

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042823\
 Data File : VW030935.D
 Acq On : 28 Apr 2023 21:00
 Operator : SY/MD
 Sample : 02488-20
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHE75

Quant Time: Apr 29 01:14:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 29 01:06:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	129969	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	127835	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	62660	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	46320	4.326	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.600%
7) Chloroethane-d5	1.539	69	42283	4.841	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.066	65	25593	4.516	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.400%
20) 2-Butanone-d5	3.812	46	92151	48.529	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.060%
24) Chloroform-d	4.259	84	100928	4.743	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	4.953	65	52673	4.869	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	4.969	84	171809	4.585	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
36) 1,2-Dichloropropane-d6	5.998	67	50018	4.591	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.800%
41) Toluene-d8	7.252	98	147828	4.143	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
43) trans-1,3-Dichloroprop...	7.564	79	18056	4.421	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.034	63	66807	46.686	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.380%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	35486	4.493	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	11.567	152	57061	4.885	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.220	50	2172	0.180	ug/L	93
5) Vinyl chloride	1.288	62	873	0.087	ug/L #	2
6) Bromomethane	1.497	94	598	0.124	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	48499	5.106	ug/L	96
12) 1,1-Dichloroethene	2.076	96	976186	111.605	ug/L #	58
14) Carbon disulfide	2.249	76	3179	0.139	ug/L #	83
18) trans-1,2-Dichloroethene	2.706	96	4619	0.578	ug/L	85
19) 1,1-Dichloroethane	3.121	63	183053	11.866	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	31210	3.702	ug/L	96
25) Chloroform	4.291	83	30861	1.864	ug/L	92
27) 1,2-Dichloroethane	5.059	62	9699	0.934	ug/L #	88
29) 1,1,1-Trichloroethane	4.522	97	412782	25.697	ug/L	99
31) Carbon tetrachloride	4.744	117	32582	2.258	ug/L	100
34) Trichloroethene	5.841	95	23765	2.773	ug/L	99
35) Methylcyclohexane	5.995	83	13161	0.991	ug/L #	19
37) 1,2-Dichloropropane	6.111	63	903	0.118	ug/L #	92
42) Toluene	7.326	91	18271	0.528	ug/L	99
45) 1,1,2-Trichloroethane	7.780	97	4110	0.726	ug/L	95
47) Tetrachloroethene	7.911	164	692319	84.664	ug/L	98

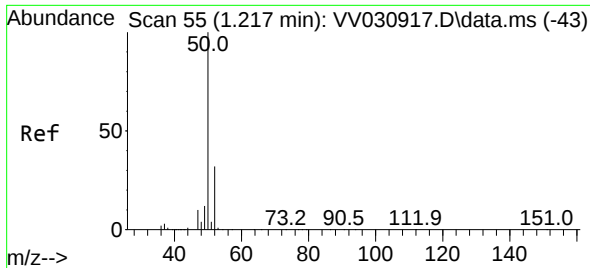
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042823\
Data File : VV030935.D
Acq On : 28 Apr 2023 21:00
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Quant Time: Apr 29 01:14:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 29 01:06:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.911	129	575377	80.816	ug/L #	10
61) 1,2,3-Trichloropropane	10.892	75	477	0.121	ug/L #	48

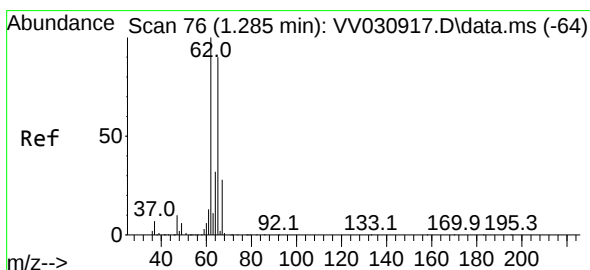
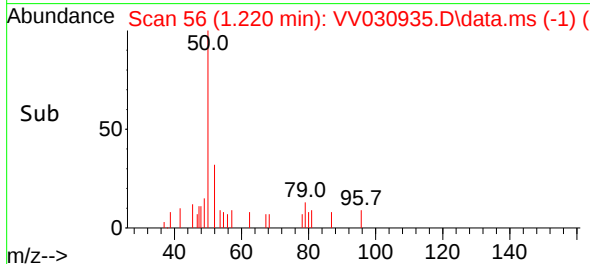
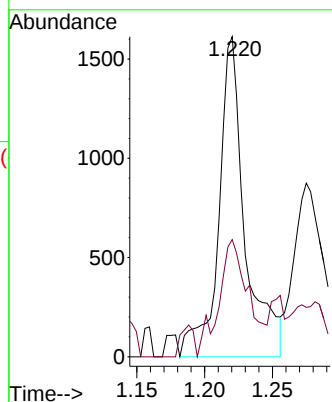
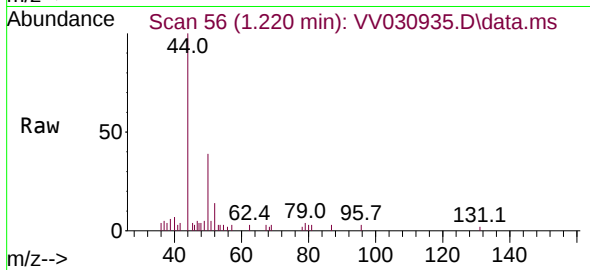
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.180 ug/L
RT: 1.220 min Scan# 50
Delta R.T. 0.003 min
Lab File: VV030935.D
Acq: 28 Apr 2023 21:00

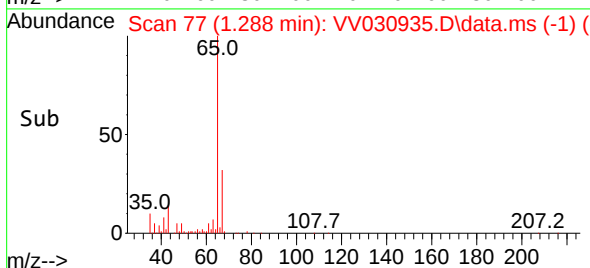
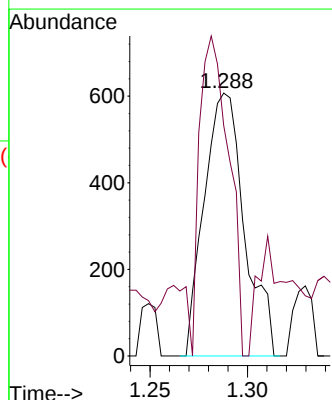
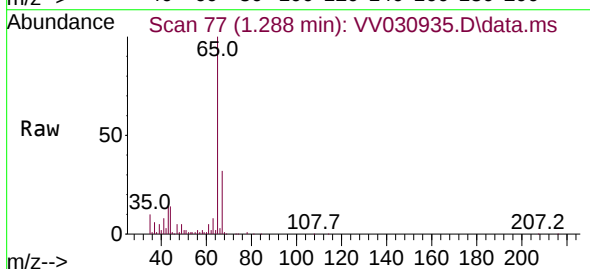
Instrument :
MSVOA_V
ClientSampleId :
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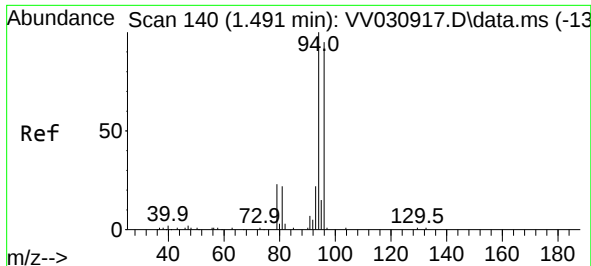
Tgt Ion: 50 Resp: 2172
Ion Ratio Lower Upper
50 100
52 36.6 22.8 42.4



