

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042523\
 Data File : VU053877.D
 Acq On : 25 Apr 2023 12:27
 Operator : JC/MD
 Sample : 02392-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE35

Quant Time: Apr 26 05:10:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 26 05:09:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	131582	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	125183	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	58899	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	37162	4.637	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.800%
7) Chloroethane-d5	1.916	69	33401	4.966	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.400%
11) 1,1-Dichloroethene-d2	2.568	65	16091	4.878	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.600%
20) 2-Butanone-d5	4.633	46	77792	52.994	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.980%
24) Chloroform-d	5.060	84	76588	5.071	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
26) 1,2-Dichloroethane-d4	5.700	65	37421	5.361	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.200%
32) Benzene-d6	5.723	84	153356	5.200	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.000%
36) 1,2-Dichloropropane-d6	6.687	67	47693	5.346	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.000%
41) Toluene-d8	7.896	98	139398	5.065	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
43) trans-1,3-Dichloroprop...	8.176	79	17104	4.875	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.400%
46) 2-Hexanone-d5	8.632	63	66552	53.596	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.200%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	35960	4.988	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	12.188	152	49691	5.260	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.200%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	3348	0.357	ug/L #	81
12) 1,1-Dichloroethene	2.578	96	279876	33.816	ug/L #	81
17) Methyl tert-butyl Ether	3.366	73	5290	0.295	ug/L #	96
19) 1,1-Dichloroethane	3.867	63	283281	18.716	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	48287	5.118	ug/L	97
25) Chloroform	5.086	83	17001	1.034	ug/L	100
27) 1,2-Dichloroethane	5.800	62	3054	0.324	ug/L #	71
29) 1,1,1-Trichloroethane	5.314	97	33492	2.380	ug/L	98
31) Carbon tetrachloride	5.520	117	2026	0.166	ug/L	92
34) Trichloroethene	6.539	95	892491	92.819	ug/L	99
35) Methylcyclohexane	6.687	83	11558	0.778	ug/L #	21
37) 1,2-Dichloropropane	6.687	63	5177	0.591	ug/L #	87
45) 1,1,2-Trichloroethane	8.404	97	749	0.114	ug/L	89
47) Tetrachloroethene	8.549	164	163798	21.493	ug/L	99
48) 2-Hexanone	8.632	43	6336	2.111	ug/L #	66
49) Dibromochloromethane	8.549	129	161550	23.252	ug/L #	10
61) 1,2,3-Trichloropropane	10.819	75	832	0.183	ug/L #	86

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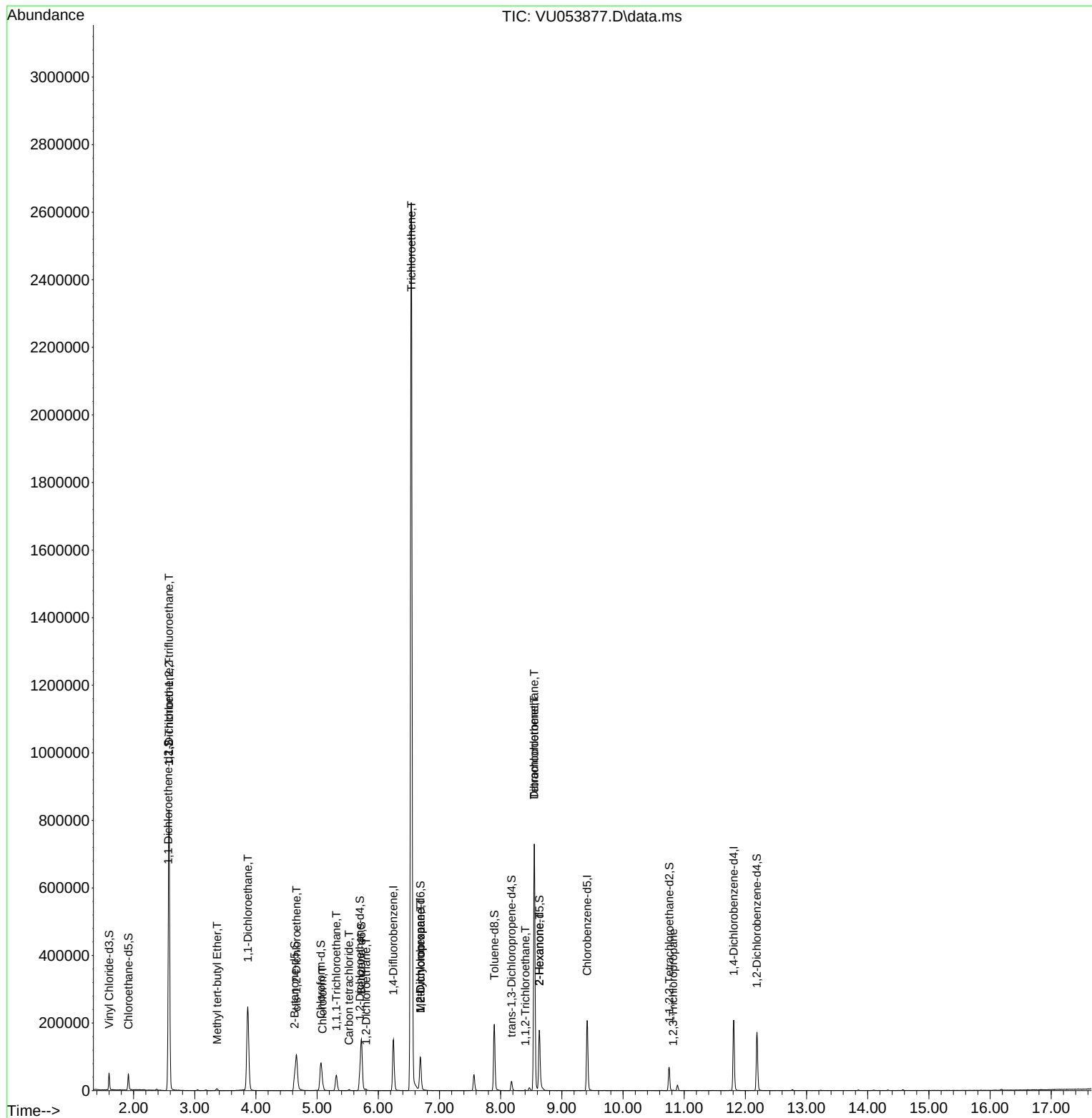
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

