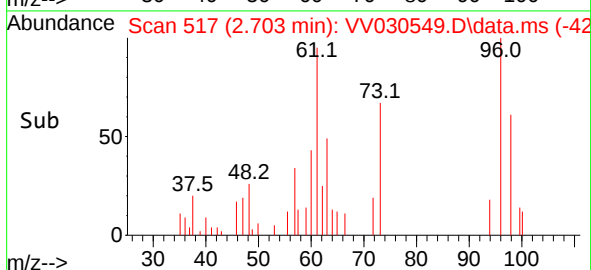
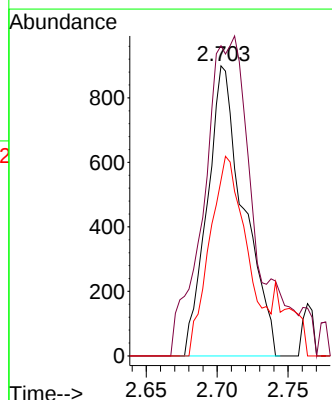
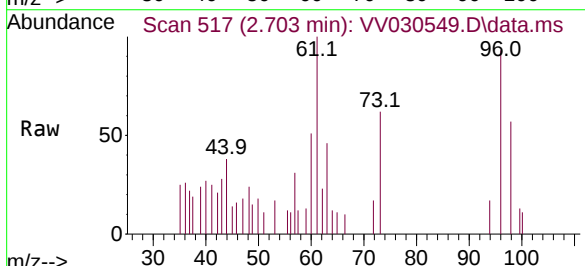
Tgt Ion: 96 Resp: 1605

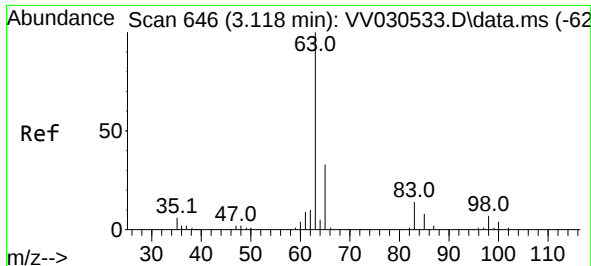
Ion Ratio Lower Upper

96 100

61 107.0 101.7 188.9

98 60.6 45.8 85.2





#19

1,1-Dichloroethane

Concen: 10.528 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030549.D

Acq: 13 Apr 2023 16:44

Instrument :

MSVOA_V

ClientSampleId :

BHE01

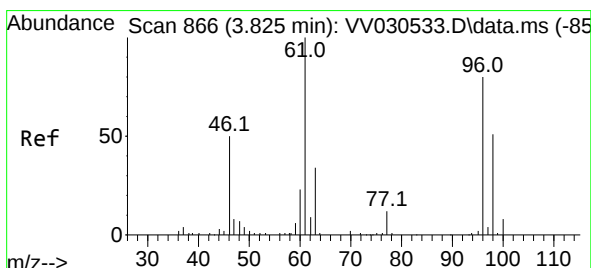
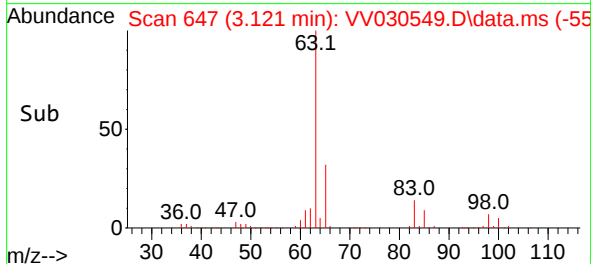
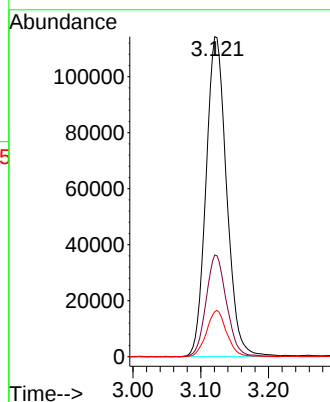
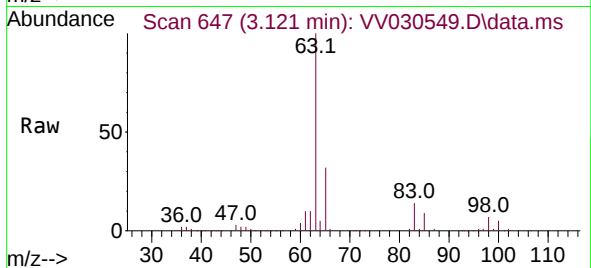
Tgt Ion: 63 Resp: 241391

