

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041823\
 Data File : VU053758.D
 Acq On : 18 Apr 2023 14:33
 Operator : JC/MD
 Sample : 02340-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE14

Quant Time: Apr 19 05:01:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 19 04:58:28 2023
 Response via : Initial Calibration

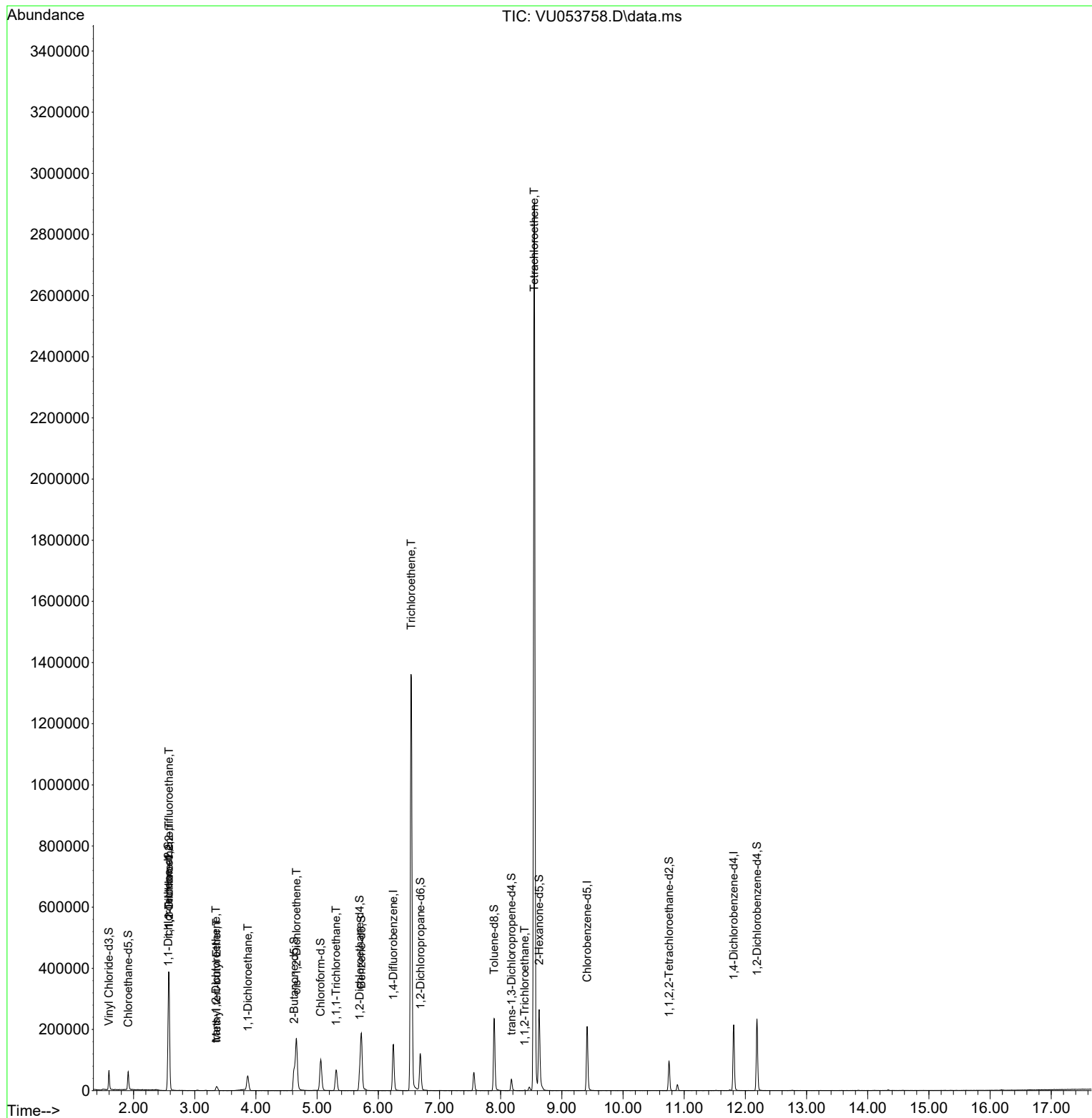
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	132299	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	125089	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	60564	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	48265	5.303	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.000%
7) Chloroethane-d5	1.912	69	43395	5.254	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.000%
11) 1,1-Dichloroethene-d2	2.565	65	17907	4.619	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.400%
20) 2-Butanone-d5	4.623	46	106049	50.863	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.720%
24) Chloroform-d	5.057	84	93568	5.546	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.000%
26) 1,2-Dichloroethane-d4	5.697	65	48018	5.553	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.000%
32) Benzene-d6	5.722	84	184834	5.214	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.200%
36) 1,2-Dichloropropane-d6	6.687	67	60705	5.620	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.400%
41) Toluene-d8	7.893	98	164721	4.925	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
43) trans-1,3-Dichloroprop...	8.176	79	22557	5.442	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.800%
46) 2-Hexanone-d5	8.629	63	94202	55.948	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.900%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	47495	5.282	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	63694	5.846	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.000%
Target Compounds						
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	11964	1.451	ug/L	94
12) 1,1-Dichloroethene	2.578	96	108506	14.486	ug/L #	75
17) Methyl tert-butyl Ether	3.359	73	12487	0.688	ug/L	93
18) trans-1,2-Dichloroethene	3.346	96	1347	0.173	ug/L	72
19) 1,1-Dichloroethane	3.867	63	55066	3.842	ug/L #	96
22) cis-1,2-Dichloroethene	4.661	96	86056	8.209	ug/L	97
29) 1,1,1-Trichloroethane	5.311	97	50489	4.088	ug/L	96
34) Trichloroethene	6.536	95	469607	52.614	ug/L	95
45) 1,1,2-Trichloroethane	8.394	97	699	0.111	ug/L	91
47) Tetrachloroethene	8.549	164	643344	98.101	ug/L	94

