

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042823\
 Data File : VU053942.D
 Acq On : 27 Apr 2023 18:02
 Operator : JC/MD
 Sample : 02488-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE62

Quant Time: Apr 28 07:20:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 27 05:52:18 2023
 Response via : Initial Calibration

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

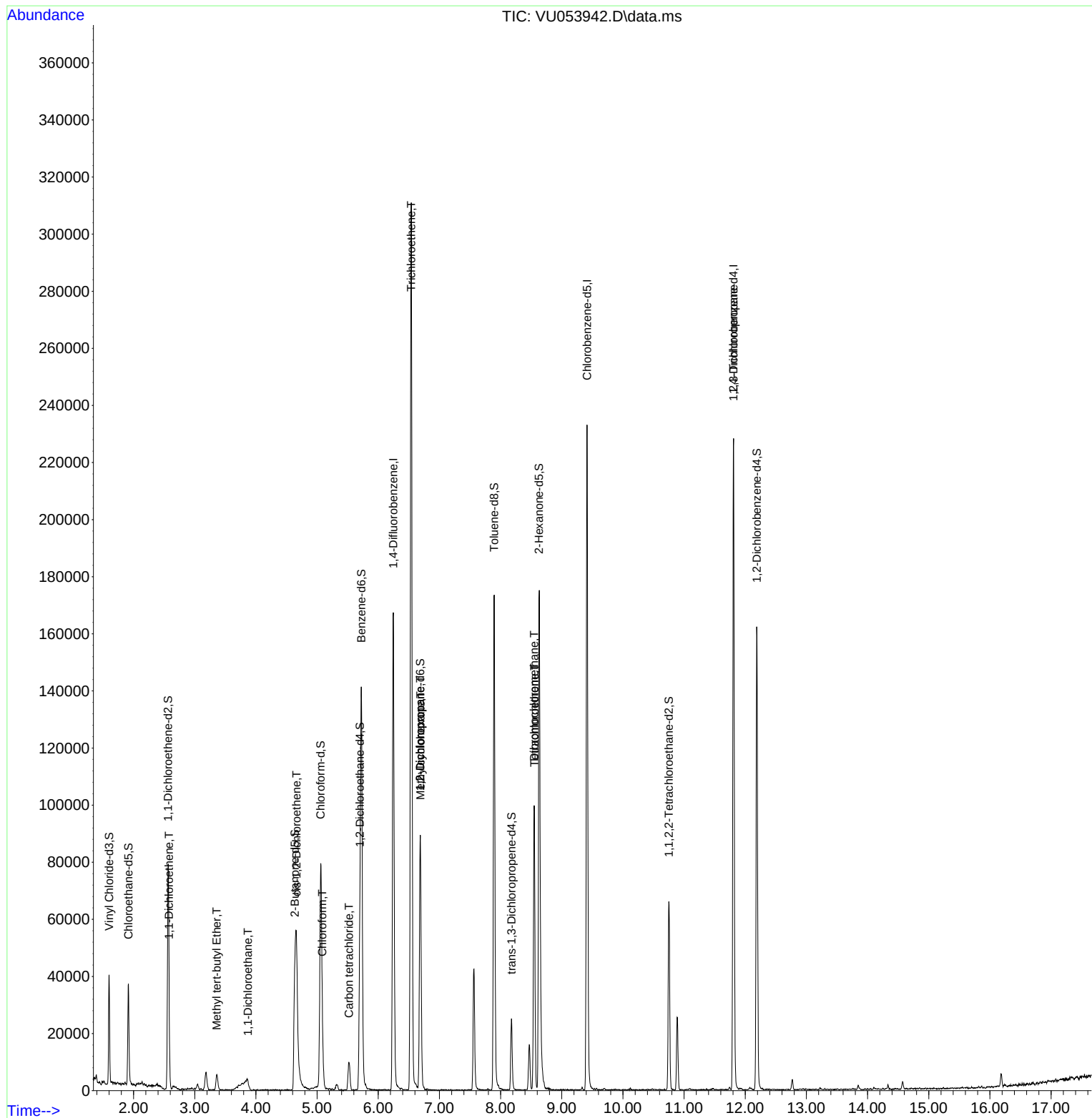
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	145435	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	137263	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	65631	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	29286	3.306	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.200%
7) Chloroethane-d5	1.916	69	27835	3.744	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.800%
11) 1,1-Dichloroethene-d2	2.565	65	13739	3.769	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.400%
20) 2-Butanone-d5	4.636	46	78365	48.300	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.600%
24) Chloroform-d	5.060	84	72520	4.344	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	5.700	65	34781	4.509	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
32) Benzene-d6	5.722	84	141472	4.375	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
36) 1,2-Dichloropropane-d6	6.687	67	44999	4.600	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.893	98	124490	4.125	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.600%
43) trans-1,3-Dichloroprop...	8.179	79	15669	4.073	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.400%
46) 2-Hexanone-d5	8.629	63	65378	48.017	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.040%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	35055	4.434	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.600%
66) 1,2-Dichlorobenzene-d4	12.188	152	45850	4.356	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.200%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.581	96	3776	0.413	ug/L #	1
17) Methyl tert-butyl Ether	3.359	73	6075	0.307	ug/L #	85
19) 1,1-Dichloroethane	3.867	63	2757	0.165	ug/L #	87
22) cis-1,2-Dichloroethene	4.665	96	16452	1.578	ug/L	95
25) Chloroform	5.086	83	11361	0.625	ug/L	99
31) Carbon tetrachloride	5.520	117	7526	0.561	ug/L	100
34) Trichloroethene	6.539	95	108212	10.264	ug/L	98
35) Methylcyclohexane	6.690	83	10799	0.663	ug/L #	21
37) 1,2-Dichloropropane	6.687	63	4905	0.511	ug/L #	87
47) Tetrachloroethene	8.552	164	22842	2.733	ug/L	95
49) Dibromochloromethane	8.549	129	21851	2.868	ug/L #	10
61) 1,2,3-Trichloropropane	11.806	75	7578	1.497	ug/L #	65