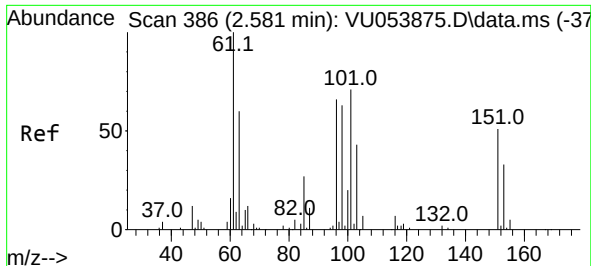
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#10

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

Concen: 0.357 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU053877.D

Acq: 25 Apr 2023 12:27

Instrument :

MSVOA_U

ClientSampleId :

BHE35

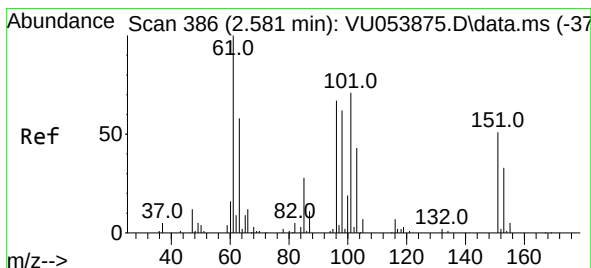
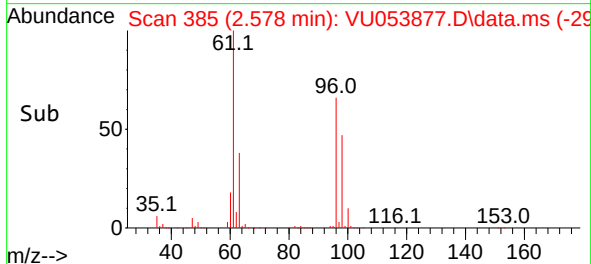
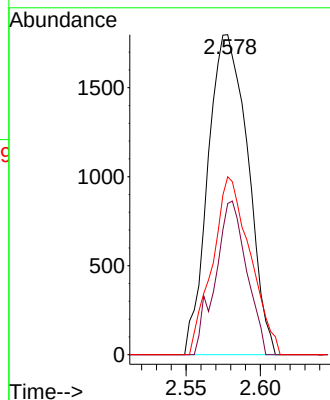
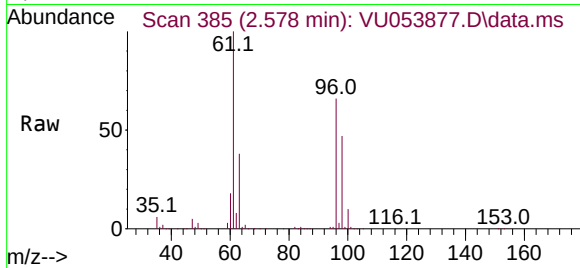
Tgt Ion:101 Resp: 3348

Ion Ratio Lower Upper

101 100

85 37.8 34.7 52.1

151 52.8 59.1 88.7#



#12

1,1-Dichloroethene

Concen: 33.816 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU053877.D

Acq: 25 Apr 2023 12:27

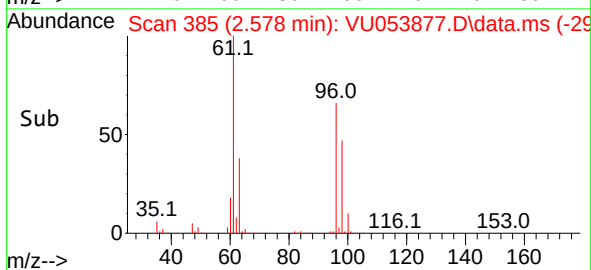
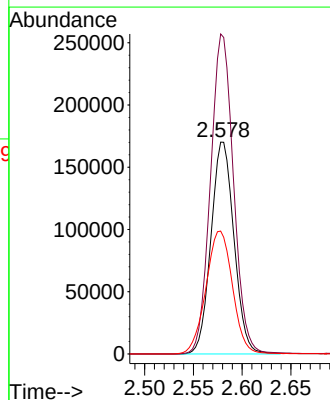
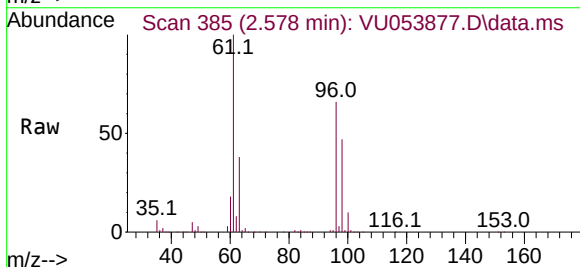
Tgt Ion: 96 Resp: 279876

