

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053857.D
 Acq On : 24 Apr 2023 21:21
 Operator : JC/MD
 Sample : 02392-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE12

Quant Time: Apr 25 05:05:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 05:01:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	143172	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	132528	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	63644	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	38832	4.453	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.916	69	32248	4.406	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.200%
11) 1,1-Dichloroethene-d2	2.569	65	16055	4.474	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.400%
20) 2-Butanone-d5	4.636	46	77069	48.252	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.500%
24) Chloroform-d	5.060	84	74912	4.559	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
26) 1,2-Dichloroethane-d4	5.700	65	35528	4.678	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	5.726	84	147868	4.736	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	6.687	67	46564	4.930	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.893	98	136845	4.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
43) trans-1,3-Dichloroprop...	8.176	79	16559	4.458	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.629	63	65287	49.664	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.320%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	35240	4.617	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	49132	4.813	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.200%

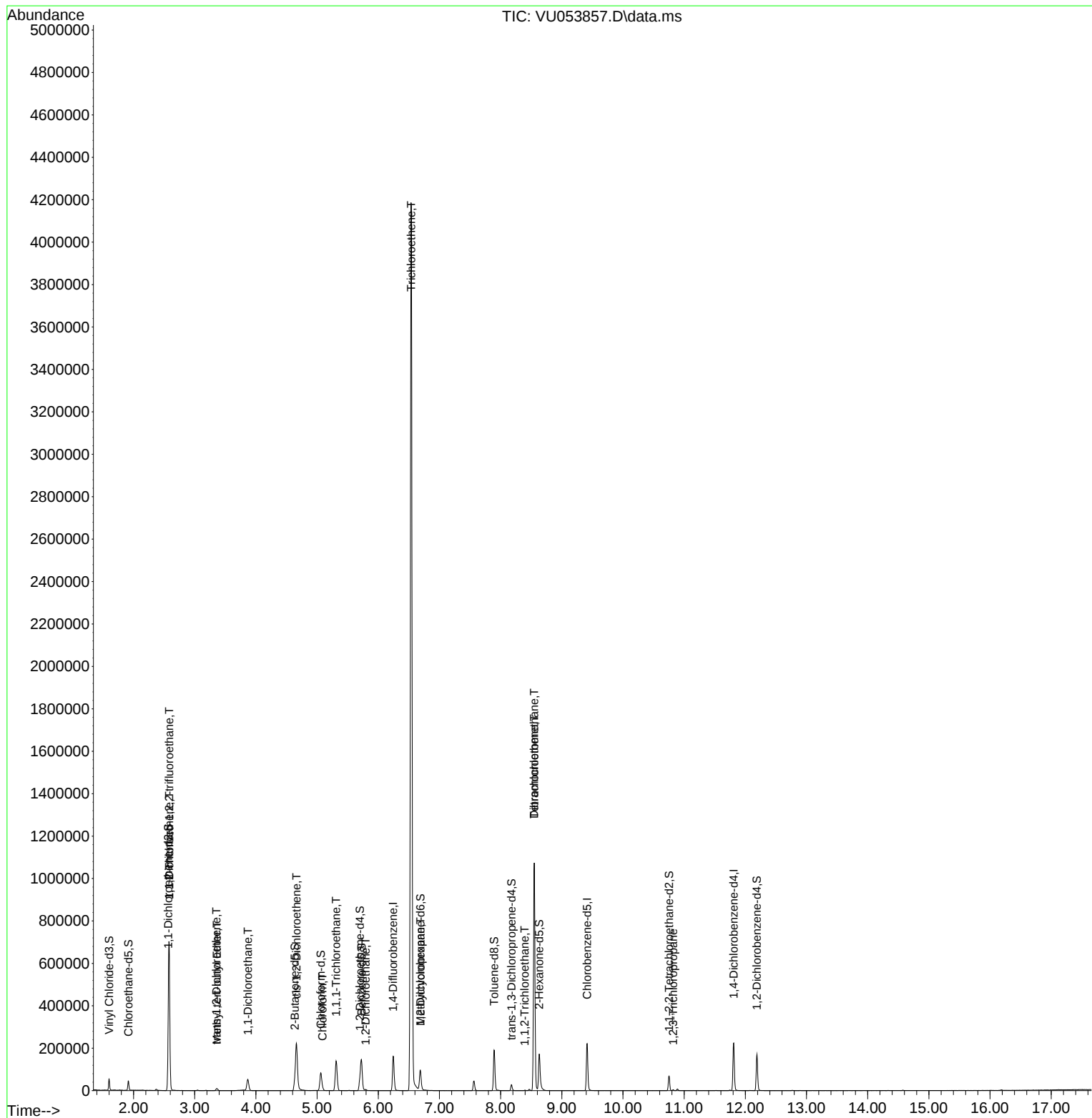
Target Compounds					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	34534	3.382	ug/L	99
12) 1,1-Dichloroethene	2.581	96	206451	22.925	ug/L #	81
17) Methyl tert-butyl Ether	3.363	73	9044	0.464	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	1211	0.133	ug/L #	65
19) 1,1-Dichloroethane	3.868	63	61123	3.711	ug/L	97
22) cis-1,2-Dichloroethene	4.662	96	112088	10.919	ug/L	98
25) Chloroform	5.086	83	9277	0.519	ug/L	100
27) 1,2-Dichloroethane	5.794	62	3441	0.336	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	102426	6.875	ug/L	100
34) Trichloroethene	6.536	95	1421776	139.669	ug/L	99
35) Methylcyclohexane	6.687	83	11222	0.714	ug/L #	21
45) 1,1,2-Trichloroethane	8.395	97	842	0.121	ug/L	83
47) Tetrachloroethene	8.549	164	235772	29.222	ug/L	99
49) Dibromochloromethane	8.549	129	231147	31.425	ug/L #	10
61) 1,2,3-Trichloropropane	10.819	75	2102	0.428	ug/L	99