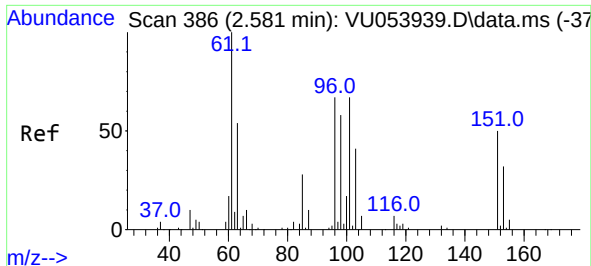
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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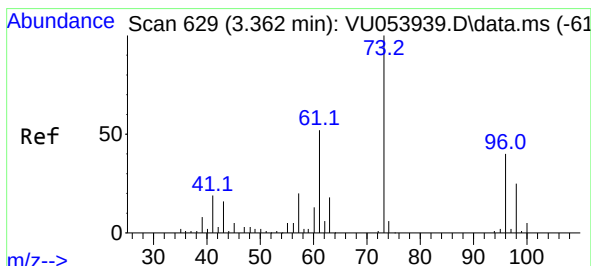
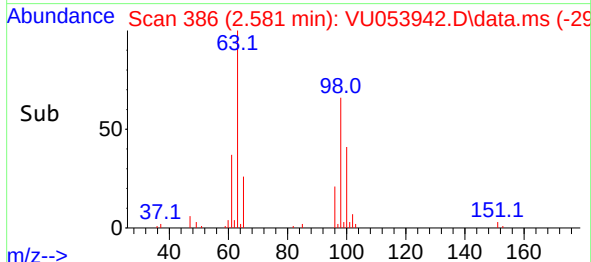
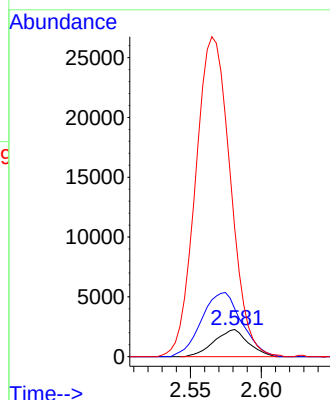
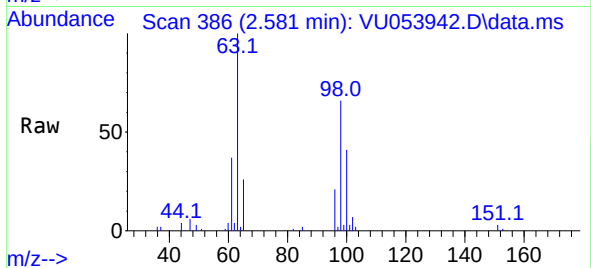




