

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041023\
 Data File : VV030477.D
 Acq On : 10 Apr 2023 19:02
 Operator : SY/MD
 Sample : 02254-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA8

Quant Time: Apr 11 06:31:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 11 06:24:59 2023
 Response via : Initial Calibration

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

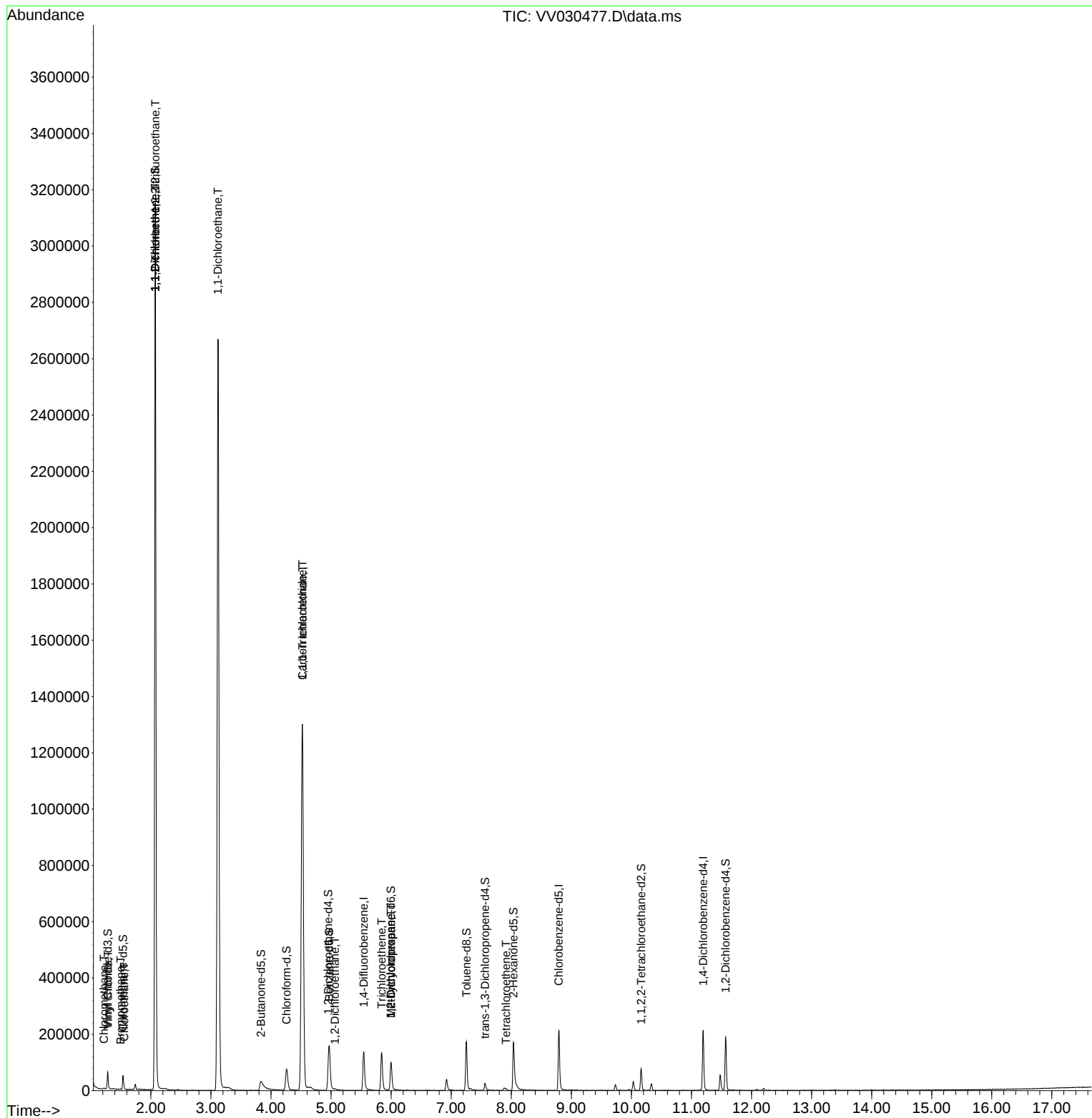
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	117751	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	118833	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	58090	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	26005	3.335	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.600%
7) Chloroethane-d5	1.535	69	29831	3.942	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.800%
11) 1,1-Dichloroethene-d2	2.072	63	558202	30.164	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	603.200%#
20) 2-Butanone-d5	3.834	46	84072	41.708	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.420%
24) Chloroform-d	4.259	84	81884	4.338	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	4.953	65	40946	4.598	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
32) Benzene-d6	4.969	84	141475	4.225	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
36) 1,2-Dichloropropane-d6	5.998	67	46635	4.448	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.000%
41) Toluene-d8	7.252	98	119136	3.874	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.400%
43) trans-1,3-Dichloroprop...	7.564	79	14393	3.646	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.000%
46) 2-Hexanone-d5	8.037	63	65024	40.996	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.000%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	35259	4.267	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.400%
66) 1,2-Dichlorobenzene-d4	11.570	152	49356	4.754	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.220	50	2198	0.116	ug/L	94
5) Vinyl chloride	1.285	62	12986	0.943	ug/L	91
6) Bromomethane	1.497	94	414	0.105	ug/L	96
8) Chloroethane	1.555	64	3759	0.477	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	2484	0.224	ug/L #	32
12) 1,1-Dichloroethene	2.072	96	883371	89.786	ug/L #	69
19) 1,1-Dichloroethane	3.117	63	2574099	128.105	ug/L	97
27) 1,2-Dichloroethane	5.066	62	2759	0.225	ug/L #	73
29) 1,1,1-Trichloroethane	4.522	97	1056552	55.317	ug/L	99
31) Carbon tetrachloride	4.522	117	131882	7.610	ug/L	99
34) Trichloroethene	5.841	95	47568	4.179	ug/L	99
35) Methylcyclohexane	5.998	83	11833	0.662	ug/L #	17
37) 1,2-Dichloropropane	5.998	63	5975	0.551	ug/L #	85
47) Tetrachloroethene	7.911	164	1221	0.122	ug/L	95