Ion Ratio Lower Upper

63 100

65 31.8 21.7 40.3

83 14.1 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 7.288 ug/L

RT: 3.828 min Scan# 867

Delta R.T. 0.003 min

Lab File: VV030549.D

Acq: 13 Apr 2023 16:44

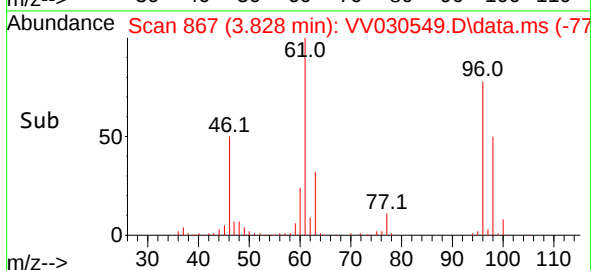
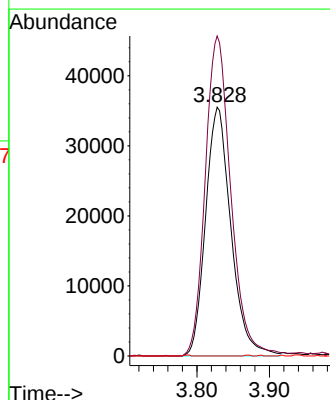
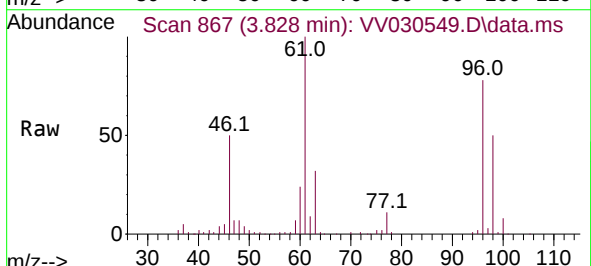
Tgt Ion: 96 Resp: 86505

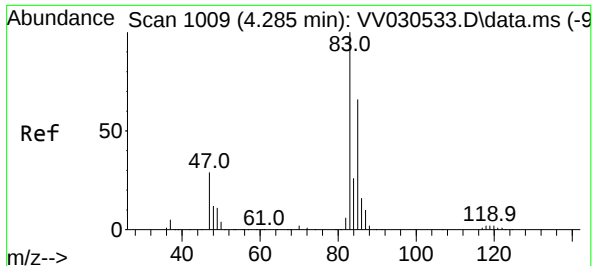
Ion Ratio Lower Upper

96 100

61 128.7 92.0 170.8

68 0.0 0.0 0.0

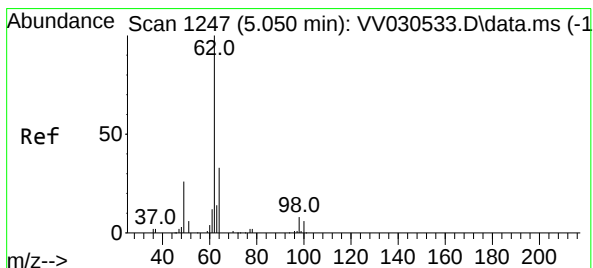
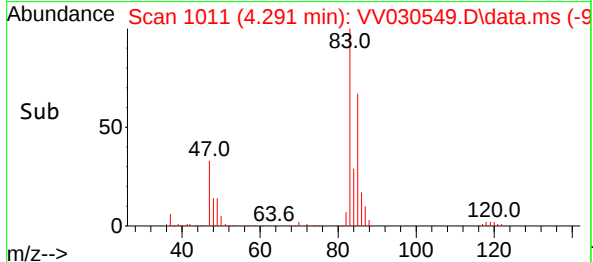
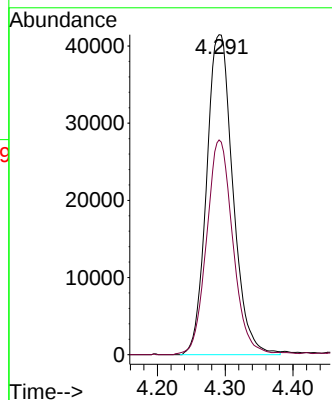
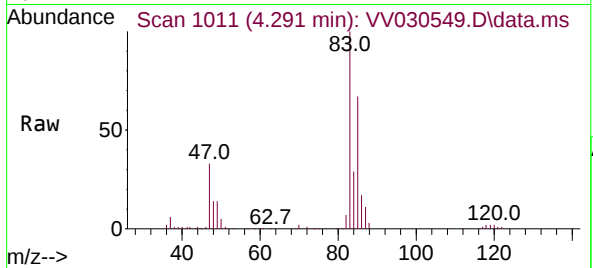




#25
Chloroform
Concen: 4.836 ug/L
RT: 4.291 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV030549.D
Acq: 13 Apr 2023 16:44