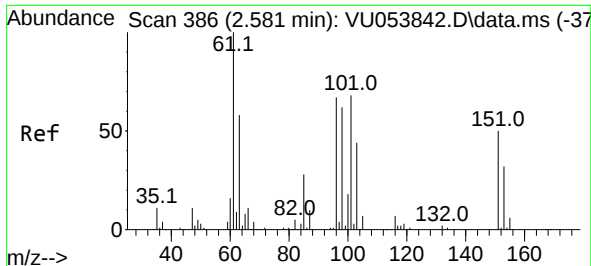
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
Data File : VU053857.D
Acq On : 24 Apr 2023 21:21
Operator : JC/MD
Sample : 02392-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHE12

Quant Time: Apr 25 05:05:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Apr 25 05:01:02 2023
Response via : Initial Calibration

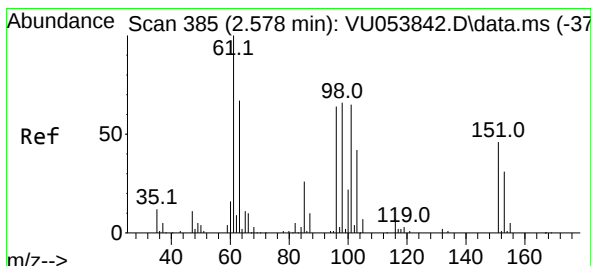
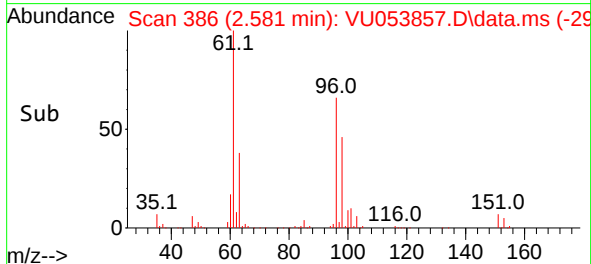
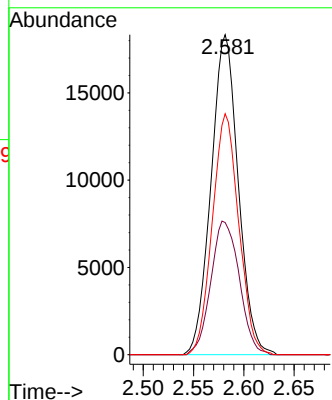
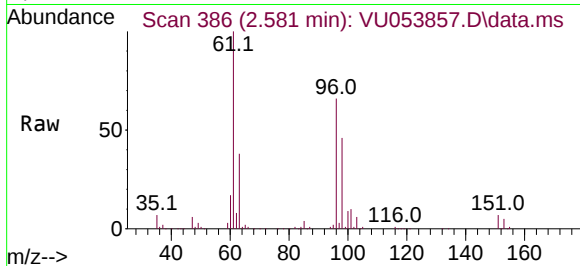




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.382 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU053857.D
 Acq: 24 Apr 2023 21:21

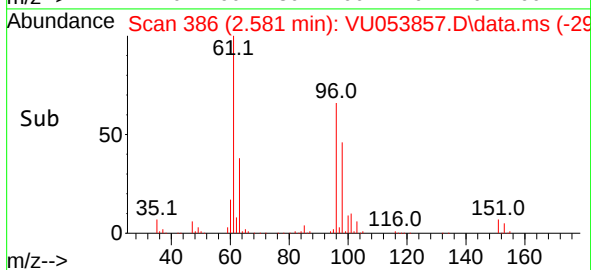
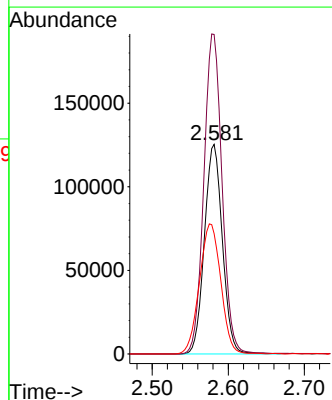
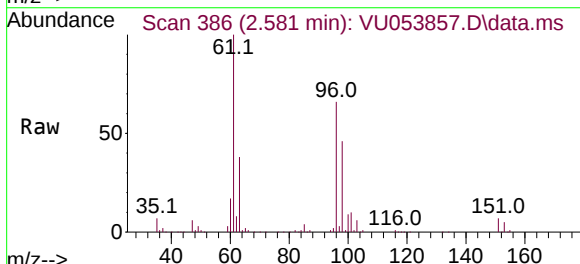
Instrument :
 MSVOA_U
 ClientSampleId :
 BHE12