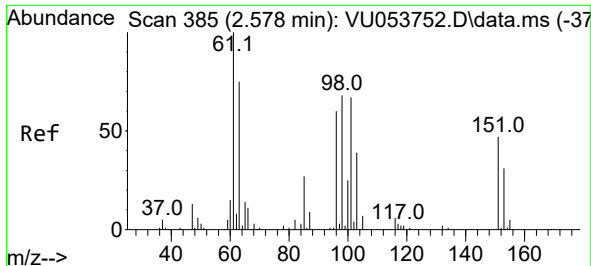
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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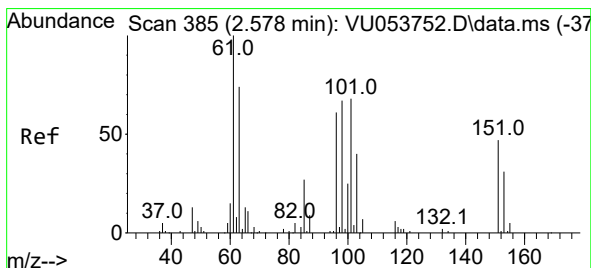
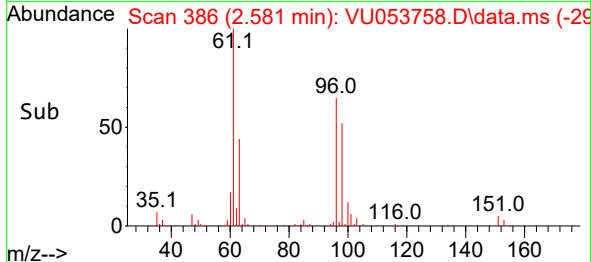
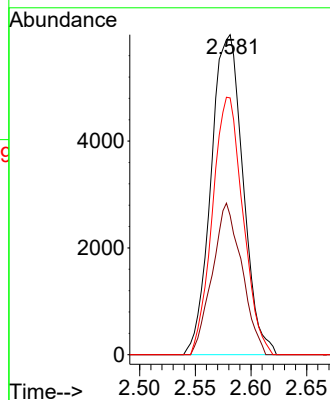
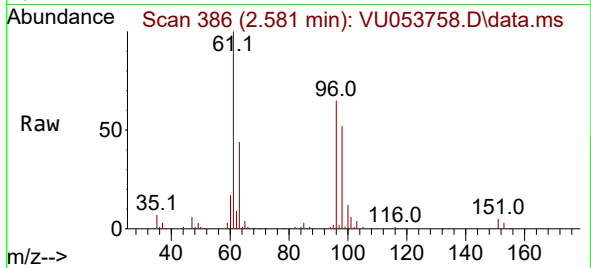