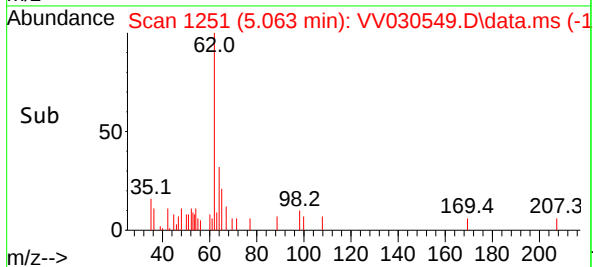
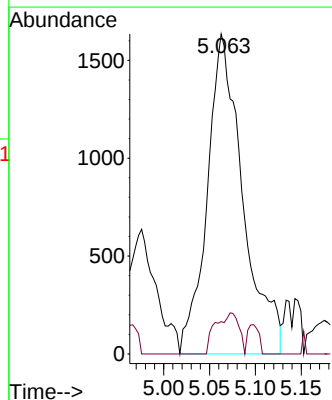
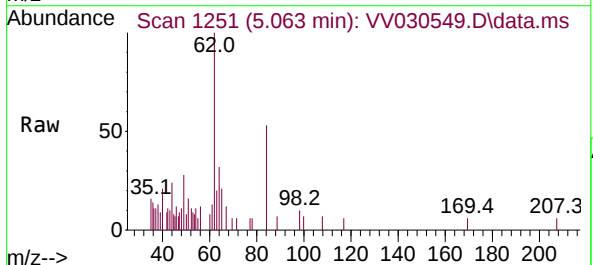
Instrument :
MSVOA_V
ClientSampleId :
BHE01

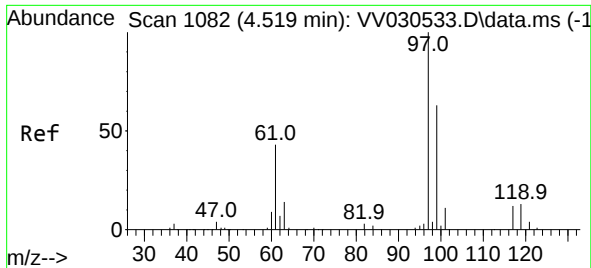
Tgt Ion: 83 Resp: 112051
Ion Ratio Lower Upper
83 100
85 67.1 47.6 88.4



#27
1,2-Dichloroethane
Concen: 0.316 ug/L
RT: 5.063 min Scan# 1251
Delta R.T. 0.013 min
Lab File: VV030549.D
Acq: 13 Apr 2023 16:44

Tgt Ion: 62 Resp: 4431
Ion Ratio Lower Upper
62 100
98 10.1 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.245 ug/L

RT: 4.523 min Scan# 110

Delta R.T. 0.003 min

Lab File: VV030549.D

Acq: 13 Apr 2023 16:44

Instrument :

MSVOA_V

ClientSampleId :

BHE01

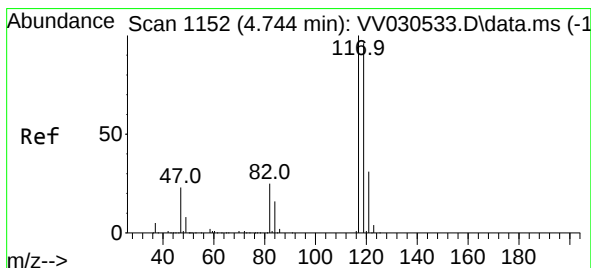
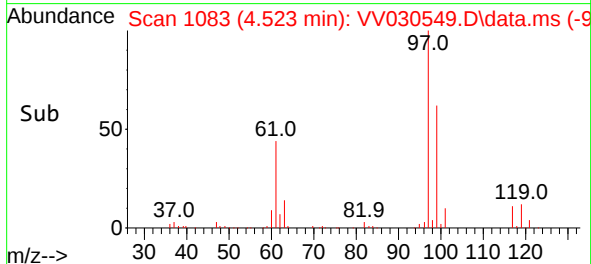
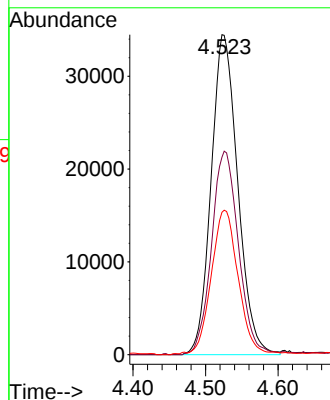
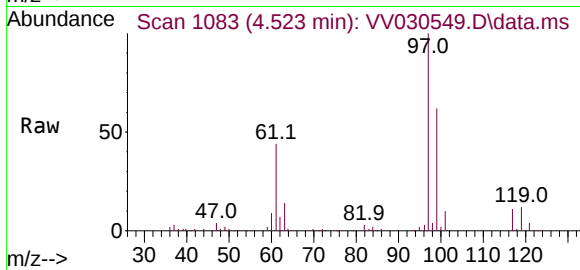
Tgt Ion: 97 Resp: 88009

Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

61 44.0 35.9 53.9



#31

Carbon tetrachloride

Concen: 1.372 ug/L

RT: 4.748 min Scan# 1153

Delta R.T. 0.003 min

Lab File: VV030549.D

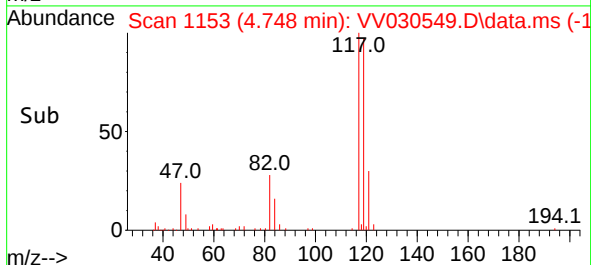
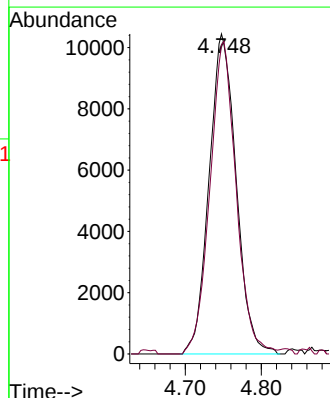
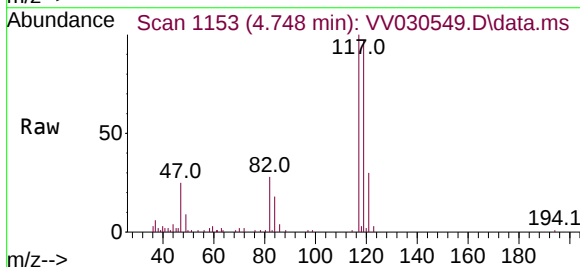
Acq: 13 Apr 2023 16:44

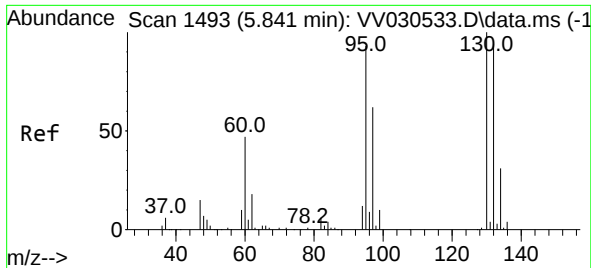
Tgt Ion: 117 Resp: 25803

Ion Ratio Lower Upper

117 100

119 94.8 76.2 114.4

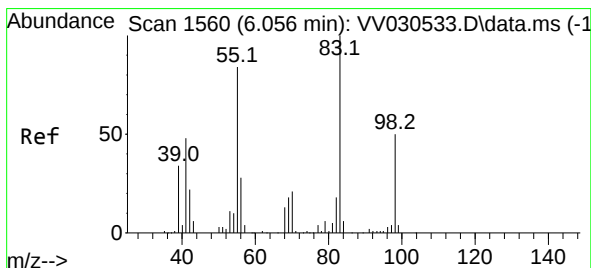
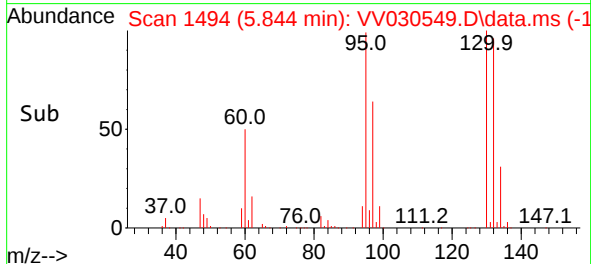
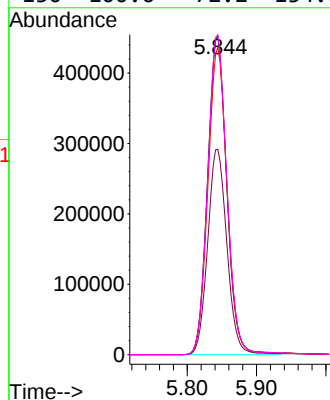
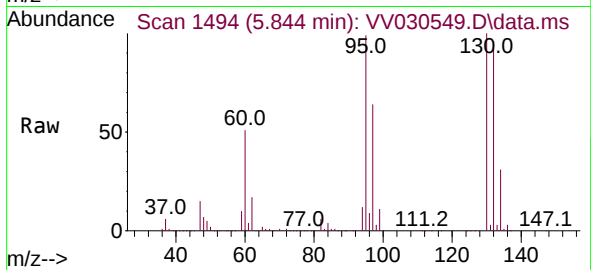




#34
Trichloroethene
Concen: 70.216 ug/L
RT: 5.844 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030549.D
Acq: 13 Apr 2023 16:44

