

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070323\
 Data File : VU054742.D
 Acq On : 03 Jul 2023 12:21
 Operator : MD/SY
 Sample : 03495-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FA8

Quant Time: Jul 05 04:41:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 05 04:39:25 2023
 Response via : Initial Calibration

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

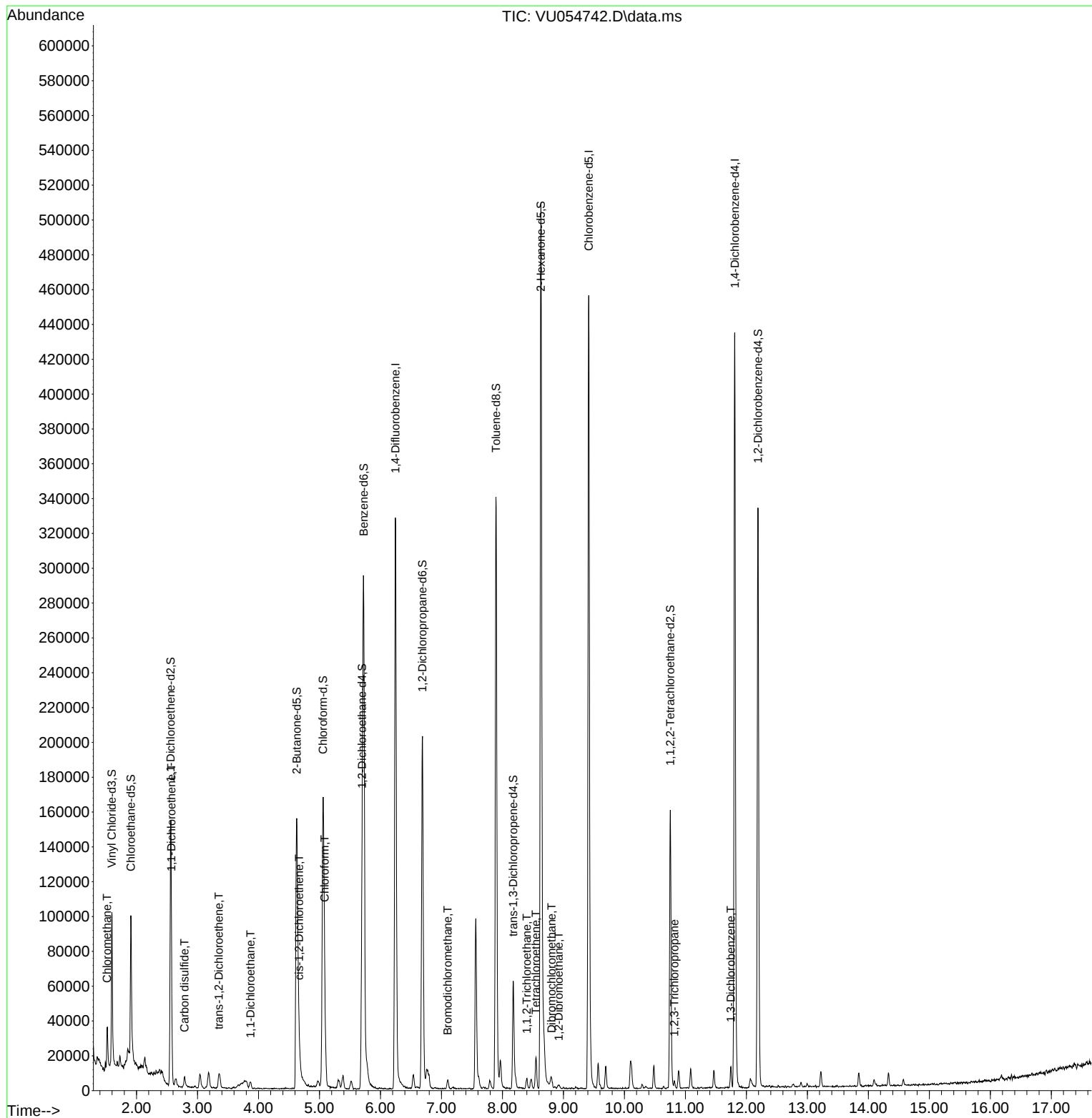
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	258809	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	255520	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	117336	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	68074	4.133	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.600%
7) Chloroethane-d5	1.907	69	63687	4.130	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.600%
11) 1,1-Dichloroethene-d2	2.560	65	28591	3.887	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.800%
20) 2-Butanone-d5	4.627	46	247547	53.455	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.920%
24) Chloroform-d	5.058	84	148569	4.315	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
26) 1,2-Dichloroethane-d4	5.698	65	78568	4.681	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	5.724	84	274732	3.868	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.400%
36) 1,2-Dichloropropane-d6	6.688	67	98498	4.152	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.894	98	229909	3.647	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.000%
43) trans-1,3-Dichloroprop...	8.177	79	35935	4.356	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.200%
46) 2-Hexanone-d5	8.630	63	170526	49.275	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.540%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	81647	4.616	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	89386	4.516	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	18302	0.659	ug/L	98
12) 1,1-Dichloroethene	2.573	96	3088	0.165	ug/L #	1
14) Carbon disulfide	2.788	76	7119	0.128	ug/L #	90
18) trans-1,2-Dichloroethene	3.351	96	2414	0.125	ug/L	85
19) 1,1-Dichloroethane	3.869	63	4343	0.108	ug/L #	81
22) cis-1,2-Dichloroethene	4.666	96	2578	0.117	ug/L	98
25) Chloroform	5.084	83	37635	0.952	ug/L	99
38) Bromodichloromethane	7.103	83	3907	0.139	ug/L	82
45) 1,1,2-Trichloroethane	8.402	97	1660	0.105	ug/L	97
47) Tetrachloroethene	8.547	164	3862	0.208	ug/L	78
49) Dibromochloromethane	8.804	129	2152	0.130	ug/L	84
50) 1,2-Dibromoethane	8.923	107	1532	0.106	ug/L #	96
61) 1,2,3-Trichloropropane	10.817	75	1912	0.161	ug/L #	88
64) 1,3-Dichlorobenzene	11.746	146	4813	0.120	ug/L	99

