

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
 Data File : VU051609.D
 Acq On : 31 Oct 2022 14:12
 Operator : JC/MD
 Sample : N5319-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHA97

Quant Time: Nov 01 01:26:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 01 01:25:31 2022
 Response via : Initial Calibration

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

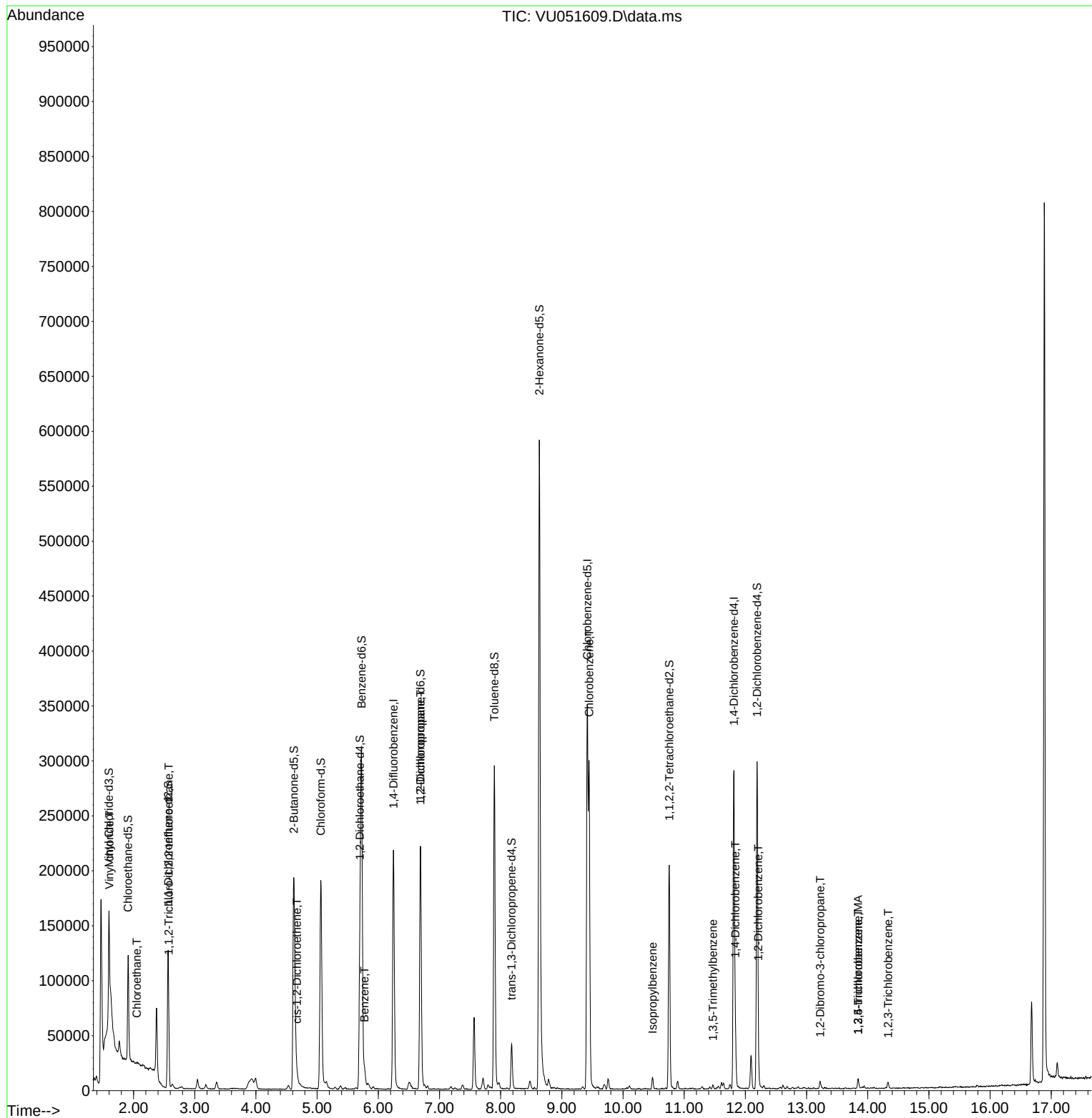
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	182779	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	197312	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	80510	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	67391	4.895	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.000%
7) Chloroethane-d5	1.909	69	74039	5.157	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.200%
11) 1,1-Dichloroethene-d2	2.565	65	23885	4.781	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.600%
20) 2-Butanone-d5	4.620	46	279259	56.015	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.020%
24) Chloroform-d	5.060	84	170575	5.295	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.000%
26) 1,2-Dichloroethane-d4	5.700	65	92863	5.336	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.800%
32) Benzene-d6	5.726	84	300581	4.827	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	6.690	67	111727	5.131	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.600%
41) Toluene-d8	7.896	98	204162	4.170	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
43) trans-1,3-Dichloroprop...	8.179	79	24266	3.645	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.800%
46) 2-Hexanone-d5	8.632	63	192522	48.039	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.080%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	106632	5.344	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	82475	5.581	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	3842	0.159	ug/L #	1
8) Chloroethane	2.054	64	2549	0.174	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1138	0.073	ug/L #	36
22) cis-1,2-Dichloroethene	4.671	96	1446	0.077	ug/L #	88
33) Benzene	5.774	78	16097	0.207	ug/L	100
37) 1,2-Dichloropropane	6.687	63	11391	0.569	ug/L #	92
51) Chlorobenzene	9.446	112	161654	3.212	ug/L	99
60) Isopropylbenzene	10.484	105	6546	0.111	ug/L #	83
62) 1,3,5-Trimethylbenzene	11.471	105	1810	0.114	ug/L	92
65) 1,4-Dichlorobenzene	11.835	146	19811	0.675	ug/L	94
67) 1,2-Dichlorobenzene	12.211	146	3908	0.137	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.224	75	359	0.167	ug/L #	3
69) 1,3,5-Trichlorobenzene	13.841	180	3586	0.172	ug/L	93
70) 1,2,4-trichlorobenzene	13.841	180	3586	0.224	ug/L	93
72) 1,2,3-Trichlorobenzene	14.333	180	2035	0.126	ug/L #	82

