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 Data File : VV030951.D
 Acq On : 01 May 2023 13:27
 Operator : SY/MD
 Sample : 02488-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

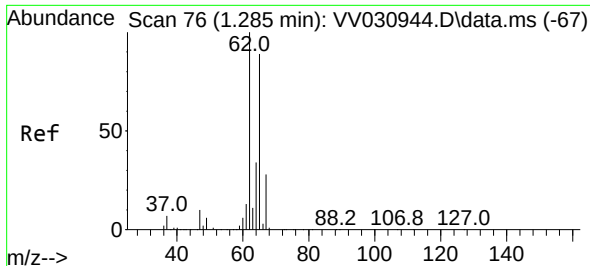
Instrument :
 MSVOA_V
 ClientSampleId :
 BHE66

Quant Time: May 02 01:33:36 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	125835	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	125904	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	64311	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	41874	4.039	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.800%
7) Chloroethane-d5	1.539	69	34773	4.112	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	2.066	65	22713	4.140	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.800%
20) 2-Butanone-d5	3.834	46	84054	45.720	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.440%
24) Chloroform-d	4.262	84	84819	4.117	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
26) 1,2-Dichloroethane-d4	4.957	65	43154	4.120	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.400%
32) Benzene-d6	4.969	84	143683	3.893	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
36) 1,2-Dichloropropane-d6	5.998	67	42517	3.962	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.200%
41) Toluene-d8	7.252	98	126450	3.598	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.000%
43) trans-1,3-Dichloroprop...	7.564	79	17088	4.248	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.000%
46) 2-Hexanone-d5	8.037	63	59474	42.199	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.400%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	31745	4.081	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.600%
66) 1,2-Dichlorobenzene-d4	11.570	152	49485	4.128	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.600%
Target Compounds						
5) Vinyl chloride	1.285	62	6679	0.684	ug/L #	80
9) Trichlorofluoromethane	1.719	101	3295	0.183	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	5168	0.562	ug/L	86
12) 1,1-Dichloroethene	2.076	96	106016	12.519	ug/L #	68
17) Methyl tert-butyl Ether	2.712	73	10190	0.632	ug/L #	93
19) 1,1-Dichloroethane	3.121	63	20925	1.401	ug/L	98
22) cis-1,2-Dichloroethene	3.825	96	61848	7.578	ug/L	97
25) Chloroform	4.288	83	61853	3.860	ug/L	98
29) 1,1,1-Trichloroethane	4.526	97	27583	1.743	ug/L	98
31) Carbon tetrachloride	4.748	117	19310	1.359	ug/L	96
34) Trichloroethene	5.841	95	484892	57.437	ug/L	98
47) Tetrachloroethene	7.911	164	193373	24.010	ug/L	97