#12
1,1-Dichloroethene
Concen: 0.413 ug/L
RT: 2.581 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU053942.D
Acq: 27 Apr 2023 18:02

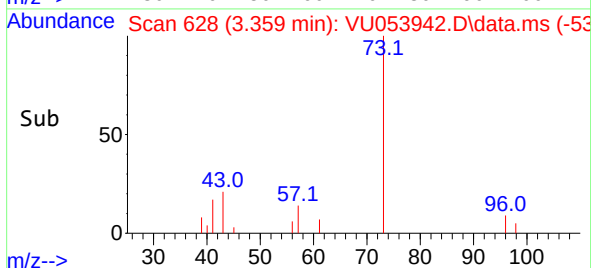
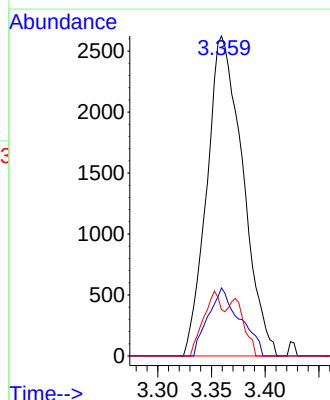
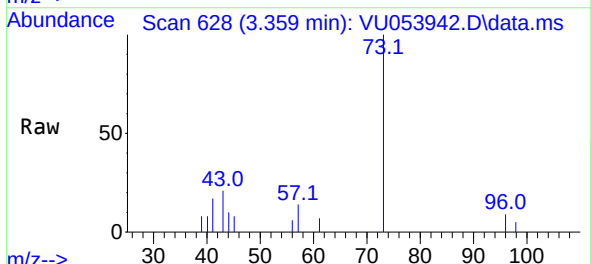
Instrument :
MSVOA_U
ClientSampleId :
BHE62

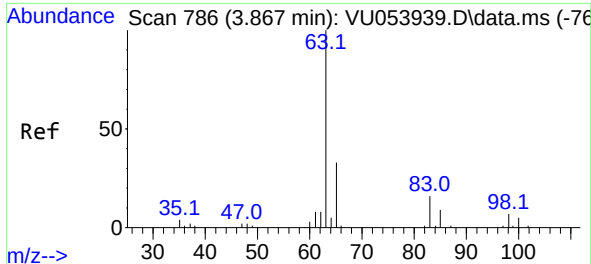
Tgt Ion: 96 Resp: 3776
Ion Ratio Lower Upper
96 100
61 176.9 111.5 207.1
63 476.0 68.7 127.7#



#17
Methyl tert-butyl Ether
Concen: 0.307 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU053942.D
Acq: 27 Apr 2023 18:02

Tgt Ion: 73 Resp: 6075
Ion Ratio Lower Upper
73 100
43 18.8 13.4 20.2
57 10.9 17.2 25.8#

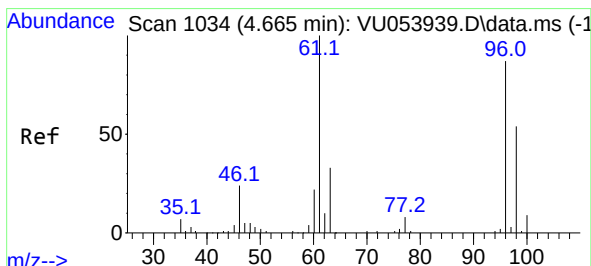
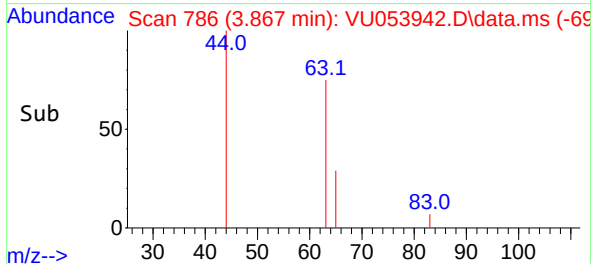
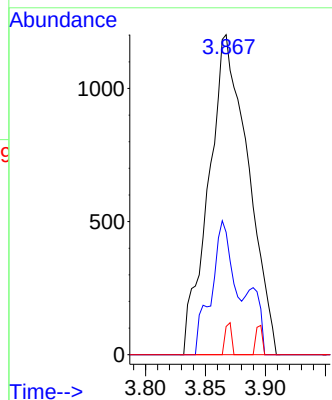
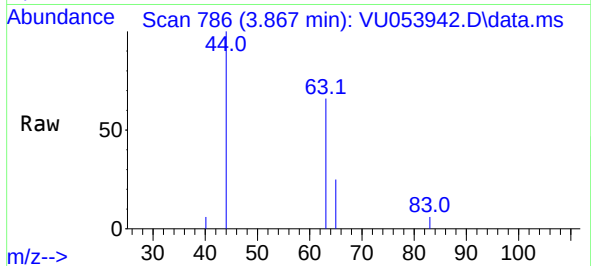




