

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061622\
 Data File : VU049227.D
 Acq On : 17 Jun 2022 00:19
 Operator : SY/MD
 Sample : N3320-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGJ84

Quant Time: Jun 17 02:35:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 17 02:27:54 2022
 Response via : Initial Calibration

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

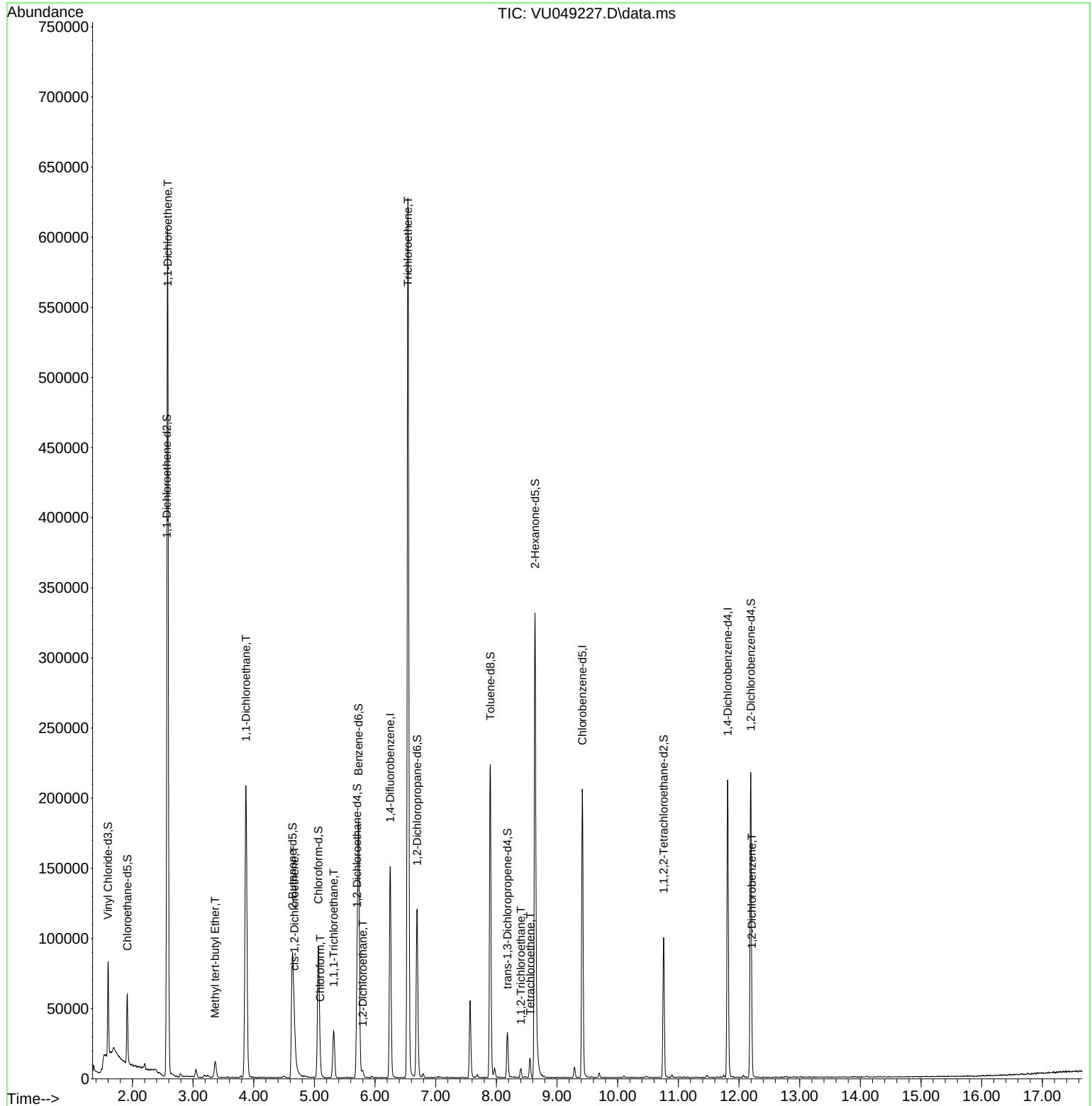
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	118265	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	109164	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	54498	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	41750	4.040	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	80.800%	
7) Chloroethane-d5	1.915	69	33755	4.825	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	96.400%	
11) 1,1-Dichloroethene-d2	2.568	65	17636	4.243	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	84.800%	
20) 2-Butanone-d5	4.639	46	169492	61.428	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	122.860%	
24) Chloroform-d	5.063	84	82804	5.107	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	102.200%	
26) 1,2-Dichloroethane-d4	5.703	65	48100	5.408	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	108.200%	
32) Benzene-d6	5.729	84	165926	5.045	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.000%	
36) 1,2-Dichloropropane-d6	6.693	67	58713	5.260	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	105.200%	
41) Toluene-d8	7.899	98	142680	4.818	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.400%	
43) trans-1,3-Dichloroprop...	8.182	79	18969	3.825	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	76.600%	
46) 2-Hexanone-d5	8.635	63	117963	58.973	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	117.940%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	49902	5.584	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	111.600%	
66) 1,2-Dichlorobenzene-d4	12.195	152	56184	5.373	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	107.400%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.581	96	182258	27.407	ug/L #	76
17) Methyl tert-butyl Ether	3.362	73	10978	0.546	ug/L #	95
19) 1,1-Dichloroethane	3.870	63	243178	16.739	ug/L	97
22) cis-1,2-Dichloroethene	4.671	96	5647	0.685	ug/L	79
25) Chloroform	5.095	83	8783	0.602	ug/L	98
27) 1,2-Dichloroethane	5.796	62	3638	0.379	ug/L #	92
29) 1,1,1-Trichloroethane	5.317	97	24051	1.844	ug/L	98
34) Trichloroethene	6.542	95	215130	25.909	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	2239	0.360	ug/L	86
47) Tetrachloroethene	8.558	164	2899	0.506	ug/L	92
67) 1,2-Dichlorobenzene	12.211	146	1143	0.076	ug/L #	69