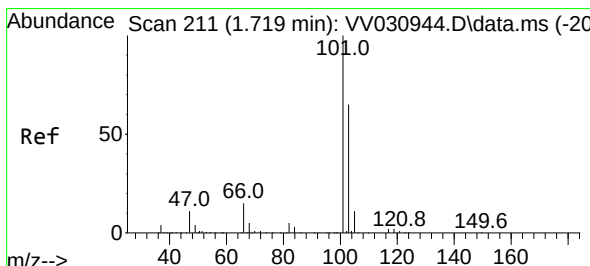
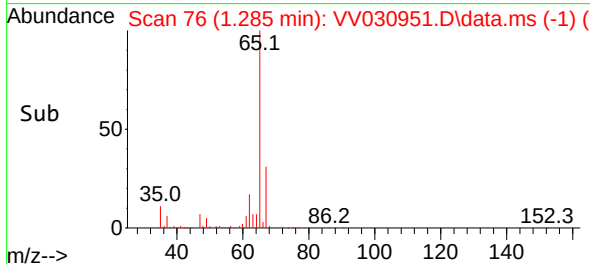
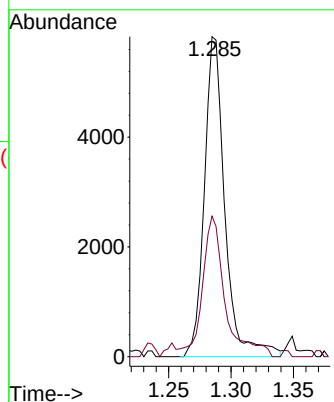
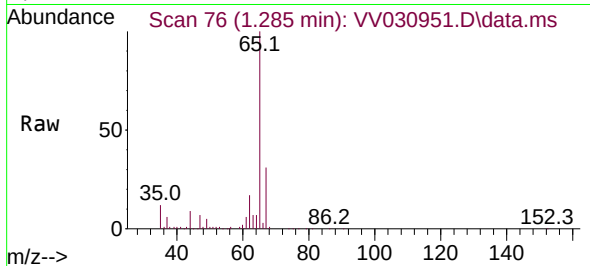
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 0.684 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV030951.D
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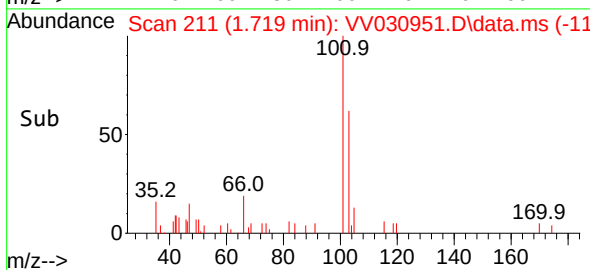
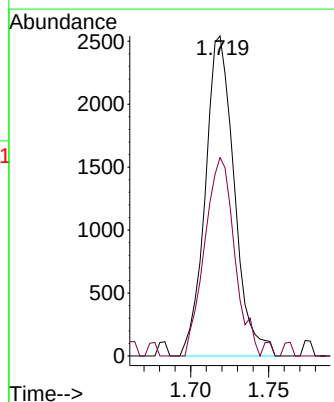
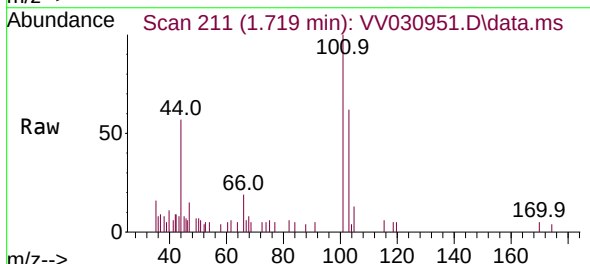
Instrument :
 MSVOA_V
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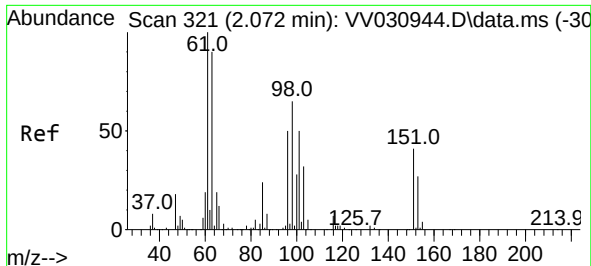
Tgt Ion: 62 Resp: 6679
 Ion Ratio Lower Upper
 62 100
 64 43.9 22.8 42.4#



#9
 Trichlorofluoromethane
 Concen: 0.183 ug/L
 RT: 1.719 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: VV030951.D
 Acq: 01 May 2023 13:27

Tgt Ion: 101 Resp: 3295
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.8 77.8

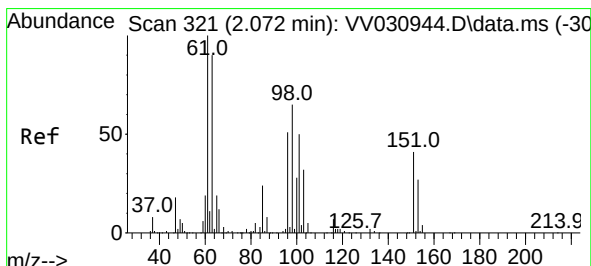
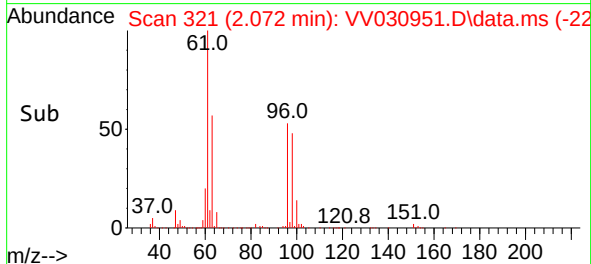
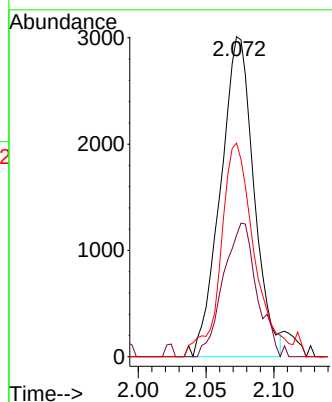
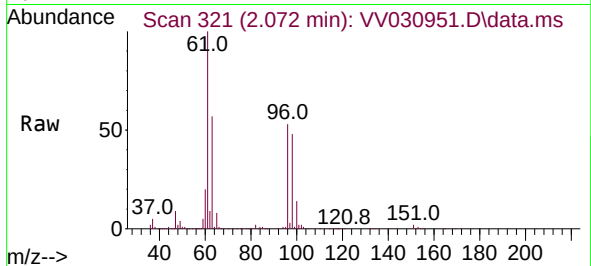