#19
1,1-Dichloroethane
Concen: 0.165 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU053942.D
Acq: 27 Apr 2023 18:02

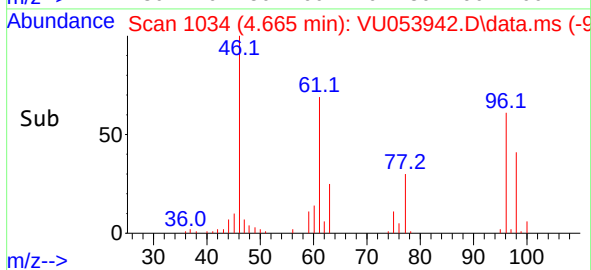
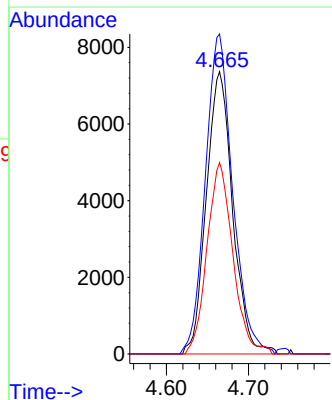
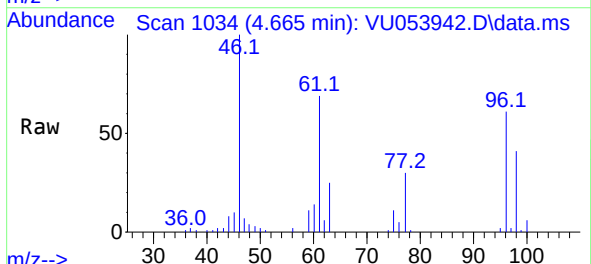
Instrument :
MSVOA_U
ClientSampleId :
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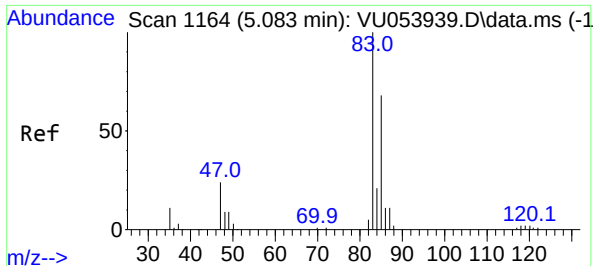
Tgt Ion: 63 Resp: 2757
Ion Ratio Lower Upper
63 100
65 38.3 22.0 40.8
83 8.8 10.3 19.1#



#22
cis-1,2-Dichloroethene
Concen: 1.578 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VU053942.D
Acq: 27 Apr 2023 18:02

Tgt Ion: 96 Resp: 16452
Ion Ratio Lower Upper
96 100
61 113.4 84.3 156.5
98 67.8 46.4 86.2