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.451 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU053758.D
Acq: 18 Apr 2023 14:33

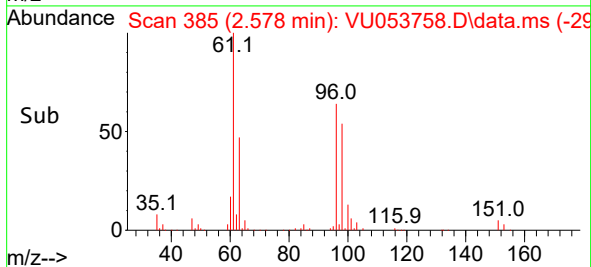
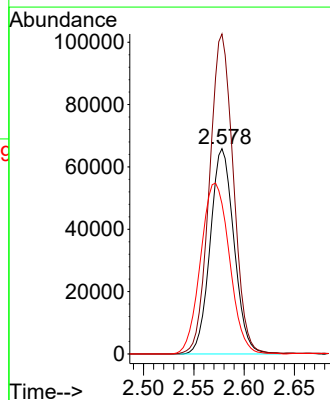
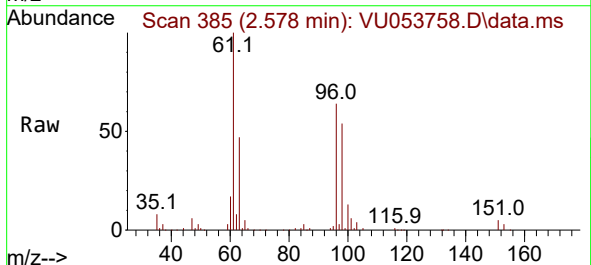
Instrument :
MSVOA_U
ClientSampleId :
BHE14

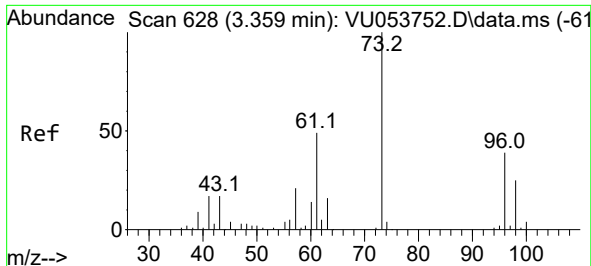
Tgt Ion:101 Resp: 11964
Ion Ratio Lower Upper
101 100
85 43.7 37.0 55.4
151 76.9 56.8 85.2



#12
1,1-Dichloroethene
Concen: 14.486 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU053758.D
Acq: 18 Apr 2023 14:33

Tgt Ion: 96 Resp: 108506
Ion Ratio Lower Upper
96 100
61 155.8 116.8 216.8
63 73.1 88.6 164.6#





#17

Methyl tert-butyl Ether

Concen: 0.688 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU053758.D

Acq: 18 Apr 2023 14:33

Instrument :

MSVOA_U

ClientSampleId :

