

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042823\
 Data File : VU053941.D
 Acq On : 27 Apr 2023 17:38
 Operator : JC/MD
 Sample : 02488-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE60

Quant Time: Apr 28 07:20:31 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)

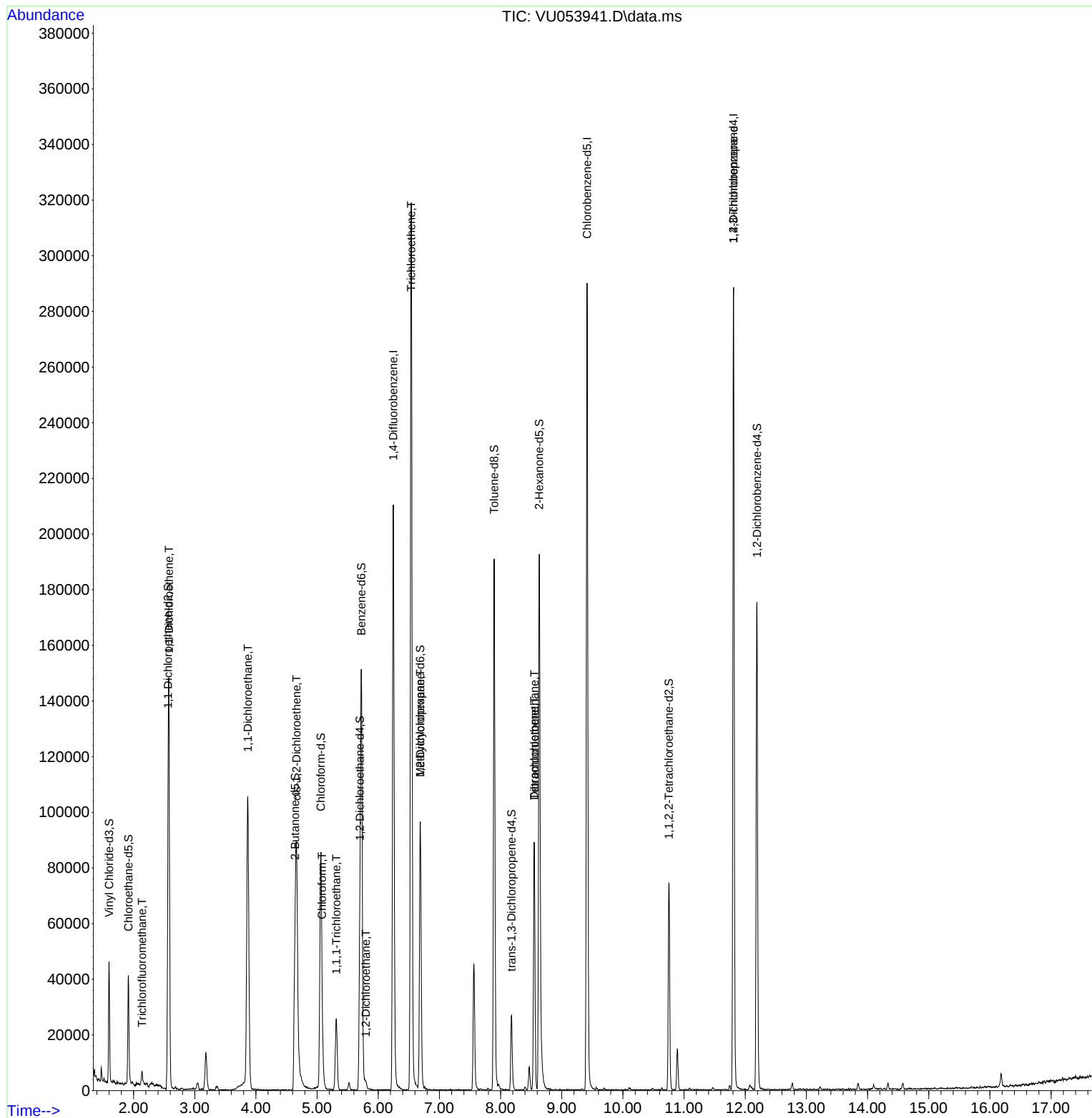
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	183655	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	172424	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	81754	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	30847	2.757	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.200%
7) Chloroethane-d5	1.916	69	30168	3.213	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	64.200%#
11) 1,1-Dichloroethene-d2	2.565	65	15701	3.411	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.200%
20) 2-Butanone-d5	4.642	46	89027	43.452	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.900%
24) Chloroform-d	5.060	84	77775	3.690	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.800%
26) 1,2-Dichloroethane-d4	5.700	65	37499	3.849	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.000%
32) Benzene-d6	5.726	84	151384	3.727	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.600%
36) 1,2-Dichloropropane-d6	6.687	67	49099	3.996	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.000%
41) Toluene-d8	7.896	98	135052	3.563	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.200%
43) trans-1,3-Dichloroprop...	8.179	79	17064	3.531	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.600%
46) 2-Hexanone-d5	8.632	63	71201	41.630	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.260%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	36859	3.712	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	74.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	50095	3.820	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.400%#
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.137	101	3168	0.141	ug/L	95
12) 1,1-Dichloroethene	2.578	96	34977	3.028	ug/L	91
19) 1,1-Dichloroethane	3.867	63	123482	5.845	ug/L	100
22) cis-1,2-Dichloroethene	4.665	96	35389	2.687	ug/L	96
25) Chloroform	5.079	83	10776	0.470	ug/L	99
27) 1,2-Dichloroethane	5.796	62	2044	0.155	ug/L #	71
29) 1,1,1-Trichloroethane	5.314	97	18655	0.962	ug/L	99
34) Trichloroethene	6.539	95	110243	8.324	ug/L	98
35) Methylcyclohexane	6.687	83	11600	0.567	ug/L #	21
47) Tetrachloroethene	8.552	164	20133	1.918	ug/L	98
49) Dibromochloromethane	8.552	129	19664	2.055	ug/L #	10
61) 1,2,3-Trichloropropane	11.809	75	9246	1.467	ug/L #	66