#5
Vinyl chloride
Concen: 0.087 ug/L
RT: 1.288 min Scan# 77
Delta R.T. 0.003 min
Lab File: VV030935.D
Acq: 28 Apr 2023 21:00

Tgt Ion: 62 Resp: 873
Ion Ratio Lower Upper
62 100
64 87.6 22.8 42.4#

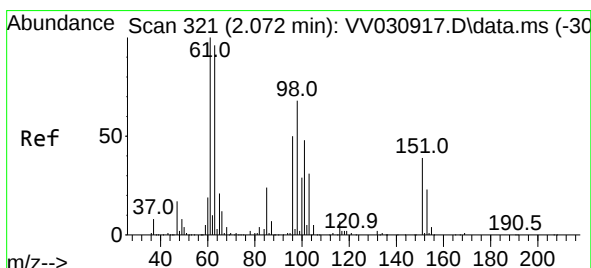
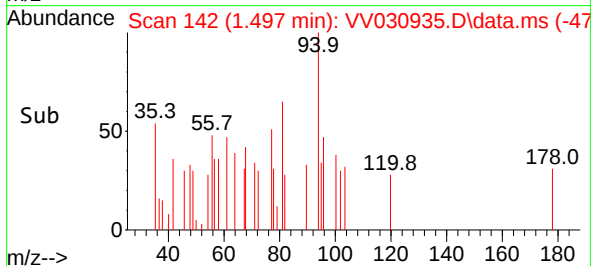
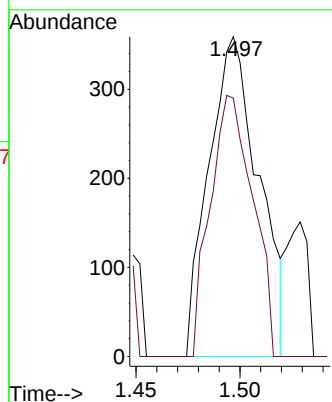
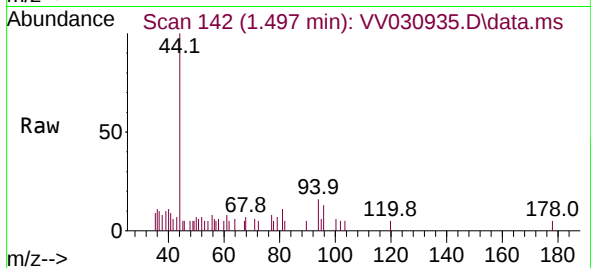




#6
Bromomethane
Concen: 0.124 ug/L
RT: 1.497 min Scan# 14
Delta R.T. 0.006 min
Lab File: VV030935.D
Acq: 28 Apr 2023 21:00

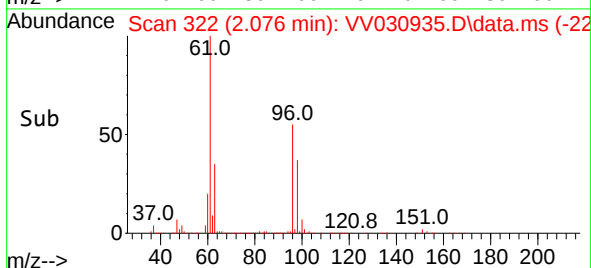
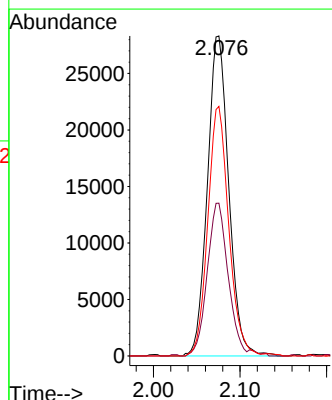
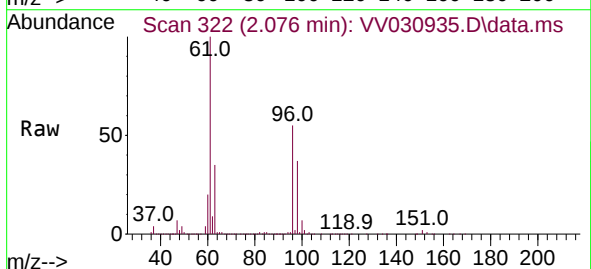
Instrument :
MSVOA_V
ClientSampleId :
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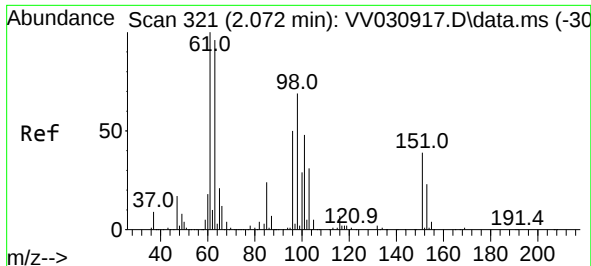
Tgt Ion: 94 Resp: 598
Ion Ratio Lower Upper
94 100
96 80.8 63.4 117.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.106 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.003 min
Lab File: VV030935.D
Acq: 28 Apr 2023 21:00

Tgt Ion: 101 Resp: 48499
Ion Ratio Lower Upper
101 100
85 46.6 38.7 58.1
151 76.5 65.1 97.7