BHE14

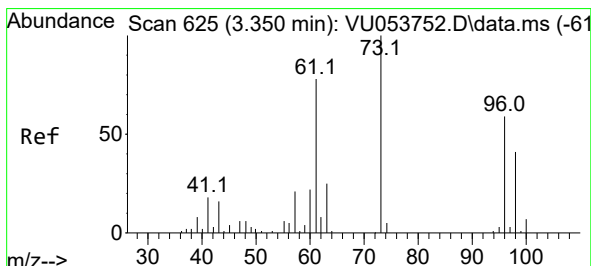
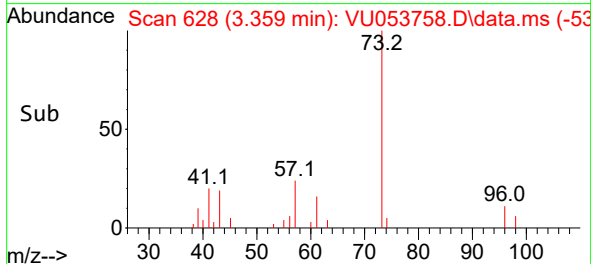
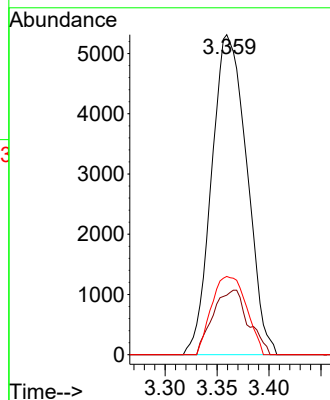
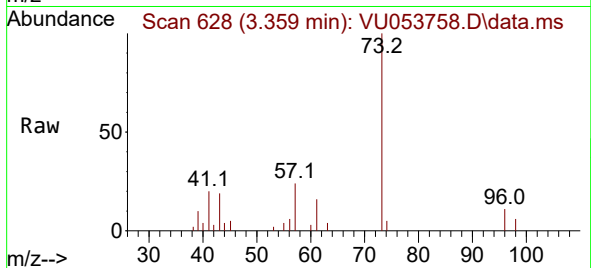
Tgt Ion: 73 Resp: 12487

Ion Ratio Lower Upper

73 100

43 20.3 13.9 20.9

57 24.3 17.0 25.6



#18

trans-1,2-Dichloroethene

Concen: 0.173 ug/L

RT: 3.346 min Scan# 624

Delta R.T. -0.003 min

Lab File: VU053758.D

Acq: 18 Apr 2023 14:33

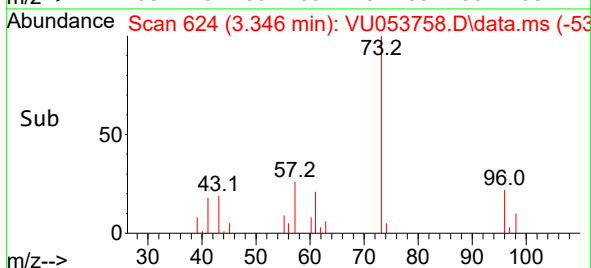
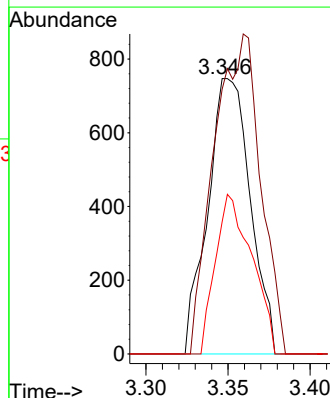
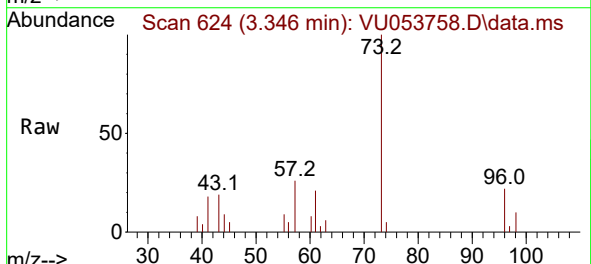
Tgt Ion: 96 Resp: 1347

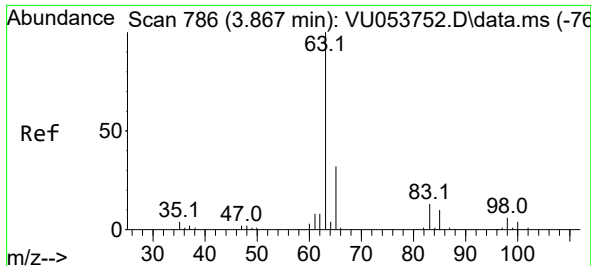
Ion Ratio Lower Upper

96 100

61 96.1 95.5 177.3

98 47.9 42.2 78.4





#19

1,1-Dichloroethane

Concen: 3.842 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU053758.D

Acq: 18 Apr 2023 14:33

Instrument :

MSVOA_U

ClientSampleId :