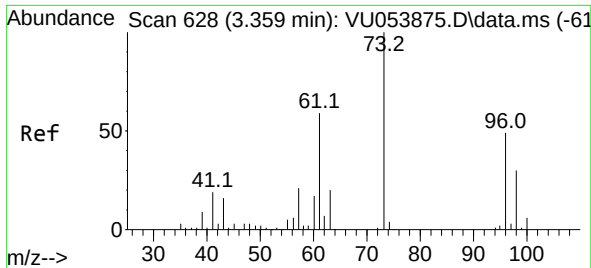
Ion Ratio Lower Upper

96 100

61 151.1 111.5 207.1

63 58.0 68.7 127.7#

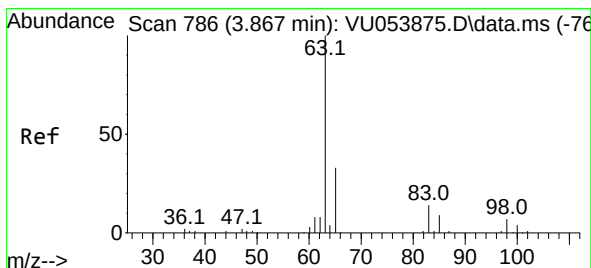
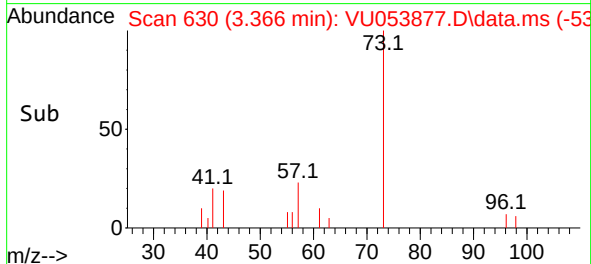
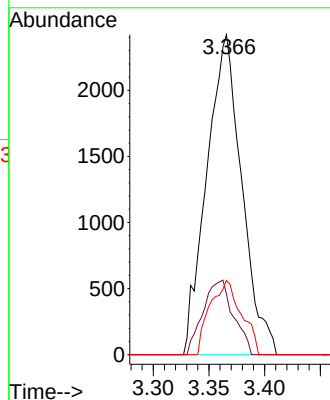
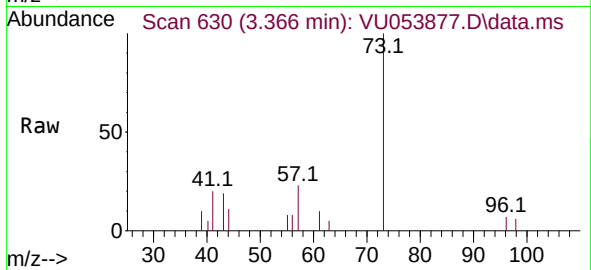




#17
Methyl tert-butyl Ether
Concen: 0.295 ug/L
RT: 3.366 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

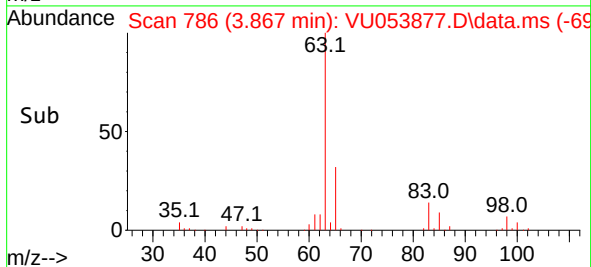
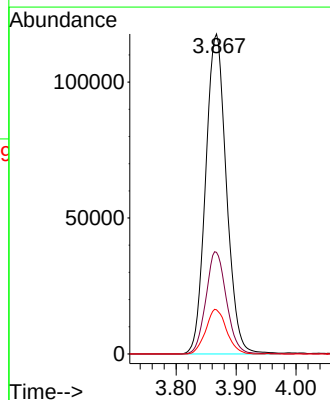
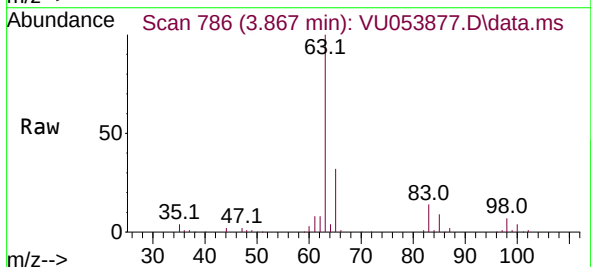
Instrument :
MSVOA_U
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BHE35

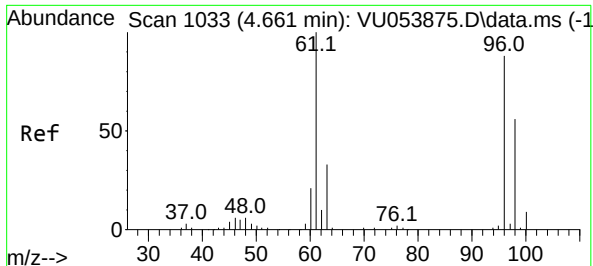
Tgt Ion: 73 Resp: 5290
Ion Ratio Lower Upper
73 100
43 20.2 13.4 20.2#
57 20.7 17.2 25.8



#19
1,1-Dichloroethane
Concen: 18.716 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Tgt Ion: 63 Resp: 283281
Ion Ratio Lower Upper
63 100
65 31.8 22.0 40.8
83 13.8 10.3 19.1





#22

cis-1,2-Dichloroethene

Concen: 5.118 ug/L

RT: 4.665 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU053877.D

Acq: 25 Apr 2023 12:27

Instrument :

MSVOA_U

ClientSampleId :