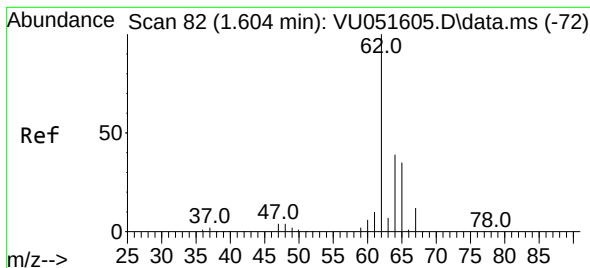
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 01 01:25:31 2022
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#5

Vinyl chloride

Concen: 0.159 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU051609.D

Acq: 31 Oct 2022 14:12

Instrument :

MSVOA_U

ClientSampleId :

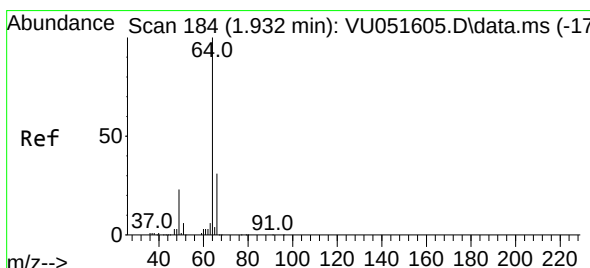
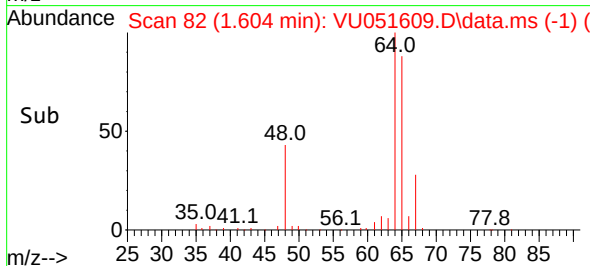
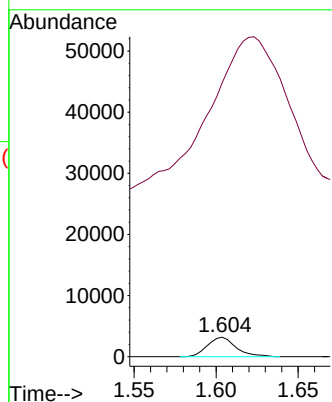
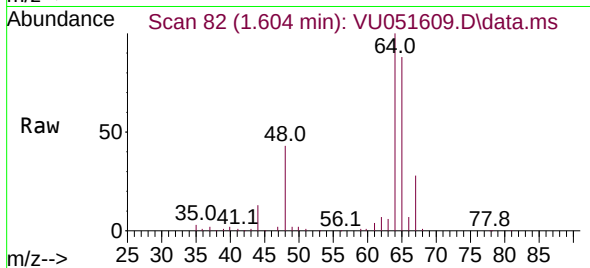
BHA97

Tgt Ion: 62 Resp: 3842

Ion Ratio Lower Upper

62 100

64 1400.4 22.1 41.1#



#8

Chloroethane

Concen: 0.174 ug/L

RT: 2.054 min Scan# 222

Delta R.T. 0.122 min

Lab File: VU051609.D

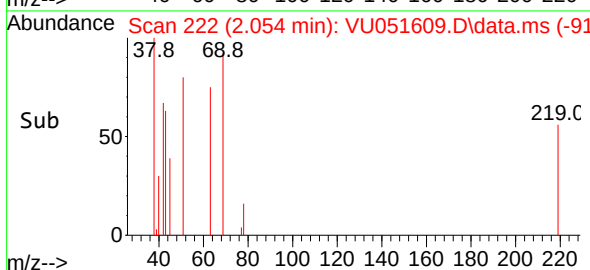
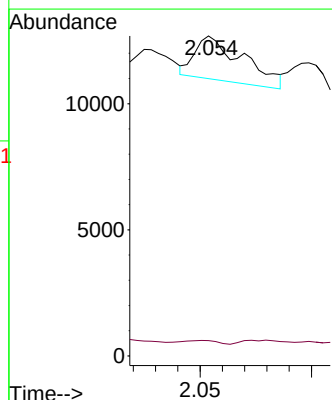
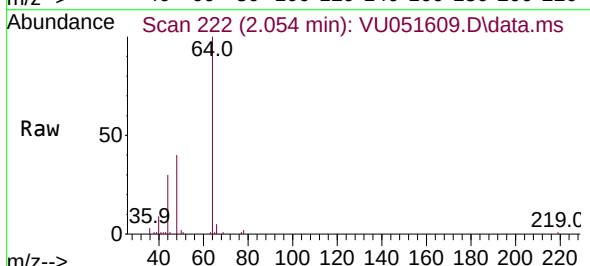
Acq: 31 Oct 2022 14:12

