

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053858.D
 Acq On : 24 Apr 2023 21:45
 Operator : JC/MD
 Sample : 02392-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE28

Quant Time: Apr 25 05:06:12 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)

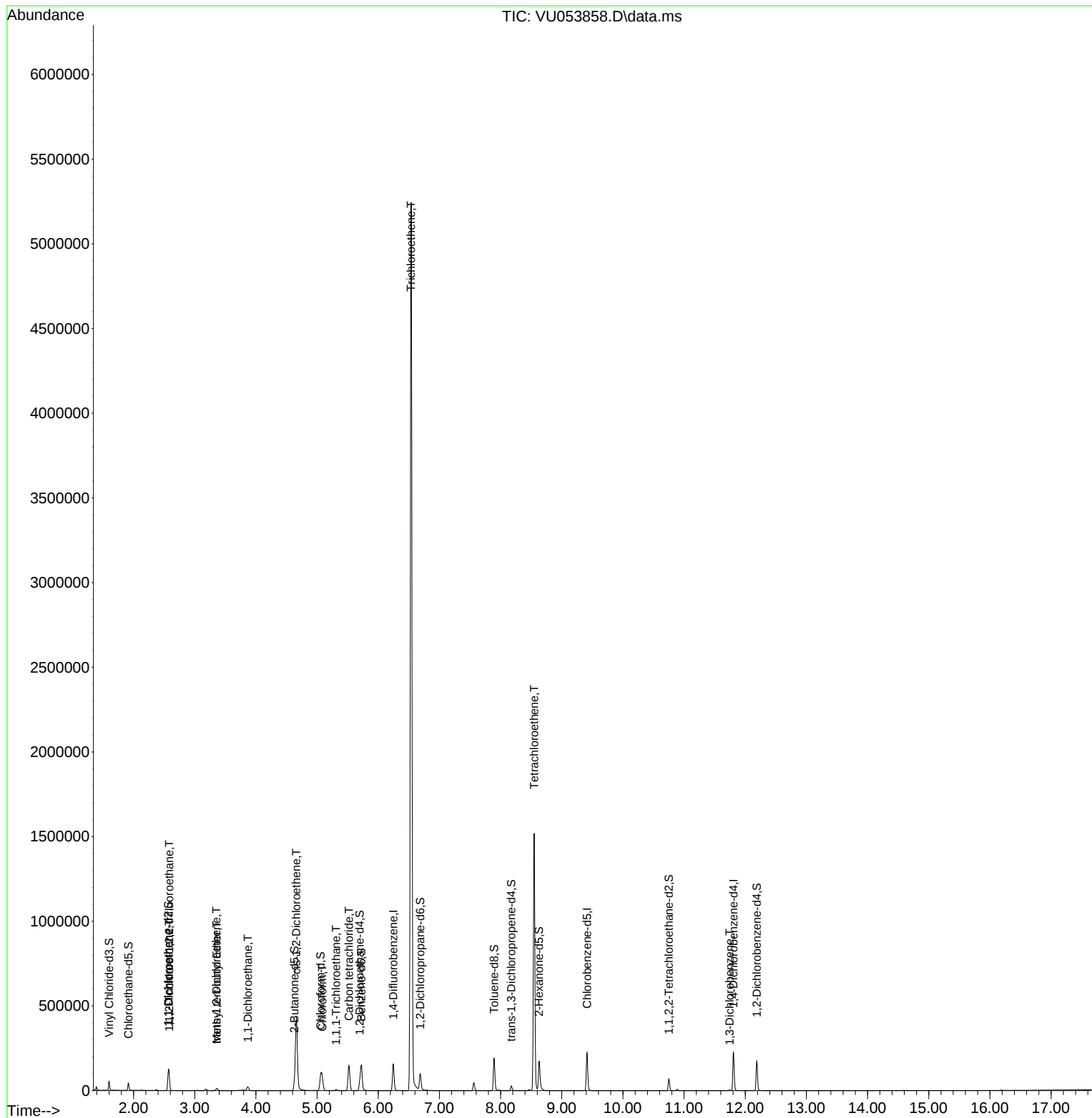
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	136973	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	131440	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	64408	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	39342	4.715	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.400%
7) Chloroethane-d5	1.916	69	32564	4.651	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.000%
11) 1,1-Dichloroethene-d2	2.568	65	15254	4.443	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.800%
20) 2-Butanone-d5	4.629	46	76505	50.066	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.140%
24) Chloroform-d	5.057	84	77929	4.957	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
26) 1,2-Dichloroethane-d4	5.697	65	36630	5.042	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
32) Benzene-d6	5.726	84	151271	4.885	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
36) 1,2-Dichloropropane-d6	6.687	67	46487	4.963	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.893	98	136407	4.720	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	8.176	79	17350	4.709	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.200%
46) 2-Hexanone-d5	8.629	63	64821	49.717	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.440%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	33767	4.461	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	47602	4.608	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.200%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	6208	0.635	ug/L	98
12) 1,1-Dichloroethene	2.578	96	20026	2.324	ug/L #	64
17) Methyl tert-butyl Ether	3.359	73	11309	0.606	ug/L #	93
18) trans-1,2-Dichloroethene	3.356	96	1670	0.192	ug/L	93
19) 1,1-Dichloroethane	3.867	63	26131	1.659	ug/L	94
22) cis-1,2-Dichloroethene	4.662	96	229639	23.382	ug/L	96
25) Chloroform	5.086	83	64073	3.745	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	5023	0.340	ug/L	95
31) Carbon tetrachloride	5.520	117	99223	7.725	ug/L	96
34) Trichloroethene	6.536	95	1781308	176.437	ug/L	99
47) Tetrachloroethene	8.549	164	333499	41.677	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	2363	0.122	ug/L	92