BHE14

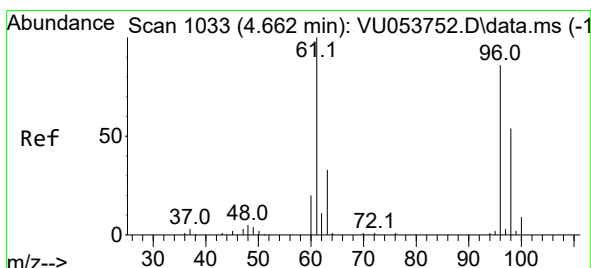
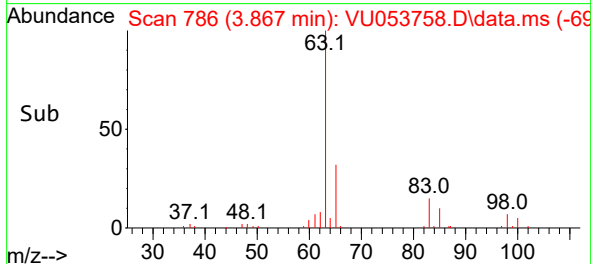
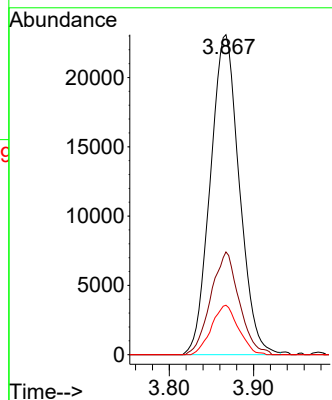
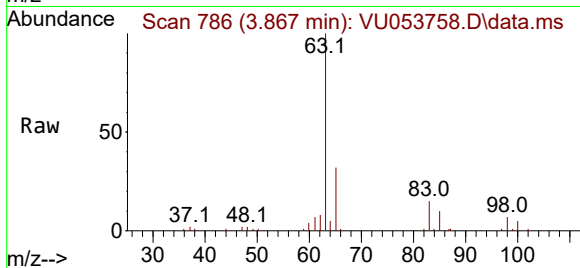
Tgt Ion: 63 Resp: 55066

Ion Ratio Lower Upper

63 100

65 32.1 21.7 40.3

83 15.4 8.1 15.1#



#22

cis-1,2-Dichloroethene

Concen: 8.209 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU053758.D

Acq: 18 Apr 2023 14:33

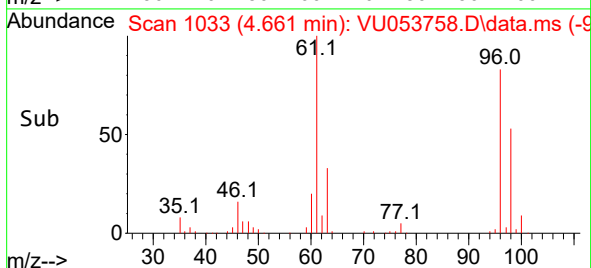
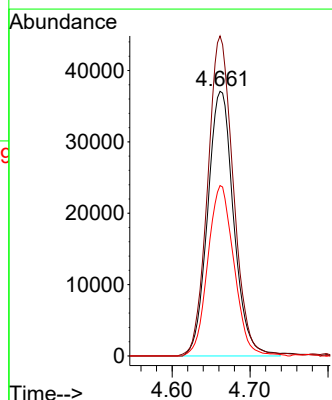
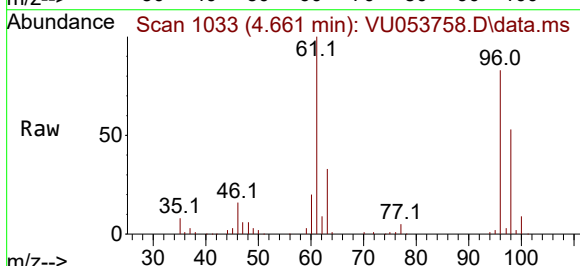
Tgt Ion: 96 Resp: 86056