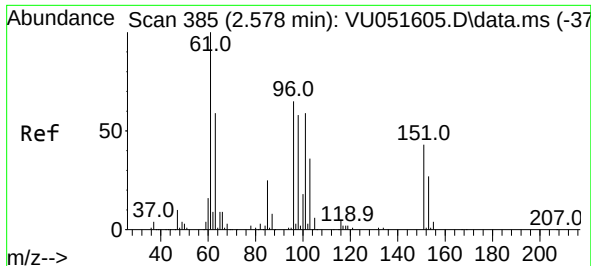
Tgt Ion: 64 Resp: 2549

Ion Ratio Lower Upper

64 100

66 4.8 22.3 41.5#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.073 ug/L

RT: 2.575 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU051609.D

Acq: 31 Oct 2022 14:12

Instrument :

MSVOA_U

ClientSampleId :

BHA97

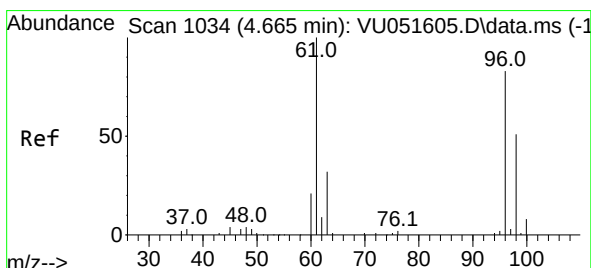
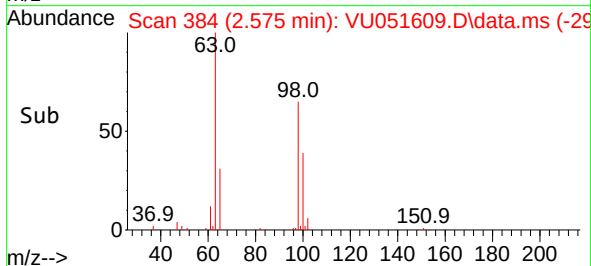
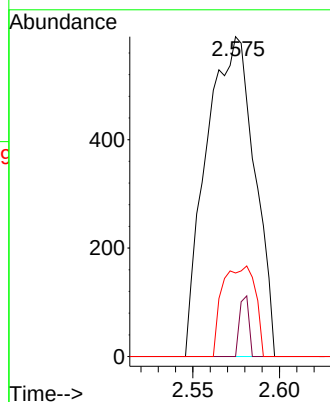
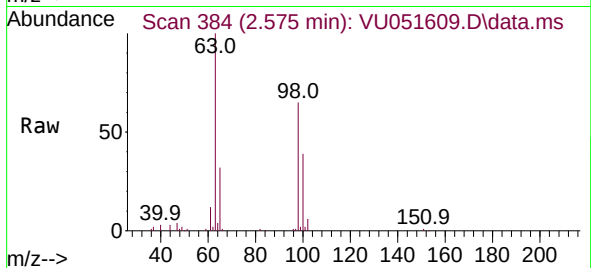
Tgt Ion:101 Resp: 1138

Ion Ratio Lower Upper

101 100

85 3.6 35.6 53.4#

151 19.2 59.6 89.4#



#22

cis-1,2-Dichloroethene

Concen: 0.077 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VU051609.D

Acq: 31 Oct 2022 14:12

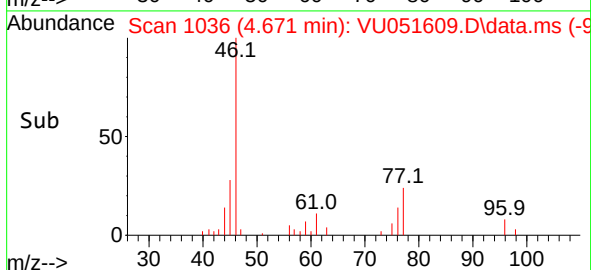
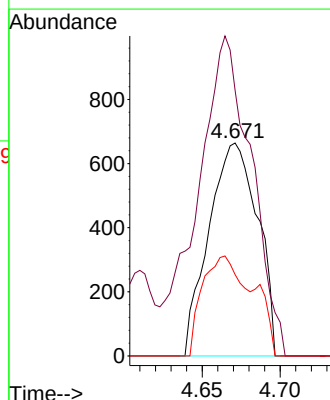
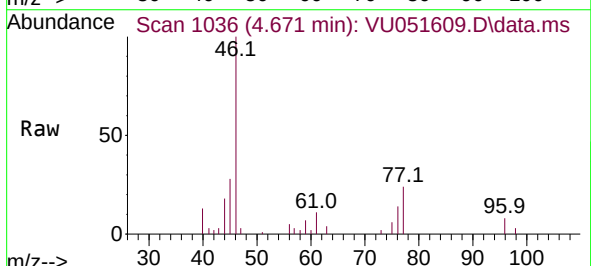
Tgt Ion: 96 Resp: 1446