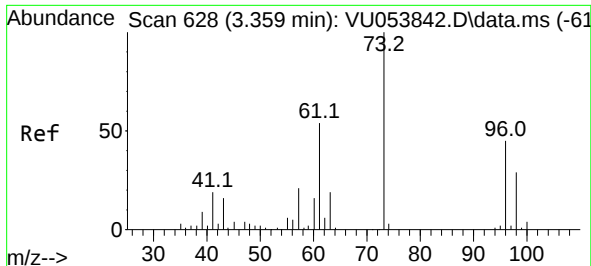
Tgt Ion:101 Resp: 34534
 Ion Ratio Lower Upper
 101 100
 85 43.6 34.7 52.1
 151 73.0 59.1 88.7



#12
 1,1-Dichloroethene
 Concen: 22.925 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU053857.D
 Acq: 24 Apr 2023 21:21

Tgt Ion: 96 Resp: 206451
 Ion Ratio Lower Upper
 96 100
 61 152.5 111.5 207.1
 63 57.4 68.7 127.7#





#17

Methyl tert-butyl Ether

Concen: 0.464 ug/L

RT: 3.363 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU053857.D

Acq: 24 Apr 2023 21:21

Instrument :

MSVOA_U

ClientSampleId :

BHE12

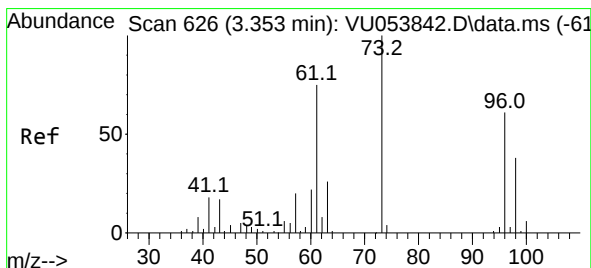
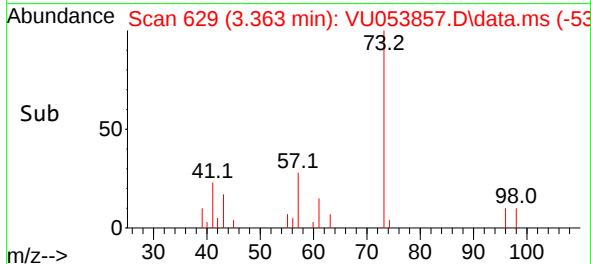
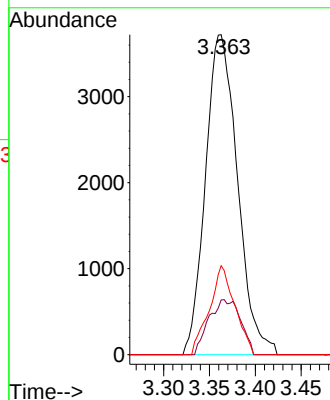
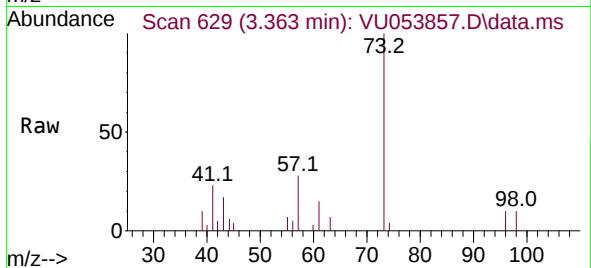
Tgt Ion: 73 Resp: 9044

Ion Ratio Lower Upper

73 100

43 17.0 13.4 20.2

57 22.1 17.2 25.8



#18

trans-1,2-Dichloroethene

Concen: 0.133 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU053857.D

Acq: 24 Apr 2023 21:21

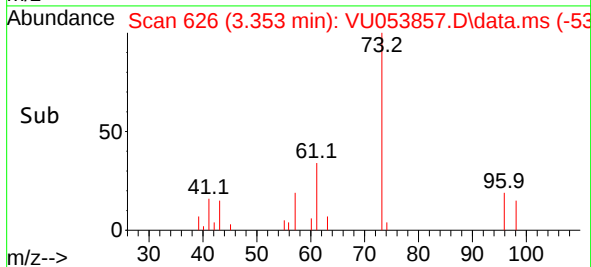
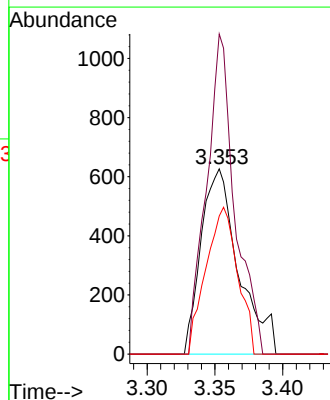
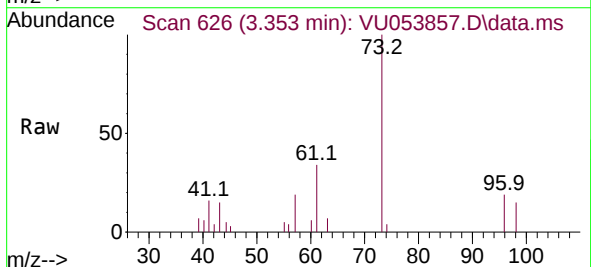
Tgt Ion: 96 Resp: 1211