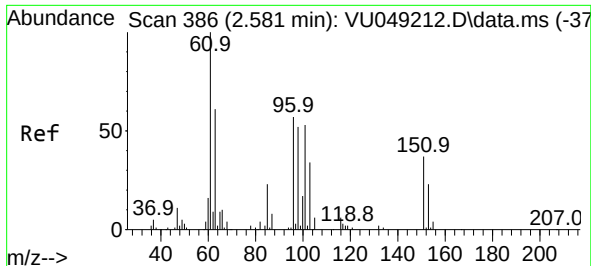
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061622\
Data File : VU049227.D
Acq On : 17 Jun 2022 00:19
Operator : SY/MD
Sample : N3320-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGJ84

Quant Time: Jun 17 02:35:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jun 17 02:27:54 2022
Response via : Initial Calibration

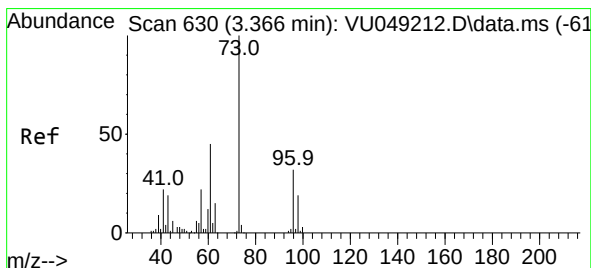
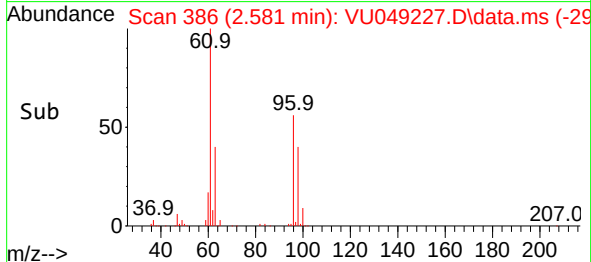
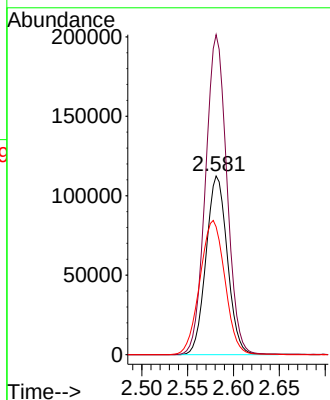
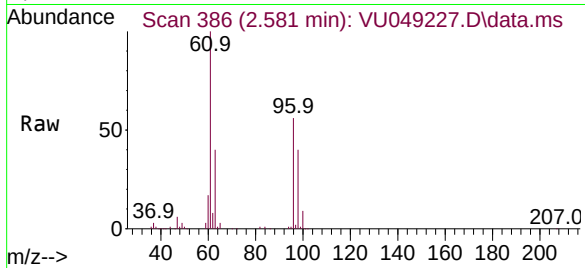