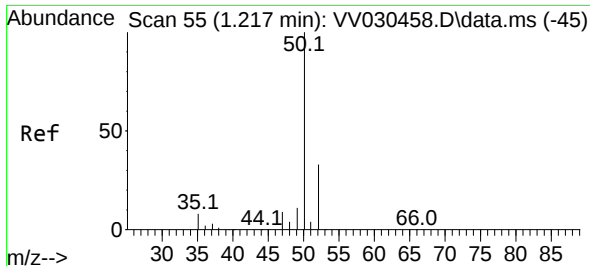
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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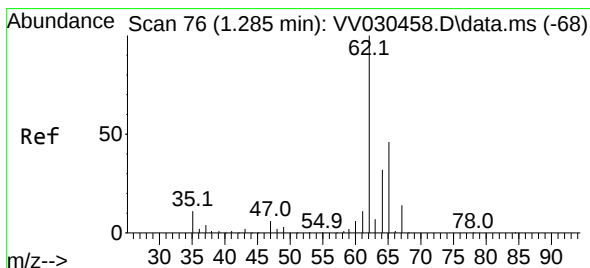
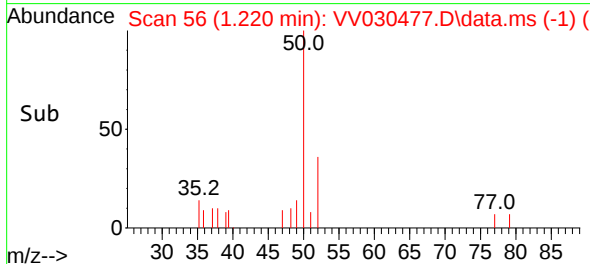
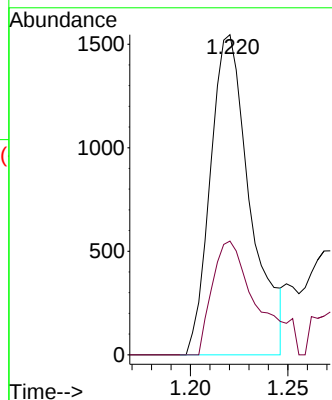
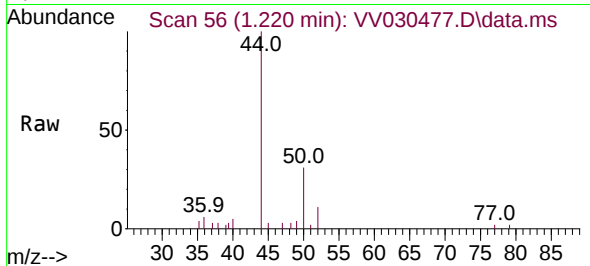




#3
Chloromethane
Concen: 0.116 ug/L
RT: 1.220 min Scan# 50
Delta R.T. 0.003 min
Lab File: VV030477.D
Acq: 10 Apr 2023 19:02