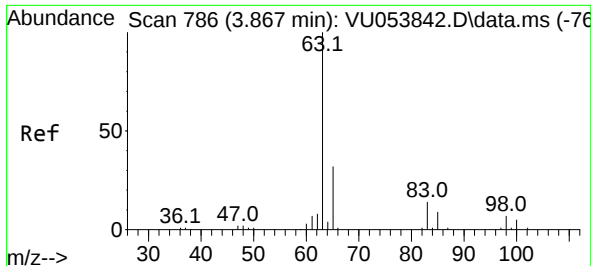
Ion Ratio Lower Upper

96 100

61 172.7 86.2 160.0#

98 74.5 42.8 79.4

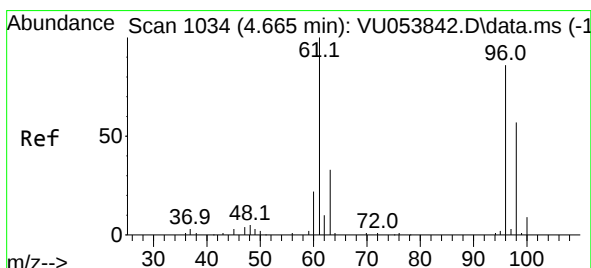
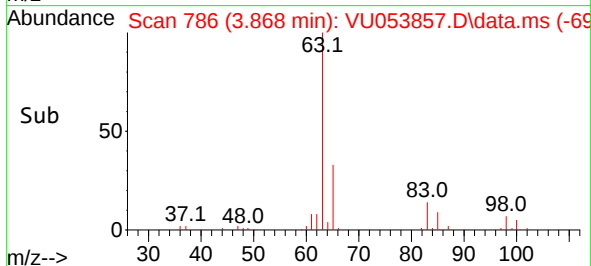
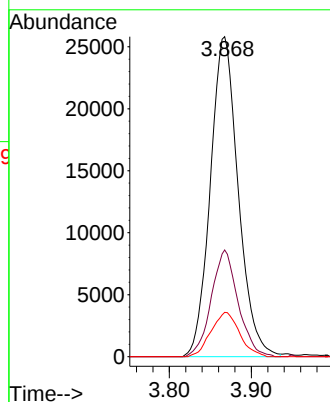
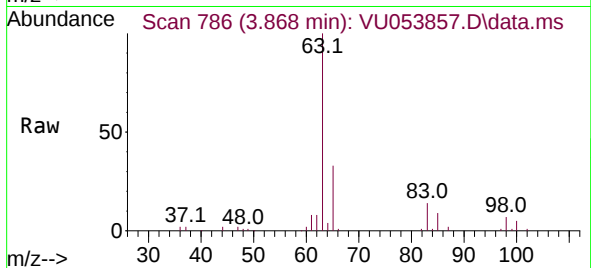




#19
1,1-Dichloroethane
Concen: 3.711 ug/L
RT: 3.868 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU053857.D
Acq: 24 Apr 2023 21:21

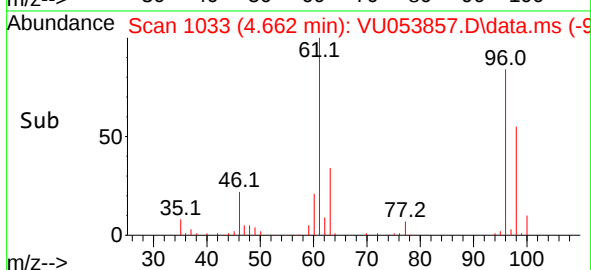
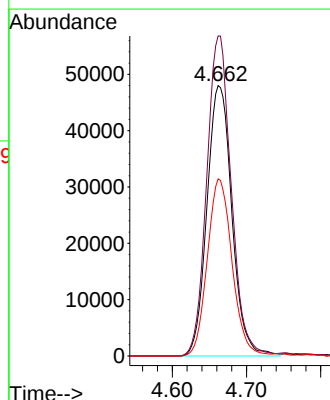
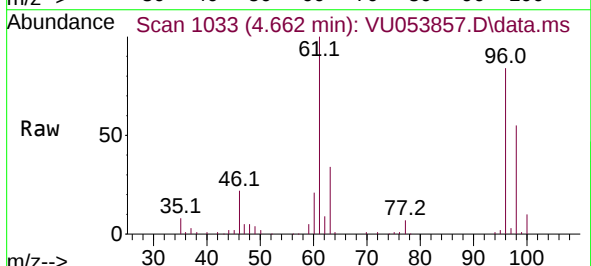
Instrument :
MSVOA_U
ClientSampleId :
BHE12

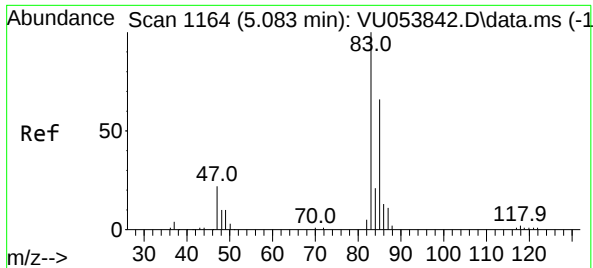
Tgt Ion: 63 Resp: 61123
Ion Ratio Lower Upper
63 100
65 33.3 22.0 40.8
83 13.9 10.3 19.1