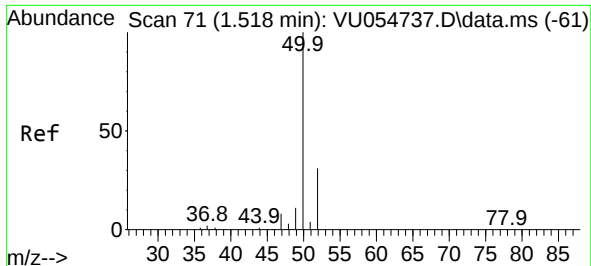
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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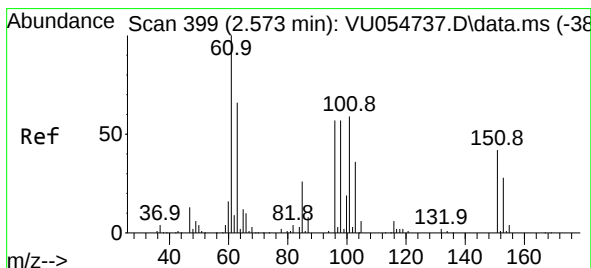
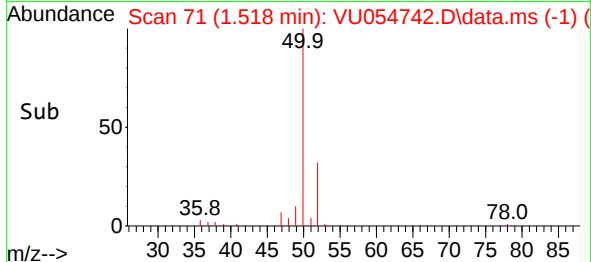
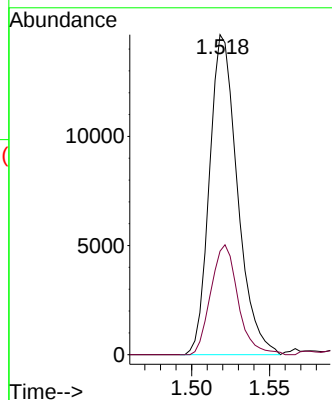
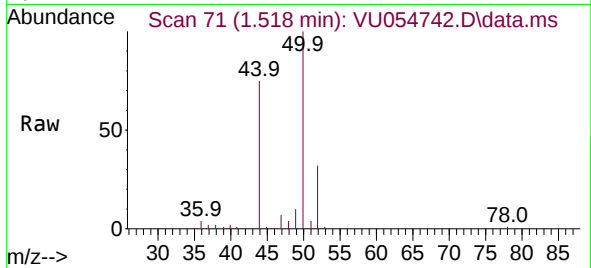