#12
1,1-Dichloroethene
Concen: 27.407 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.000 min
Lab File: VU049227.D
Acq: 17 Jun 2022 00:19

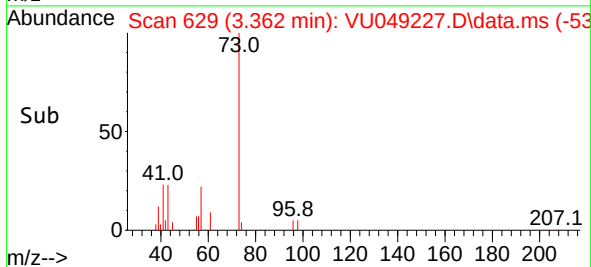
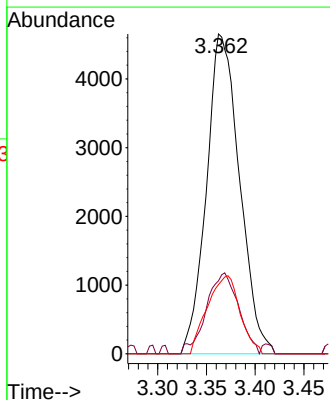
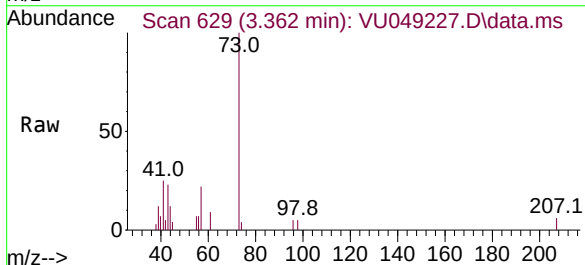
Instrument :
MSVOA_U
ClientSampleId :
BGJ84

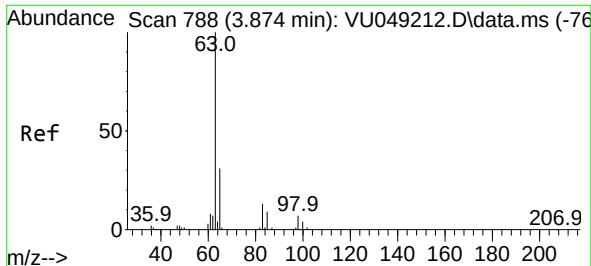
Tgt Ion: 96 Resp: 182258
Ion Ratio Lower Upper
96 100
61 179.2 127.2 236.2
63 71.5 94.7 175.9#



#17
Methyl tert-butyl Ether
Concen: 0.546 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.003 min
Lab File: VU049227.D
Acq: 17 Jun 2022 00:19

Tgt Ion: 73 Resp: 10978
Ion Ratio Lower Upper
73 100
43 24.7 16.5 24.7#
57 24.1 18.6 27.8





#19

1,1-Dichloroethane

Concen: 16.739 ug/L

RT: 3.870 min Scan# 788

Delta R.T. -0.003 min

Lab File: VU049227.D

Acq: 17 Jun 2022 00:19

Instrument :

MSVOA_U

ClientSampleId :