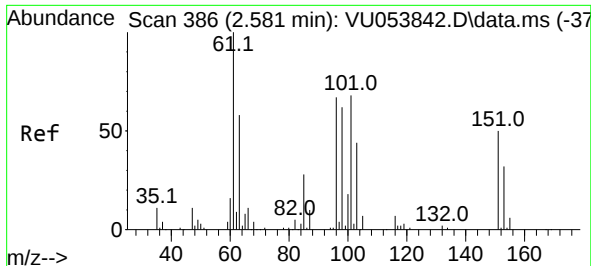
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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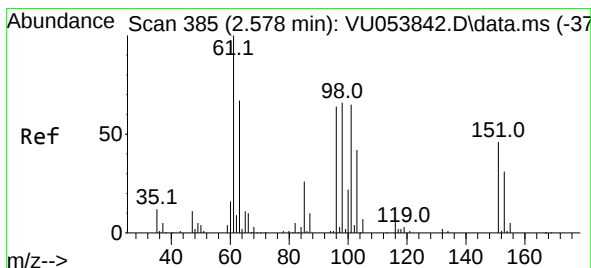
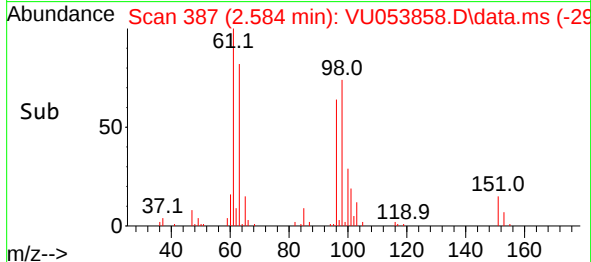
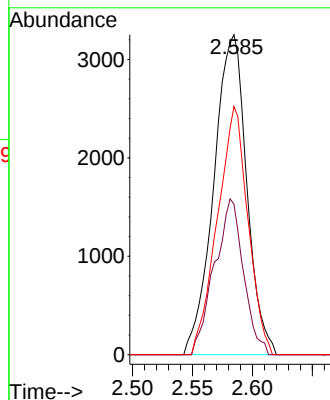
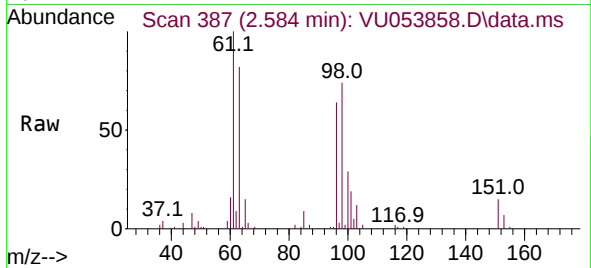