BHE35

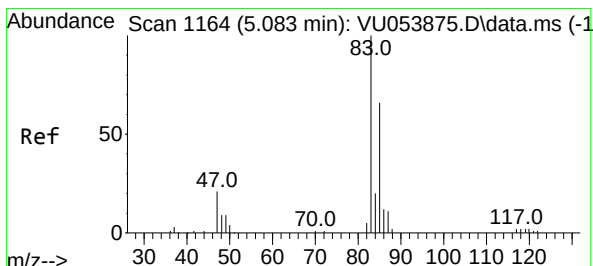
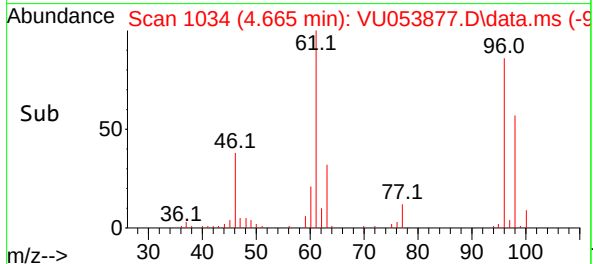
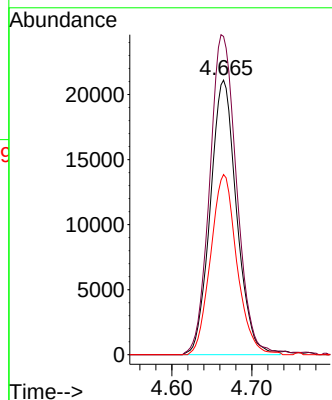
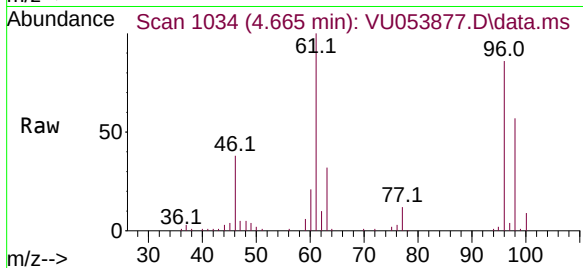
Tgt Ion: 96 Resp: 48287

Ion Ratio Lower Upper

96 100

61 115.9 84.3 156.5

98 65.6 46.4 86.2



#25

Chloroform

Concen: 1.034 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU053877.D

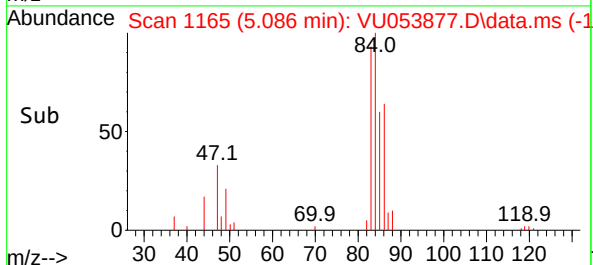
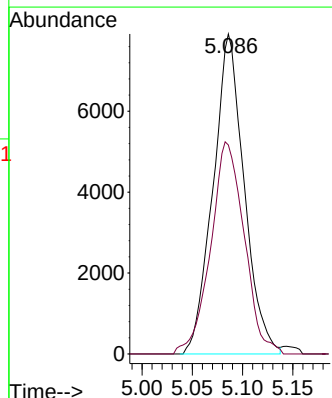
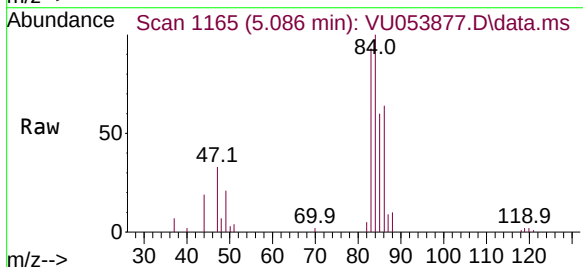
Acq: 25 Apr 2023 12:27

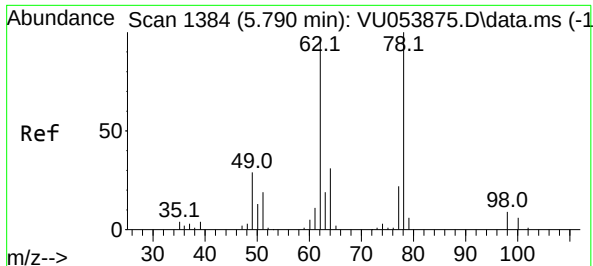
Tgt Ion: 83 Resp: 17001

Ion Ratio Lower Upper

83 100

85 65.3 45.6 84.8

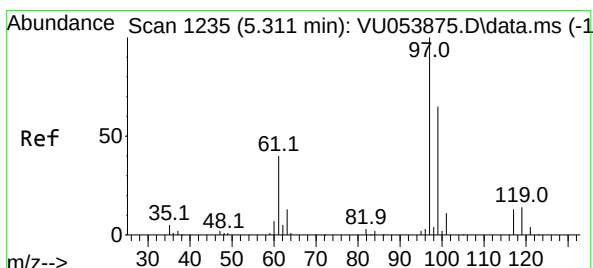
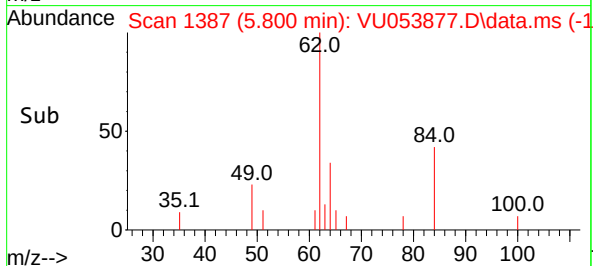
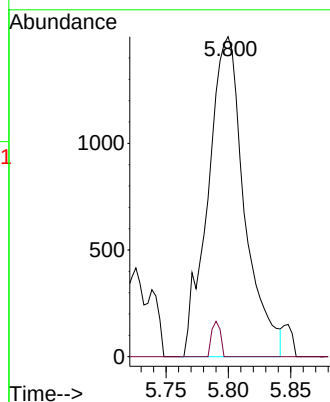
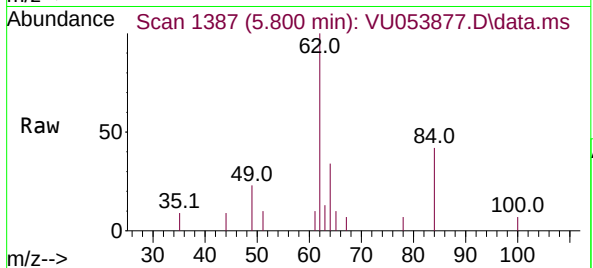