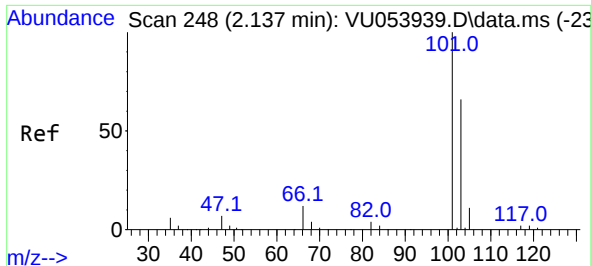
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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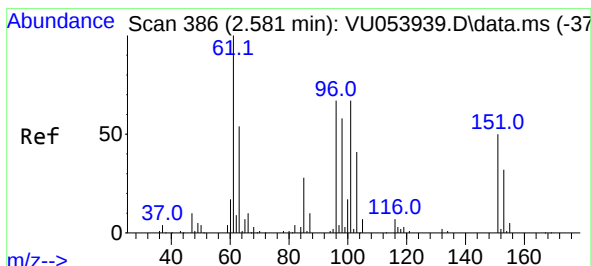
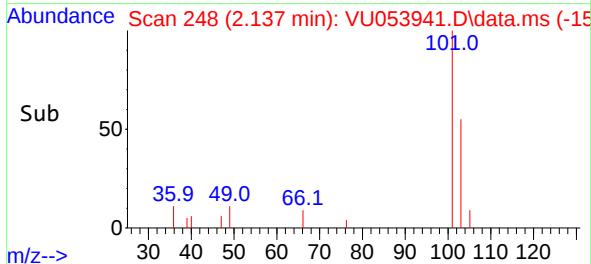
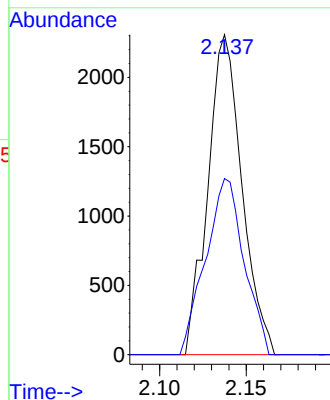
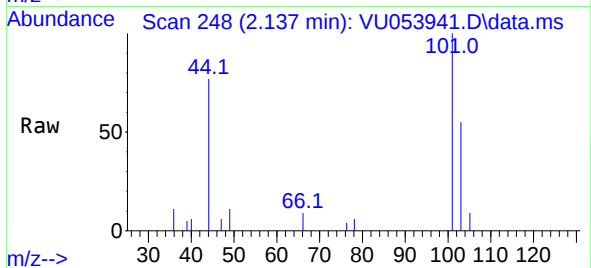