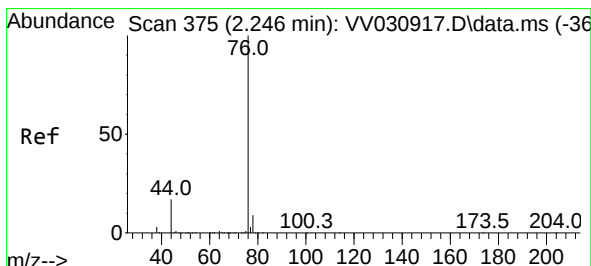
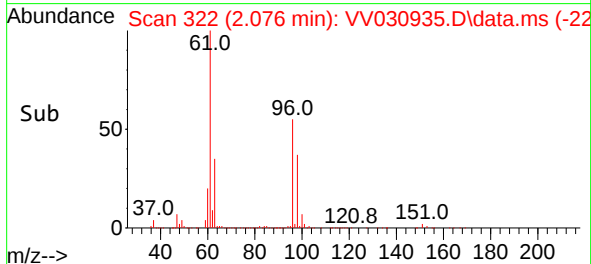
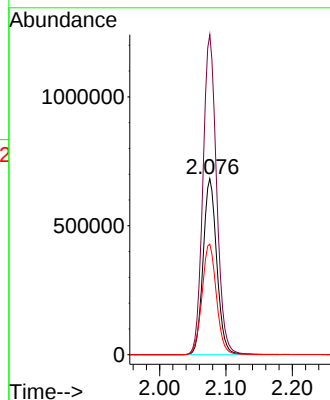
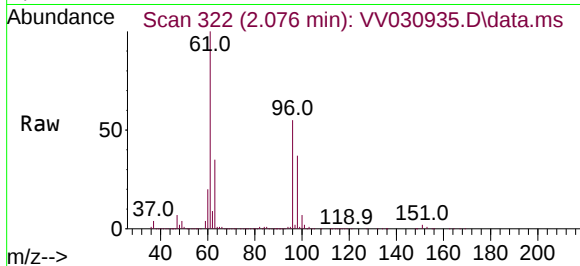




#12
1,1-Dichloroethene
Concen: 111.605 ug/L
RT: 2.076 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030935.D
Acq: 28 Apr 2023 21:00

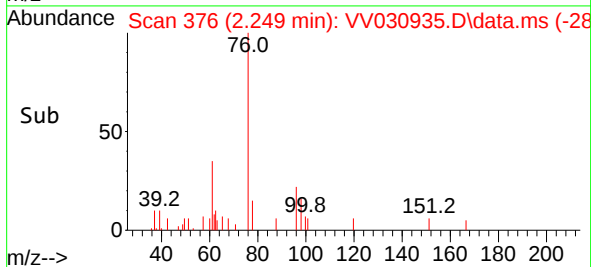
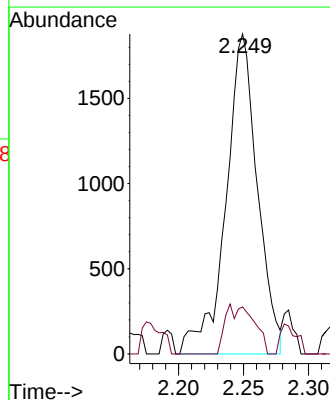
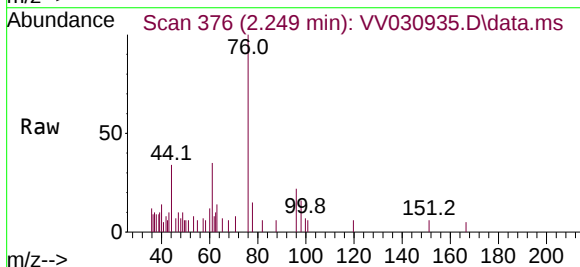
Instrument :
MSVOA_V
ClientSampleId :
BHE75

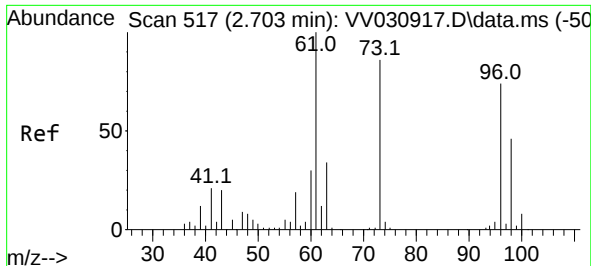
Tgt Ion: 96 Resp: 976186
Ion Ratio Lower Upper
96 100
61 181.8 135.6 251.8
63 62.8 121.1 224.9#



#14
Carbon disulfide
Concen: 0.139 ug/L
RT: 2.249 min Scan# 376
Delta R.T. 0.003 min
Lab File: VV030935.D
Acq: 28 Apr 2023 21:00

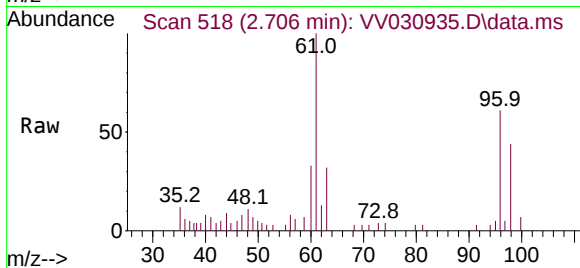
Tgt Ion: 76 Resp: 3179
Ion Ratio Lower Upper
76 100
78 14.7 6.8 10.2#





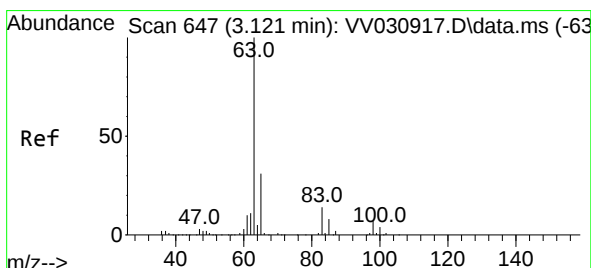
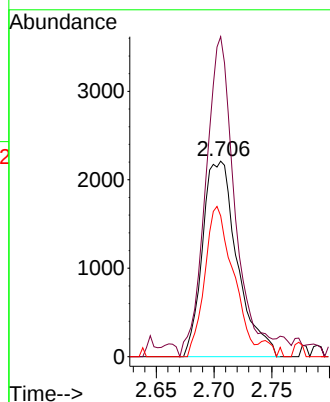
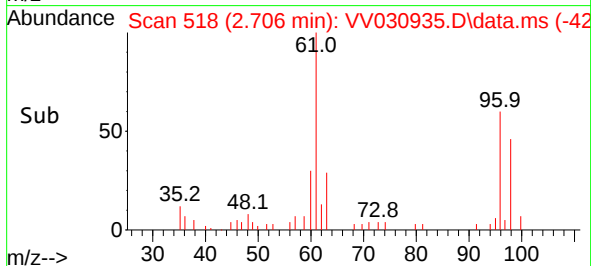
#18
trans-1,2-Dichloroethene
Concen: 0.578 ug/L
RT: 2.706 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030935.D
Acq: 28 Apr 2023 21:00