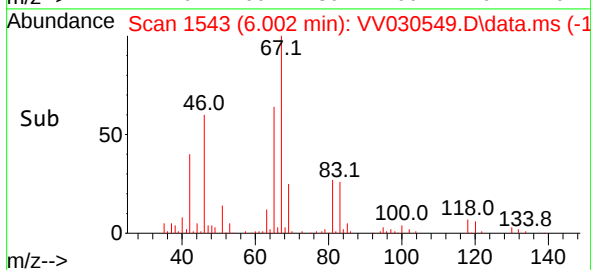
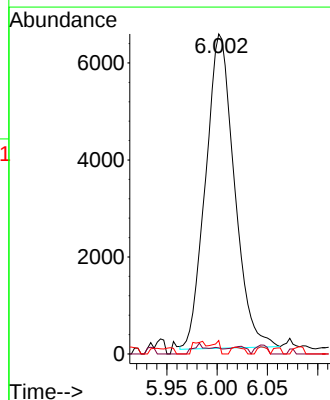
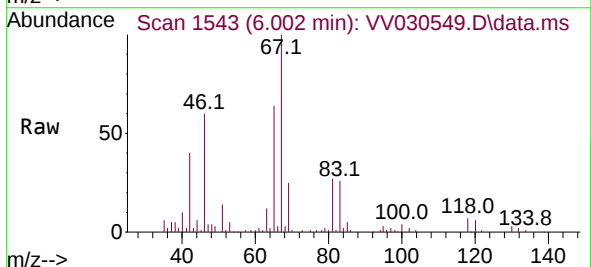
Instrument :
MSVOA_V
ClientSampleId :
BHE01

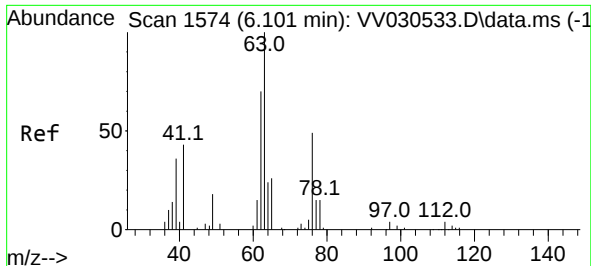
Tgt Ion: 95 Resp: 867689
Ion Ratio Lower Upper
95 100
97 64.6 44.2 82.2
132 96.5 69.5 129.1
130 100.6 72.2 134.0



#35
Methylcyclohexane
Concen: 0.665 ug/L
RT: 6.002 min Scan# 1543
Delta R.T. -0.055 min
Lab File: VV030549.D
Acq: 13 Apr 2023 16:44

Tgt Ion: 83 Resp: 12893
Ion Ratio Lower Upper
83 100
55 1.4 66.6 100.0#
98 0.0 38.6 58.0#





#37

1,2-Dichloropropane

Concen: 0.577 ug/L

RT: 5.998 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV030549.D

Acq: 13 Apr 2023 16:44

Instrument :

MSVOA_V

ClientSampleId :

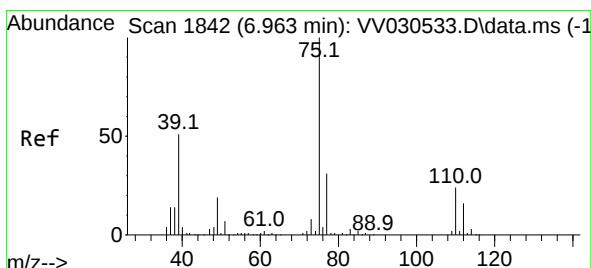
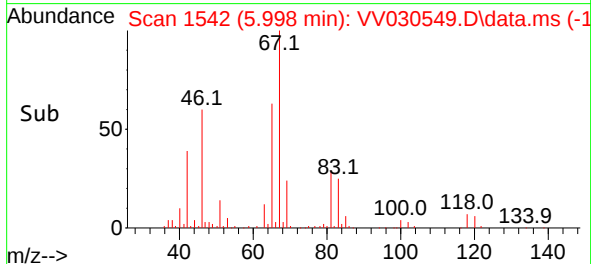
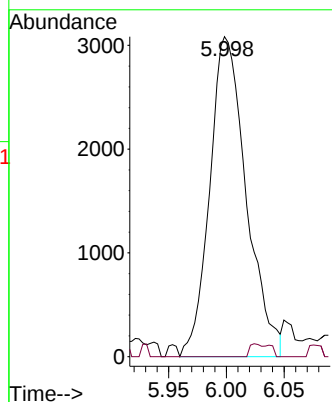
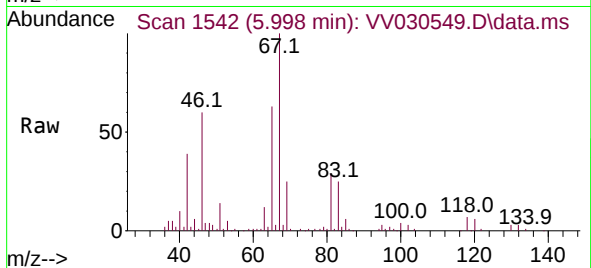
BHE01