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.562 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV030951.D
 Acq: 01 May 2023 13:27

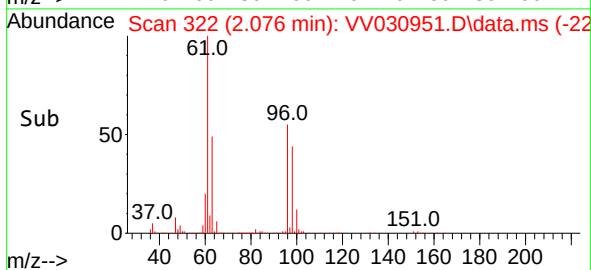
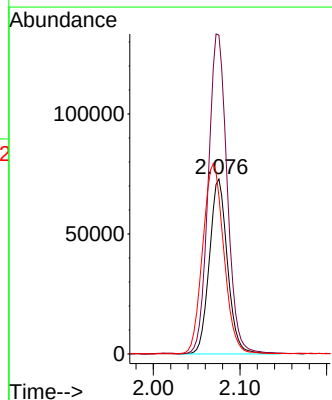
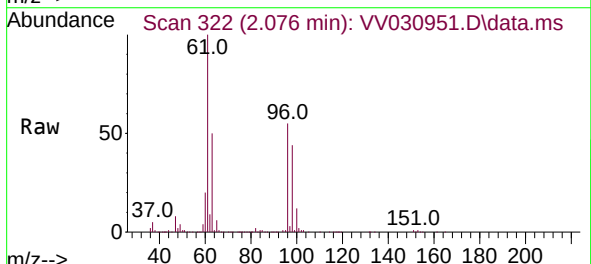
Instrument :
 MSVOA_V
 ClientSampleId :
 BHE66

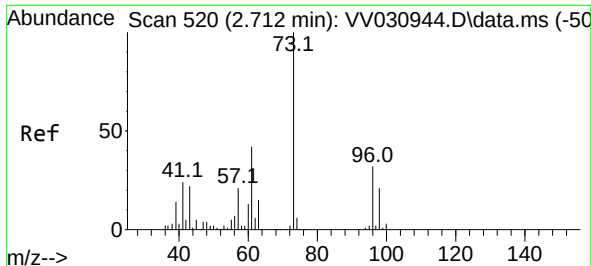
Tgt Ion:101 Resp: 5168
 Ion Ratio Lower Upper
 101 100
 85 42.0 38.7 58.1
 151 66.9 65.1 97.7



#12
 1,1-Dichloroethene
 Concen: 12.519 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030951.D
 Acq: 01 May 2023 13:27

Tgt Ion: 96 Resp: 106016
 Ion Ratio Lower Upper
 96 100
 61 182.3 135.6 251.8
 63 90.3 121.1 224.9#