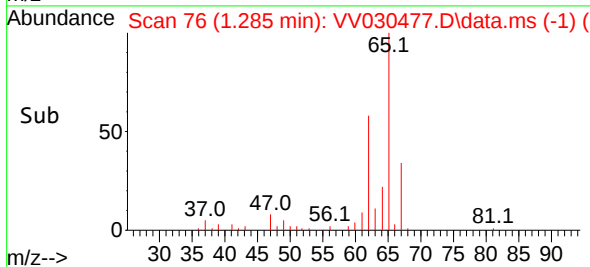
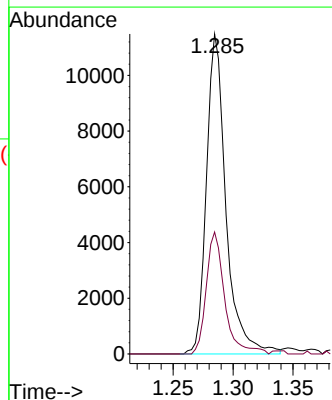
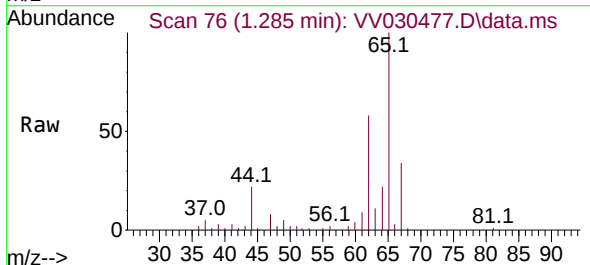
Instrument :
MSVOA_V
ClientSampleId :
C0AA8

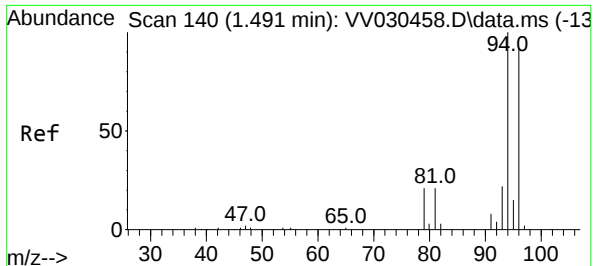
Tgt Ion: 50 Resp: 2198
Ion Ratio Lower Upper
50 100
52 35.5 22.3 41.5



#5
Vinyl chloride
Concen: 0.943 ug/L
RT: 1.285 min Scan# 76
Delta R.T. -0.000 min
Lab File: VV030477.D
Acq: 10 Apr 2023 19:02

Tgt Ion: 62 Resp: 12986
Ion Ratio Lower Upper
62 100
64 38.1 23.2 43.2





#6

Bromomethane

Concen: 0.105 ug/L

RT: 1.497 min Scan# 14

Delta R.T. 0.006 min

Lab File: VV030477.D

Acq: 10 Apr 2023 19:02

Instrument :

MSVOA_V

ClientSampleId :

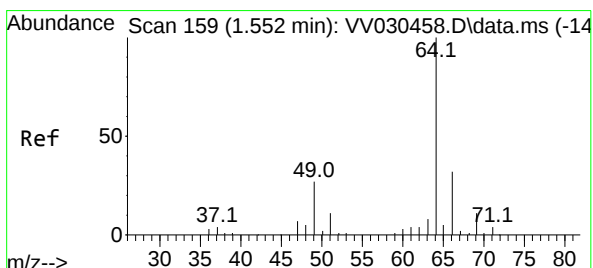
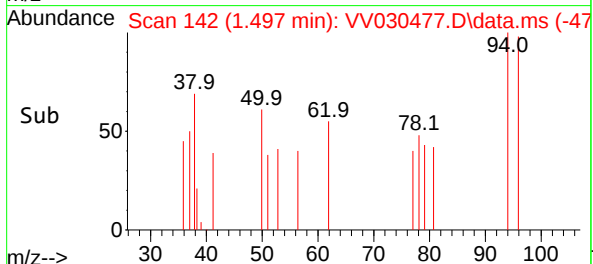
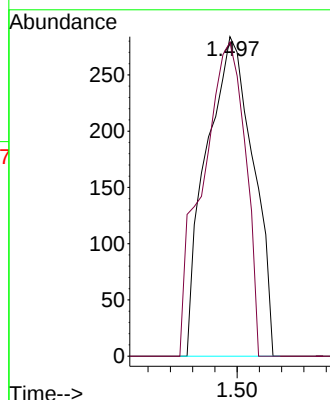
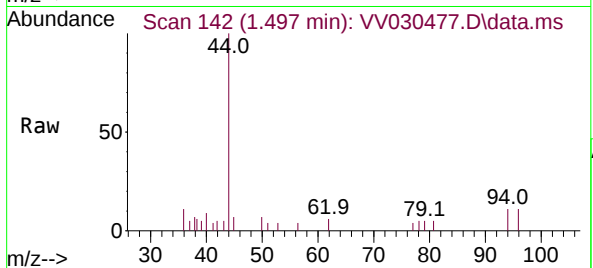
C0AA8