Tgt Ion: 63 Resp: 6784

Ion Ratio Lower Upper

63 100

112 2.2 3.9 5.9#



#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 6.924 min Scan# 1830

Delta R.T. -0.039 min

Lab File: VV030549.D

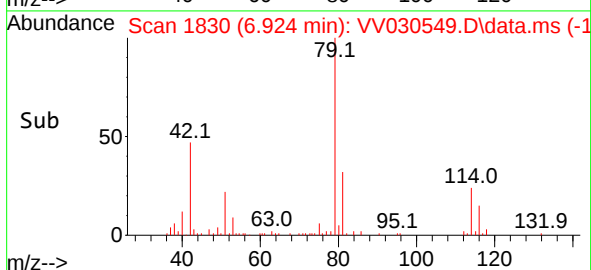
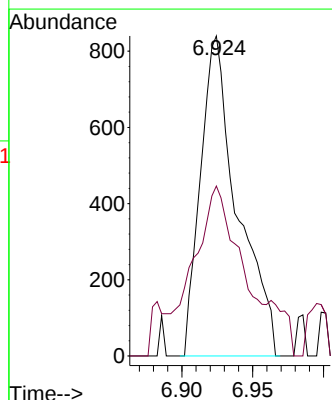
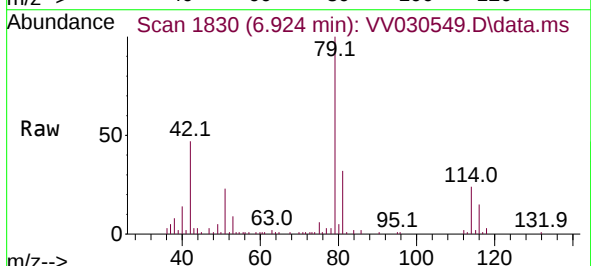
Acq: 13 Apr 2023 16:44

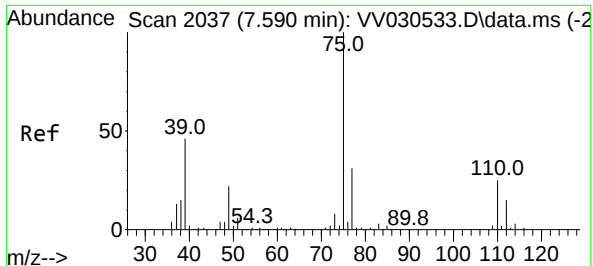
Tgt Ion: 75 Resp: 1521

Ion Ratio Lower Upper

75 100

77 53.1 22.0 41.0#

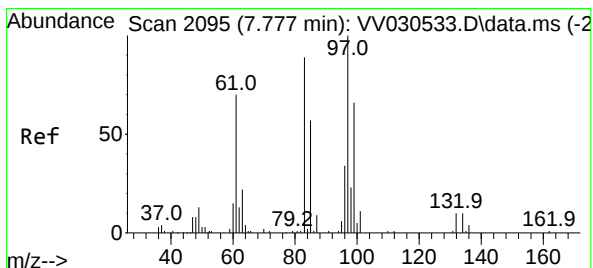
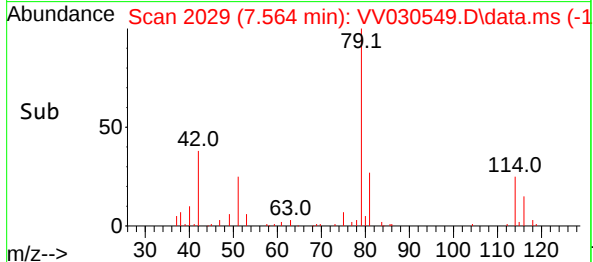
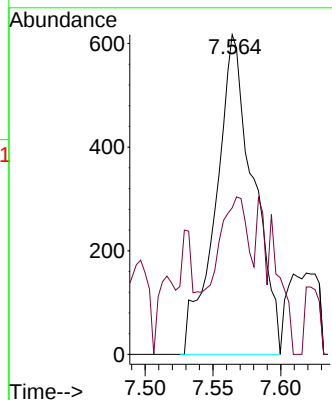
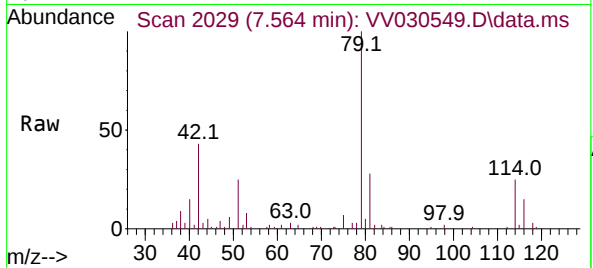




#44
trans-1,3-Dichloropropene
Concen: 0.084 ug/L
RT: 7.564 min Scan# 2029
Delta R.T. -0.026 min
Lab File: VV030549.D
Acq: 13 Apr 2023 16:44