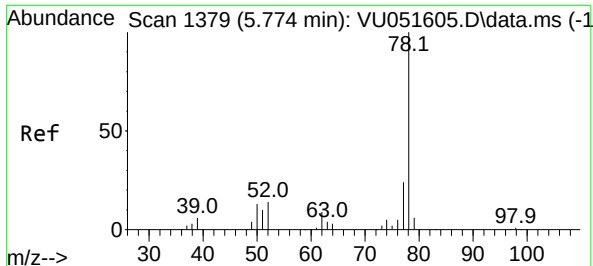
Ion Ratio Lower Upper

96 100

61 124.8 86.4 160.4

98 38.3 44.2 82.2#

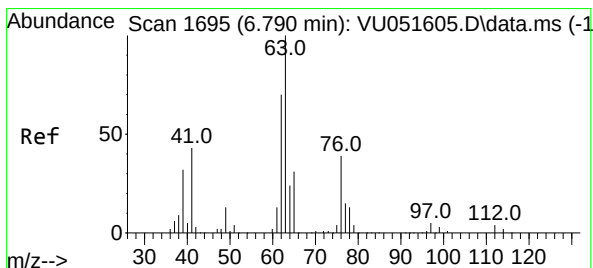
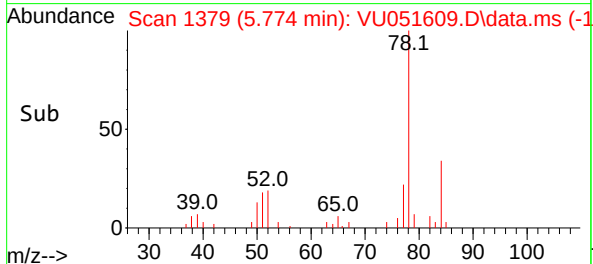
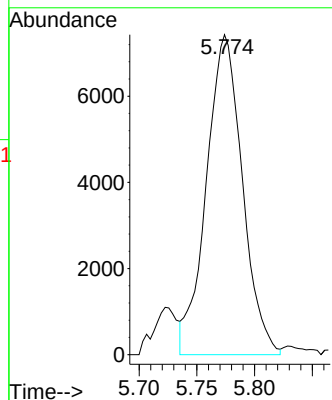
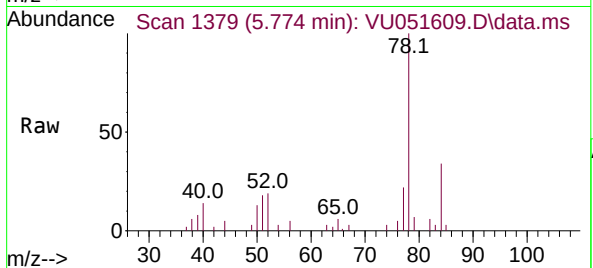




#33
Benzene
Concen: 0.207 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051609.D
Acq: 31 Oct 2022 14:12

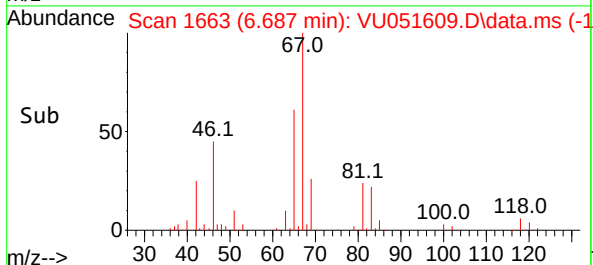
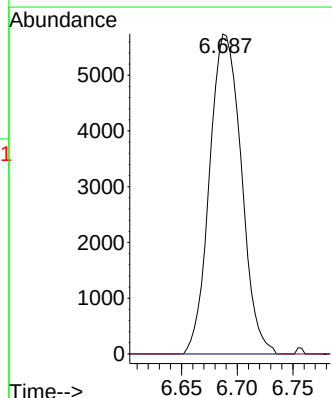
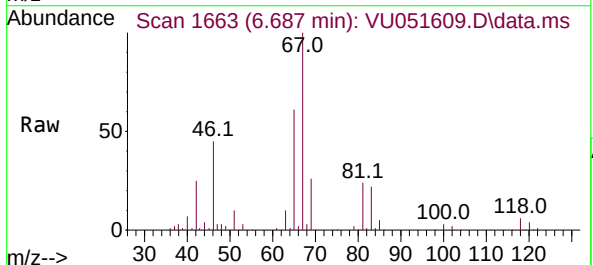
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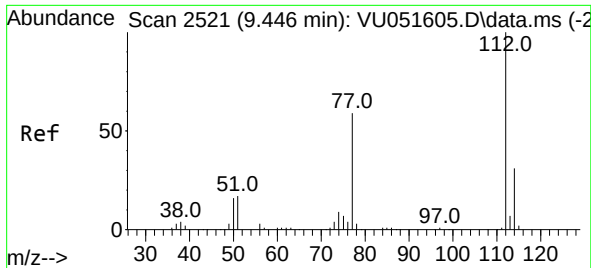
Tgt Ion: 78 Resp: 16097