Tgt Ion: 94 Resp: 414

Ion Ratio Lower Upper

94 100

96 98.2 66.1 122.7



#8

Chloroethane

Concen: 0.477 ug/L

RT: 1.555 min Scan# 160

Delta R.T. 0.003 min

Lab File: VV030477.D

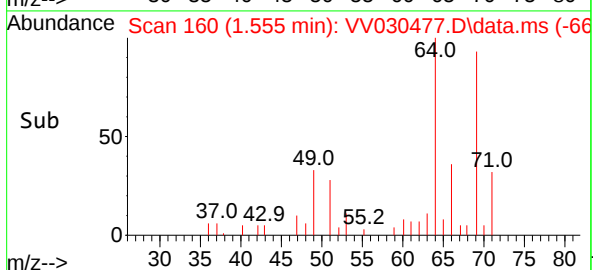
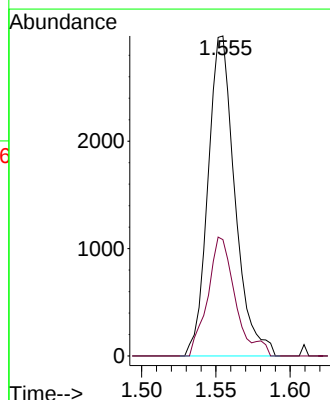
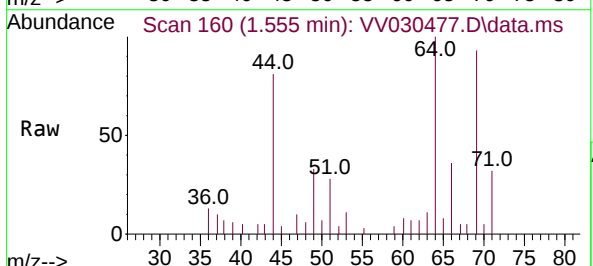
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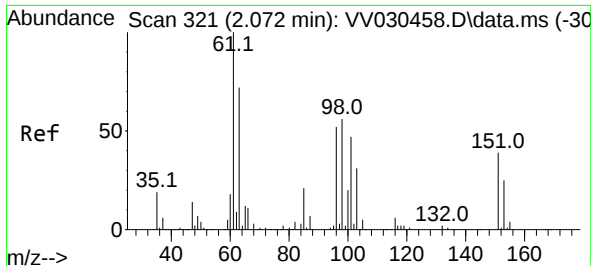
Tgt Ion: 64 Resp: 3759

Ion Ratio Lower Upper

64 100

66 36.3 23.0 42.8

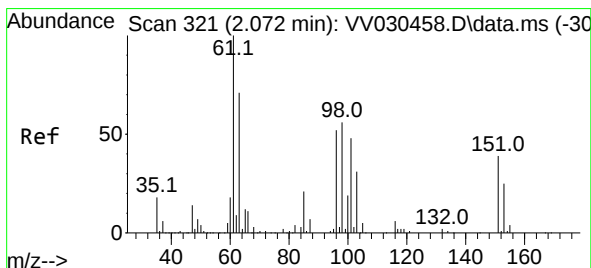
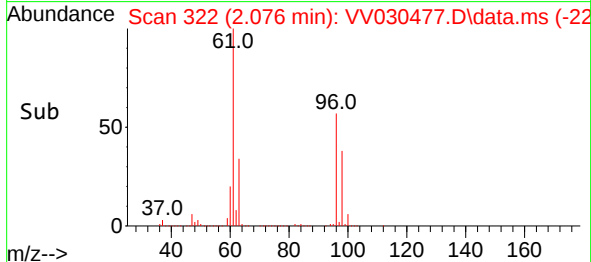
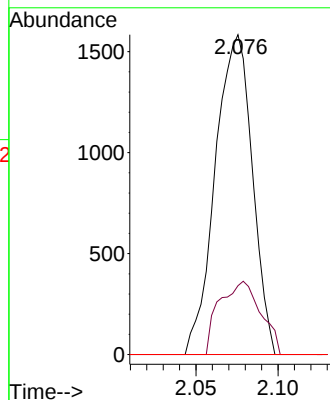
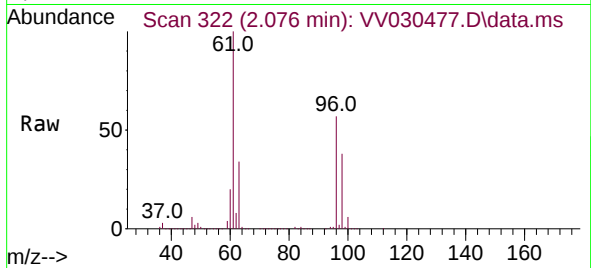




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.224 ug/L
RT: 2.076 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030477.D
Acq: 10 Apr 2023 19:02