BGJ84

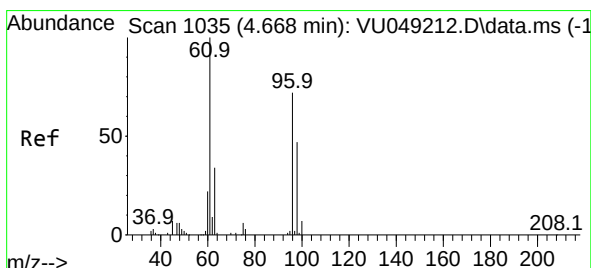
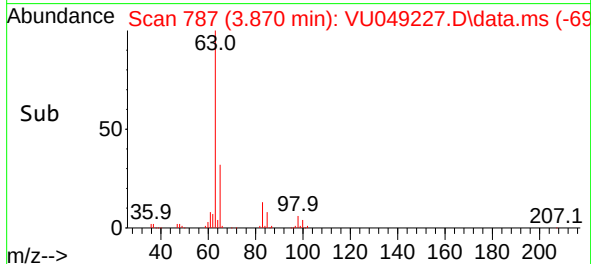
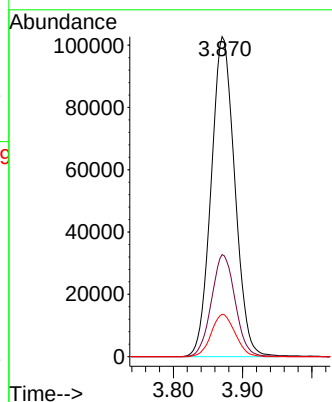
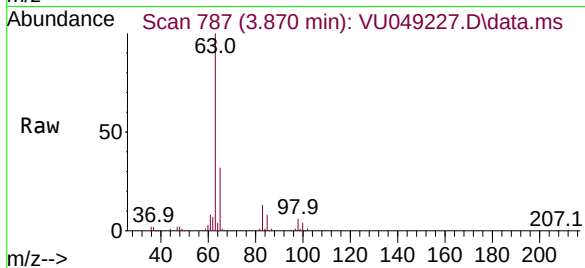
Tgt Ion: 63 Resp: 243178

Ion Ratio Lower Upper

63 100

65 31.9 24.0 44.6

83 13.2 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 0.685 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VU049227.D

Acq: 17 Jun 2022 00:19

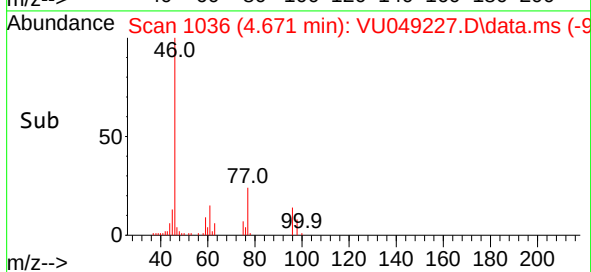
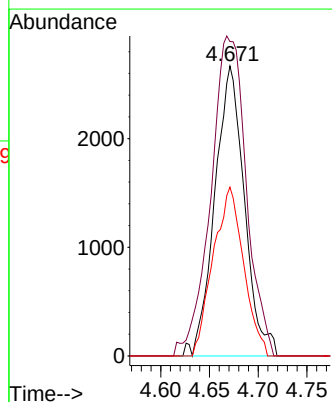
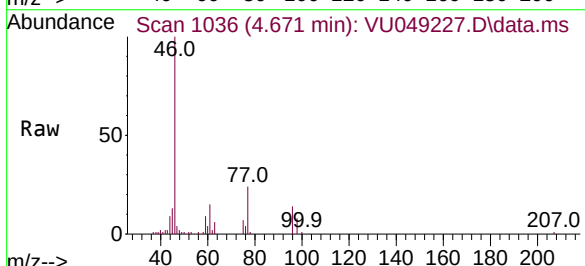
Tgt Ion: 96 Resp: 5647