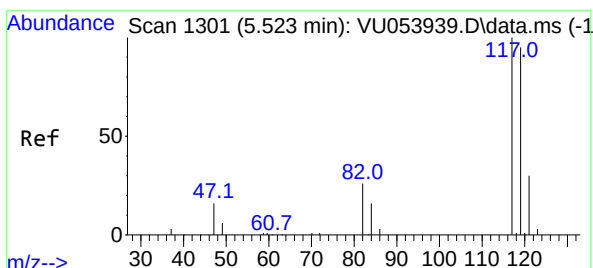
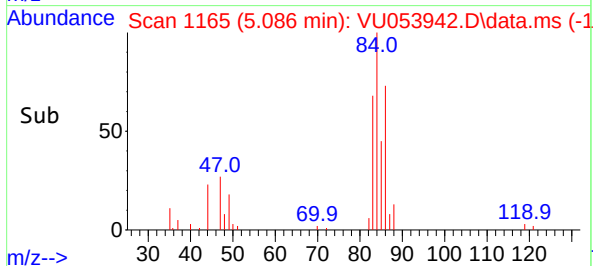
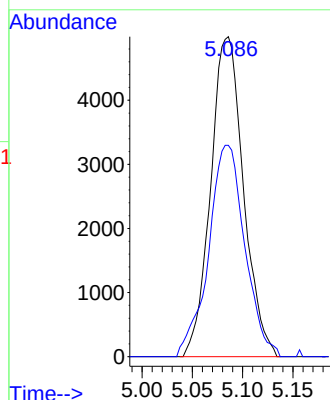
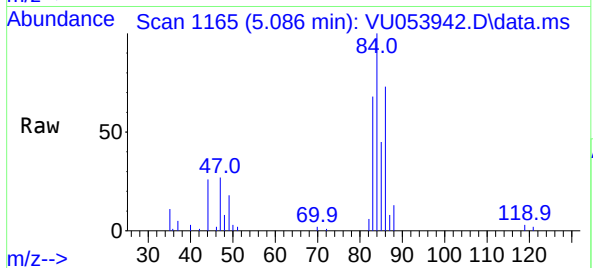




#25
Chloroform
Concen: 0.625 ug/L
RT: 5.086 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU053942.D
Acq: 27 Apr 2023 18:02

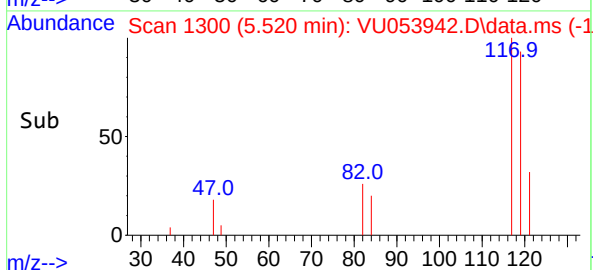
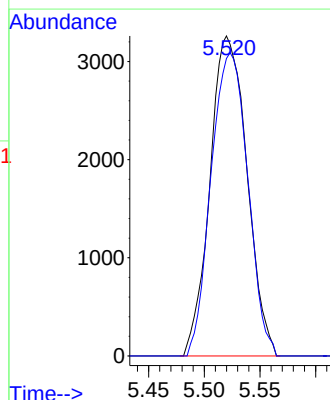
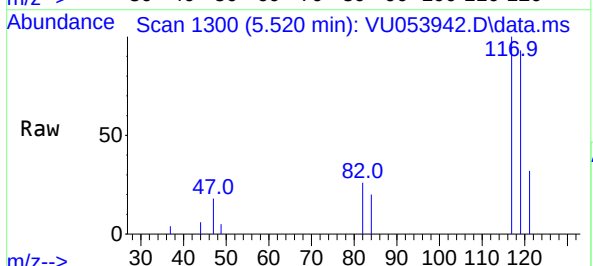
Instrument :
MSVOA_U
ClientSampleId :
BHE62

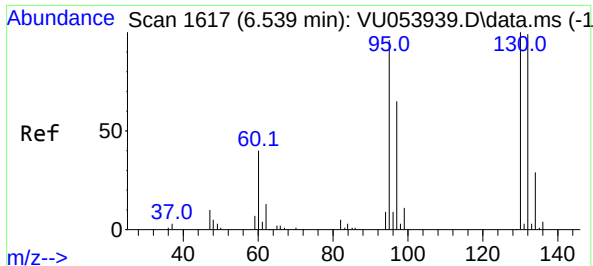
Tgt Ion: 83 Resp: 11361
Ion Ratio Lower Upper
83 100
85 66.0 45.6 84.8