#37
1,2-Dichloropropane
Concen: 0.569 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.103 min
Lab File: VU051609.D
Acq: 31 Oct 2022 14:12

Tgt Ion: 63 Resp: 11391
Ion Ratio Lower Upper
63 100
112 1.4 3.3 4.9#

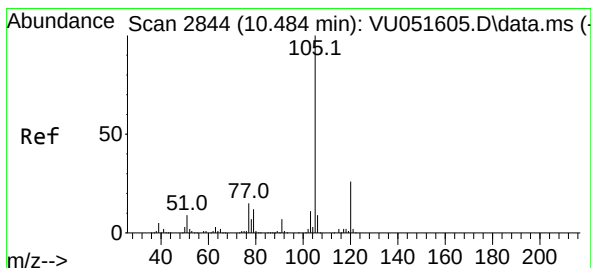
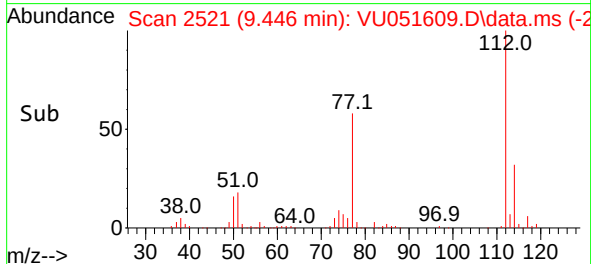
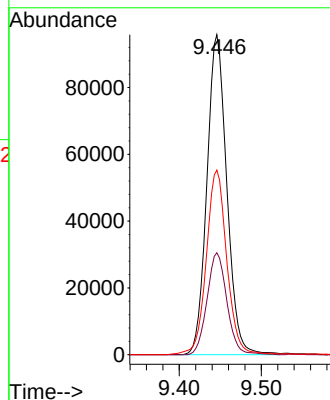
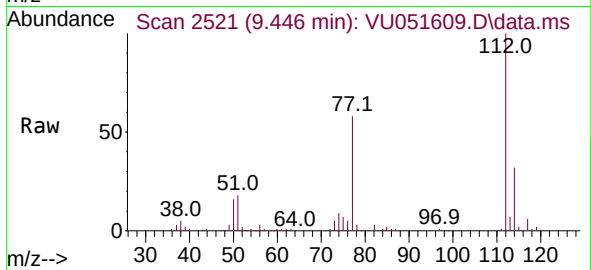




#51
Chlorobenzene
Concen: 3.212 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU051609.D
Acq: 31 Oct 2022 14:12

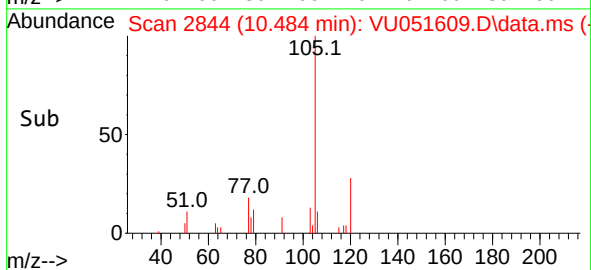
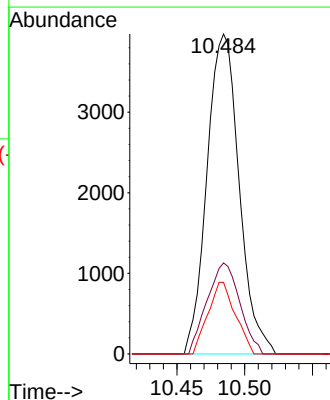
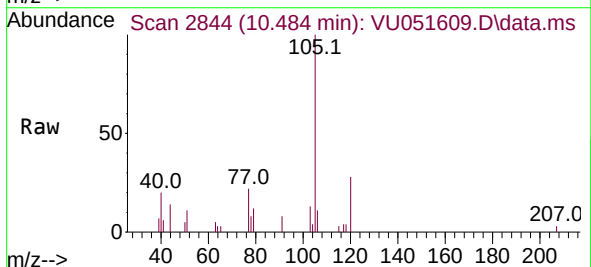
Instrument :
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ClientSampleId :
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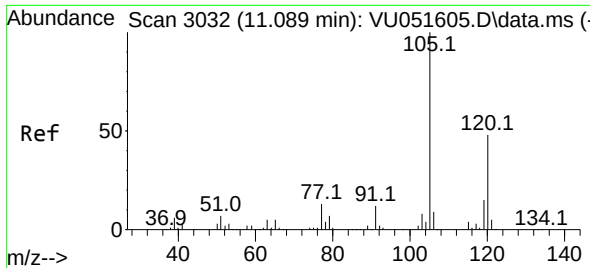
Tgt Ion:112 Resp: 161654
Ion Ratio Lower Upper
112 100
114 31.9 22.0 40.8
77 57.7 46.7 70.1



#60
Isopropylbenzene
Concen: 0.111 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU051609.D
Acq: 31 Oct 2022 14:12

Tgt Ion:105 Resp: 6546
Ion Ratio Lower Upper
105 100
120 29.0 20.9 31.3
77 0.0 12.3 18.5#