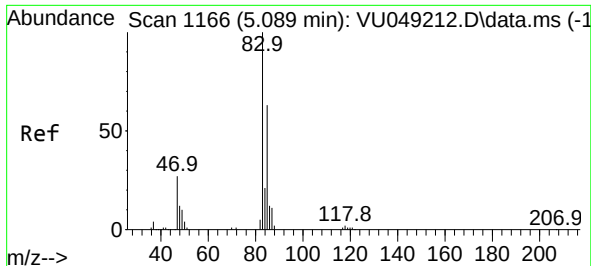
Ion Ratio Lower Upper

96 100

61 108.5 99.5 184.9

98 58.2 44.8 83.2





#25

Chloroform

Concen: 0.602 ug/L

RT: 5.095 min Scan# 1166

Delta R.T. 0.006 min

Lab File: VU049227.D

Acq: 17 Jun 2022 00:19

Instrument :

MSVOA_U

ClientSampleId :

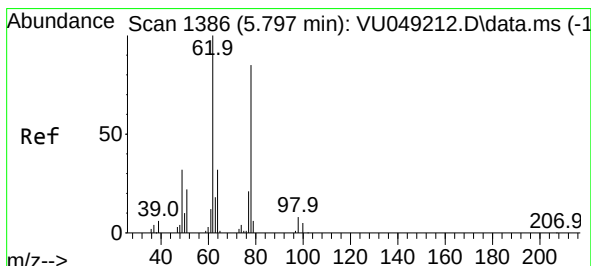
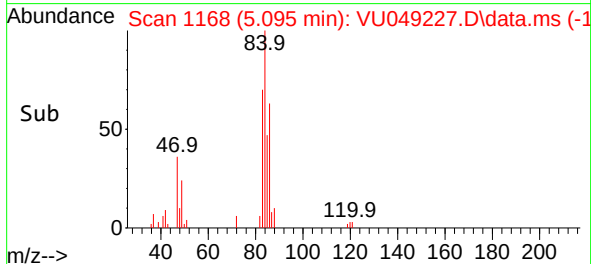
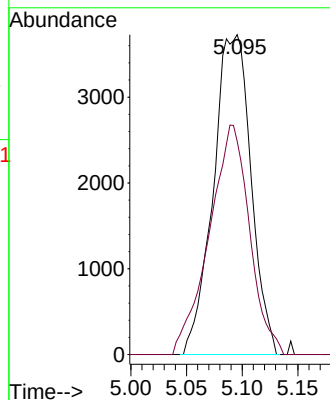
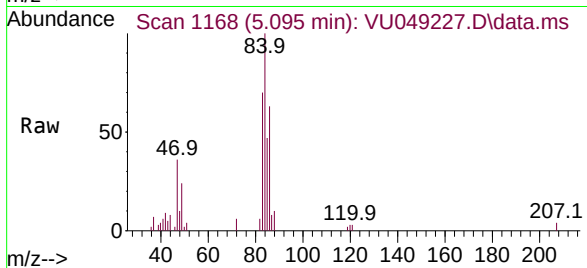
BGJ84

Tgt Ion: 83 Resp: 8783

Ion Ratio Lower Upper

83 100

85 66.7 45.8 85.2



#27

1,2-Dichloroethane

Concen: 0.379 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU049227.D

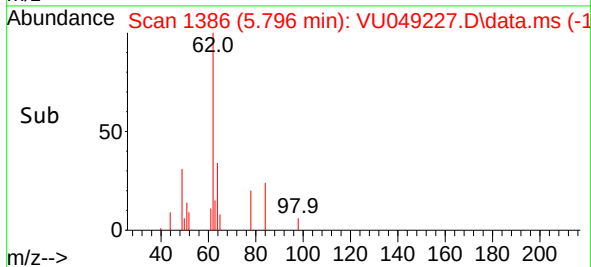
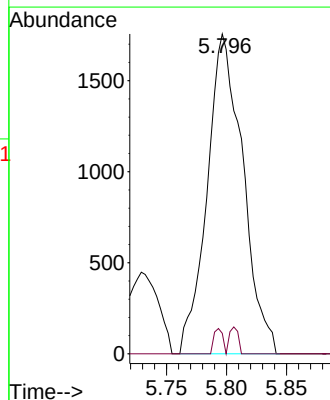
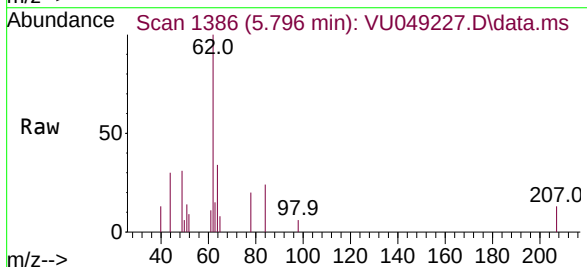
Acq: 17 Jun 2022 00:19