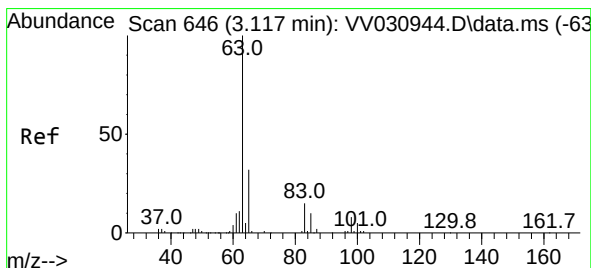
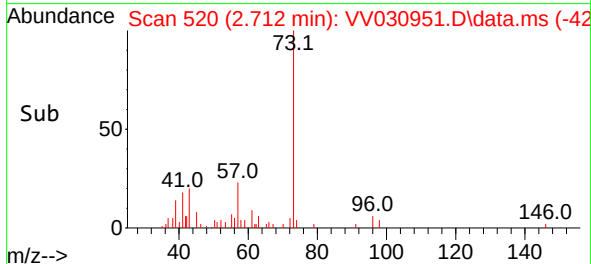
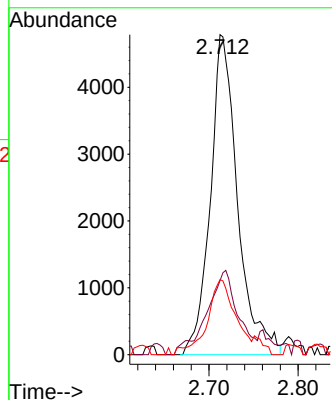
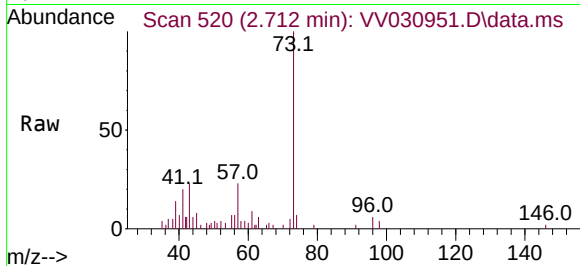




#17
Methyl tert-butyl Ether
Concen: 0.632 ug/L
RT: 2.712 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV030951.D
Acq: 01 May 2023 13:27

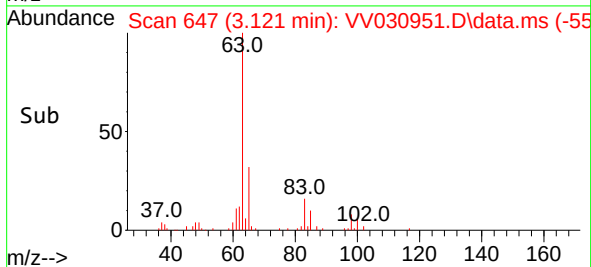
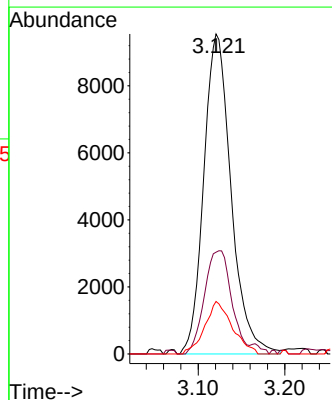
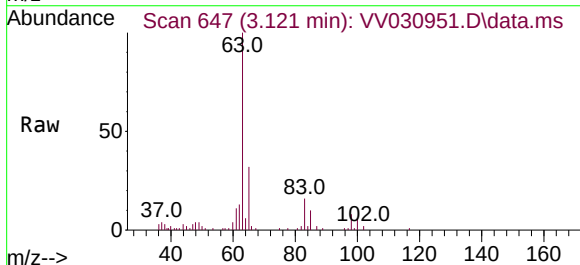
Instrument :
MSVOA_V
ClientSampleId :
BHE66

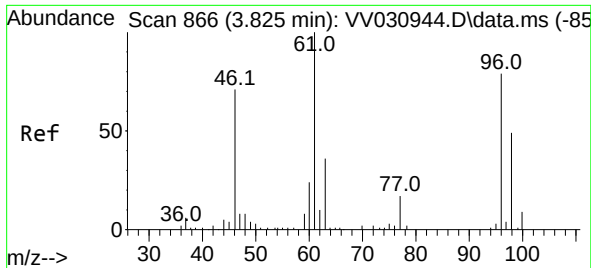
Tgt Ion: 73 Resp: 10190
Ion Ratio Lower Upper
73 100
43 30.0 19.9 29.9#
57 24.2 18.2 27.4



#19
1,1-Dichloroethane
Concen: 1.401 ug/L
RT: 3.121 min Scan# 647
Delta R.T. -0.000 min
Lab File: VV030951.D
Acq: 01 May 2023 13:27

Tgt Ion: 63 Resp: 20925
Ion Ratio Lower Upper
63 100
65 31.8 21.8 40.6
83 16.4 10.2 19.0