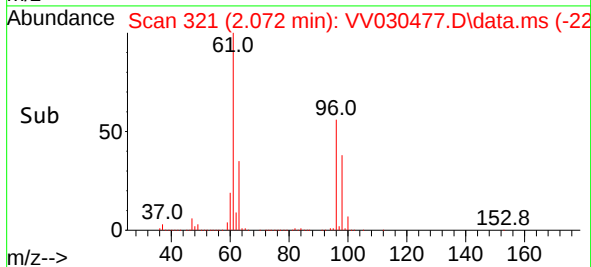
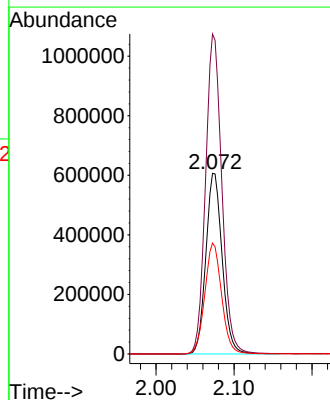
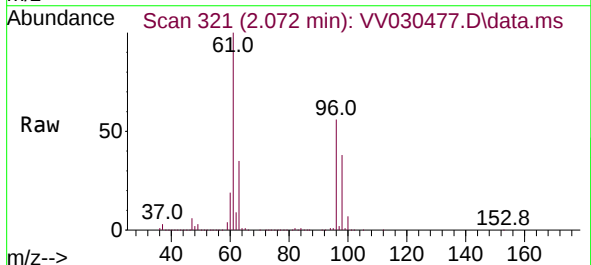
Instrument :
MSVOA_V
ClientSampleId :
C0AA8

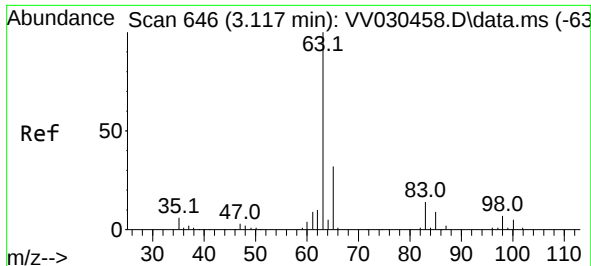
Tgt Ion:101 Resp: 2484
Ion Ratio Lower Upper
101 100
85 25.6 38.1 57.1#
151 0.0 62.7 94.1#



#12
1,1-Dichloroethene
Concen: 89.786 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.000 min
Lab File: VV030477.D
Acq: 10 Apr 2023 19:02

Tgt Ion: 96 Resp: 883371
Ion Ratio Lower Upper
96 100
61 177.1 136.3 253.1
63 61.4 92.1 171.1#

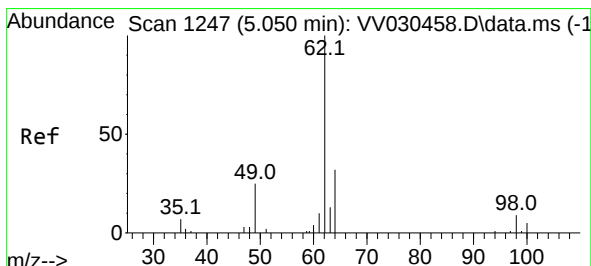
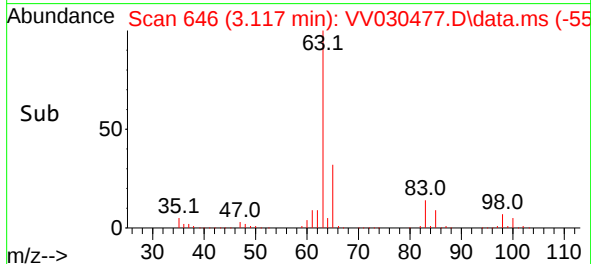
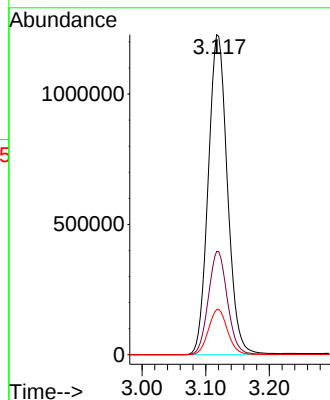
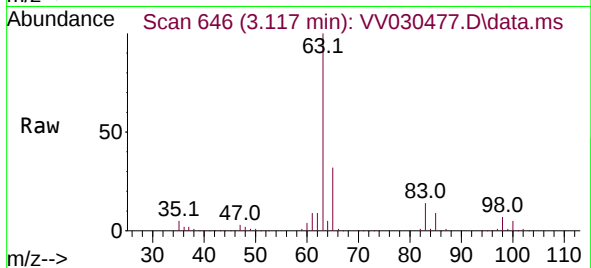




#19
1,1-Dichloroethane
Concen: 128.105 ug/L
RT: 3.117 min Scan# 64
Delta R.T. -0.000 min
Lab File: VV030477.D
Acq: 10 Apr 2023 19:02