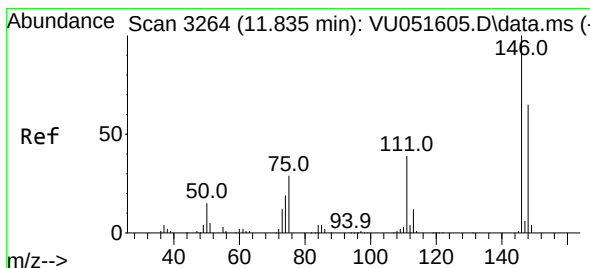
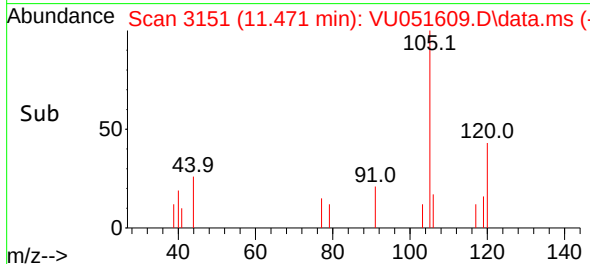
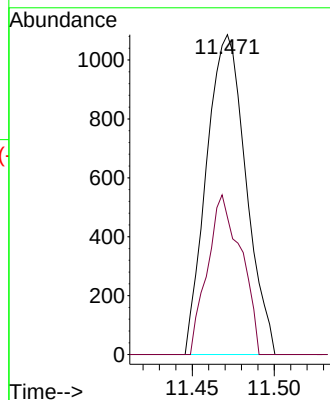
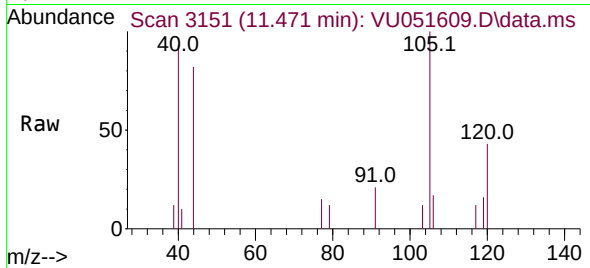




#62
1,3,5-Trimethylbenzene
Concen: 0.114 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. 0.383 min
Lab File: VU051609.D
Acq: 31 Oct 2022 14:12

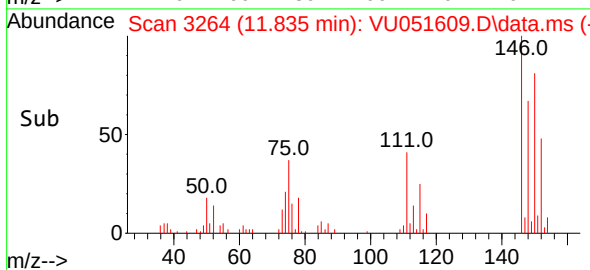
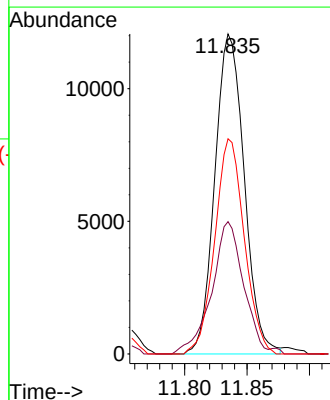
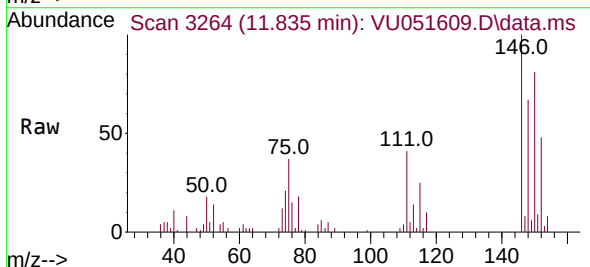
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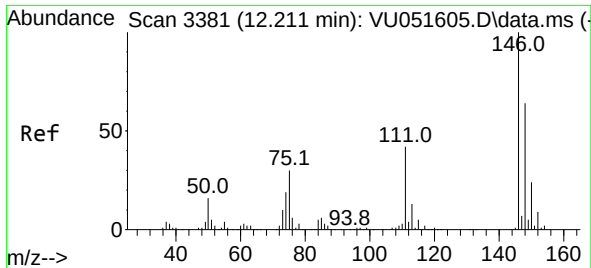
Tgt Ion:105 Resp: 1810
Ion Ratio Lower Upper
105 100
120 42.6 38.6 57.8



#65
1,4-Dichlorobenzene
Concen: 0.675 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051609.D
Acq: 31 Oct 2022 14:12

Tgt Ion:146 Resp: 19811
Ion Ratio Lower Upper
146 100
111 41.4 26.7 49.5
148 67.2 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 0.137 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU051609.D

Acq: 31 Oct 2022 14:12

Instrument :

MSVOA_U

ClientSampleId :