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.635 ug/L
RT: 2.584 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU053858.D
Acq: 24 Apr 2023 21:45

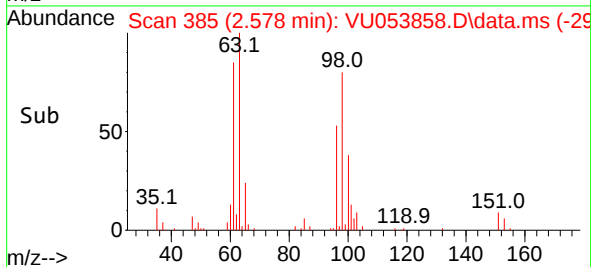
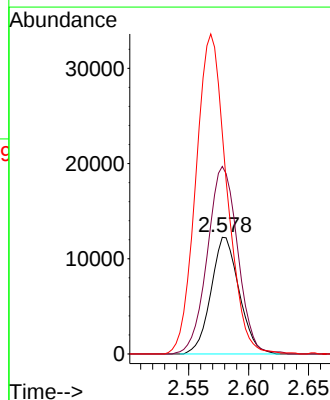
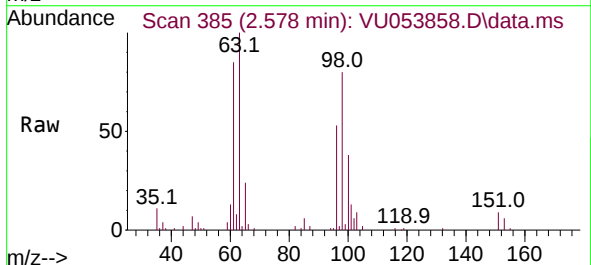
Instrument :
MSVOA_U
ClientSampleId :
BHE28

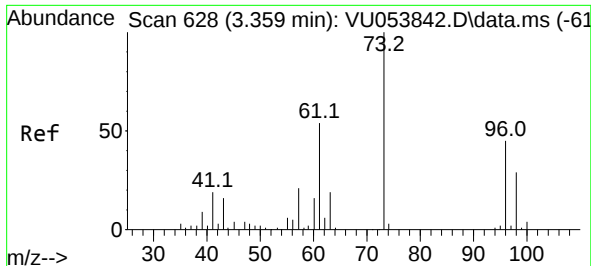
Tgt Ion:101 Resp: 6208
Ion Ratio Lower Upper
101 100
85 42.9 34.7 52.1
151 71.9 59.1 88.7



#12
1,1-Dichloroethene
Concen: 2.324 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053858.D
Acq: 24 Apr 2023 21:45

Tgt Ion: 96 Resp: 20026
Ion Ratio Lower Upper
96 100
61 160.7 111.5 207.1
63 189.4 68.7 127.7#





#17

Methyl tert-butyl Ether

Concen: 0.606 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU053858.D

Acq: 24 Apr 2023 21:45

Instrument :

MSVOA_U

ClientSampleId :

BHE28

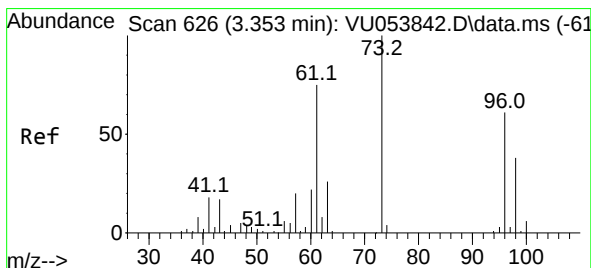
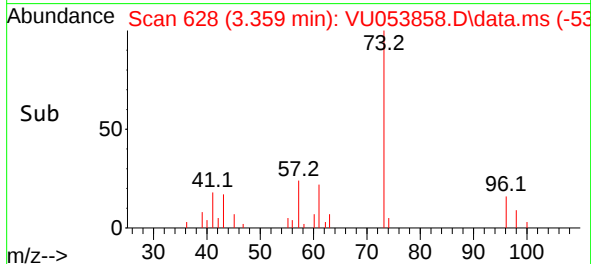
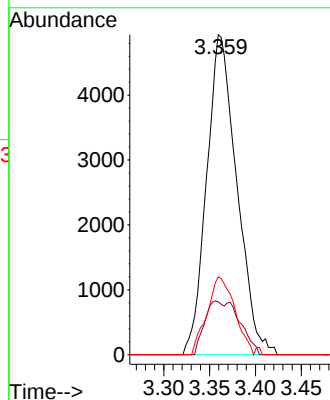
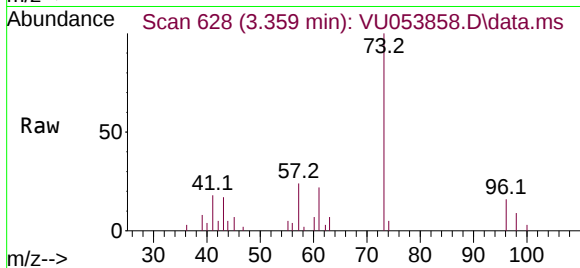
Tgt Ion: 73 Resp: 11309