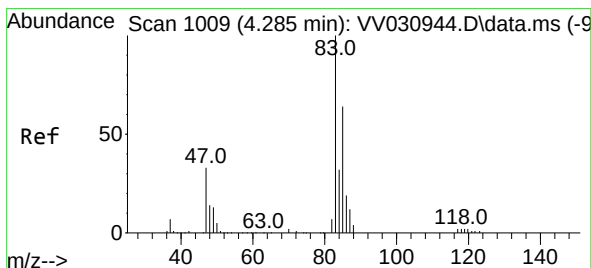
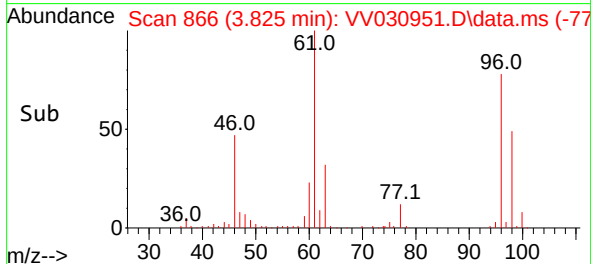
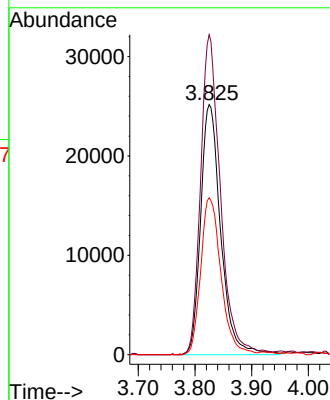
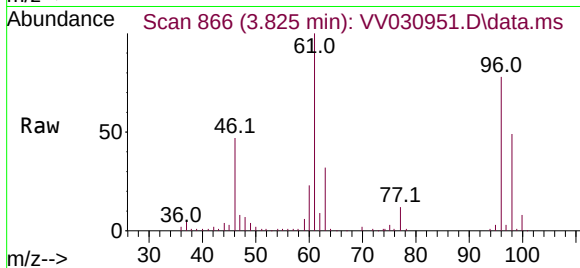


#22
 cis-1,2-Dichloroethene
 Concen: 7.578 ug/L
 RT: 3.825 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VV030951.D
 Acq: 01 May 2023 13:27

Instrument :
 MSVOA_V
 ClientSampleId :
 BHE66

Tgt Ion: 96 Resp: 61848

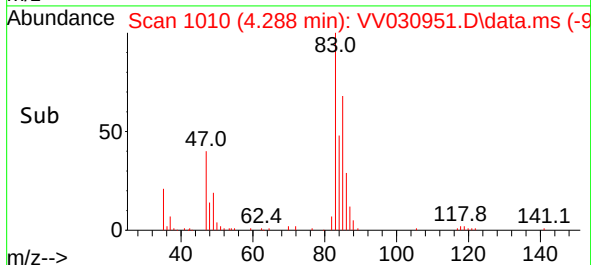
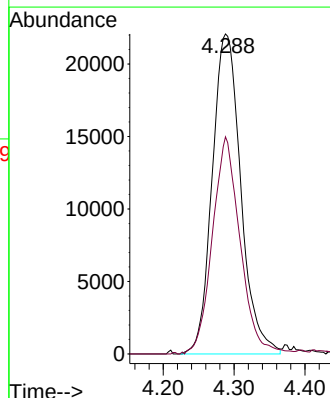
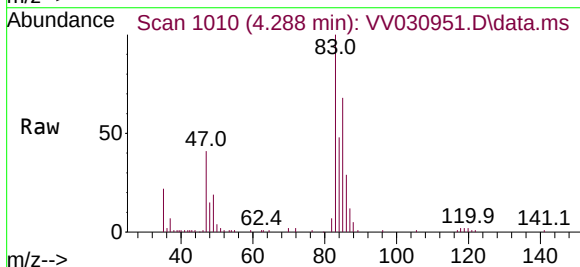
Ion	Ratio	Lower	Upper
96	100		
61	127.9	86.0	159.6
98	62.7	43.2	80.2