#9
 Trichlorofluoromethane
 Concen: 0.141 ug/L
 RT: 2.137 min Scan# 248
 Delta R.T. -0.003 min
 Lab File: VU053941.D
 Acq: 27 Apr 2023 17:38

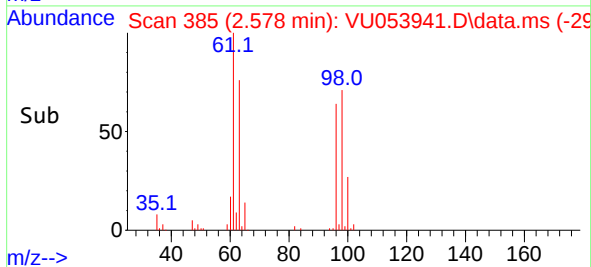
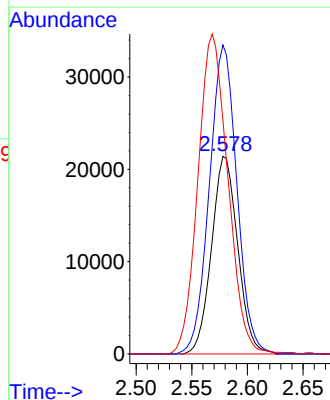
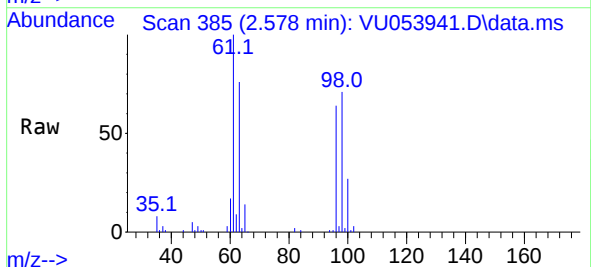
Instrument :
 MSVOA_U
 ClientSampleId :
 BHE60

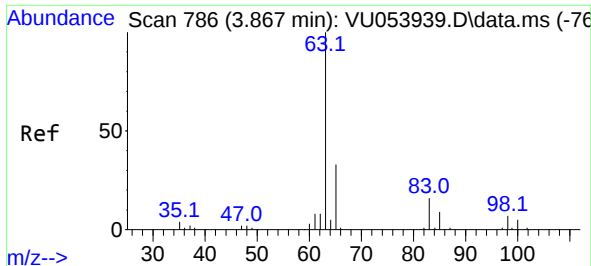
Tgt Ion:101 Resp: 3168
 Ion Ratio Lower Upper
 101 100
 103 61.9 52.6 78.8



#12
 1,1-Dichloroethene
 Concen: 3.028 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053941.D
 Acq: 27 Apr 2023 17:38

Tgt Ion: 96 Resp: 34977
 Ion Ratio Lower Upper
 96 100
 61 156.3 111.5 207.1
 63 118.3 68.7 127.7