BHA97

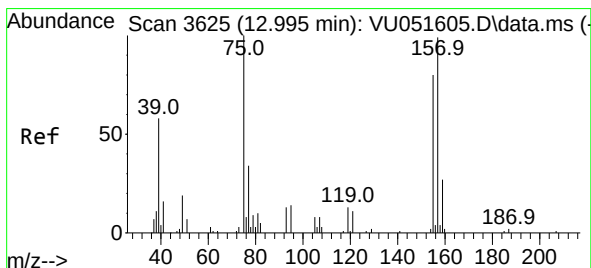
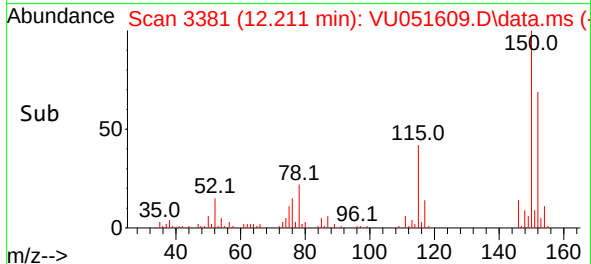
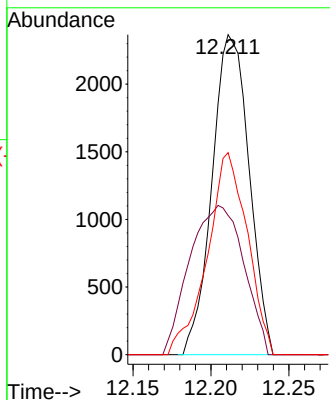
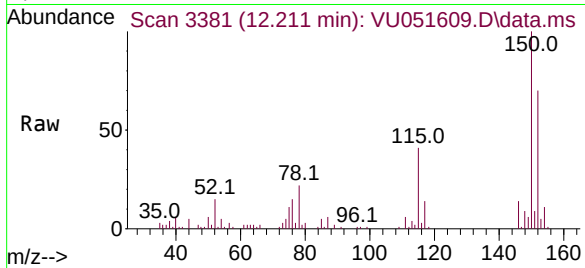
Tgt Ion:146 Resp: 3908

Ion Ratio Lower Upper

146 100

111 43.5 34.2 51.2

148 63.1 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 0.167 ug/L

RT: 13.224 min Scan# 3696

Delta R.T. 0.228 min

Lab File: VU051609.D

Acq: 31 Oct 2022 14:12

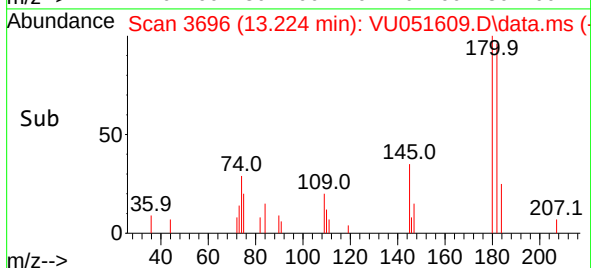
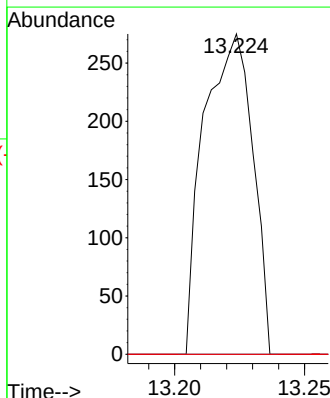
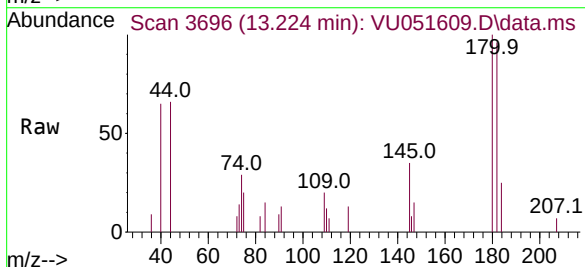
Tgt Ion: 75 Resp: 359