Instrument :
MSVOA_V
ClientSampleId :
BHE75

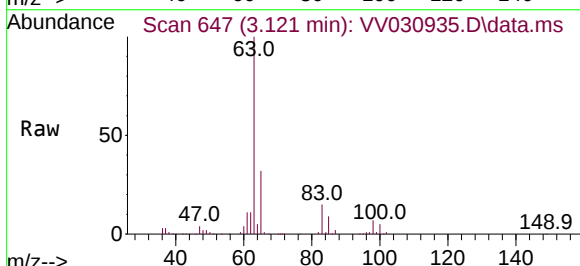


Tgt Ion: 96 Resp: 4619

Ion	Ratio	Lower	Upper
96	100		
61	163.7	98.9	183.7
98	72.0	46.0	85.4

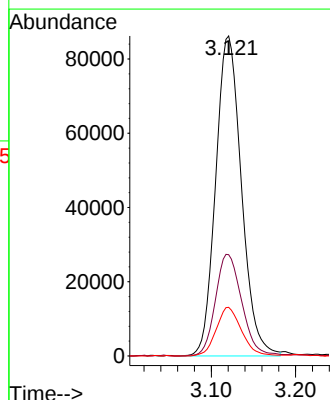
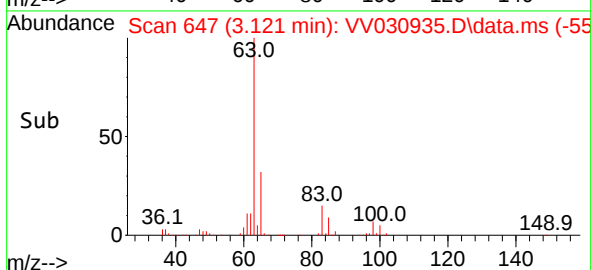


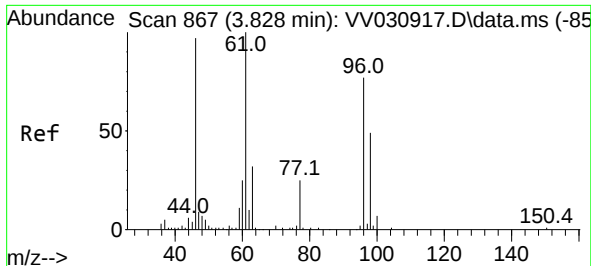
#19
1,1-Dichloroethane
Concen: 11.866 ug/L
RT: 3.121 min Scan# 647
Delta R.T. -0.000 min
Lab File: VV030935.D
Acq: 28 Apr 2023 21:00



Tgt Ion: 63 Resp: 183053

Ion	Ratio	Lower	Upper
63	100		
65	31.6	21.8	40.6
83	15.2	10.2	19.0

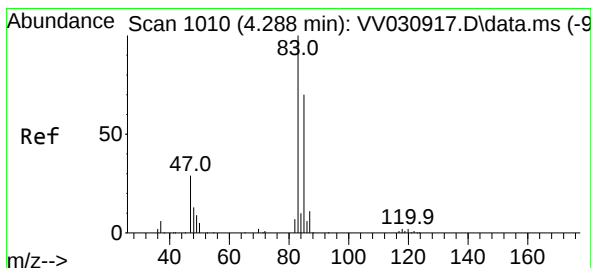
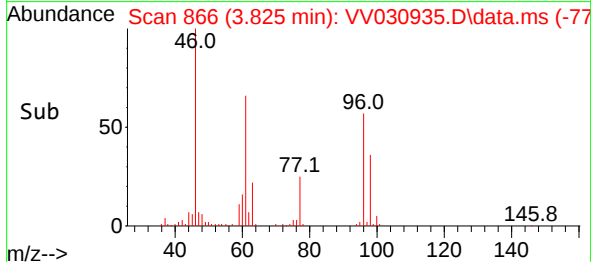
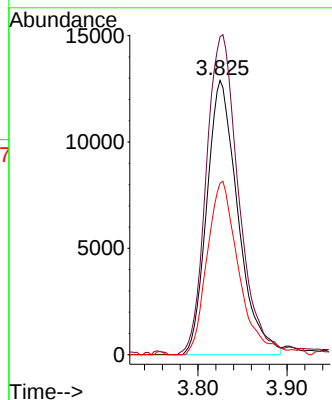
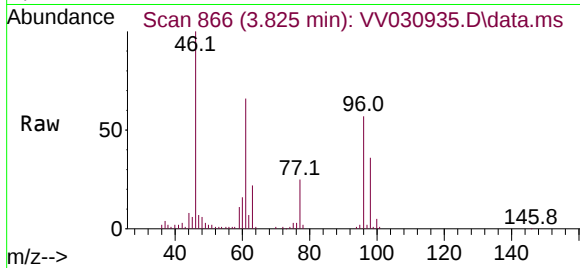




#22
 cis-1,2-Dichloroethene
 Concen: 3.702 ug/L
 RT: 3.825 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VV030935.D
 Acq: 28 Apr 2023 21:00

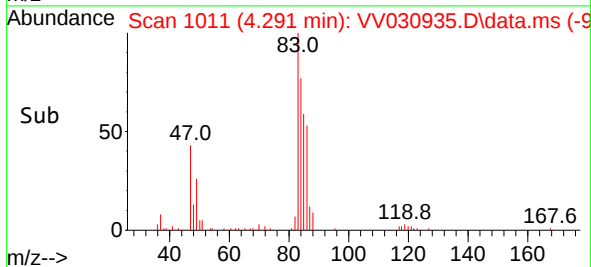
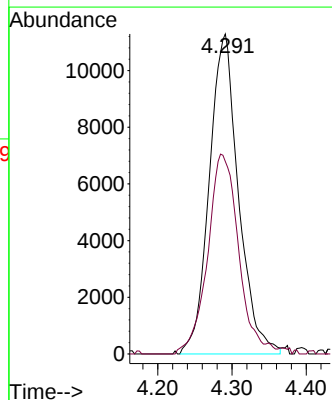
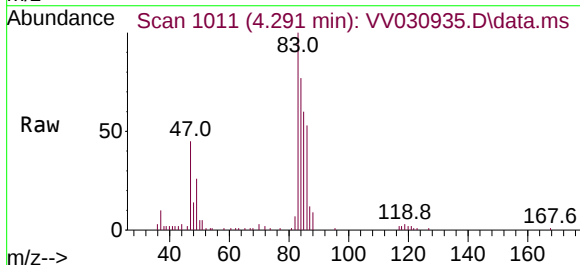
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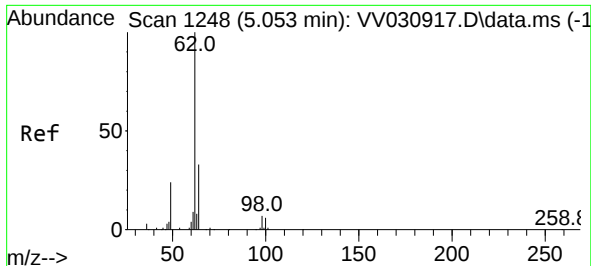
Tgt Ion: 96 Resp: 31210
 Ion Ratio Lower Upper
 96 100
 61 115.9 86.0 159.6
 98 62.6 43.2 80.2