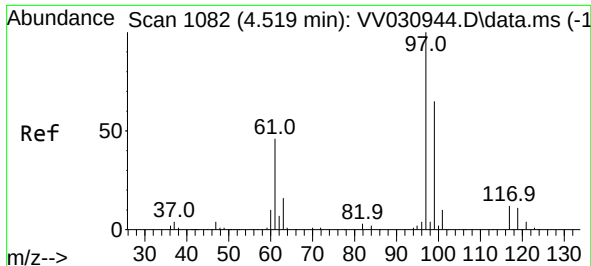


#25
 Chloroform
 Concen: 3.860 ug/L
 RT: 4.288 min Scan# 1010
 Delta R.T. -0.000 min
 Lab File: VV030951.D
 Acq: 01 May 2023 13:27

Tgt Ion: 83 Resp: 61853

Ion	Ratio	Lower	Upper
83	100		
85	67.8	46.4	86.2





#29

1,1,1-Trichloroethane

Concen: 1.743 ug/L

RT: 4.526 min Scan# 1084

Delta R.T. 0.003 min

Lab File: VV030951.D

Acq: 01 May 2023 13:27

Instrument :

MSVOA_V

ClientSampleId :

BHE66

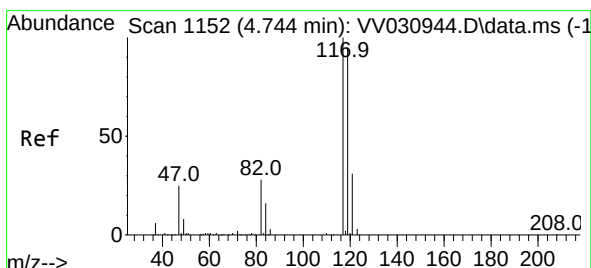
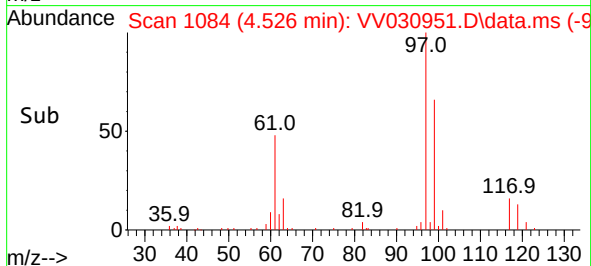
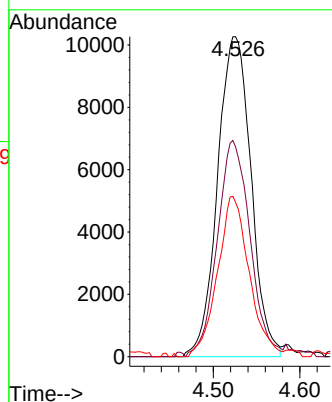
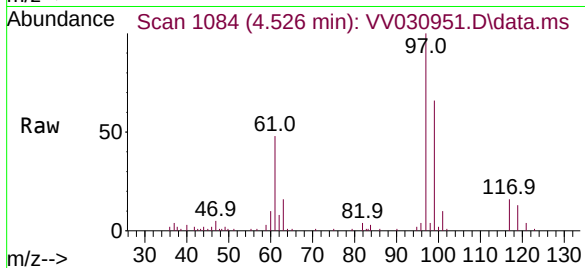
Tgt Ion: 97 Resp: 27583

Ion Ratio Lower Upper

97 100

99 66.1 51.4 77.2

61 47.5 37.4 56.0



#31

Carbon tetrachloride

Concen: 1.359 ug/L

RT: 4.748 min Scan# 1153

Delta R.T. 0.003 min

Lab File: VV030951.D

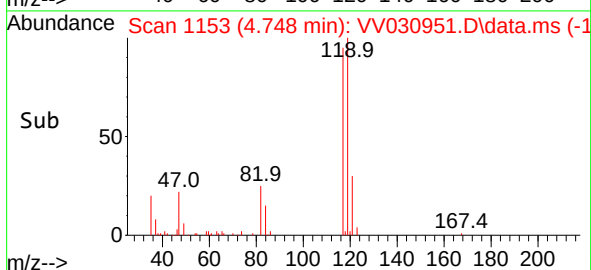
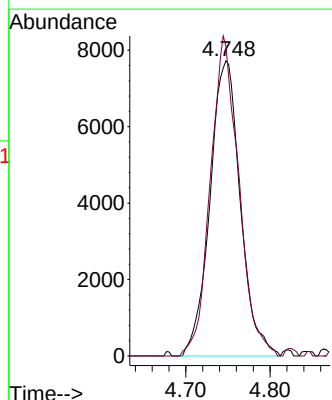
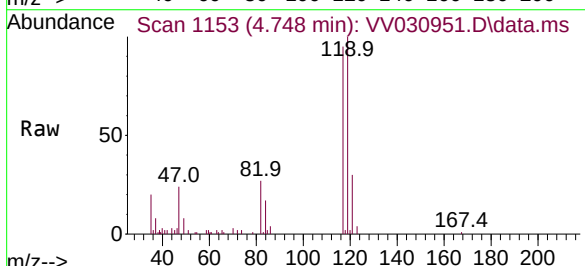
Acq: 01 May 2023 13:27