Ion Ratio Lower Upper

73 100

43 10.7 13.4 20.2#

57 22.3 17.2 25.8



#18

trans-1,2-Dichloroethene

Concen: 0.192 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU053858.D

Acq: 24 Apr 2023 21:45

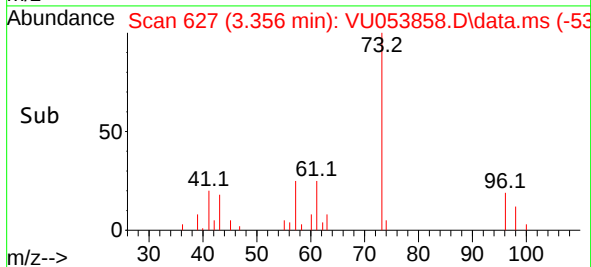
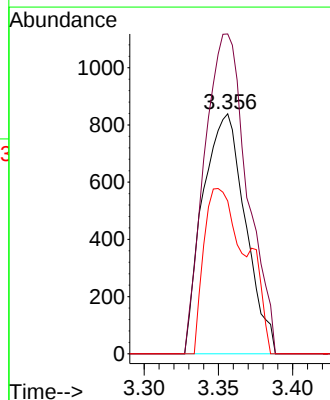
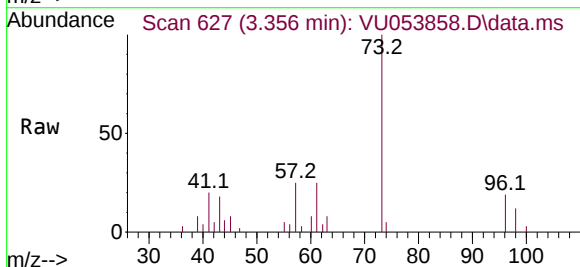
Tgt Ion: 96 Resp: 1670

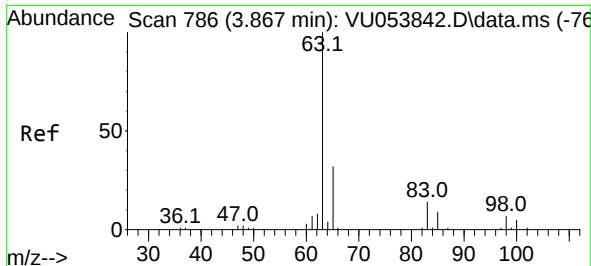
Ion Ratio Lower Upper

96 100

61 133.3 86.2 160.0

98 63.6 42.8 79.4





#19

1,1-Dichloroethane

Concen: 1.659 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU053858.D

Acq: 24 Apr 2023 21:45

Instrument :

MSVOA_U

ClientSampleId :