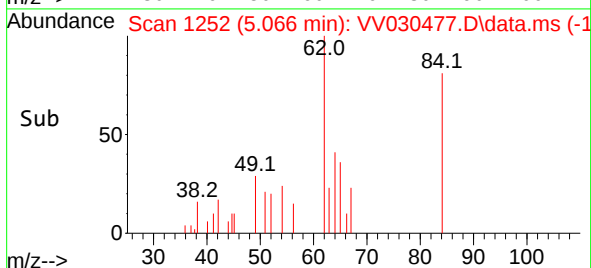
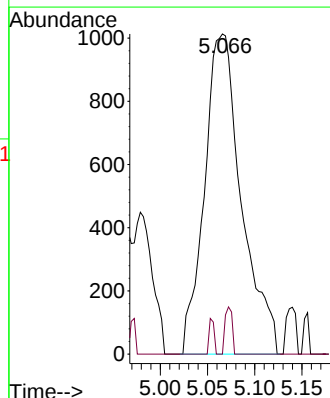
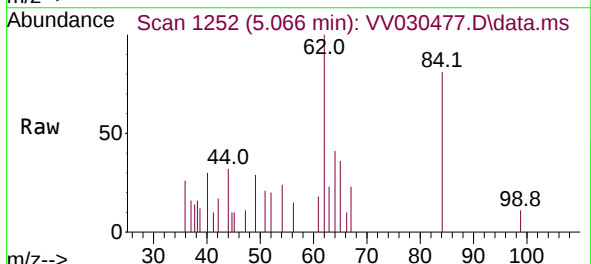
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ClientSampleId :
C0AA8

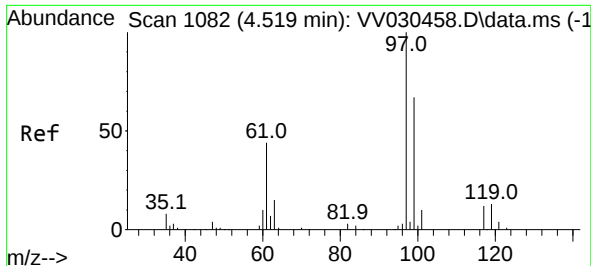
Tgt Ion: 63 Resp: 2574099
Ion Ratio Lower Upper
63 100
65 32.3 21.7 40.3
83 14.2 9.1 16.9



#27
1,2-Dichloroethane
Concen: 0.225 ug/L
RT: 5.066 min Scan# 1252
Delta R.T. 0.016 min
Lab File: VV030477.D
Acq: 10 Apr 2023 19:02

Tgt Ion: 62 Resp: 2759
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.8#





#29

1,1,1-Trichloroethane

Concen: 55.317 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV030477.D

Acq: 10 Apr 2023 19:02

Instrument :

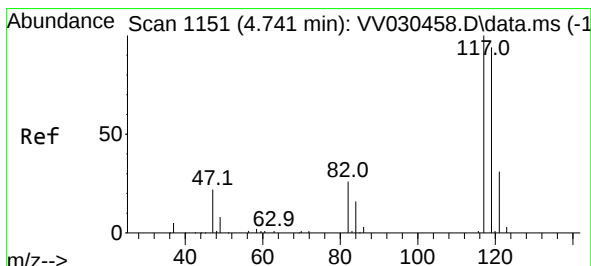
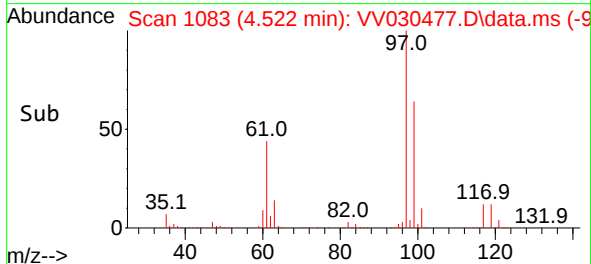
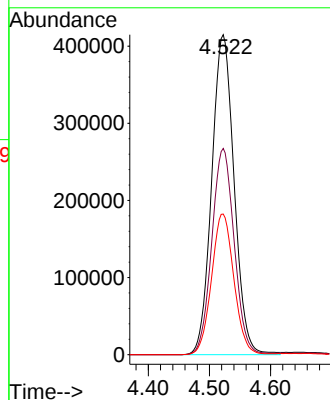
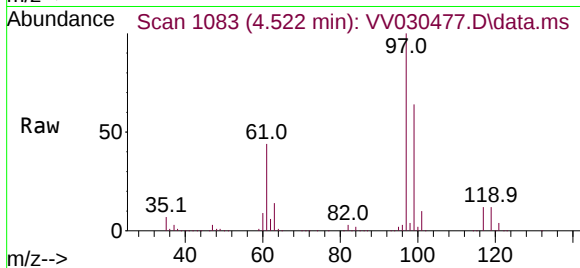
MSVOA_V

ClientSampleId :