#25
 Chloroform
 Concen: 1.864 ug/L
 RT: 4.291 min Scan# 1011
 Delta R.T. 0.003 min
 Lab File: VV030935.D
 Acq: 28 Apr 2023 21:00

Tgt Ion: 83 Resp: 30861
 Ion Ratio Lower Upper
 83 100
 85 60.1 46.4 86.2

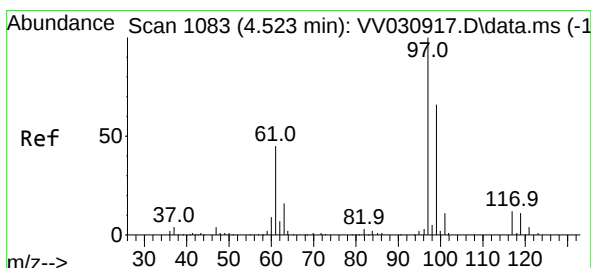
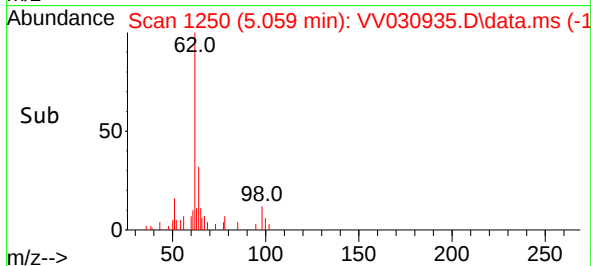
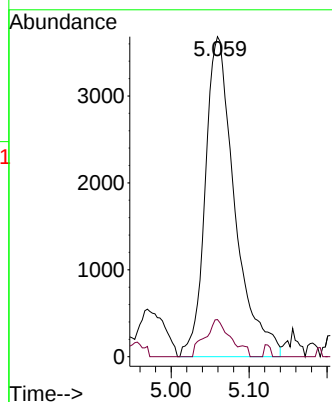
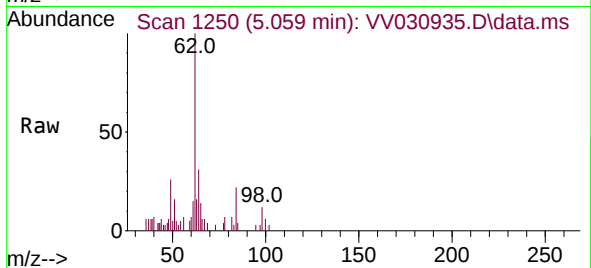




#27
1,2-Dichloroethane
Concen: 0.934 ug/L
RT: 5.059 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV030935.D
Acq: 28 Apr 2023 21:00

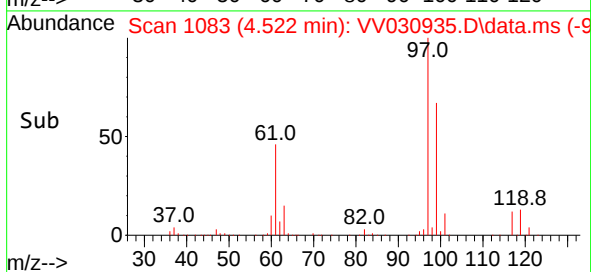
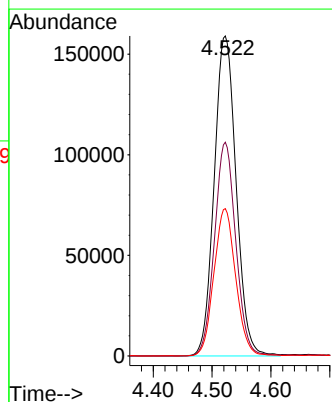
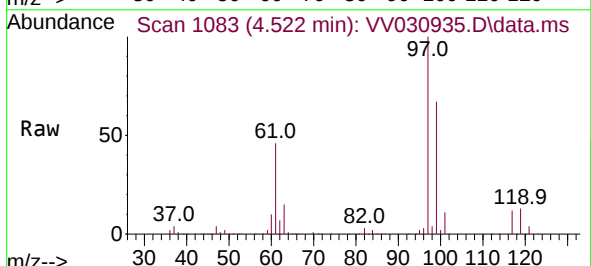
Instrument :
MSVOA_V
ClientSampleId :
BHE75

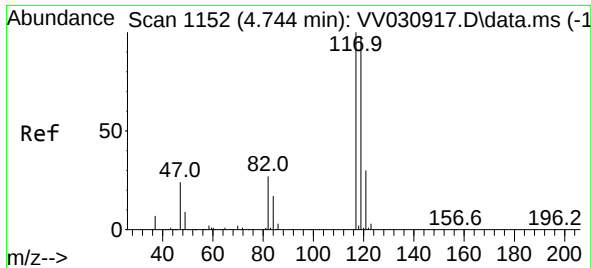
Tgt Ion: 62 Resp: 9699
Ion Ratio Lower Upper
62 100
98 11.6 6.0 9.0#



#29
1,1,1-Trichloroethane
Concen: 25.697 ug/L
RT: 4.522 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VV030935.D
Acq: 28 Apr 2023 21:00

Tgt Ion: 97 Resp: 412782
Ion Ratio Lower Upper
97 100
99 64.9 51.4 77.2
61 45.6 37.4 56.0