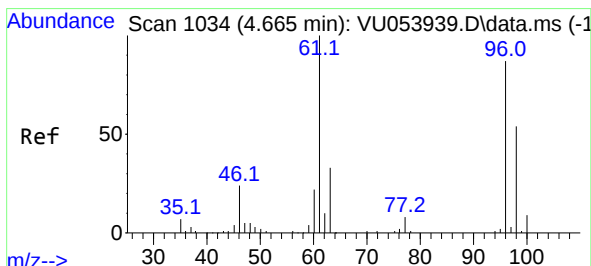
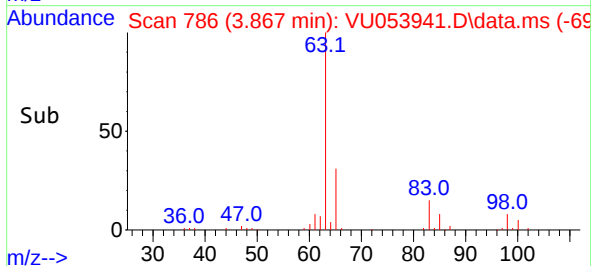
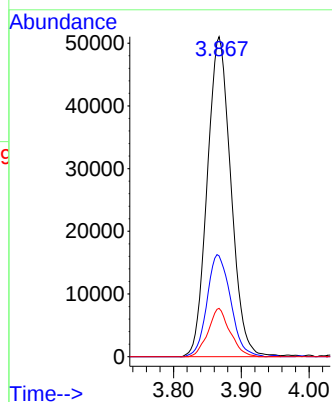
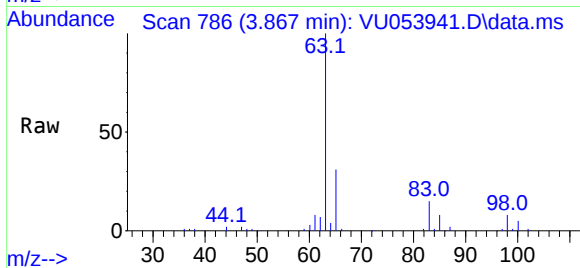




#19
1,1-Dichloroethane
Concen: 5.845 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU053941.D
Acq: 27 Apr 2023 17:38

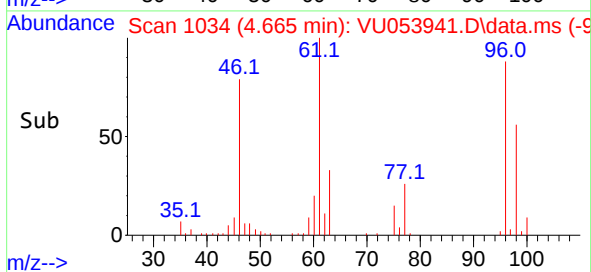
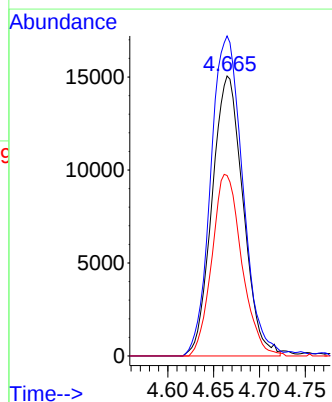
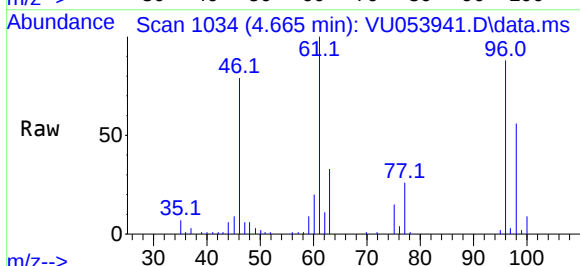
Instrument :
MSVOA_U
ClientSampleId :
BHE60

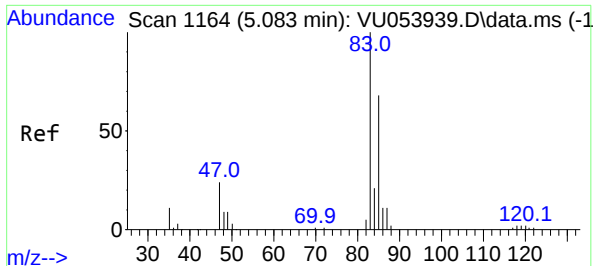
Tgt Ion: 63 Resp: 123482
Ion Ratio Lower Upper
63 100
65 31.5 22.0 40.8
83 15.1 10.3 19.1



#22
cis-1,2-Dichloroethene
Concen: 2.687 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VU053941.D
Acq: 27 Apr 2023 17:38

Tgt Ion: 96 Resp: 35389
Ion Ratio Lower Upper
96 100
61 114.3 84.3 156.5
98 64.4 46.4 86.2





#25

Chloroform

Concen: 0.470 ug/L

RT: 5.079 min Scan# 1163

Delta R.T. -0.006 min

Lab File: VU053941.D

Acq: 27 Apr 2023 17:38

Instrument :

MSVOA_U

ClientSampleId :