#22
cis-1,2-Dichloroethene
Concen: 10.919 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. -0.003 min
Lab File: VU053857.D
Acq: 24 Apr 2023 21:21

Tgt Ion: 96 Resp: 112088
Ion Ratio Lower Upper
96 100
61 118.4 84.3 156.5
98 65.5 46.4 86.2





#25

Chloroform

Concen: 0.519 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU053857.D

Acq: 24 Apr 2023 21:21

Instrument :

MSVOA_U

ClientSampleId :

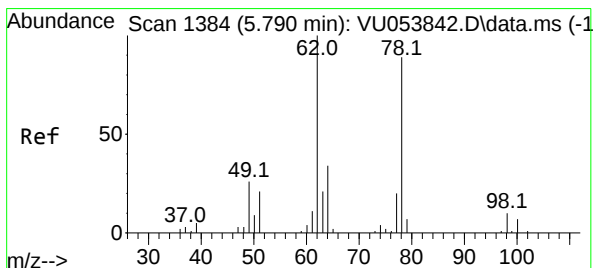
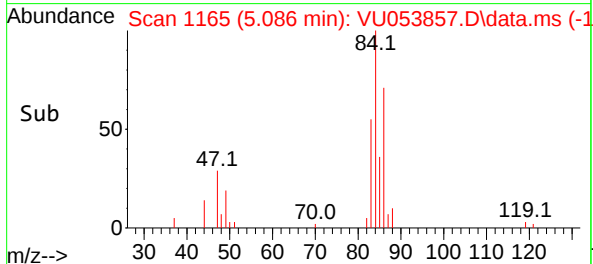
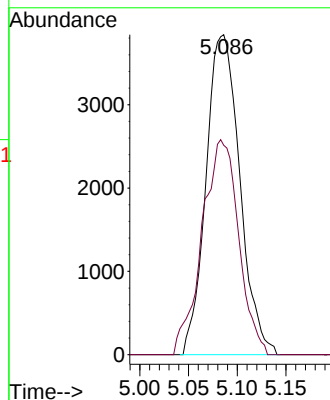
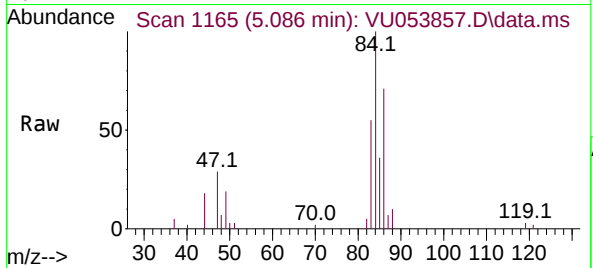
BHE12

Tgt Ion: 83 Resp: 9277

Ion Ratio Lower Upper

83 100

85 65.5 45.6 84.8



#27

1,2-Dichloroethane

Concen: 0.336 ug/L

RT: 5.794 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU053857.D

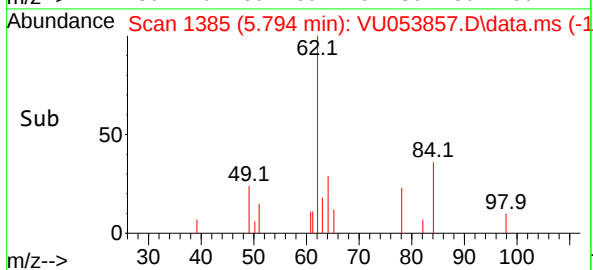
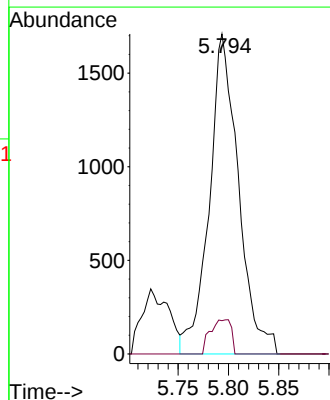
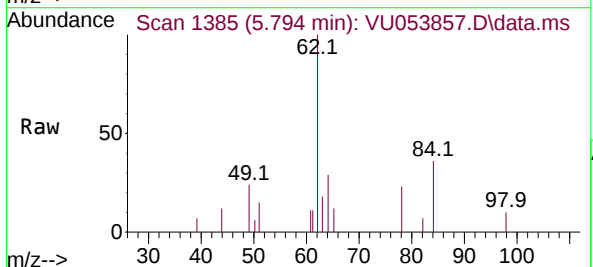
Acq: 24 Apr 2023 21:21