#27
1,2-Dichloroethane
Concen: 0.324 ug/L
RT: 5.800 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

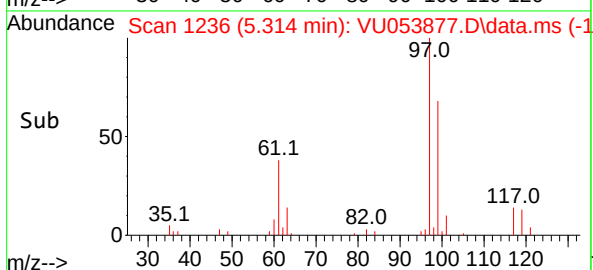
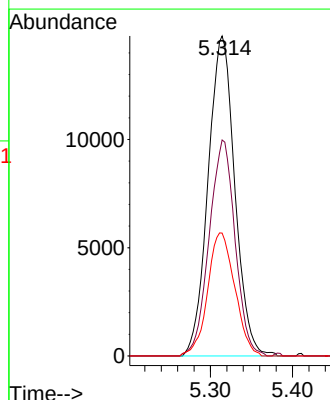
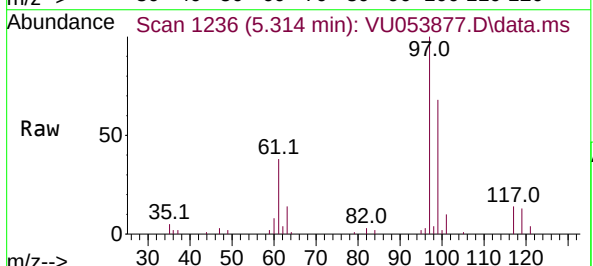
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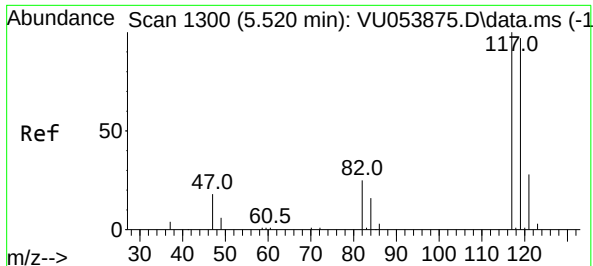
Tgt Ion: 62 Resp: 3054
Ion Ratio Lower Upper
62 100
98 0.0 8.7 13.1#



#29
1,1,1-Trichloroethane
Concen: 2.380 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Tgt Ion: 97 Resp: 33492
Ion Ratio Lower Upper
97 100
99 65.5 52.9 79.3
61 39.0 33.8 50.8

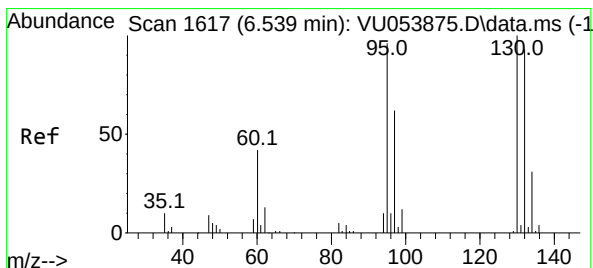
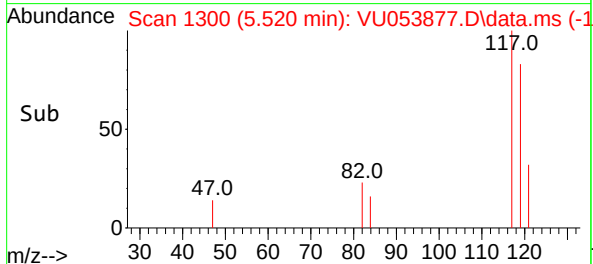
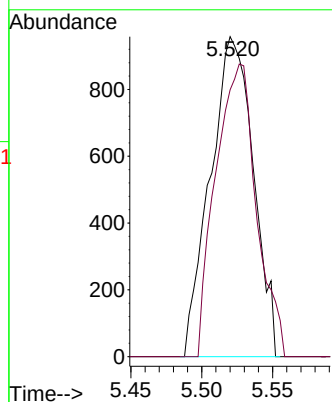
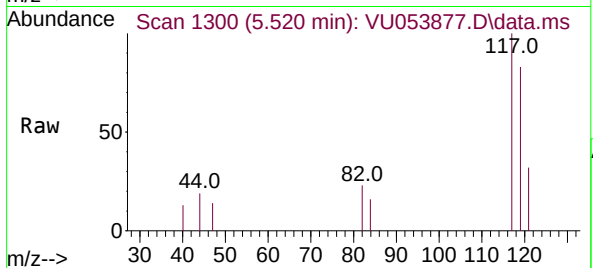




#31
Carbon tetrachloride
Concen: 0.166 ug/L
RT: 5.520 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