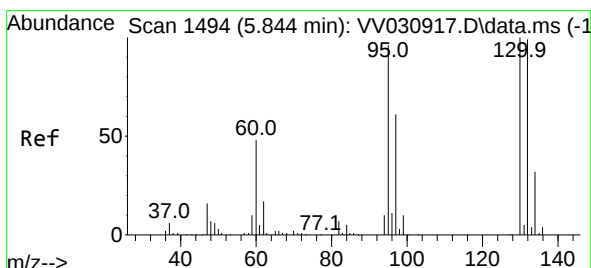
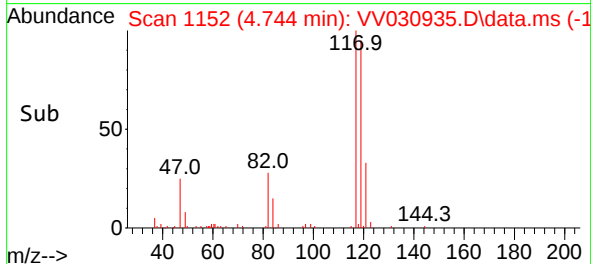
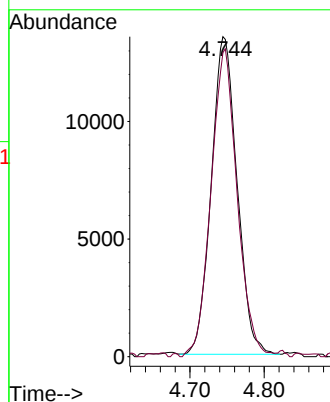
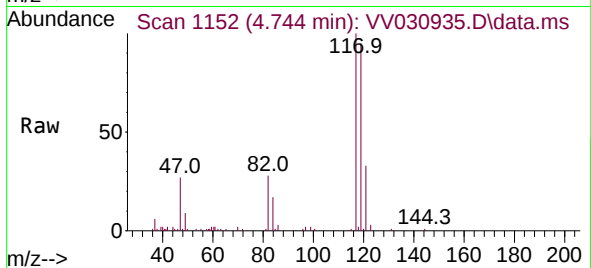




#31
Carbon tetrachloride
Concen: 2.258 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV030935.D
Acq: 28 Apr 2023 21:00

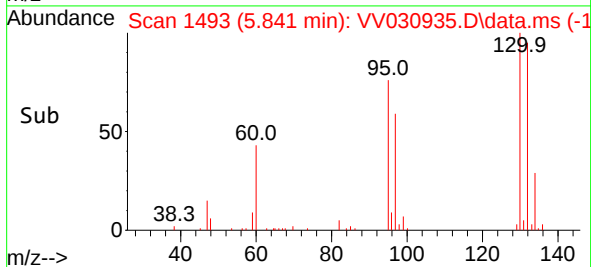
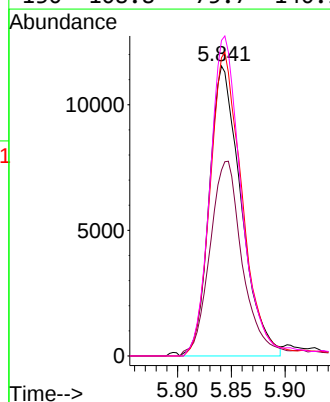
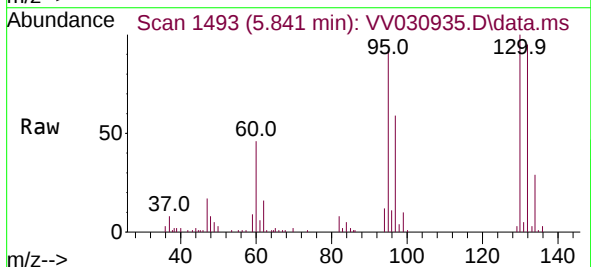
Instrument :
MSVOA_V
ClientSampleId :
BHE75

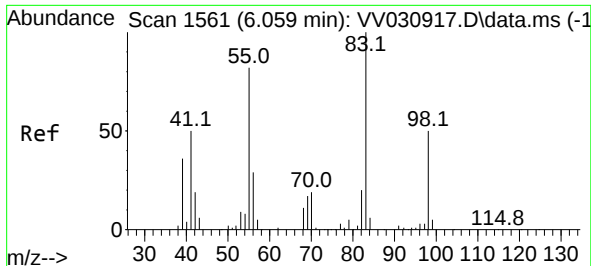
Tgt Ion: 117 Resp: 32582
Ion Ratio Lower Upper
117 100
119 98.5 78.4 117.6



#34
Trichloroethene
Concen: 2.773 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.003 min
Lab File: VV030935.D
Acq: 28 Apr 2023 21:00

Tgt Ion: 95 Resp: 23765
Ion Ratio Lower Upper
95 100
97 64.1 46.2 85.8
132 102.9 72.7 135.1
130 108.8 75.7 140.5

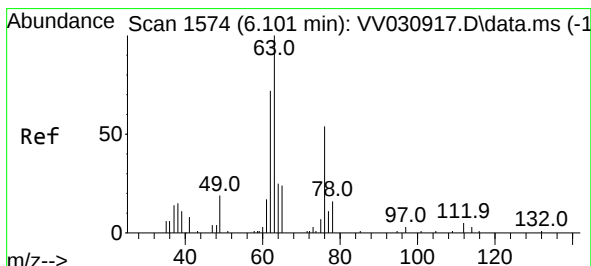
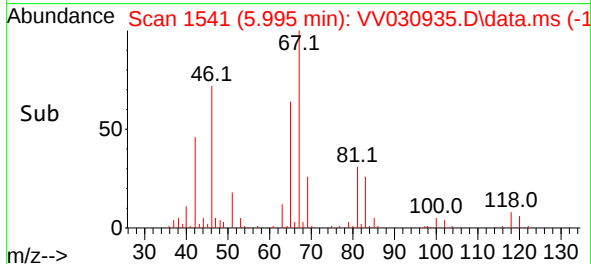
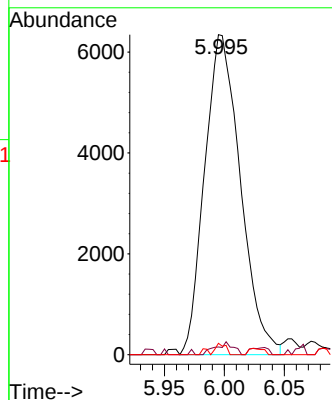
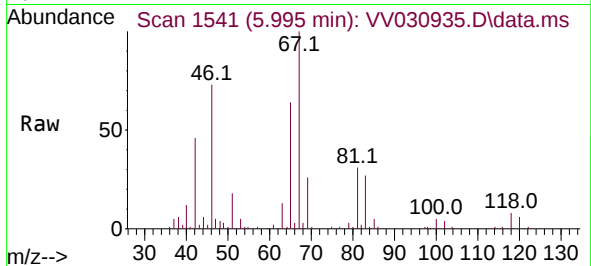




#35
Methylcyclohexane
Concen: 0.991 ug/L
RT: 5.995 min Scan# 11
Delta R.T. -0.064 min
Lab File: VV030935.D
Acq: 28 Apr 2023 21:00