#31
Carbon tetrachloride
Concen: 0.561 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU053942.D
Acq: 27 Apr 2023 18:02

Tgt Ion: 117 Resp: 7526
Ion Ratio Lower Upper
117 100
119 94.0 75.0 112.6

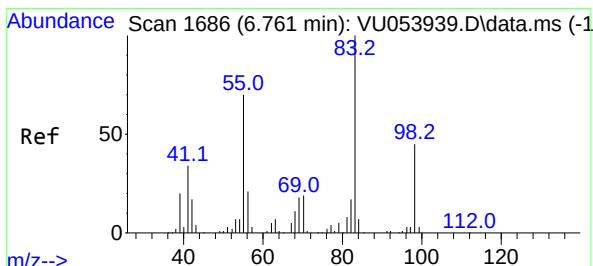
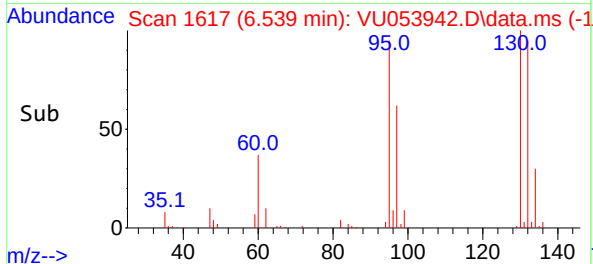
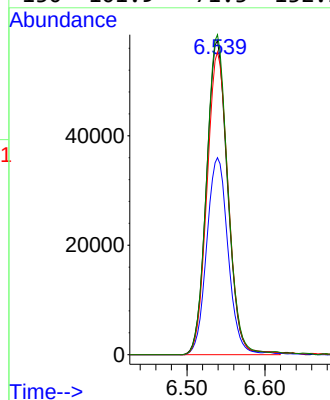
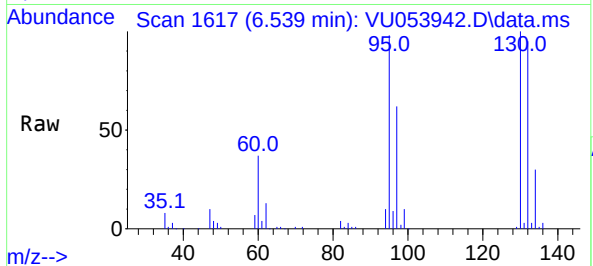




#34
Trichloroethene
Concen: 10.264 ug/L
RT: 6.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU053942.D
Acq: 27 Apr 2023 18:02

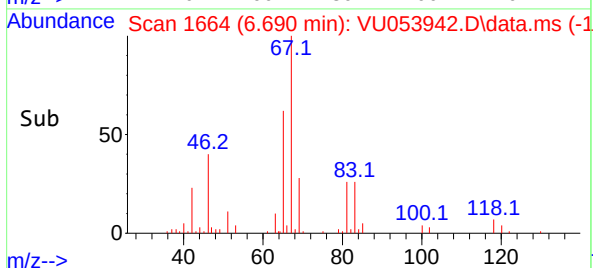
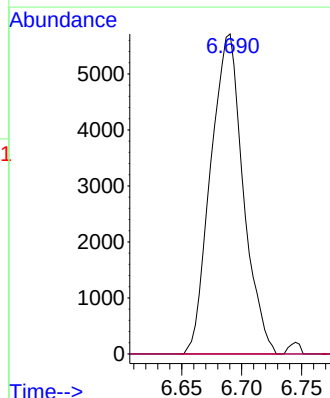
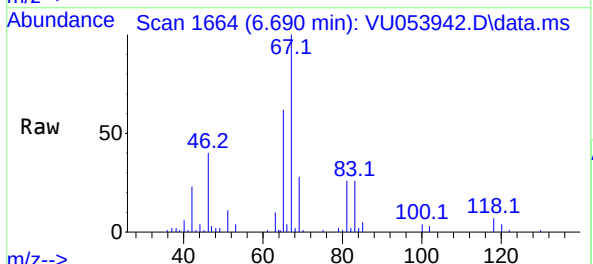
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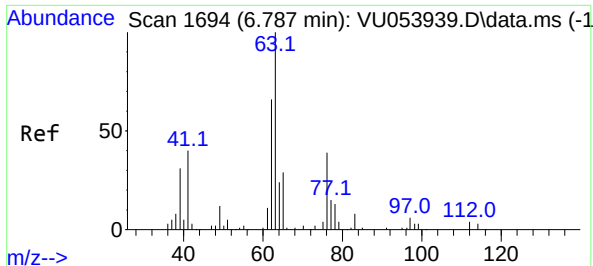
Tgt Ion: 95 Resp: 108212
Ion Ratio Lower Upper
95 100
97 62.7 45.1 83.9
132 96.3 69.9 129.9
130 101.9 71.3 132.3