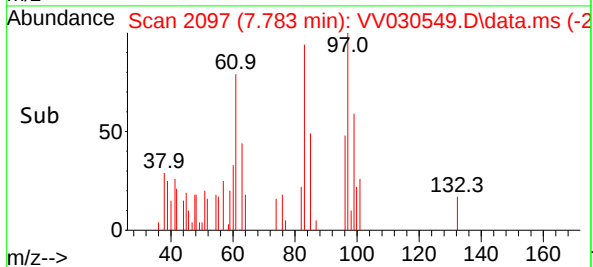
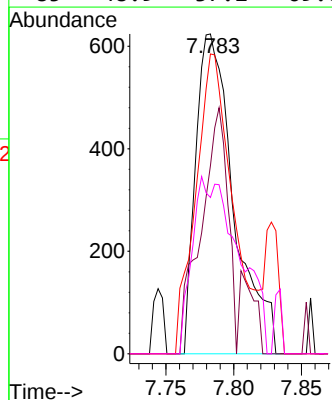
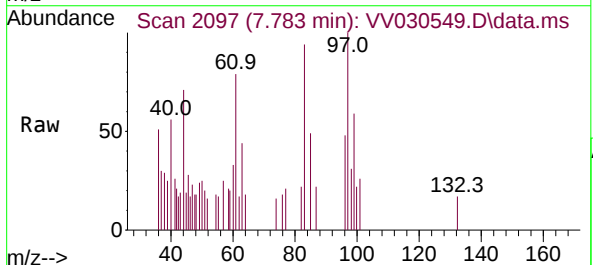
Instrument :
MSVOA_V
ClientSampleId :
BHE01

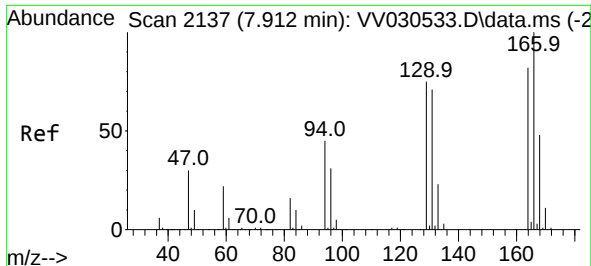
Tgt Ion: 75 Resp: 1186
Ion Ratio Lower Upper
75 100
77 45.9 21.2 39.4#



#45
1,1,2-Trichloroethane
Concen: 0.148 ug/L
RT: 7.783 min Scan# 2097
Delta R.T. 0.006 min
Lab File: VV030549.D
Acq: 13 Apr 2023 16:44

Tgt Ion: 97 Resp: 1224
Ion Ratio Lower Upper
97 100
99 58.8 44.0 81.8
83 93.8 58.8 109.2
85 48.9 37.2 69.0





#47

Tetrachloroethene

Concen: 45.589 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV030549.D

Acq: 13 Apr 2023 16:44

Instrument :

MSVOA_V

ClientSampleId :

BHE01

Tgt Ion:164 Resp: 497194

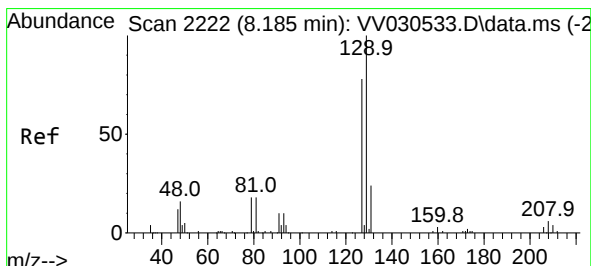
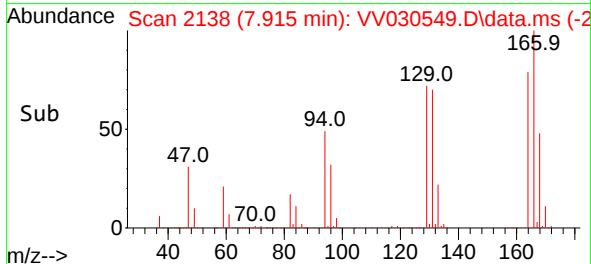
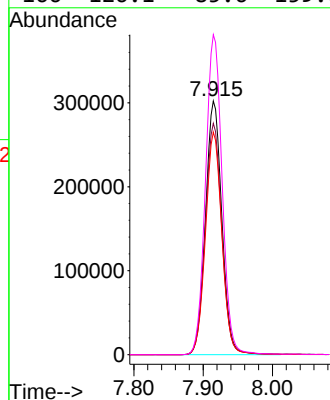
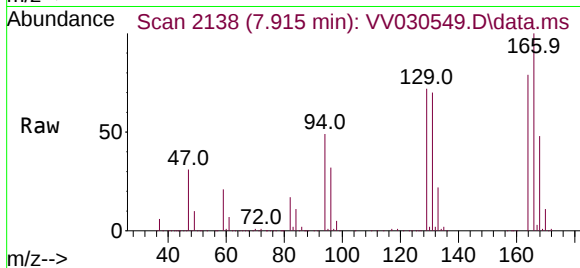
Ion Ratio Lower Upper