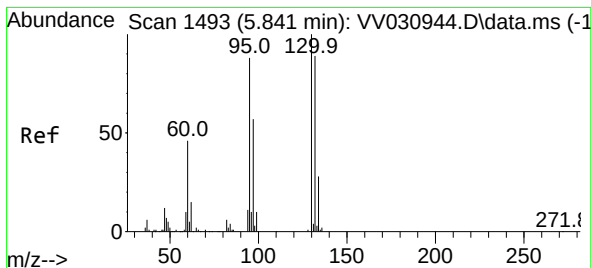
Tgt Ion: 117 Resp: 19310

Ion Ratio Lower Upper

117 100

119 101.5 78.4 117.6





#34

Trichloroethene

Concen: 57.437 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. -0.003 min

Lab File: VV030951.D

Acq: 01 May 2023 13:27

Instrument :

MSVOA_V

ClientSampleId :

BHE66

Tgt Ion: 95 Resp: 484892

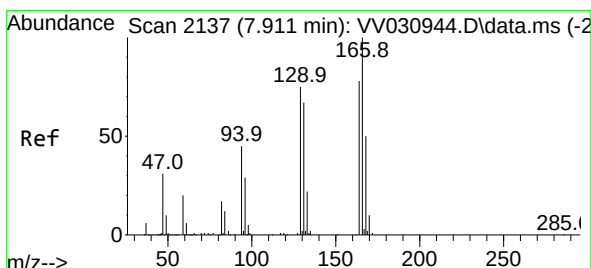
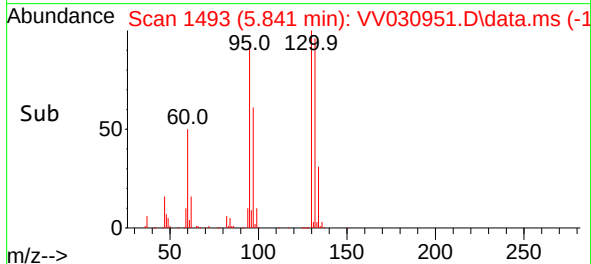
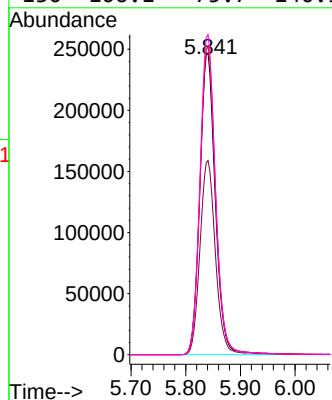
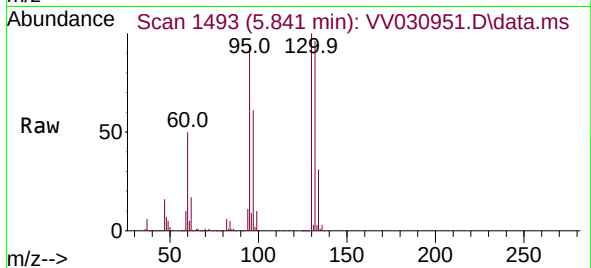
Ion Ratio Lower Upper

95 100

97 64.4 46.2 85.8

132 102.3 72.7 135.1

130 106.1 75.7 140.5



#47

Tetrachloroethene

Concen: 24.010 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VV030951.D

Acq: 01 May 2023 13:27

Tgt Ion:164 Resp: 193373

Ion Ratio Lower Upper

164 100

129 86.7 60.5 112.3

131 82.7 60.8 112.8

166 126.5 85.9 159.5