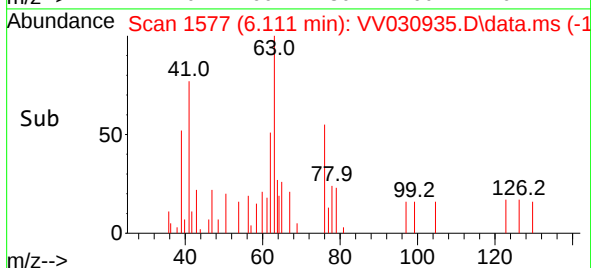
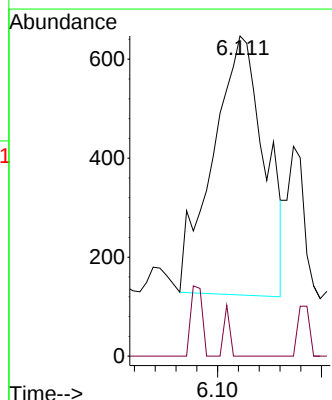
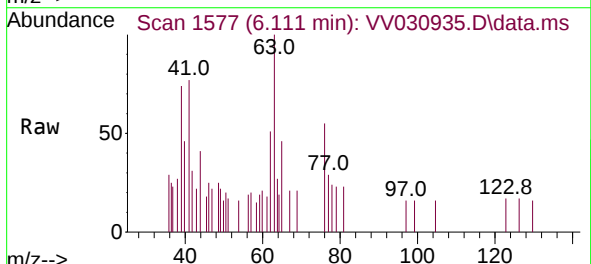
Instrument :
MSVOA_V
ClientSampleId :
BHE75

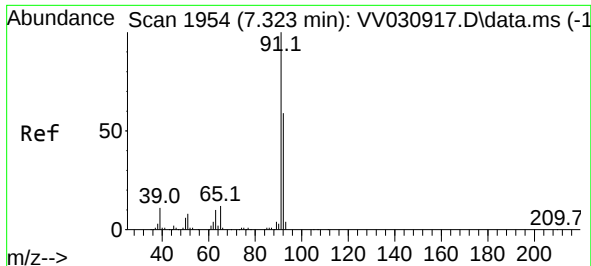
Tgt Ion: 83 Resp: 13161
Ion Ratio Lower Upper
83 100
55 2.0 62.9 94.3#
98 1.0 40.5 60.7#



#37
1,2-Dichloropropane
Concen: 0.118 ug/L
RT: 6.111 min Scan# 1577
Delta R.T. 0.010 min
Lab File: VV030935.D
Acq: 28 Apr 2023 21:00

Tgt Ion: 63 Resp: 903
Ion Ratio Lower Upper
63 100
112 2.2 3.8 5.8#

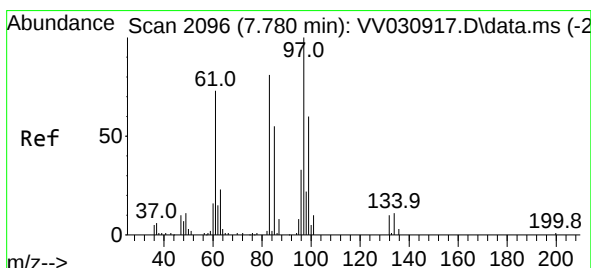
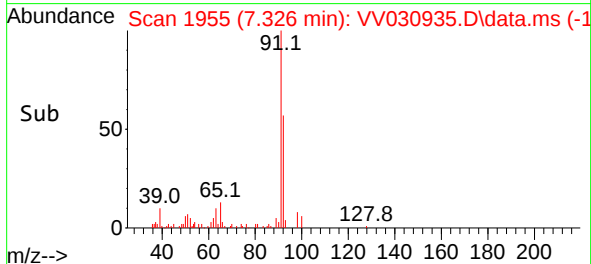
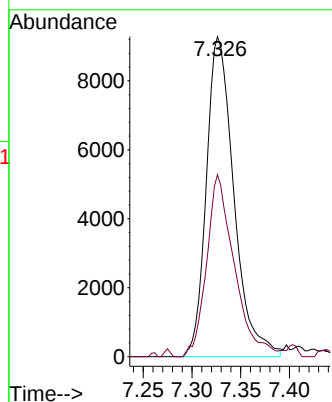
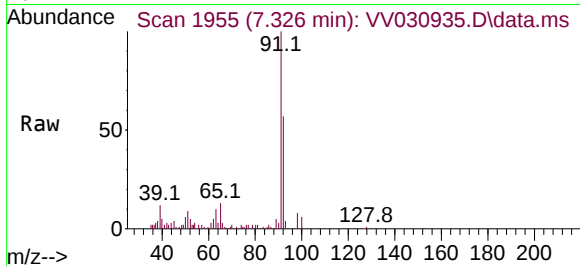




#42
Toluene
Concen: 0.528 ug/L
RT: 7.326 min Scan# 1954
Delta R.T. 0.003 min
Lab File: VV030935.D
Acq: 28 Apr 2023 21:00

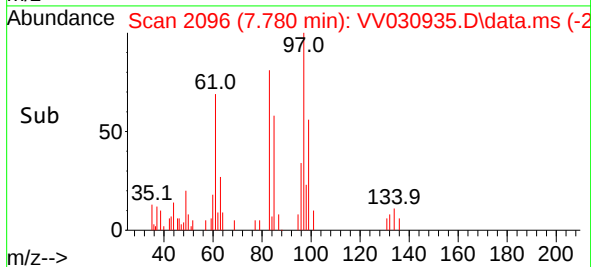
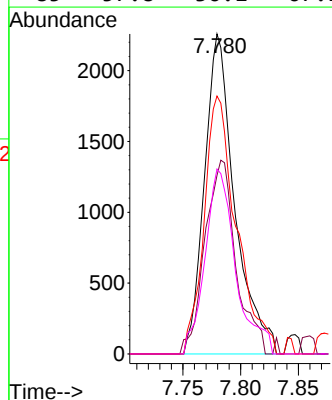
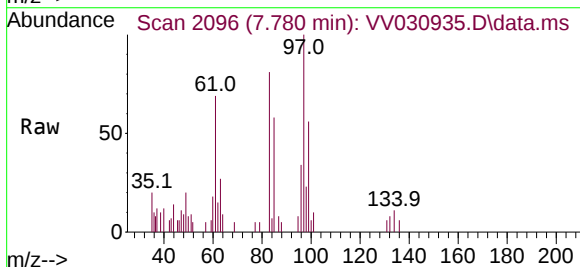
Instrument :
MSVOA_V
ClientSampleId :
BHE75

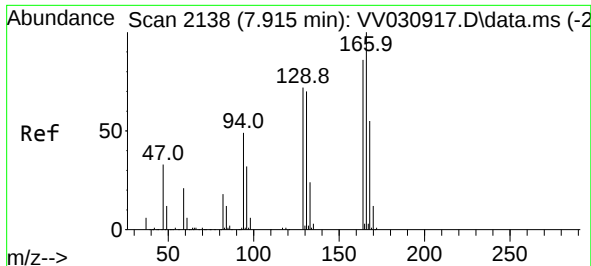
Tgt Ion: 91 Resp: 18271
Ion Ratio Lower Upper
91 100
92 56.8 40.5 75.1