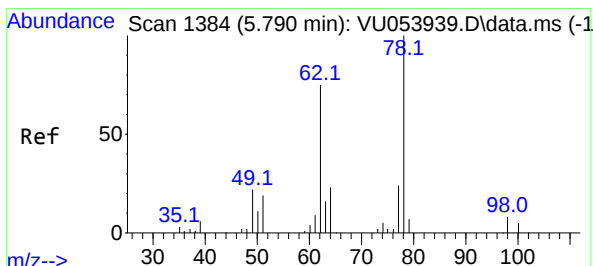
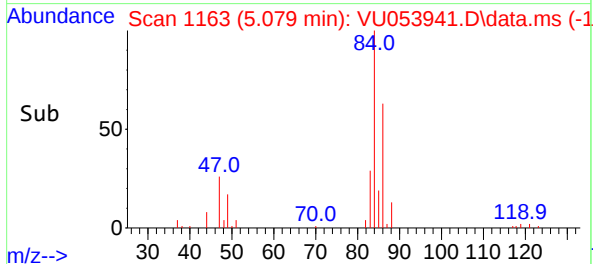
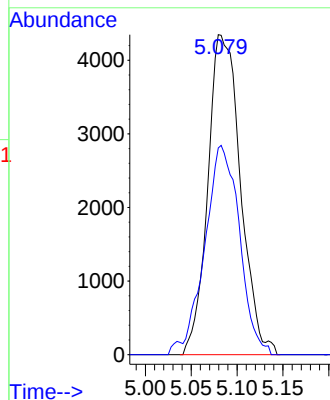
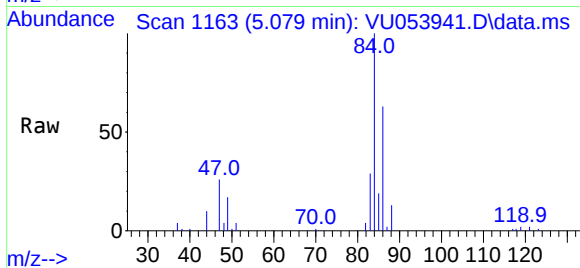
BHE60

Tgt Ion: 83 Resp: 10776

Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.8



#27

1,2-Dichloroethane

Concen: 0.155 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VU053941.D

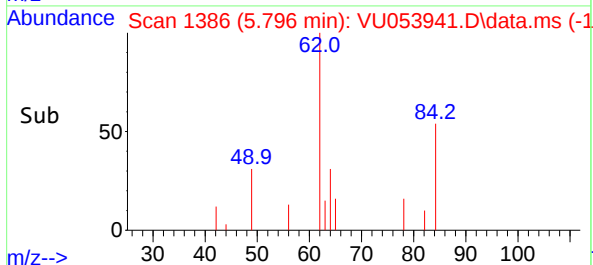
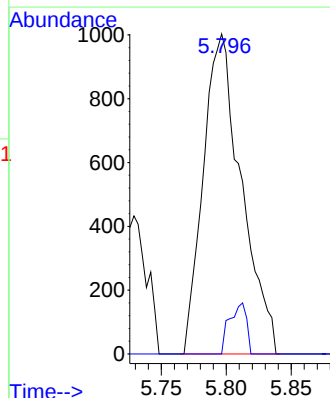
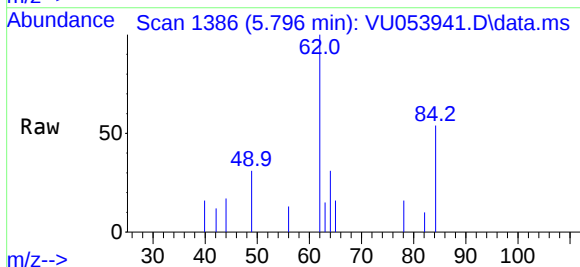
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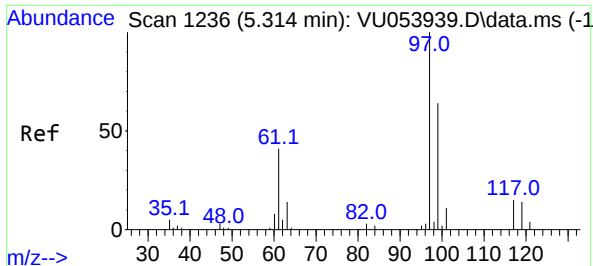
Tgt Ion: 62 Resp: 2044