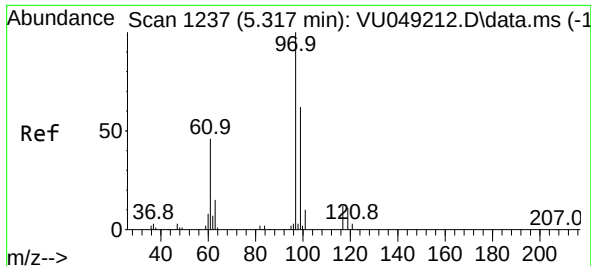
Tgt Ion: 62 Resp: 3638

Ion Ratio Lower Upper

62 100

98 6.4 7.6 11.4#





#29

1,1,1-Trichloroethane

Concen: 1.844 ug/L

RT: 5.317 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU049227.D

Acq: 17 Jun 2022 00:19

Instrument :

MSVOA_U

ClientSampleId :

BGJ84

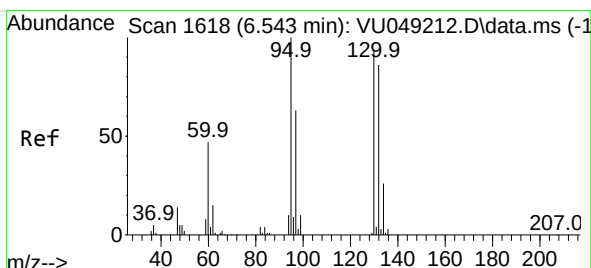
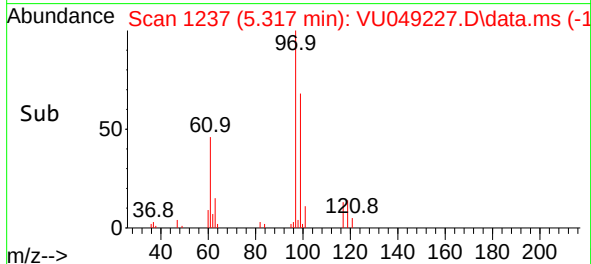
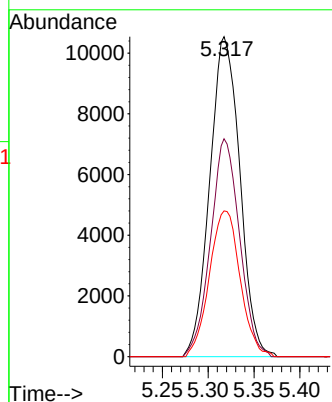
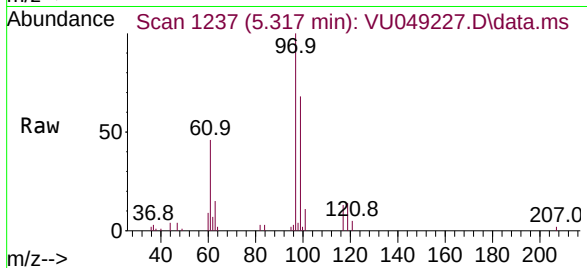
Tgt Ion: 97 Resp: 24051