BHE28

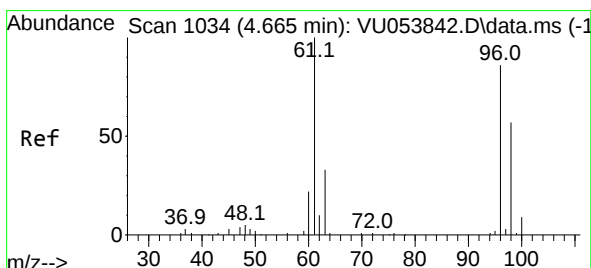
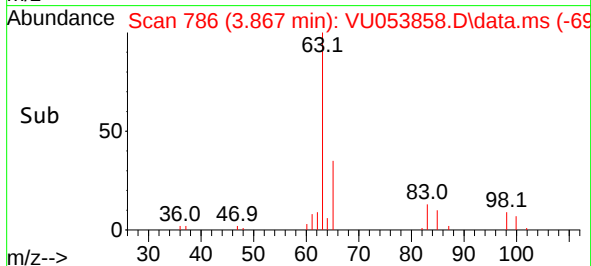
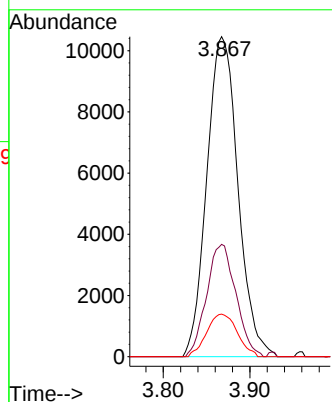
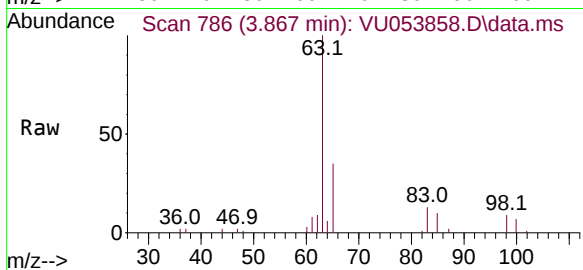
Tgt Ion: 63 Resp: 26131

Ion Ratio Lower Upper

63 100

65 35.1 22.0 40.8

83 13.3 10.3 19.1



#22

cis-1,2-Dichloroethene

Concen: 23.382 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VU053858.D

Acq: 24 Apr 2023 21:45

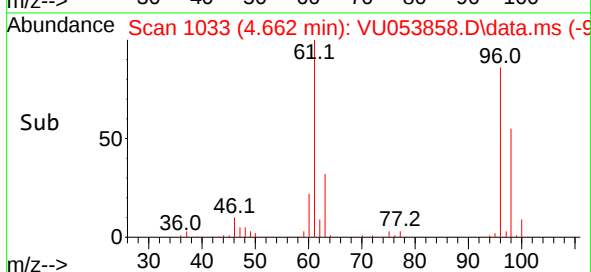
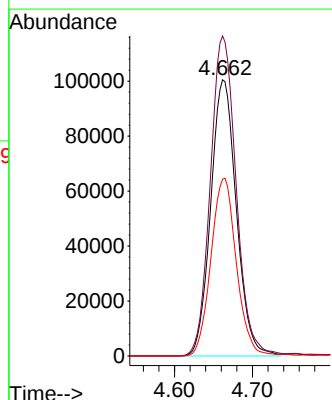
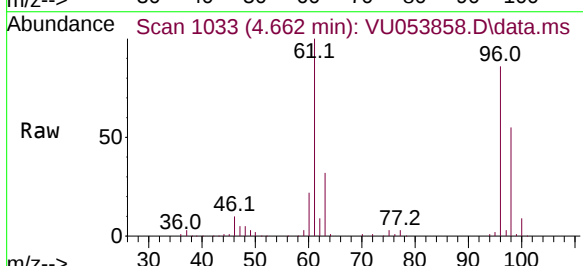
Tgt Ion: 96 Resp: 229639

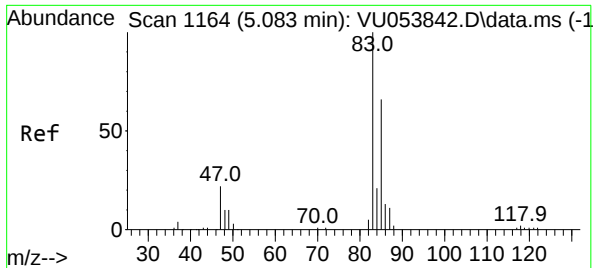
Ion Ratio Lower Upper

96 100

61 115.9 84.3 156.5

98 64.0 46.4 86.2





#25

Chloroform

Concen: 3.745 ug/L

RT: 5.086 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VU053858.D

Acq: 24 Apr 2023 21:45

Instrument :

MSVOA_U

ClientSampleId :