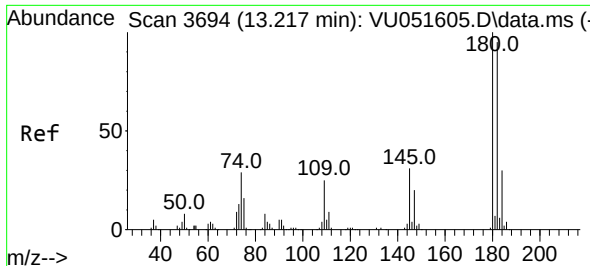
Ion Ratio Lower Upper

75 100

155 0.0 61.4 92.2#

157 0.0 86.7 130.1#

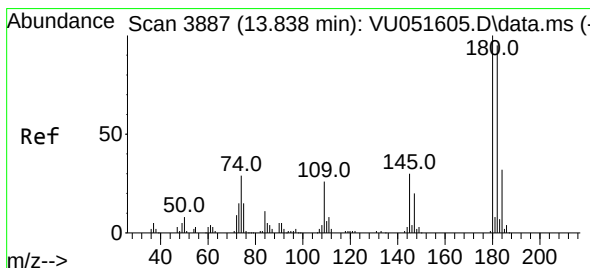
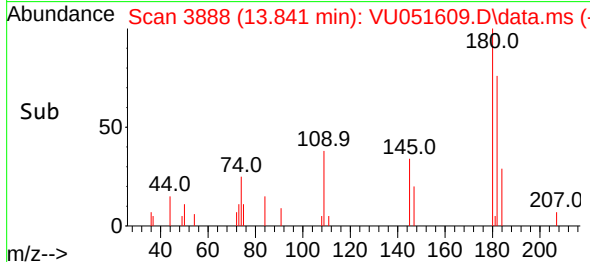
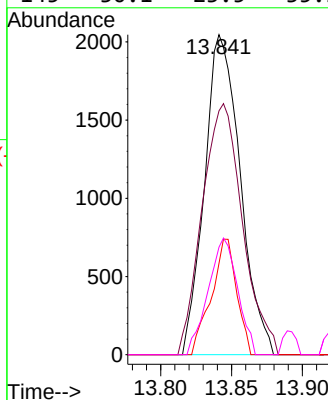
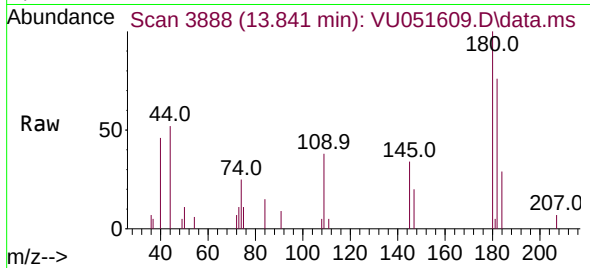




#69
1,3,5-Trichlorobenzene
Concen: 0.172 ug/L
RT: 13.841 min Scan# 31
Delta R.T. 0.624 min
Lab File: VU051609.D
Acq: 31 Oct 2022 14:12

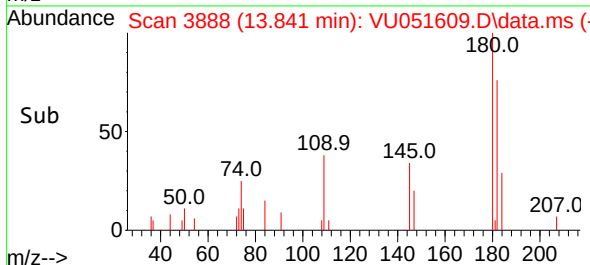
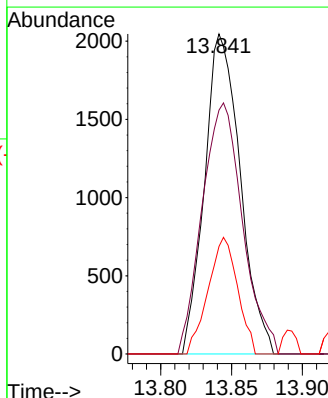
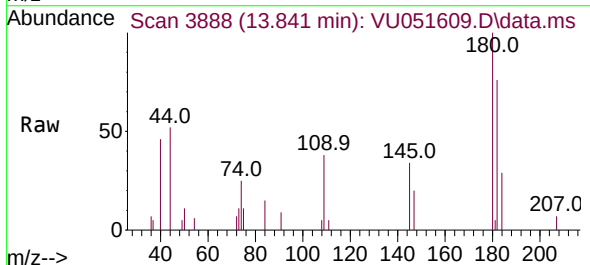
Instrument :
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ClientSampleId :
BHA97

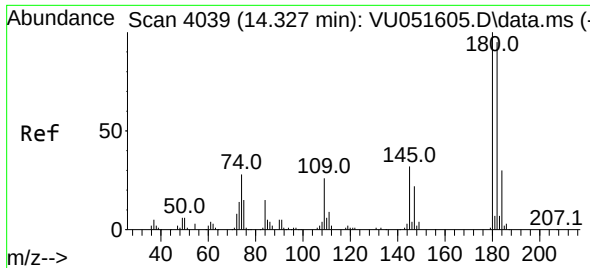
Tgt Ion:180	Resp:	3586
Ion Ratio	Lower	Upper
180	100	
182	88.5	77.0 115.6
184	25.6	23.7 35.5
145	30.1	23.5 35.3



#70
1,2,4-trichlorobenzene
Concen: 0.224 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU051609.D
Acq: 31 Oct 2022 14:12

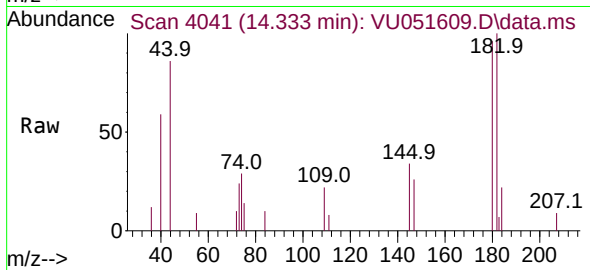
Tgt Ion:180	Resp:	3586
Ion Ratio	Lower	Upper
180	100	
182	88.5	77.8 116.6
145	30.1	25.0 37.6





#72
 1,2,3-Trichlorobenzene
 Concen: 0.126 ug/L
 RT: 14.333 min Scan# 4041
 Delta R.T. 0.006 min
 Lab File: VU051609.D
 Acq: 31 Oct 2022 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 BHA97



Tgt Ion:	180	Resp:	2035
Ion Ratio	Lower	Upper	
180	100		
182	108.6	76.1	114.1
145	48.9	25.6	38.4#