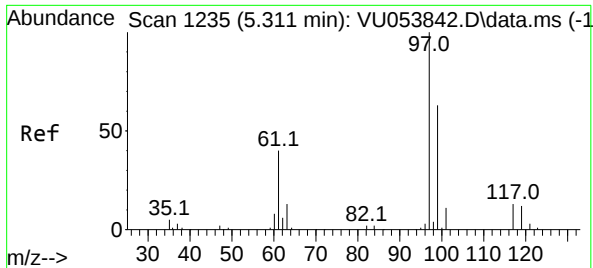
Tgt Ion: 62 Resp: 3441

Ion Ratio Lower Upper

62 100

98 10.4 8.7 13.1

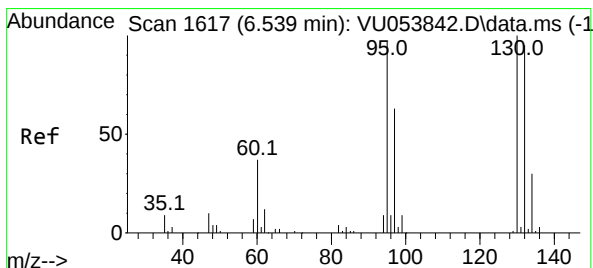
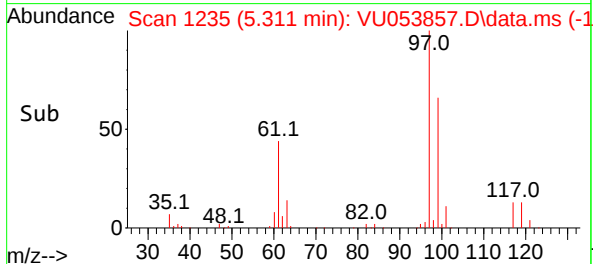
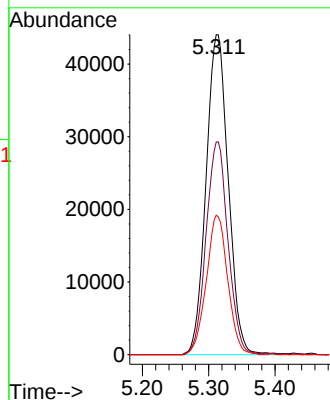
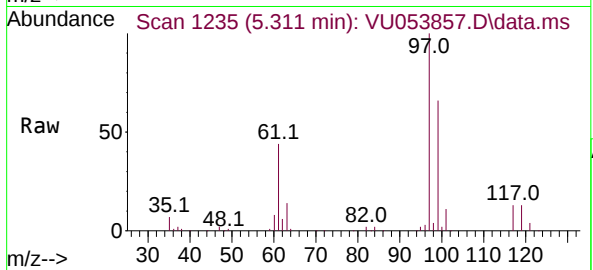




#29
1,1,1-Trichloroethane
Concen: 6.875 ug/L
RT: 5.311 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053857.D
Acq: 24 Apr 2023 21:21

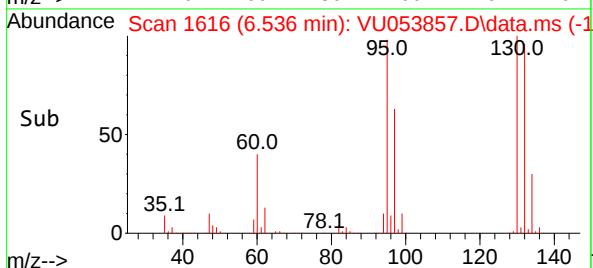
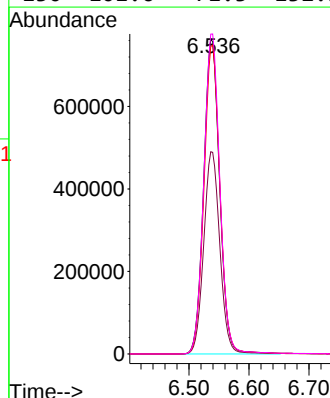
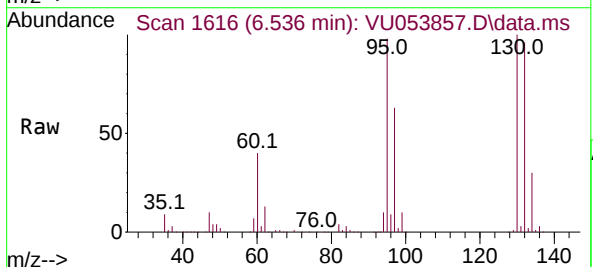
Instrument :
MSVOA_U
ClientSampleId :
BHE12

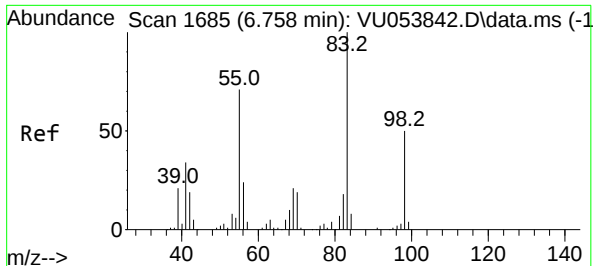
Tgt Ion: 97 Resp: 102426
Ion Ratio Lower Upper
97 100
99 65.6 52.9 79.3
61 42.1 33.8 50.8



#34
Trichloroethene
Concen: 139.669 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053857.D
Acq: 24 Apr 2023 21:21

Tgt Ion: 95 Resp: 1421776
Ion Ratio Lower Upper
95 100
97 64.2 45.1 83.9
132 97.6 69.9 129.9
130 101.6 71.3 132.3