#45
1,1,2-Trichloroethane
Concen: 0.726 ug/L
RT: 7.780 min Scan# 2096
Delta R.T. -0.000 min
Lab File: VV030935.D
Acq: 28 Apr 2023 21:00

Tgt Ion: 97 Resp: 4110
Ion Ratio Lower Upper
97 100
99 55.8 42.8 79.6
83 80.6 57.5 106.7
85 57.8 36.1 67.1





#47

Tetrachloroethene

Concen: 84.664 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VV030935.D

Acq: 28 Apr 2023 21:00

Instrument :

MSVOA_V

ClientSampleId :

BHE75

Tgt Ion:164 Resp: 692319

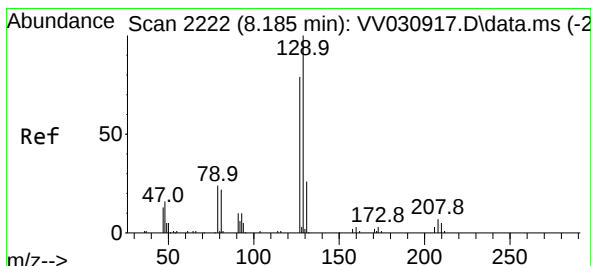
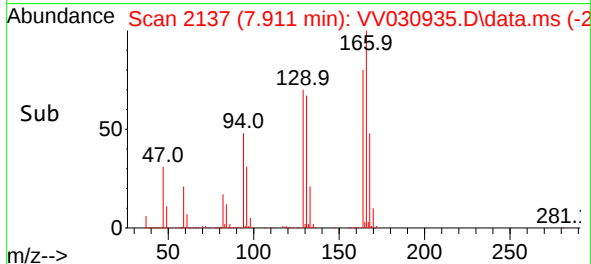
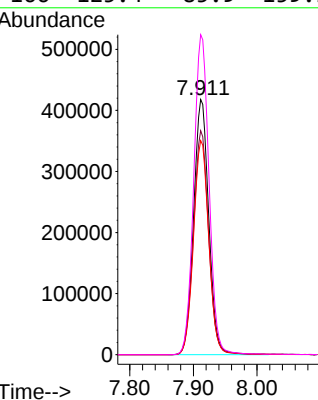
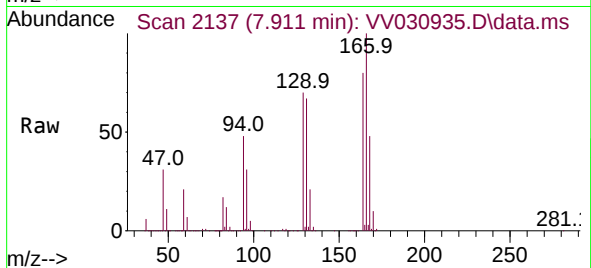
Ion Ratio Lower Upper

164 100

129 87.7 60.5 112.3

131 83.9 60.8 112.8

166 125.4 85.9 159.5



#49

Dibromochloromethane

Concen: 80.816 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.273 min

Lab File: VV030935.D

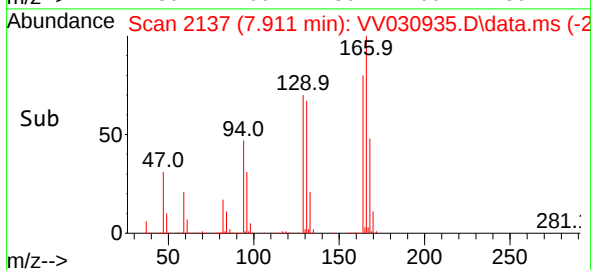
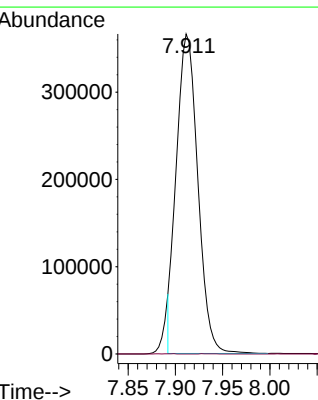
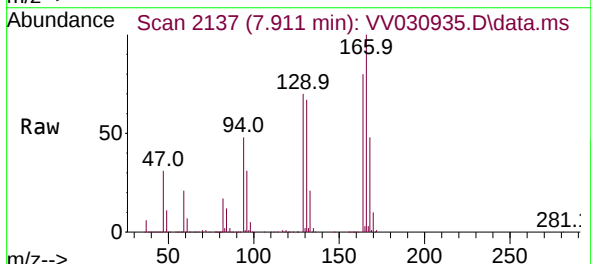
Acq: 28 Apr 2023 21:00

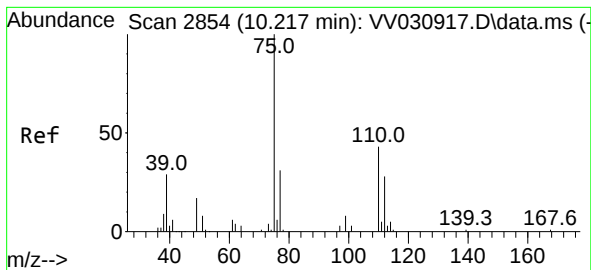
Tgt Ion:129 Resp: 575377

Ion Ratio Lower Upper

129 100

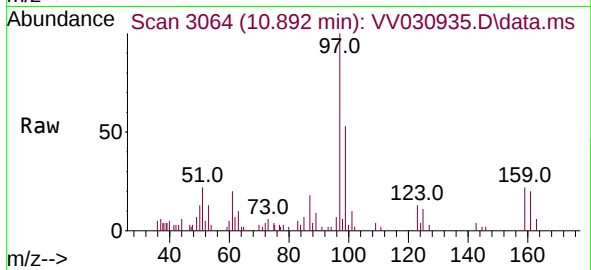
127 0.0 55.3 102.7#





#61
 1,2,3-Trichloropropane
 Concen: 0.121 ug/L
 RT: 10.892 min Scan# 3064
 Delta R.T. 0.675 min
 Lab File: VV030935.D
 Acq: 28 Apr 2023 21:00

Instrument :
 MSVOA_V
 ClientSampleId :
 BHE75



Tgt Ion: 75 Resp: 477
 Ion Ratio Lower Upper
 75 100
 77 49.7 25.3 37.9#
 110 0.0 34.0 51.0#