164 100

129 91.1 60.8 112.8

131 87.7 61.7 114.7

166 126.1 85.6 159.0



#49

Dibromochloromethane

Concen: 44.995 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. -0.270 min

Lab File: VV030549.D

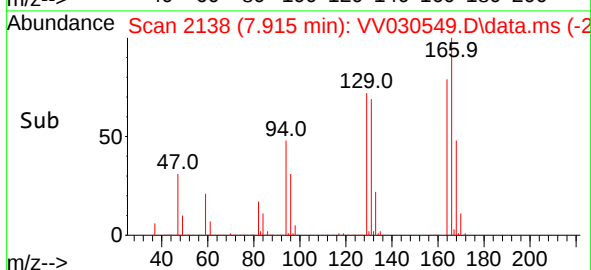
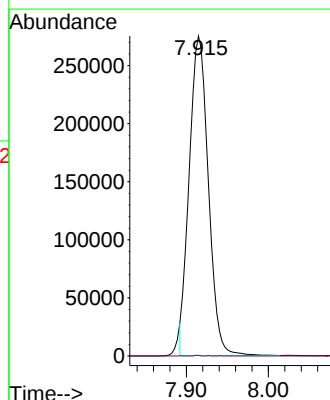
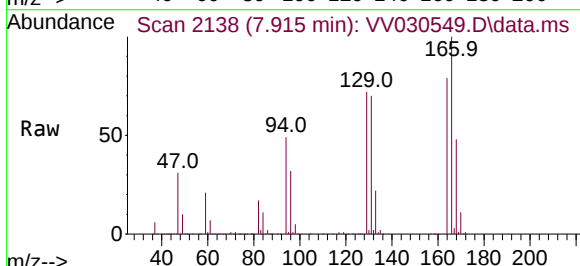
Acq: 13 Apr 2023 16:44

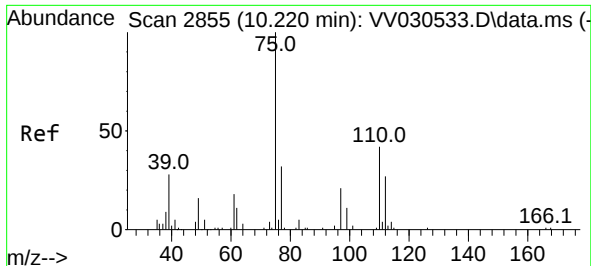
Tgt Ion:129 Resp: 443607

Ion Ratio Lower Upper

129 100

127 0.2 52.7 97.9#

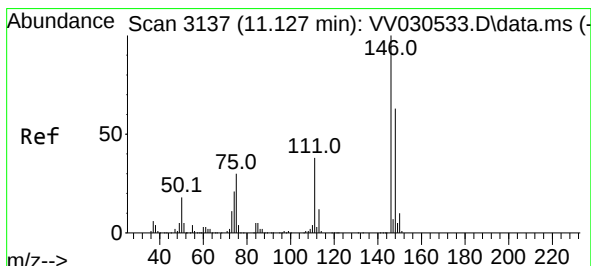
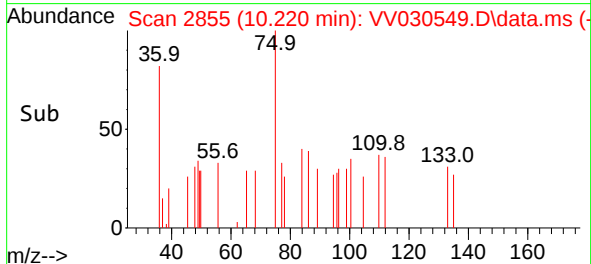
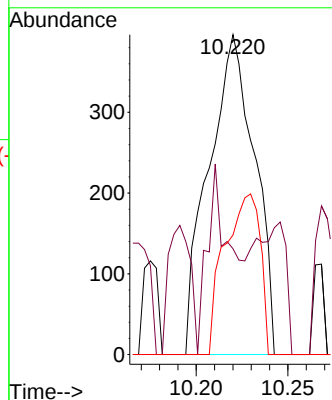
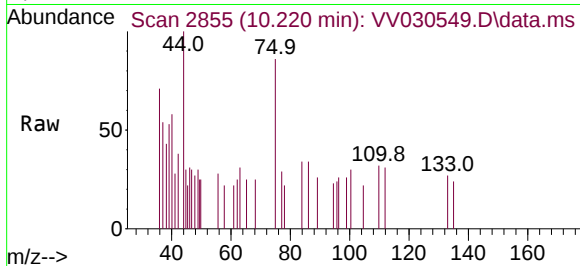




#61
1,2,3-Trichloropropane
Concen: 0.129 ug/L
RT: 10.220 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030549.D
Acq: 13 Apr 2023 16:44

Instrument :
MSVOA_V
ClientSampleId :
BHE01

Tgt Ion: 75	Resp: 690
Ion Ratio	Lower Upper
75 100	
77 31.6	26.0 39.0
110 38.8	31.6 47.4



#64
1,3-Dichlorobenzene
Concen: 0.144 ug/L
RT: 11.130 min Scan# 3138
Delta R.T. 0.003 min
Lab File: VV030549.D
Acq: 13 Apr 2023 16:44

Tgt Ion:146	Resp:	3155	
Ion	Ratio	Lower	Upper
146	100		
111	36.9	27.0	50.2
148	63.8	44.2	82.2