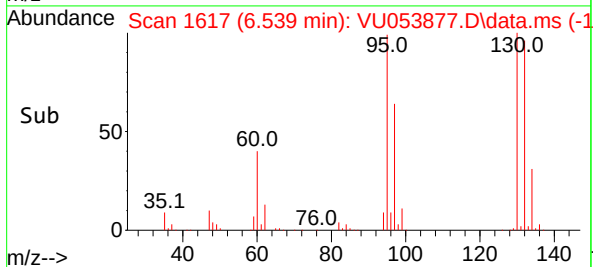
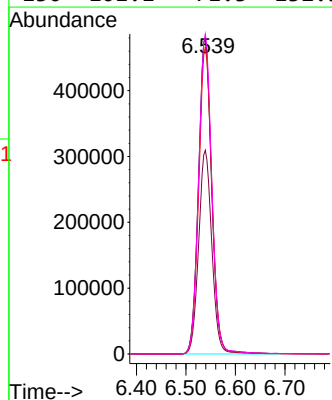
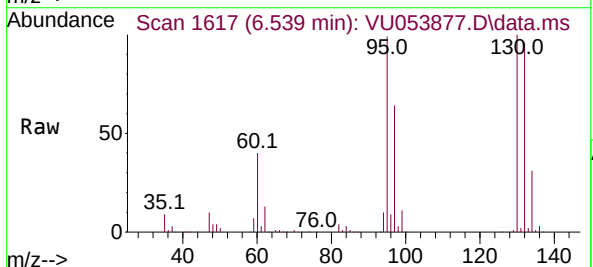
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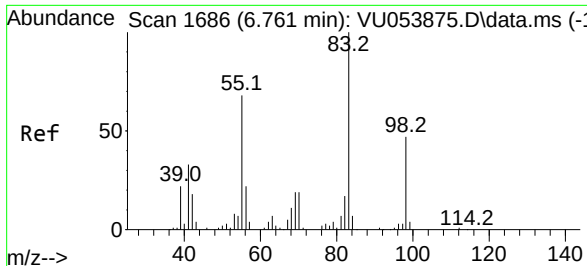
Tgt Ion:117 Resp: 2026
Ion Ratio Lower Upper
117 100
119 86.4 75.0 112.6



#34
Trichloroethene
Concen: 92.819 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Tgt Ion: 95 Resp: 892491
Ion Ratio Lower Upper
95 100
97 64.4 45.1 83.9
132 97.0 69.9 129.9
130 101.1 71.3 132.3

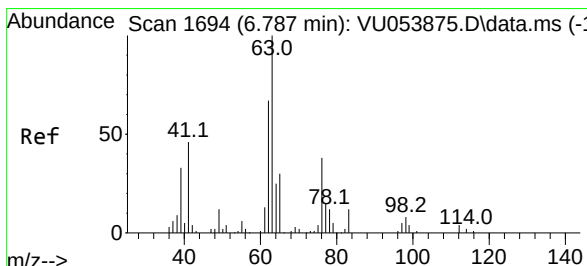
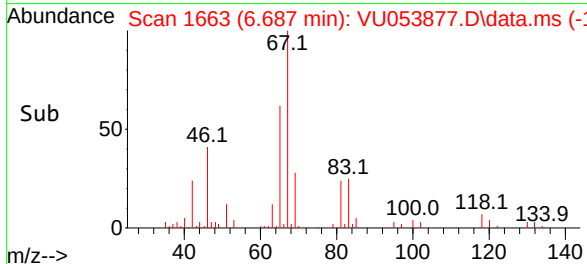
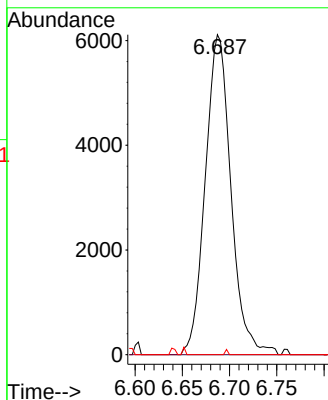
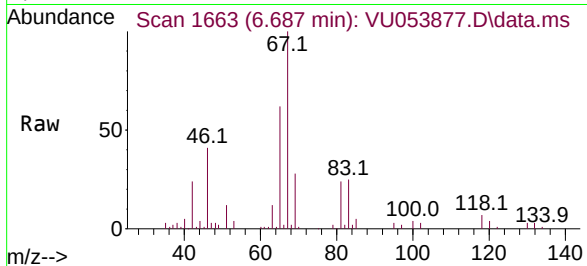




#35
Methylcyclohexane
Concen: 0.778 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

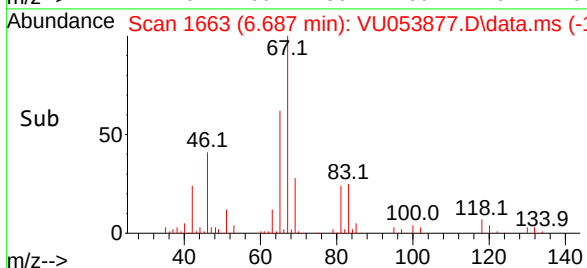
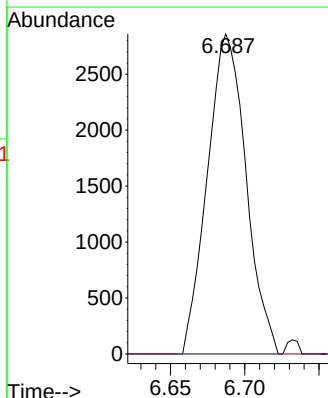
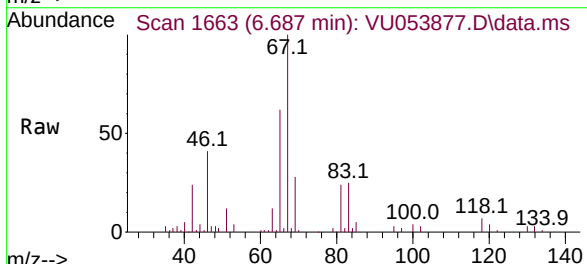
Instrument :
MSVOA_U
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BHE35