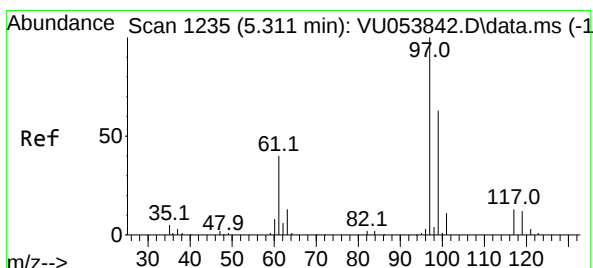
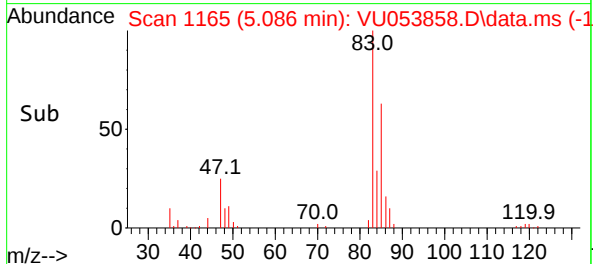
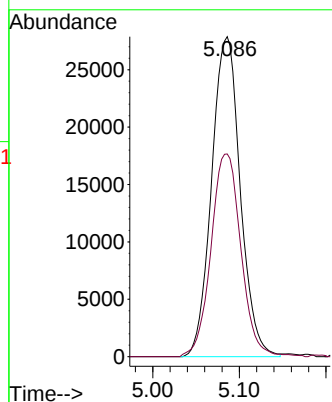
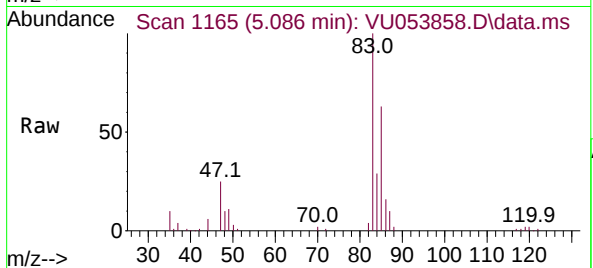
BHE28

Tgt Ion: 83 Resp: 64073

Ion Ratio Lower Upper

83 100

85 63.3 45.6 84.8



#29

1,1,1-Trichloroethane

Concen: 0.340 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053858.D

Acq: 24 Apr 2023 21:45

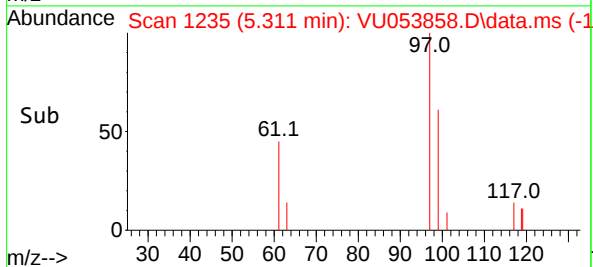
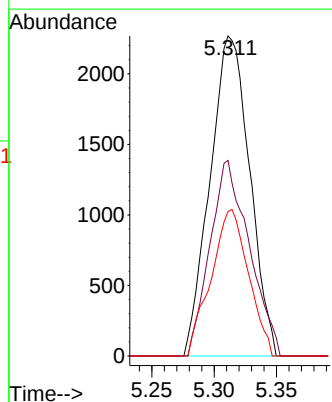
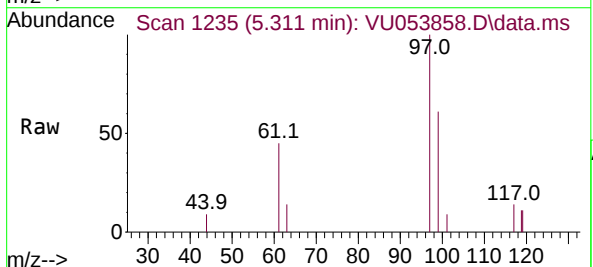
Tgt Ion: 97 Resp: 5023