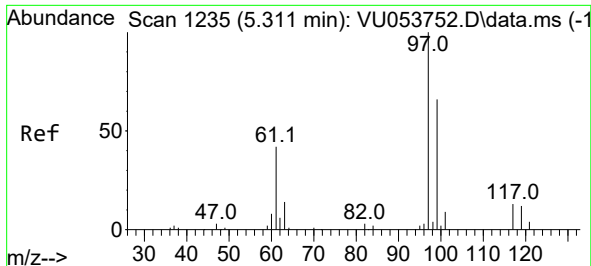
Ion Ratio Lower Upper

96 100

61 120.9 86.6 160.8

98 64.4 47.7 88.5





#29

1,1,1-Trichloroethane

Concen: 4.088 ug/L

RT: 5.311 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU053758.D

Acq: 18 Apr 2023 14:33

Instrument :

MSVOA_U

ClientSampleId :

BHE14

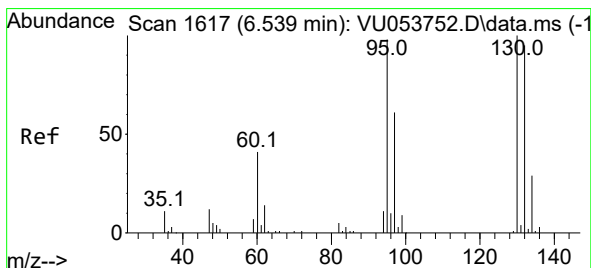
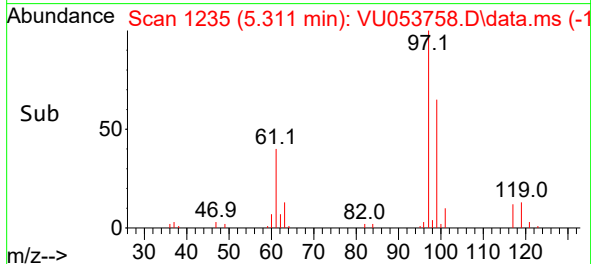
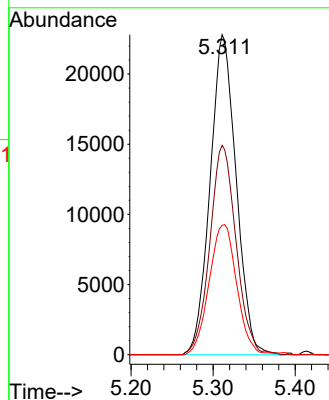
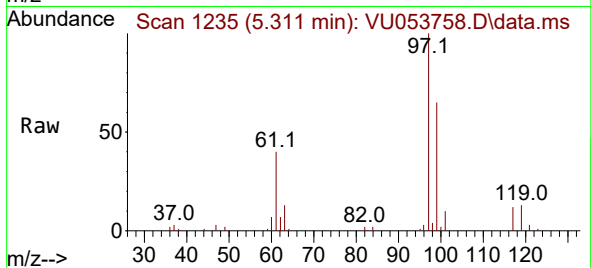
Tgt Ion: 97 Resp: 50489

Ion Ratio Lower Upper

97 100

99 66.0 49.9 74.9

61 43.1 35.7 53.5



#34

Trichloroethene

Concen: 52.614 ug/L

RT: 6.536 min Scan# 1616

Delta R.T. -0.003 min

Lab File: VU053758.D

Acq: 18 Apr 2023 14:33

Tgt Ion: 95 Resp: 469607

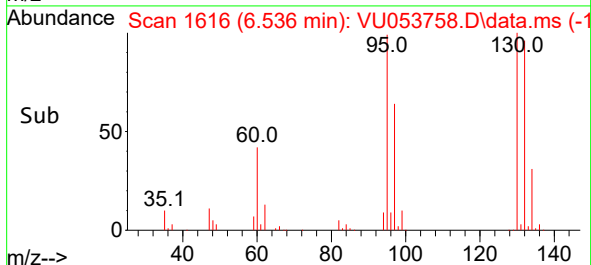
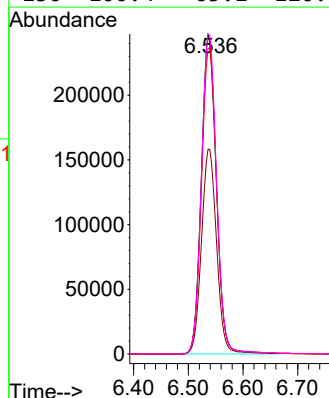
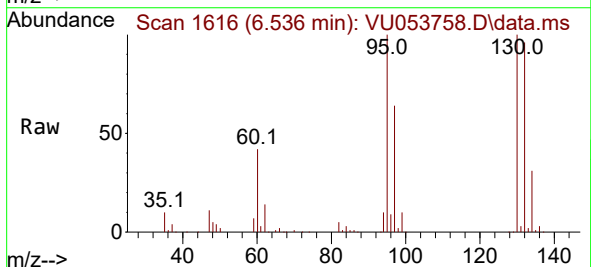
Ion Ratio Lower Upper