Ion Ratio Lower Upper

97 100

99 65.7 51.0 76.4

61 46.5 36.2 54.4



#34

Trichloroethene

Concen: 25.909 ug/L

RT: 6.542 min Scan# 1618

Delta R.T. -0.000 min

Lab File: VU049227.D

Acq: 17 Jun 2022 00:19

Tgt Ion: 95 Resp: 215130

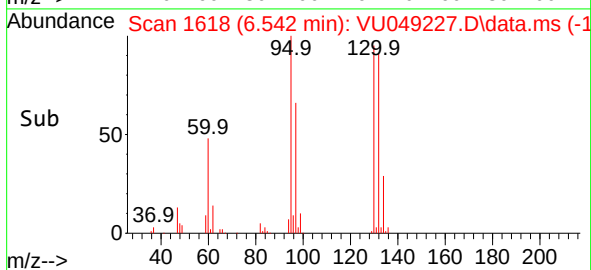
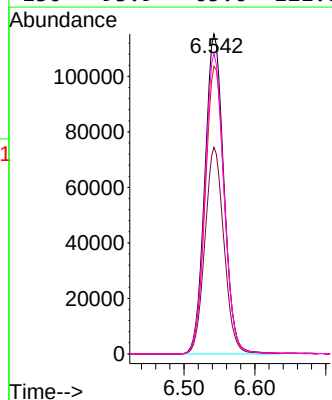
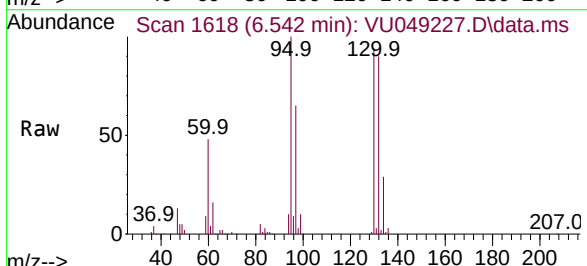
Ion Ratio Lower Upper

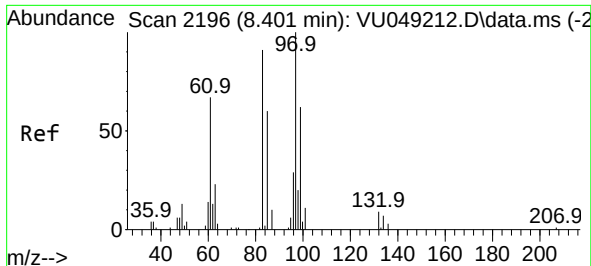
95 100

97 64.6 45.3 84.1

132 89.9 61.5 114.3

130 93.9 65.6 121.8

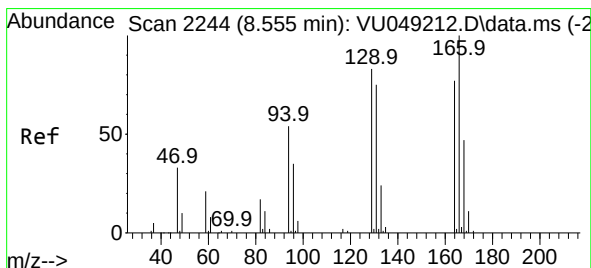
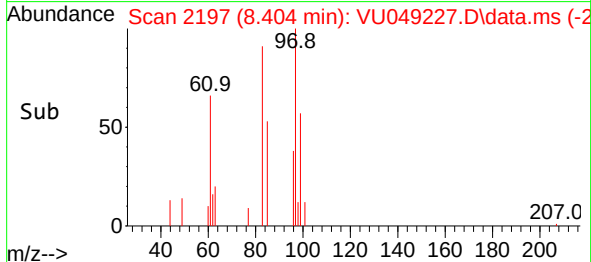
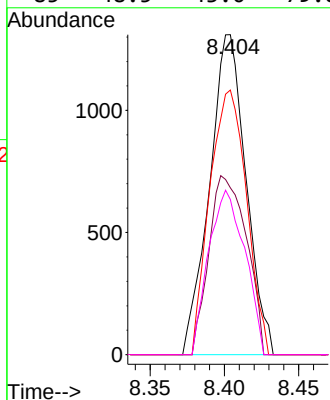
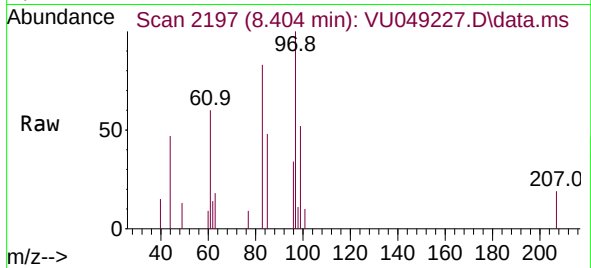