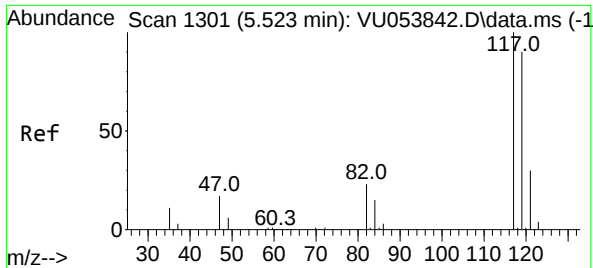
Ion Ratio Lower Upper

97 100

99 60.4 52.9 79.3

61 43.2 33.8 50.8

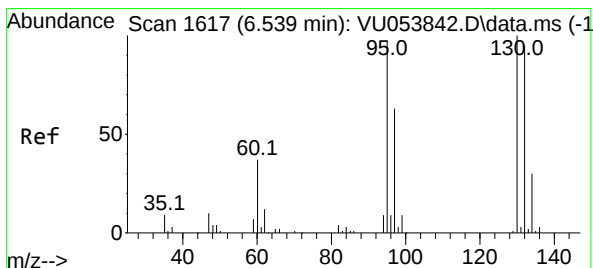
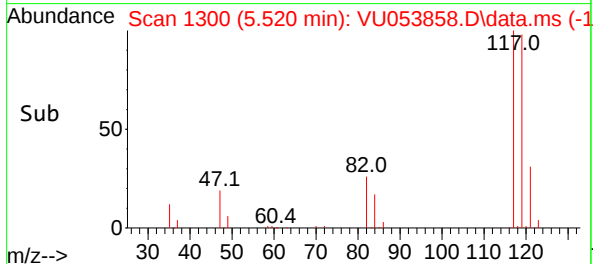
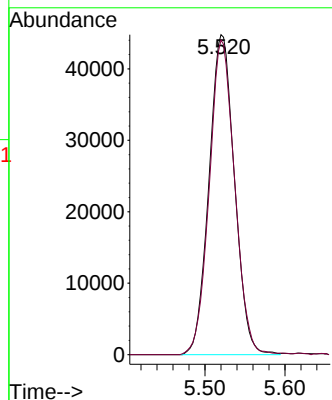
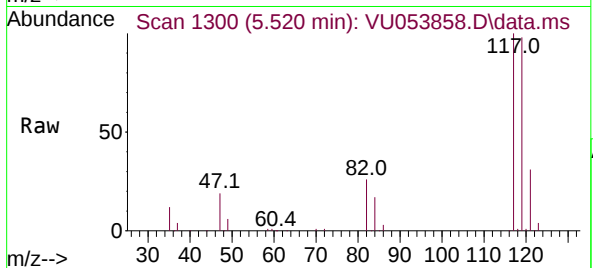




#31
Carbon tetrachloride
Concen: 7.725 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VU053858.D
Acq: 24 Apr 2023 21:45

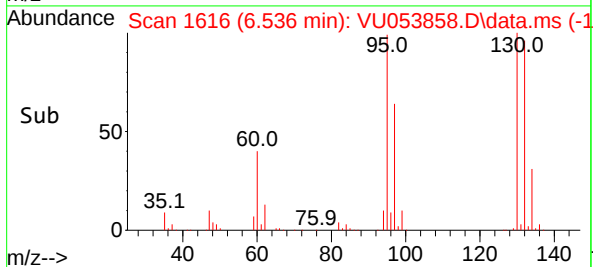
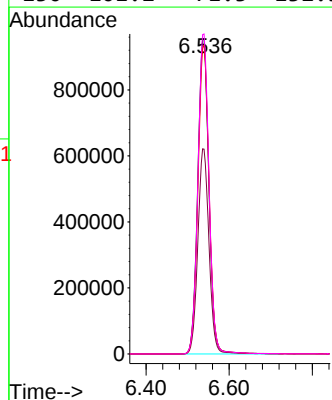
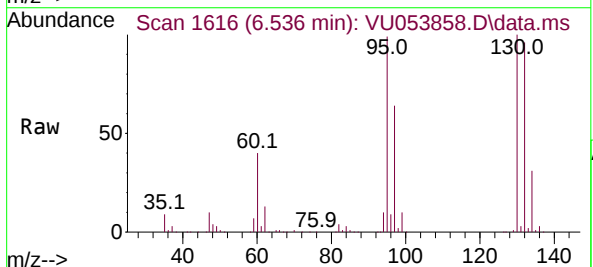
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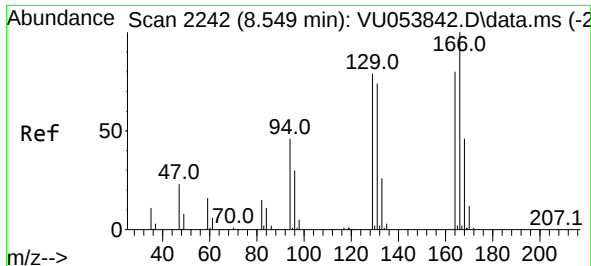
Tgt Ion:117 Resp: 99223
Ion Ratio Lower Upper
117 100
119 97.5 75.0 112.6