C0AA8

Tgt Ion: 97 Resp: 1056552

Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.9	76.3
61	43.9	35.9	53.9



#31

Carbon tetrachloride

Concen: 7.610 ug/L

RT: 4.522 min Scan# 1083

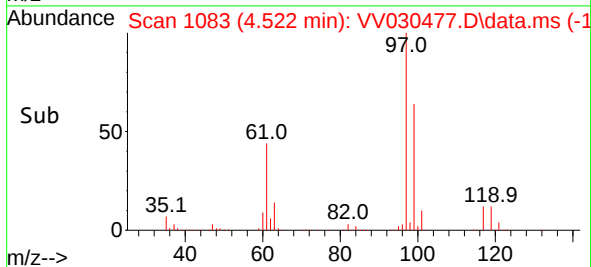
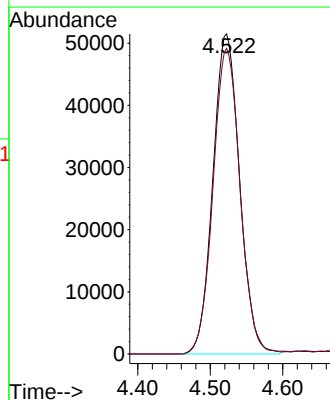
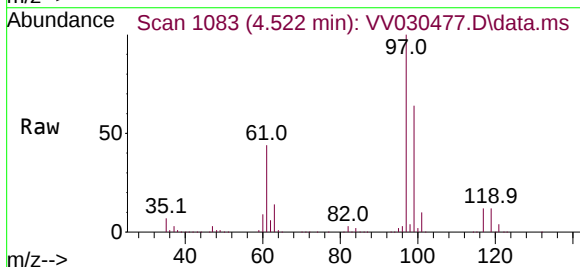
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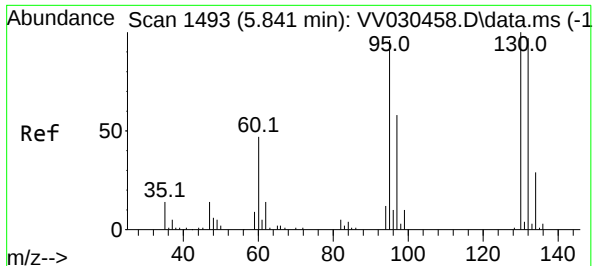
Lab File: VV030477.D

Acq: 10 Apr 2023 19:02

Tgt Ion: 117 Resp: 131882

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.2	114.4

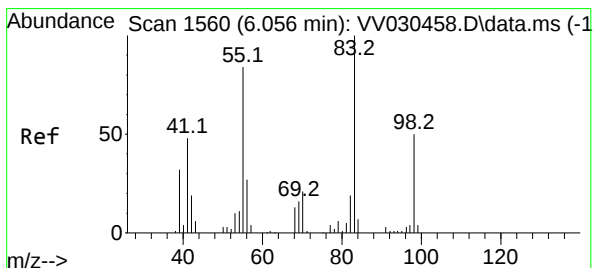
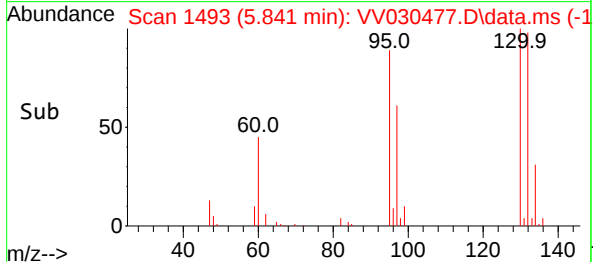
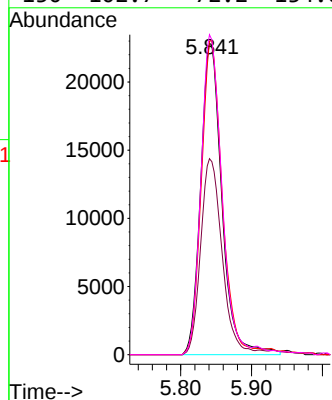
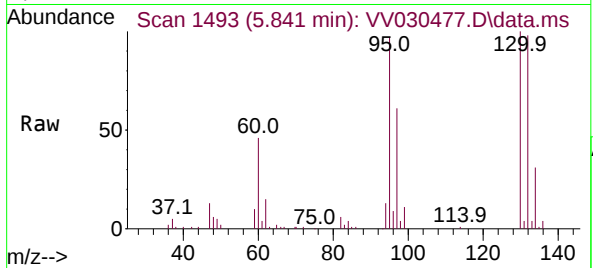




#34
Trichloroethene
Concen: 4.179 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV030477.D
Acq: 10 Apr 2023 19:02