#3
 Chloromethane
 Concen: 0.659 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU054742.D
 Acq: 03 Jul 2023 12:21

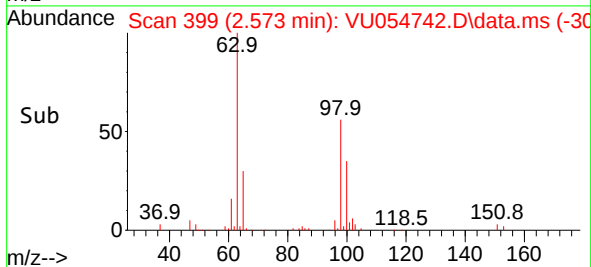
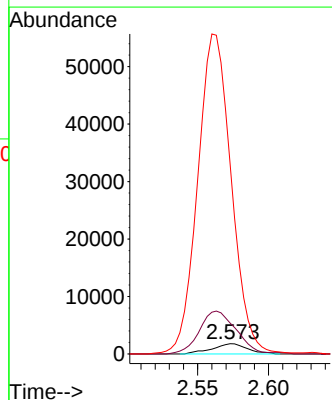
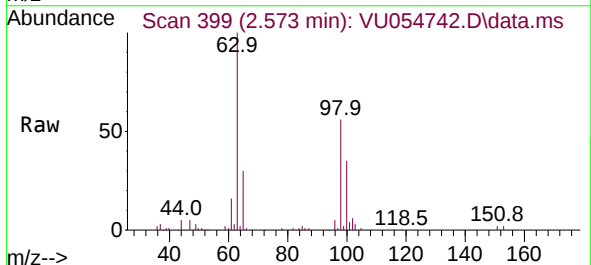
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FA8

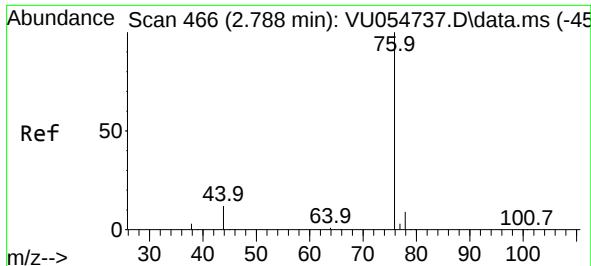
Tgt Ion: 50 Resp: 18302
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.4 43.4



#12
 1,1-Dichloroethene
 Concen: 0.165 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU054742.D
 Acq: 03 Jul 2023 12:21

Tgt Ion: 96 Resp: 3088
 Ion Ratio Lower Upper
 96 100
 61 302.6 119.9 222.7#
 63 1859.6 64.3 119.3#