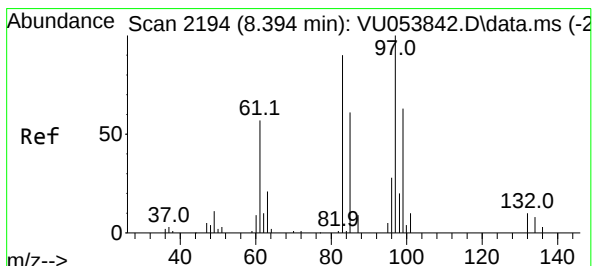
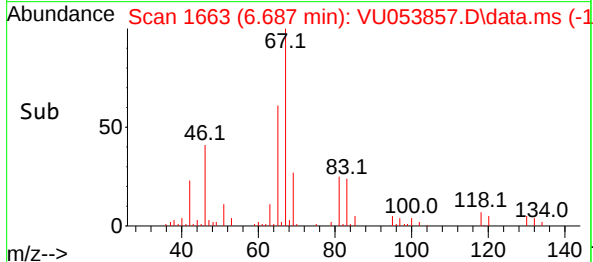
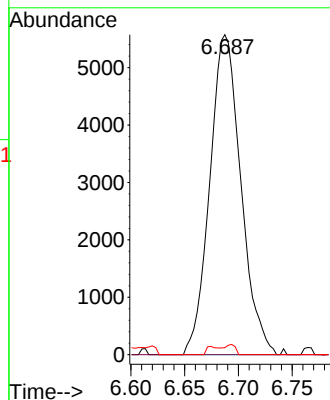
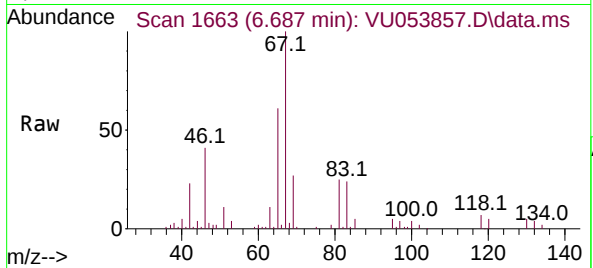




#35
Methylcyclohexane
Concen: 0.714 ug/L
RT: 6.687 min Scan# 1
Delta R.T. -0.071 min
Lab File: VU053857.D
Acq: 24 Apr 2023 21:21

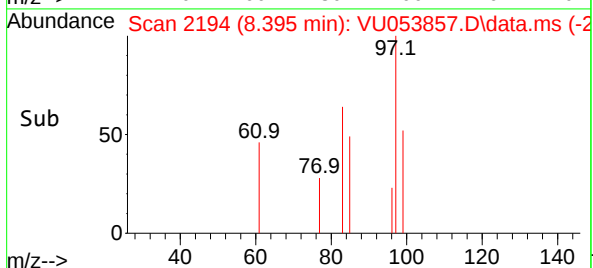
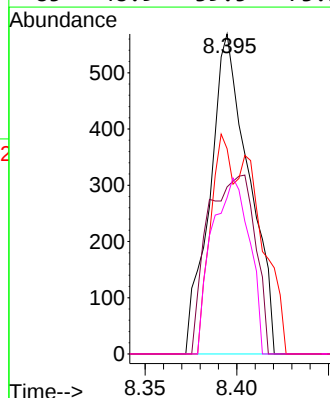
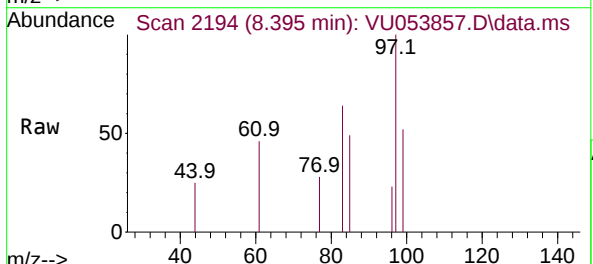
Instrument :
MSVOA_U
ClientSampleId :
BHE12

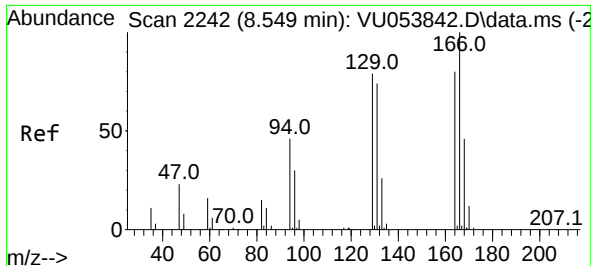
Tgt Ion: 83 Resp: 11222
Ion Ratio Lower Upper
83 100
55 0.0 55.4 83.2#
98 0.0 37.3 55.9#



#45
1,1,2-Trichloroethane
Concen: 0.121 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053857.D
Acq: 24 Apr 2023 21:21

Tgt Ion: 97 Resp: 842
Ion Ratio Lower Upper
97 100
99 52.2 44.7 83.1
83 64.1 59.8 111.1
85 48.9 39.5 73.3