#45
1,1,2-Trichloroethane
Concen: 0.360 ug/L
RT: 8.404 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU049227.D
Acq: 17 Jun 2022 00:19

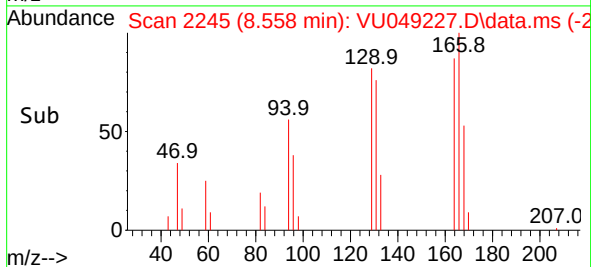
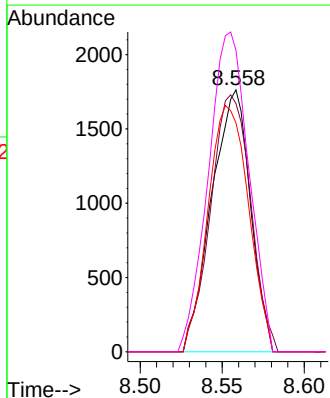
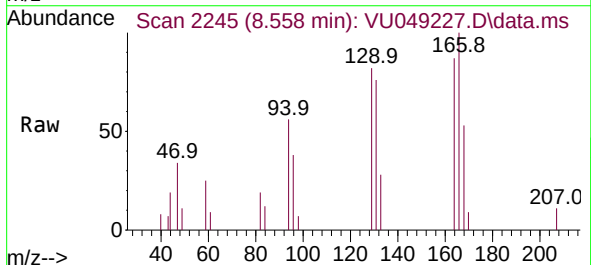
Instrument :
MSVOA_U
ClientSampleId :
BGJ84

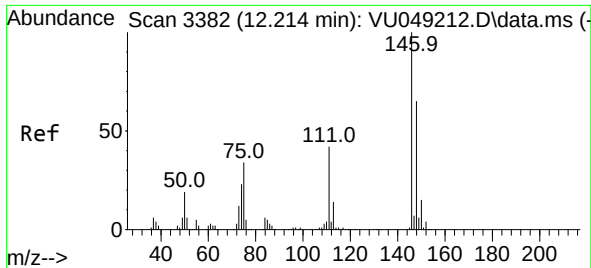
Tgt Ion: 97	Resp: 2239
Ion Ratio	Lower Upper
97 100	
99 52.1	45.6 84.8
83 82.7	65.4 121.4
85 48.5	43.0 79.8



#47
Tetrachloroethene
Concen: 0.506 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU049227.D
Acq: 17 Jun 2022 00:19

Tgt Ion:164	Resp: 2899
Ion Ratio	Lower Upper
164 100	
129 94.8	69.8 129.6
131 87.4	67.8 125.8
166 115.1	87.3 162.1





#67

1,2-Dichlorobenzene

Concen: 0.076 ug/L

RT: 12.211 min Scan# 33

Delta R.T. -0.003 min

Lab File: VU049227.D

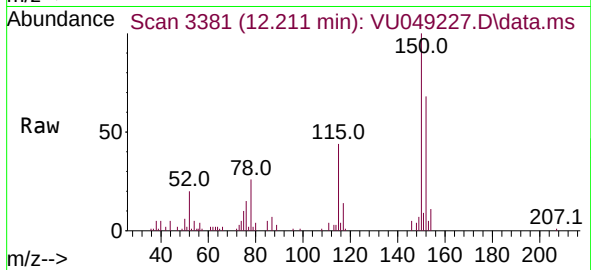
Acq: 17 Jun 2022 00:19

Instrument :

MSVOA_U

ClientSampleId :

BGJ84



Tgt Ion:146 Resp: 1143

Ion Ratio Lower Upper

146 100

111 73.9 36.6 55.0#

148 83.7 52.2 78.4#