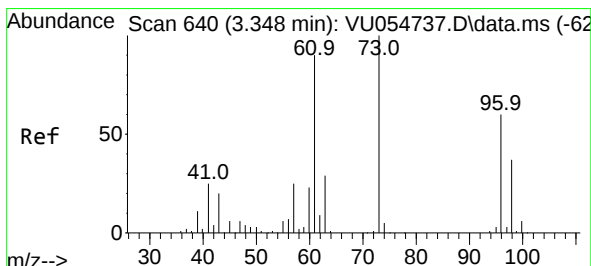
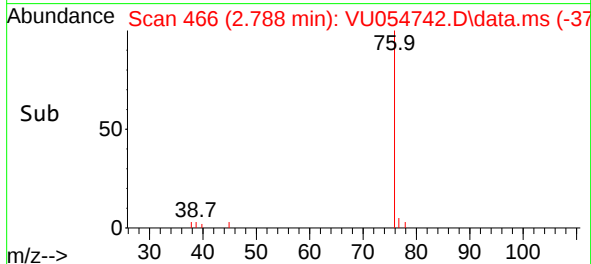
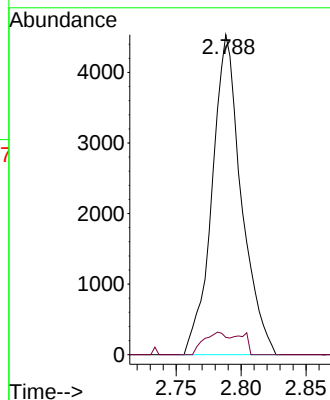
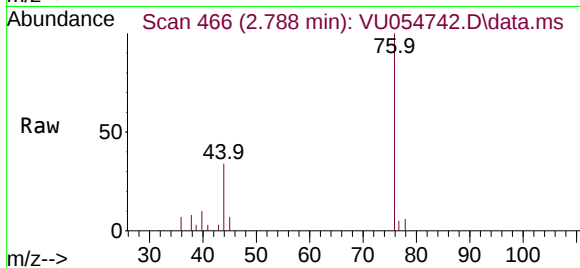




#14
Carbon disulfide
Concen: 0.128 ug/L
RT: 2.788 min Scan# 411
Delta R.T. -0.000 min
Lab File: VU054742.D
Acq: 03 Jul 2023 12:21

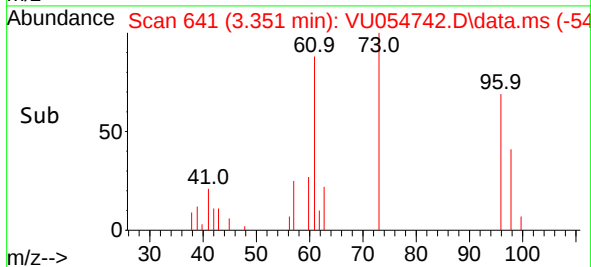
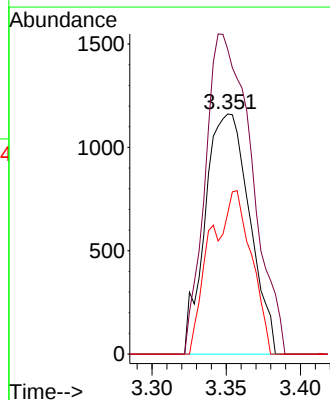
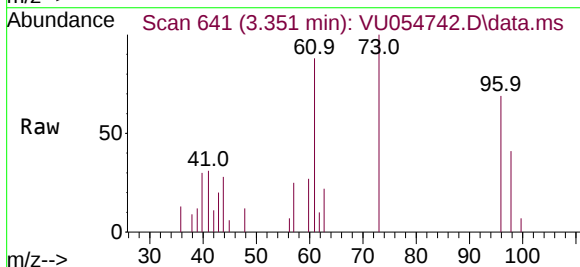
Instrument :
MSVOA_U
ClientSampleId :
H0FA8

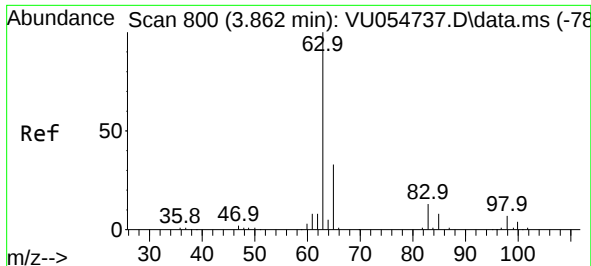
Tgt Ion: 76 Resp: 7119
Ion Ratio Lower Upper
76 100
78 5.4 7.4 11.0#



#18
trans-1,2-Dichloroethene
Concen: 0.125 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU054742.D
Acq: 03 Jul 2023 12:21

Tgt Ion: 96 Resp: 2414
Ion Ratio Lower Upper
96 100
61 126.9 104.6 194.2
98 58.6 45.4 84.4