Ion Ratio Lower Upper

62 100

98 0.0 8.7 13.1#

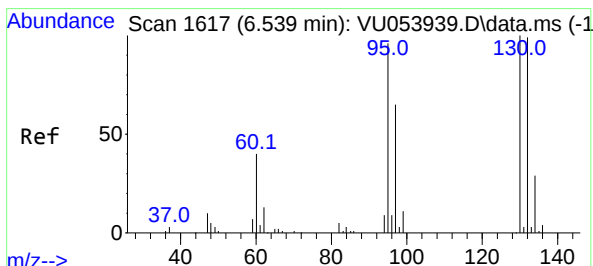
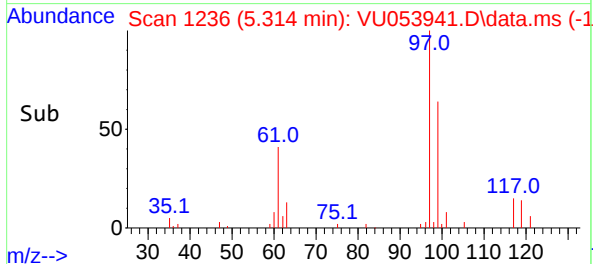
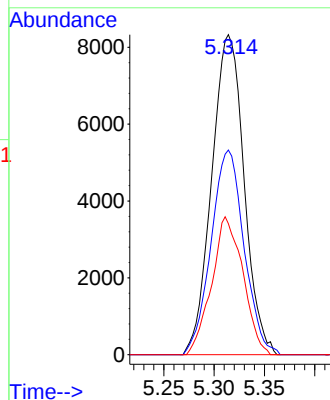
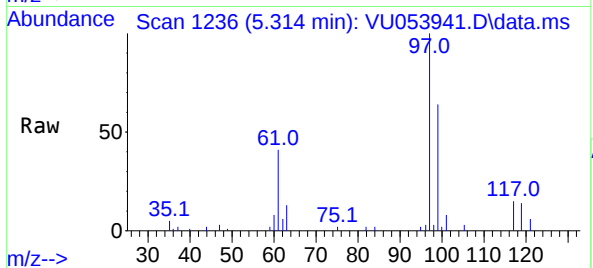




#29
1,1,1-Trichloroethane
Concen: 0.962 ug/L
RT: 5.314 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053941.D
Acq: 27 Apr 2023 17:38

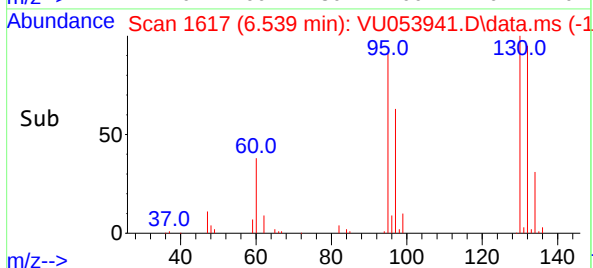
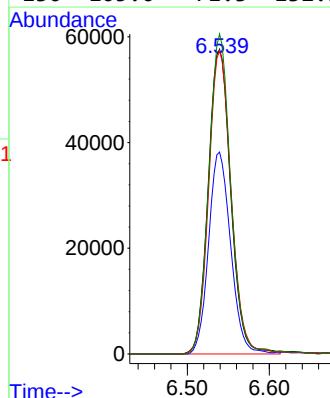
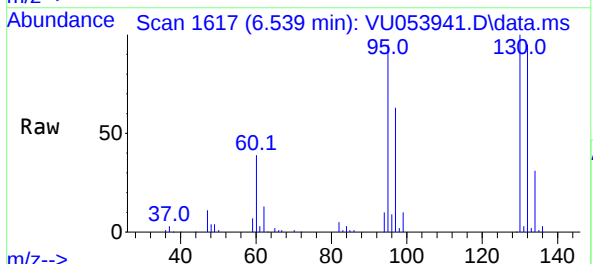
Instrument :
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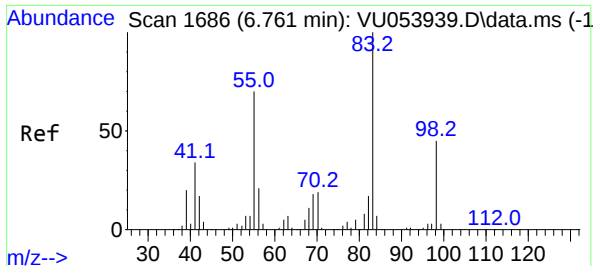
Tgt Ion:	97	Resp:	18655
Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.9	79.3
61	41.7	33.8	50.8