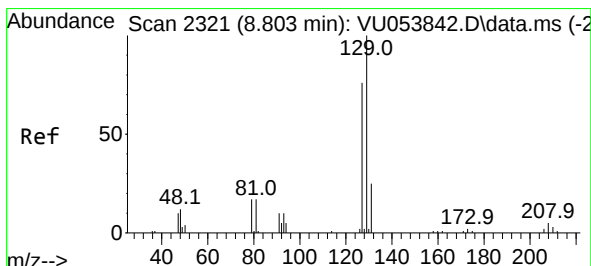
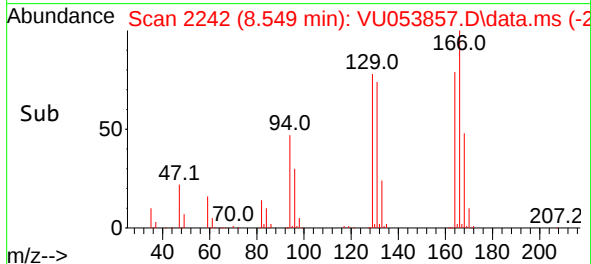
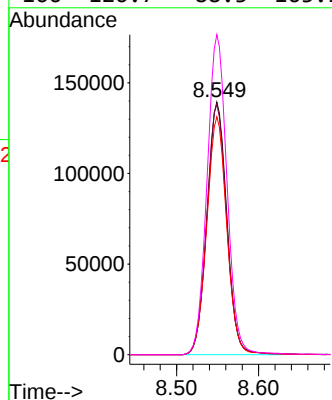
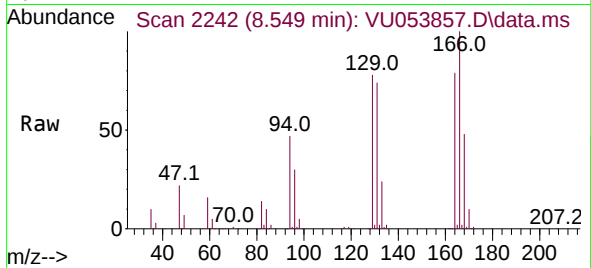




#47
Tetrachloroethene
Concen: 29.222 ug/L
RT: 8.549 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053857.D
Acq: 24 Apr 2023 21:21

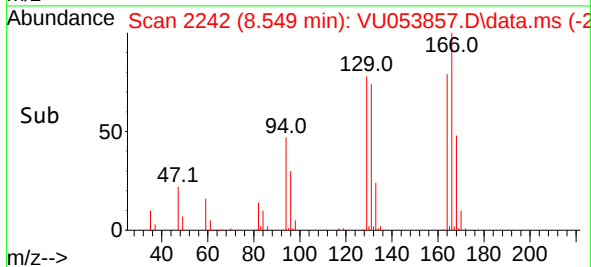
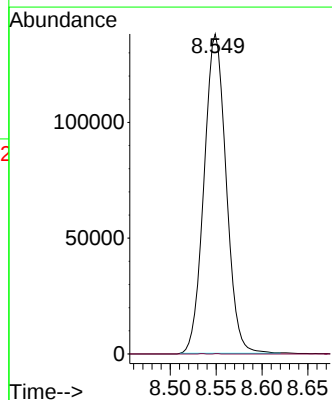
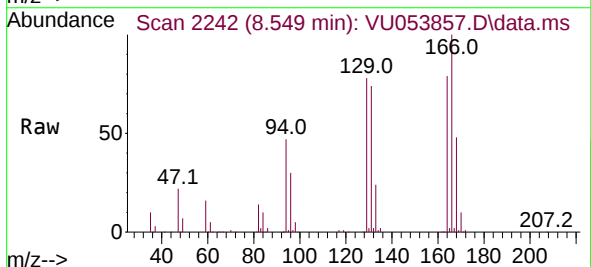
Instrument :
MSVOA_U
ClientSampleId :
BHE12

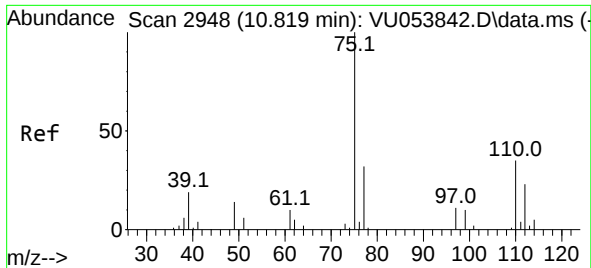
Tgt Ion:164 Resp: 235772
Ion Ratio Lower Upper
164 100
129 99.1 68.3 126.8
131 94.2 64.4 119.6
166 126.7 88.3 163.9



#49
Dibromochloromethane
Concen: 31.425 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.254 min
Lab File: VU053857.D
Acq: 24 Apr 2023 21:21

Tgt Ion:129 Resp: 231147
Ion Ratio Lower Upper
129 100
127 0.1 55.7 103.5#





#61
 1,2,3-Trichloropropane
 Concen: 0.428 ug/L
 RT: 10.819 min Scan# 2948
 Delta R.T. 0.000 min
 Lab File: VU053857.D
 Acq: 24 Apr 2023 21:21

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE12

Tgt Ion: 75 Resp: 2102

Ion	Ratio	Lower	Upper
75	100		
110	38.3	30.7	46.1
77	33.5	26.2	39.4