#19

1,1-Dichloroethane

Concen: 0.108 ug/L

RT: 3.869 min Scan# 80

Delta R.T. 0.006 min

Lab File: VU054742.D

Acq: 03 Jul 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

H0FA8

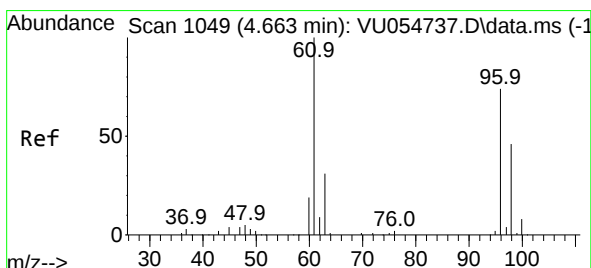
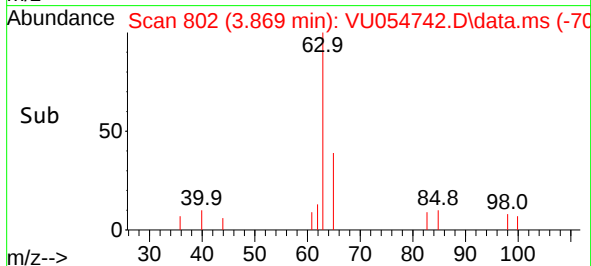
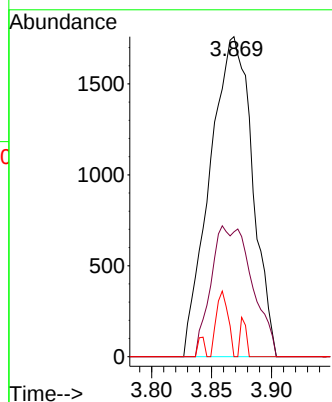
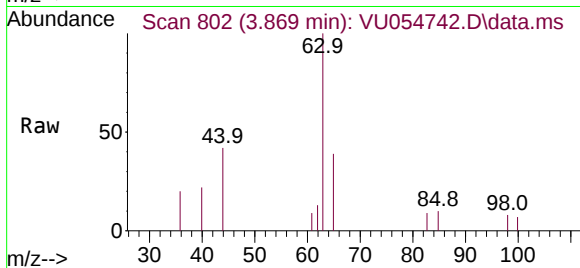
Tgt Ion: 63 Resp: 4343

Ion Ratio Lower Upper

63 100

65 39.0 22.2 41.2

83 0.0 9.0 16.6#



#22

cis-1,2-Dichloroethene

Concen: 0.117 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.003 min

Lab File: VU054742.D

Acq: 03 Jul 2023 12:21

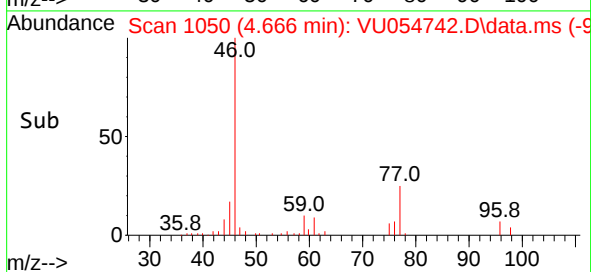
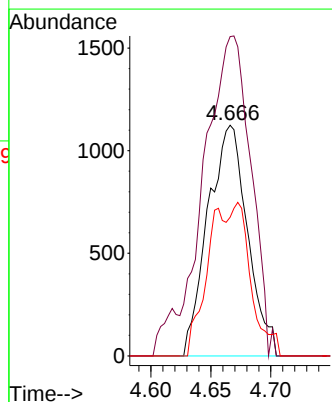
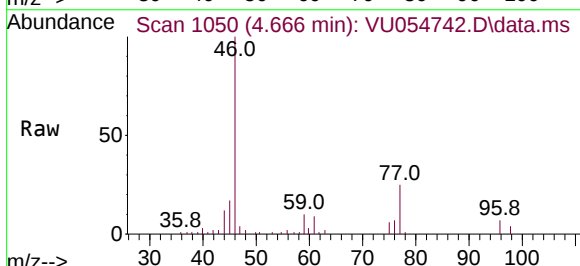
Tgt Ion: 96 Resp: 2578