#35
Methylcyclohexane
Concen: 0.663 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.068 min
Lab File: VU053942.D
Acq: 27 Apr 2023 18:02

Tgt Ion: 83 Resp: 10799
Ion Ratio Lower Upper
83 100
55 0.0 55.4 83.2#
98 0.0 37.3 55.9#

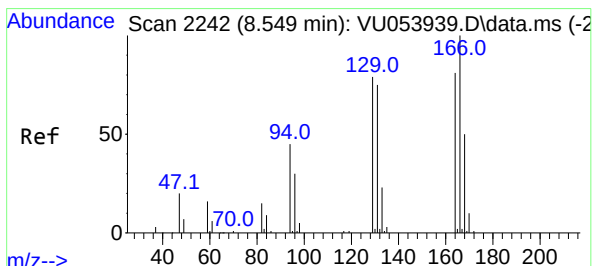
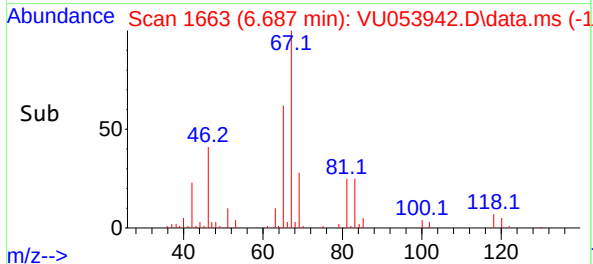
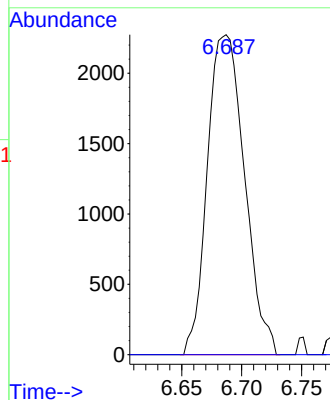
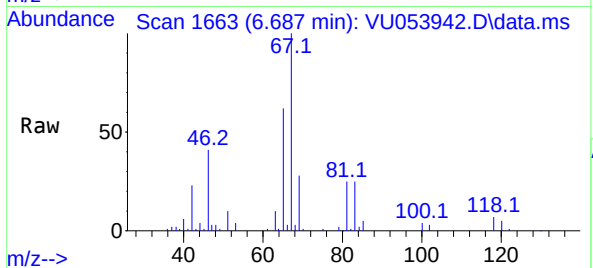




#37
1,2-Dichloropropane
Concen: 0.511 ug/L
RT: 6.687 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU053942.D
Acq: 27 Apr 2023 18:02