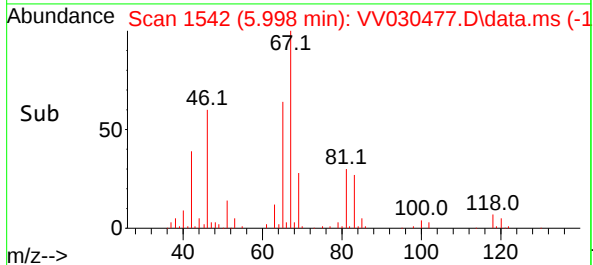
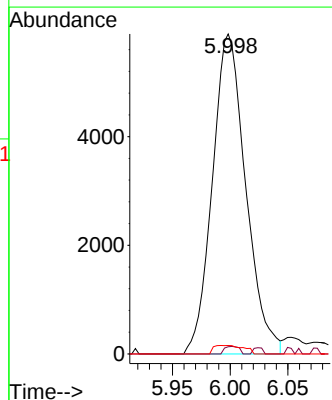
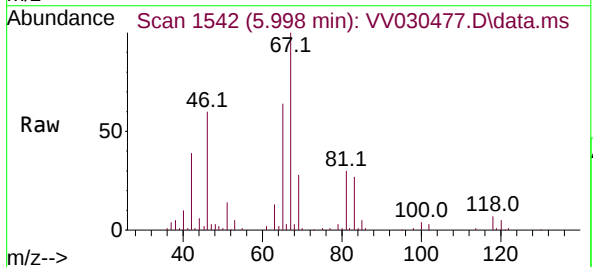
Instrument :
MSVOA_V
ClientSampleId :
C0AA8

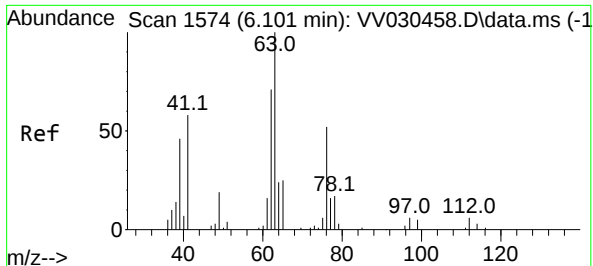
Tgt Ion: 95 Resp: 47568
Ion Ratio Lower Upper
95 100
97 62.9 44.2 82.2
132 100.6 69.5 129.1
130 102.7 72.2 134.0



#35
Methylcyclohexane
Concen: 0.662 ug/L
RT: 5.998 min Scan# 1542
Delta R.T. -0.058 min
Lab File: VV030477.D
Acq: 10 Apr 2023 19:02

Tgt Ion: 83 Resp: 11833
Ion Ratio Lower Upper
83 100
55 1.0 66.6 100.0#
98 2.4 38.6 58.0#





#37

1,2-Dichloropropane

Concen: 0.551 ug/L

RT: 5.998 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV030477.D

Acq: 10 Apr 2023 19:02

Instrument :

MSVOA_V

ClientSampleId :

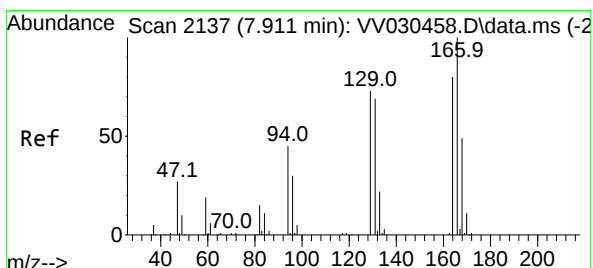
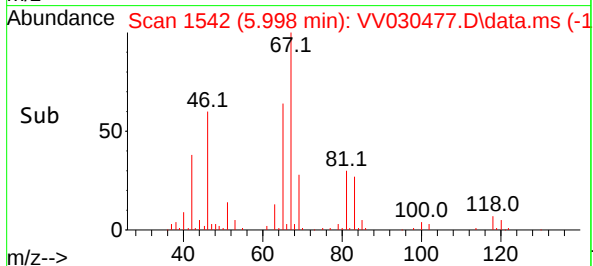
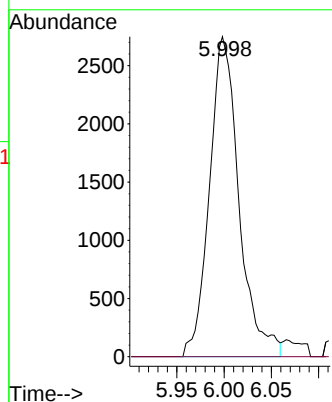
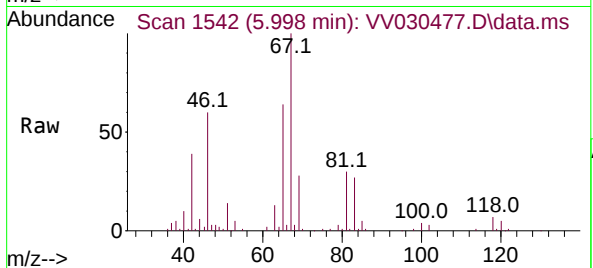
C0AA8

Tgt Ion: 63 Resp: 5975

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



#47

Tetrachloroethene

Concen: 0.122 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VV030477.D

Acq: 10 Apr 2023 19:02

Tgt Ion: 164 Resp: 1221

Ion Ratio Lower Upper

164 100

129 89.8 60.8 112.8

131 86.3 61.7 114.7

166 132.0 85.6 159.0