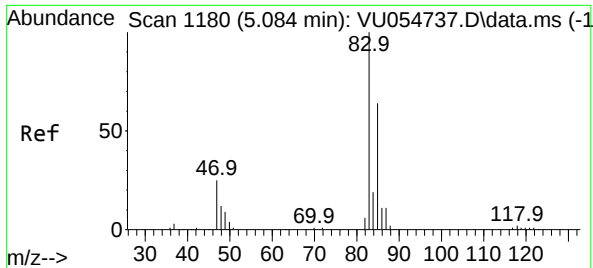
Ion Ratio Lower Upper

96 100

61 138.4 96.5 179.1

98 60.1 44.9 83.3





#25

Chloroform

Concen: 0.952 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU054742.D

Acq: 03 Jul 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

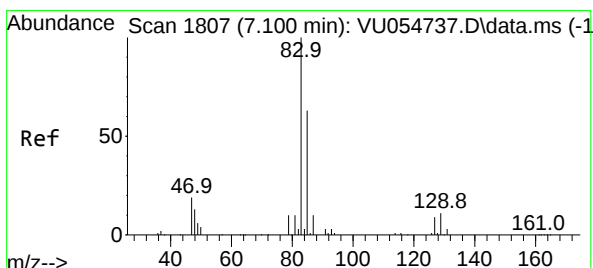
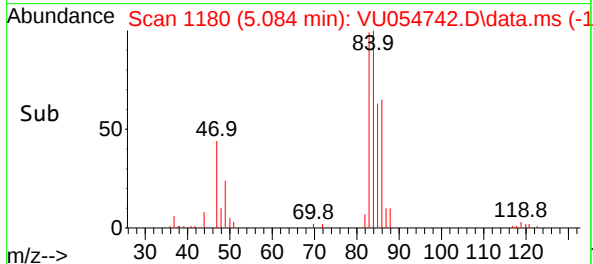
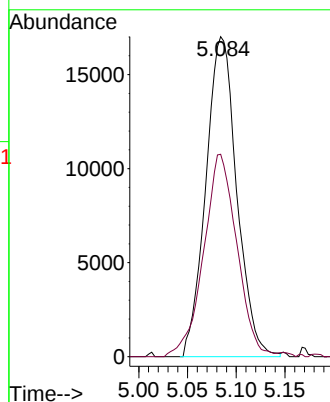
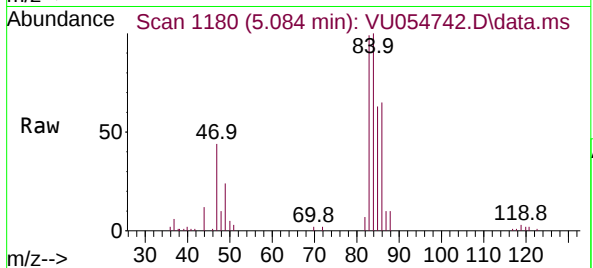
H0FA8

Tgt Ion: 83 Resp: 37635

Ion Ratio Lower Upper

83 100

85 63.2 44.7 82.9



#38

Bromodichloromethane

Concen: 0.139 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU054742.D

Acq: 03 Jul 2023 12:21

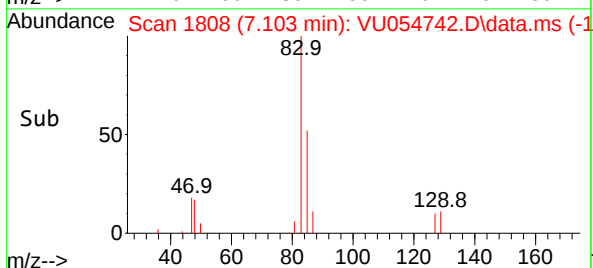
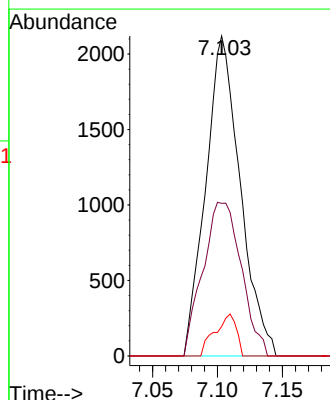
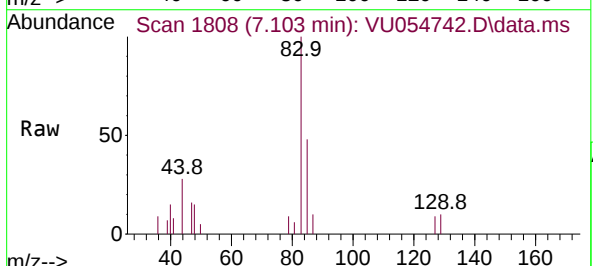
Tgt Ion: 83 Resp: 3907