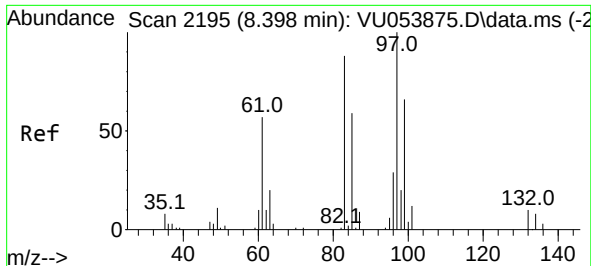
Tgt Ion: 83 Resp: 11558
Ion Ratio Lower Upper
83 100
55 0.0 55.4 83.2#
98 0.0 37.3 55.9#



#37
1,2-Dichloropropane
Concen: 0.591 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.100 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Tgt Ion: 63 Resp: 5177
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



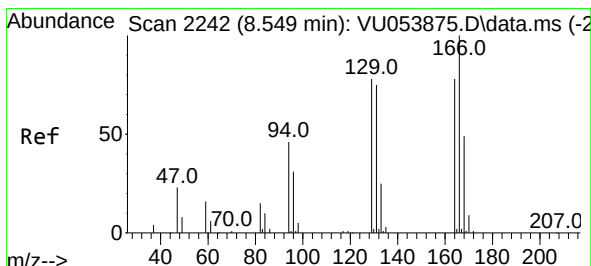
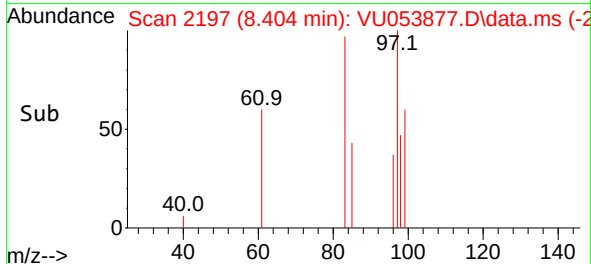
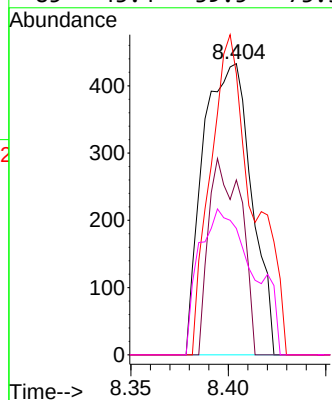
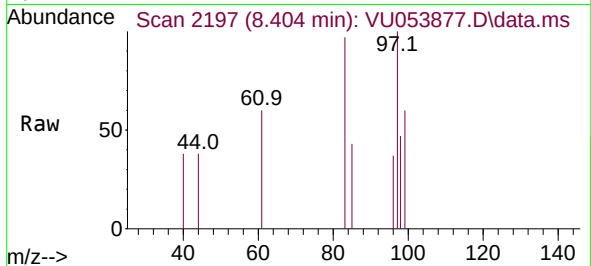


#45
1,1,2-Trichloroethane
Concen: 0.114 ug/L
RT: 8.404 min Scan# 2195
Delta R.T. 0.006 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Instrument :
MSVOA_U
ClientSampleId :
BHE35

Tgt Ion: 97 Resp: 749

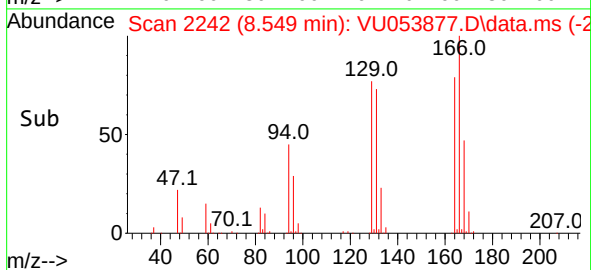
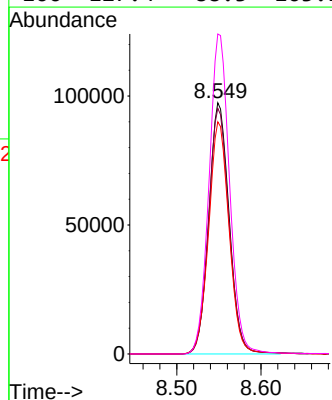
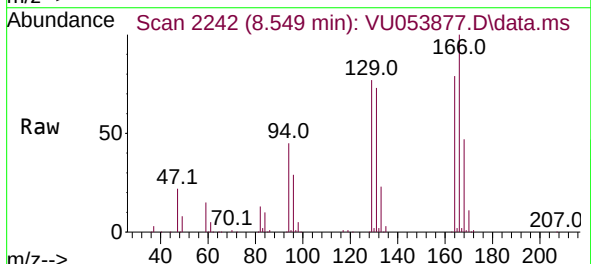
Ion	Ratio	Lower	Upper
97	100		
99	60.0	44.7	83.1
83	96.5	59.8	111.1
85	43.4	39.5	73.3

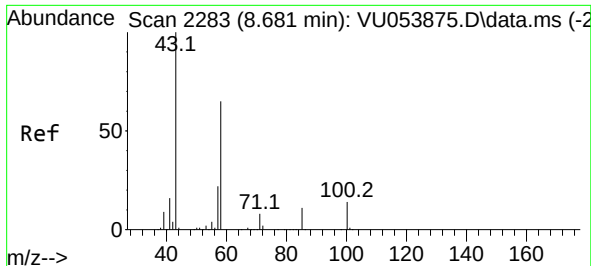


#47
Tetrachloroethene
Concen: 21.493 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Tgt Ion: 164 Resp: 163798