#34
Trichloroethene
Concen: 176.437 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053858.D
Acq: 24 Apr 2023 21:45

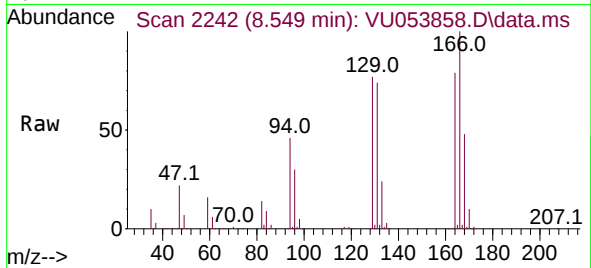
Tgt Ion: 95 Resp: 1781308
Ion Ratio Lower Upper
95 100
97 65.0 45.1 83.9
132 97.0 69.9 129.9
130 101.2 71.3 132.3



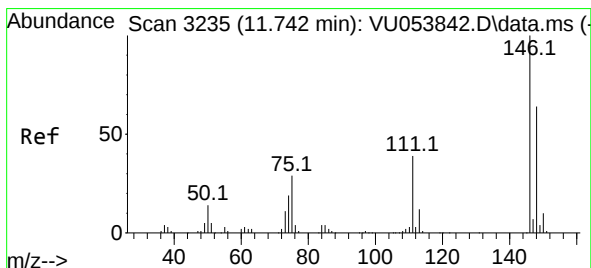
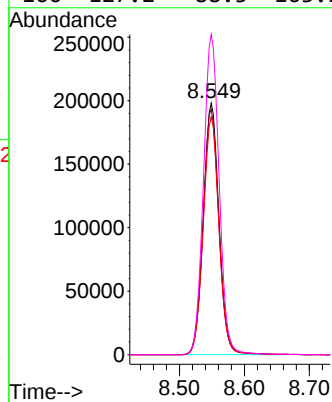
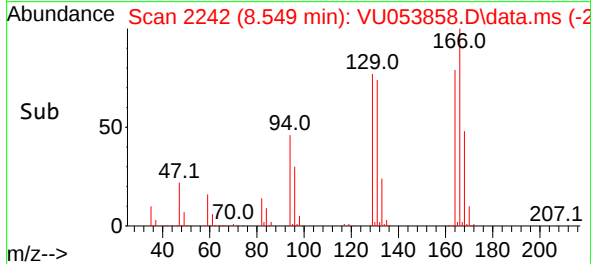


#47
Tetrachloroethene
Concen: 41.677 ug/L
RT: 8.549 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053858.D
Acq: 24 Apr 2023 21:45

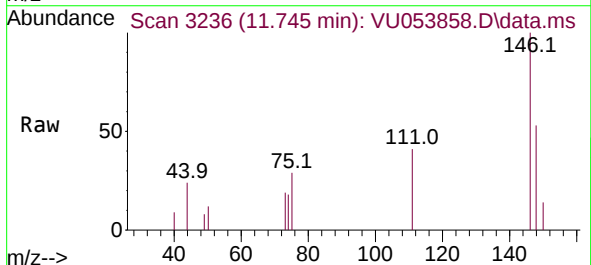
Instrument :
MSVOA_U
ClientSampleId :
BHE28



Tgt Ion:164 Resp: 333499
Ion Ratio Lower Upper
164 100
129 97.5 68.3 126.8
131 94.6 64.4 119.6
166 127.2 88.3 163.9



#64
1,3-Dichlorobenzene
Concen: 0.122 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU053858.D
Acq: 24 Apr 2023 21:45



Tgt Ion:146 Resp: 2363
Ion Ratio Lower Upper
146 100
111 40.5 27.9 51.9
148 53.2 43.7 81.1