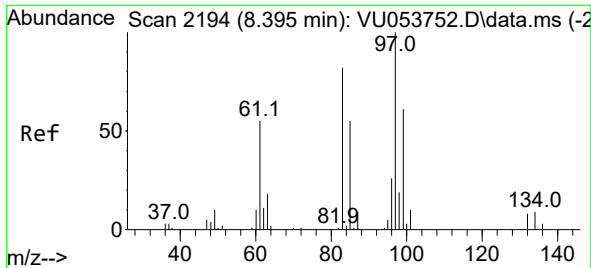
95 100

97 64.2 45.3 84.1

132 95.9 62.8 116.6

130 100.4 65.1 120.9

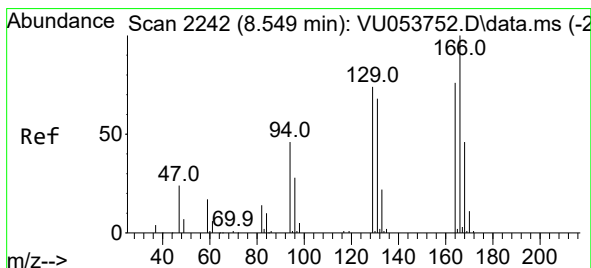
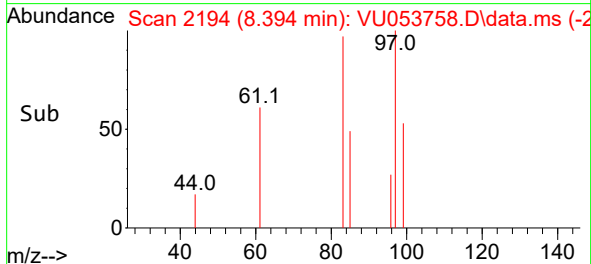
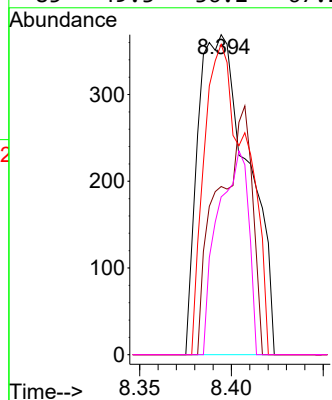
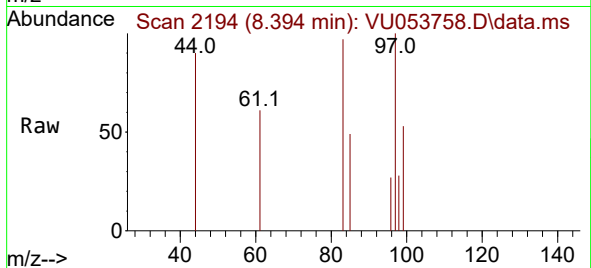




#45
1,1,2-Trichloroethane
Concen: 0.111 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053758.D
Acq: 18 Apr 2023 14:33

Instrument :
MSVOA_U
ClientSampleId :
BHE14

Tgt Ion: 97	Resp: 699
Ion Ratio	Lower Upper
97 100	
99 52.6	38.9 72.2
83 97.0	57.6 107.0
85 49.3	36.2 67.2



#47
Tetrachloroethene
Concen: 98.101 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053758.D
Acq: 18 Apr 2023 14:33

Tgt	Ion:164	Resp:	643344
Ion	Ratio	Lower	Upper
164	100		
129	97.6	74.8	138.8
131	94.5	70.1	130.1
166	127.8	87.3	162.1