Ion	Ratio	Lower	Upper
164	100		
129	97.7	68.3	126.8
131	92.4	64.4	119.6
166	127.4	88.3	163.9

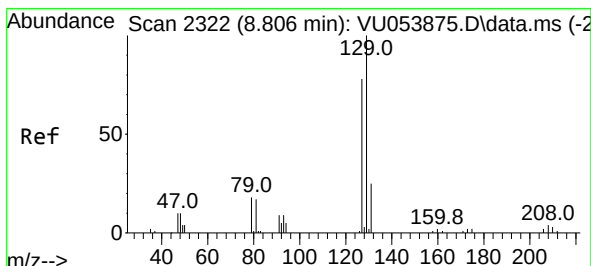
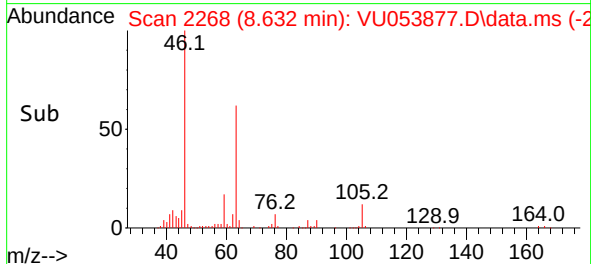
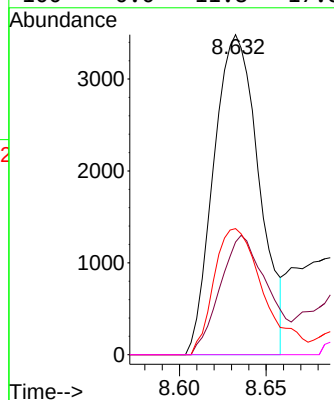
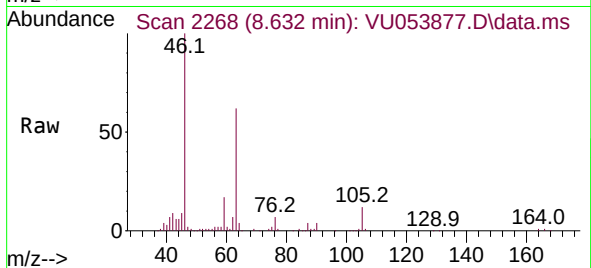




#48
2-Hexanone
Concen: 2.111 ug/L
RT: 8.632 min Scan# 2111
Delta R.T. -0.048 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

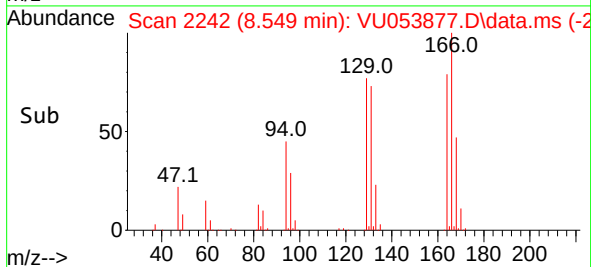
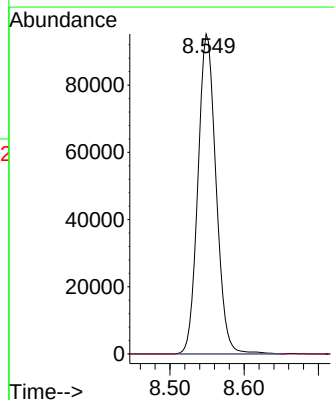
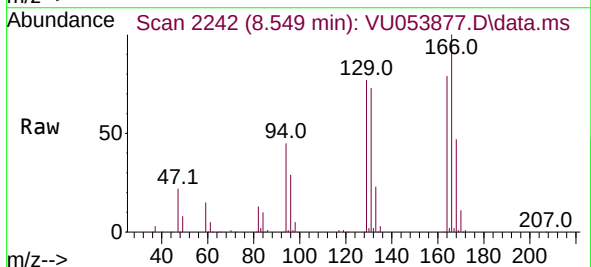
Instrument :
MSVOA_U
ClientSampleId :
BHE35

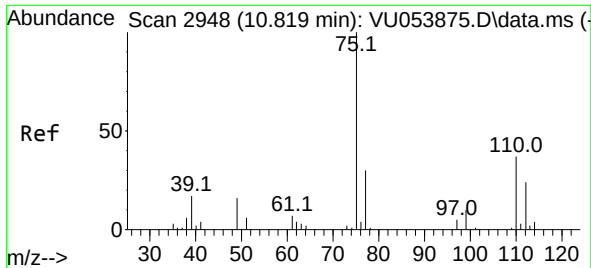
Tgt Ion: 43	Resp: 6336
Ion Ratio	Lower Upper
43 100	
58 39.6	49.8 74.6#
57 43.2	16.9 25.3#
100 0.0	11.8 17.8#



#49
Dibromochloromethane
Concen: 23.252 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.257 min
Lab File: VU053877.D
Acq: 25 Apr 2023 12:27

Tgt Ion:129	Resp: 161550
Ion Ratio	Lower Upper
129 100	
127 0.0	55.7 103.5#





#61
 1,2,3-Trichloropropane
 Concen: 0.183 ug/L
 RT: 10.819 min Scan# 2948
 Delta R.T. 0.000 min
 Lab File: VU053877.D
 Acq: 25 Apr 2023 12:27

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE35

Tgt Ion: 75 Resp: 832
 Ion Ratio Lower Upper
 75 100
 110 31.5 30.7 46.1
 77 22.6 26.2 39.4#