#34
Trichloroethene
Concen: 8.324 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU053941.D
Acq: 27 Apr 2023 17:38

Tgt Ion:	95	Resp:	110243
Ion	Ratio	Lower	Upper
95	100		
97	66.2	45.1	83.9
132	99.4	69.9	129.9
130	105.0	71.3	132.3





#35

Methylcyclohexane

Concen: 0.567 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU053941.D

Acq: 27 Apr 2023 17:38

Instrument :

MSVOA_U

ClientSampleId :

BHE60

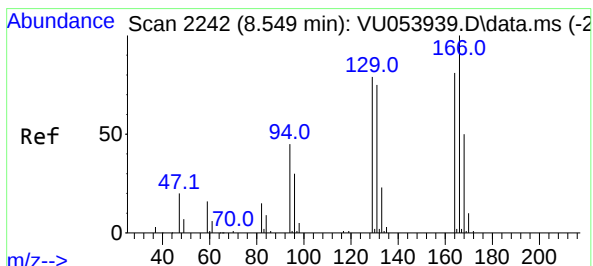
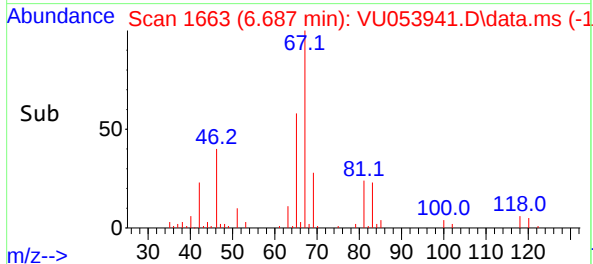
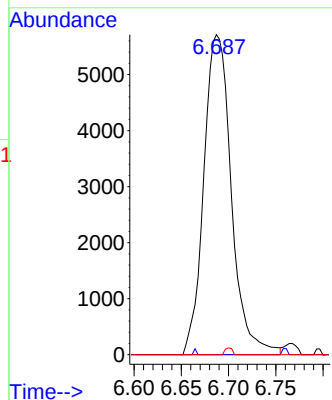
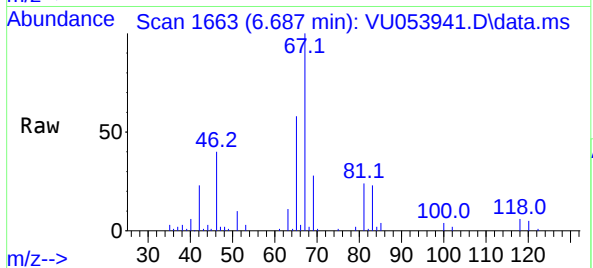
Tgt Ion: 83 Resp: 11600