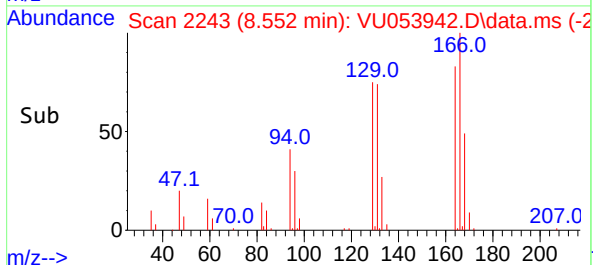
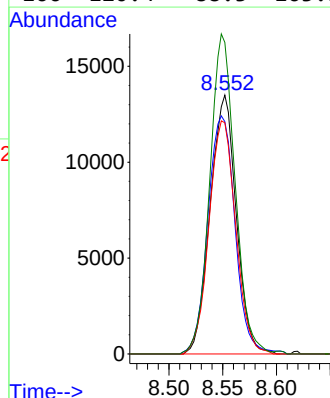
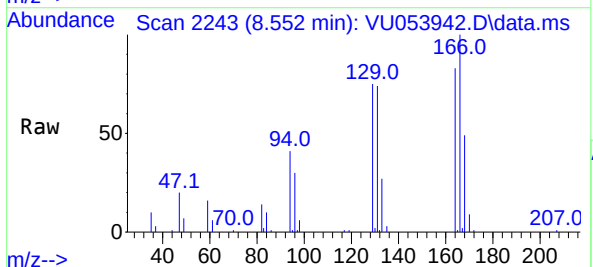
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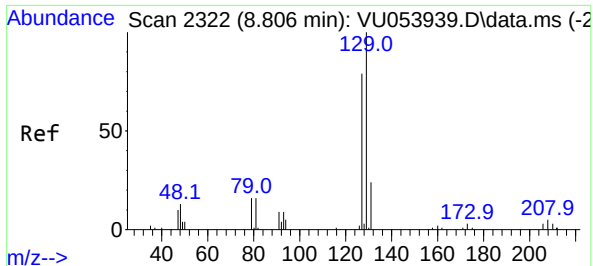
Tgt Ion: 63 Resp: 4905
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



#47
Tetrachloroethene
Concen: 2.733 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU053942.D
Acq: 27 Apr 2023 18:02

Tgt Ion: 164 Resp: 22842
Ion Ratio Lower Upper
164 100
129 89.8 68.3 126.8
131 89.3 64.4 119.6
166 120.4 88.3 163.9





#49

Dibromochloromethane

Concen: 2.868 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU053942.D

Acq: 27 Apr 2023 18:02

Instrument :

MSVOA_U

ClientSampleId :

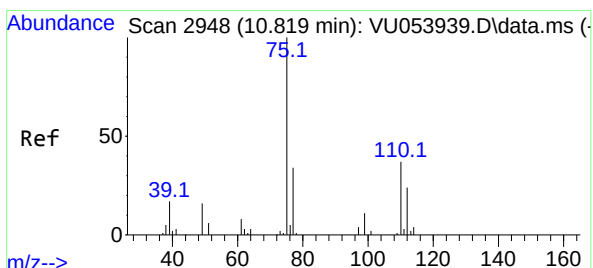
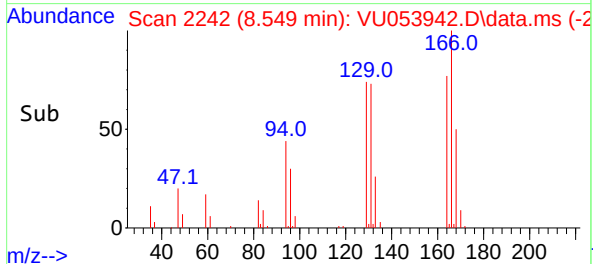
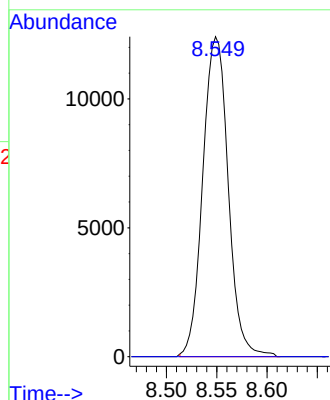
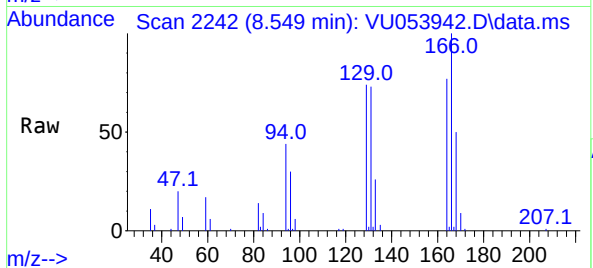
BHE62

Tgt Ion:129 Resp: 21851

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#61

1,2,3-Trichloropropane

Concen: 1.497 ug/L

RT: 11.806 min Scan# 3255

Delta R.T. 0.987 min

Lab File: VU053942.D

Acq: 27 Apr 2023 18:02

Tgt Ion: 75 Resp: 7578

Ion Ratio Lower Upper

75 100

110 2.3 30.7 46.1#

77 28.9 26.2 39.4