Ion Ratio Lower Upper

83 100

55 0.2 55.4 83.2#

98 0.0 37.3 55.9#



#47

Tetrachloroethene

Concen: 1.918 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.003 min

Lab File: VU053941.D

Acq: 27 Apr 2023 17:38

Tgt Ion:164 Resp: 20133

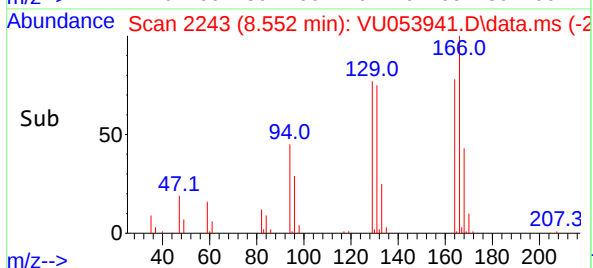
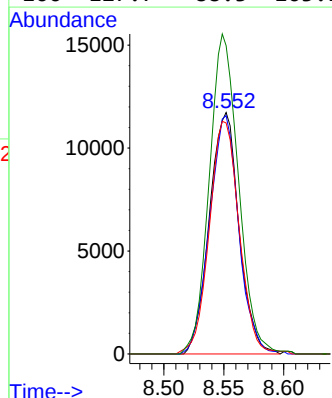
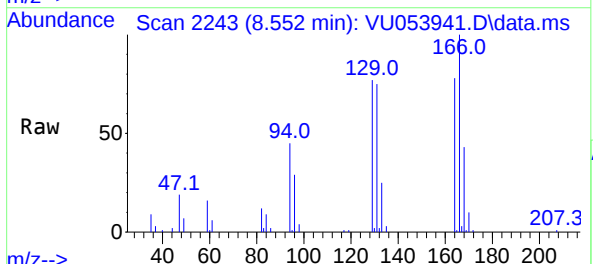
Ion Ratio Lower Upper

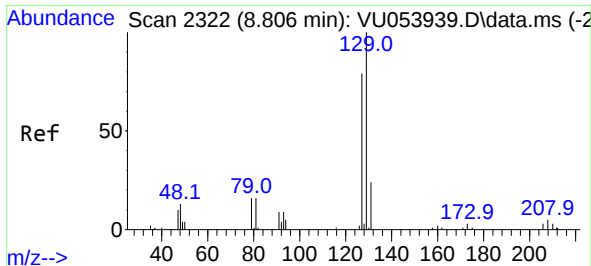
164 100

129 98.8 68.3 126.8

131 95.7 64.4 119.6

166 127.7 88.3 163.9

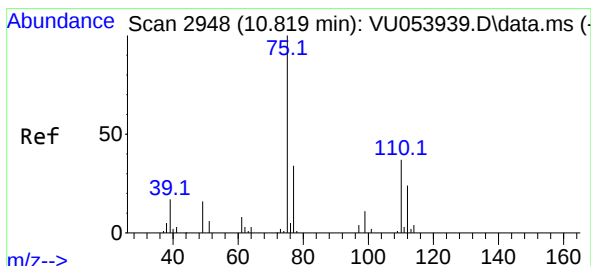
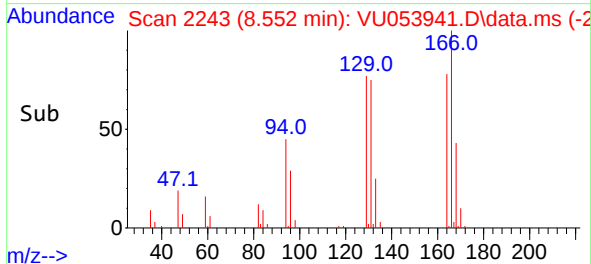
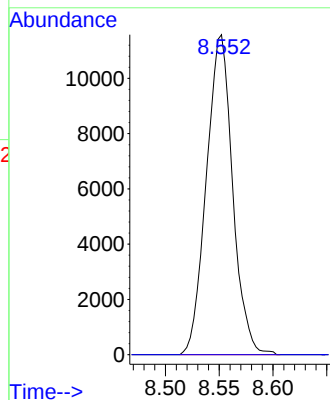
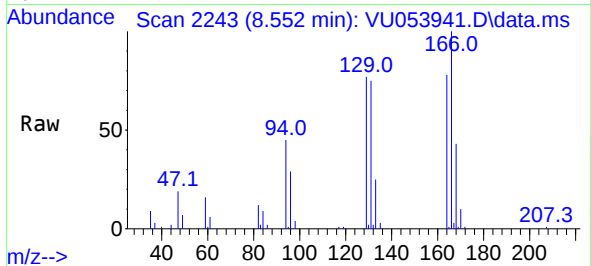




#49
Dibromochloromethane
Concen: 2.055 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.254 min
Lab File: VU053941.D
Acq: 27 Apr 2023 17:38

Instrument :
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BHE60

Tgt Ion:129 Resp: 19664
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#



#61
1,2,3-Trichloropropane
Concen: 1.467 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.990 min
Lab File: VU053941.D
Acq: 27 Apr 2023 17:38

Tgt Ion: 75 Resp: 9246
Ion Ratio Lower Upper
75 100
110 1.3 30.7 46.1#
77 33.6 26.2 39.4