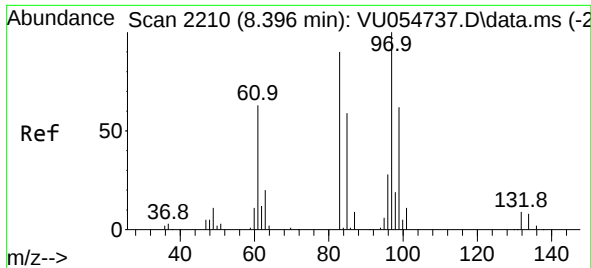
Ion Ratio Lower Upper

83 100

85 47.7 44.1 81.9

127 9.2 6.6 10.0

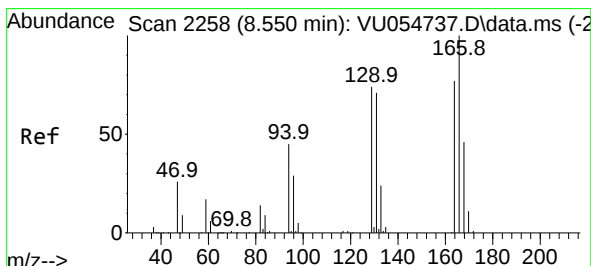
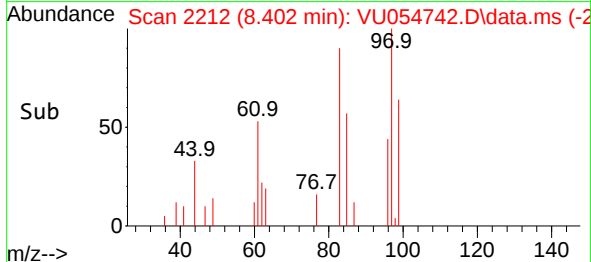
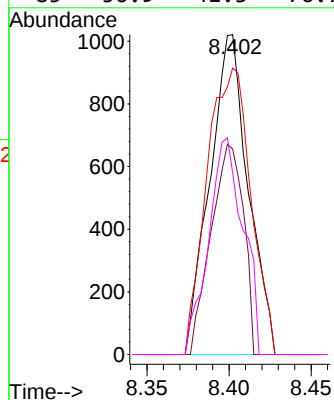
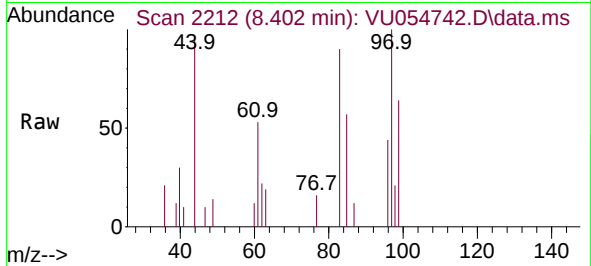




#45
1,1,2-Trichloroethane
Concen: 0.105 ug/L
RT: 8.402 min Scan# 2110
Delta R.T. 0.006 min
Lab File: VU054742.D
Acq: 03 Jul 2023 12:21

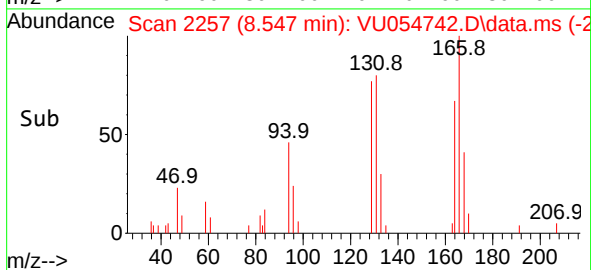
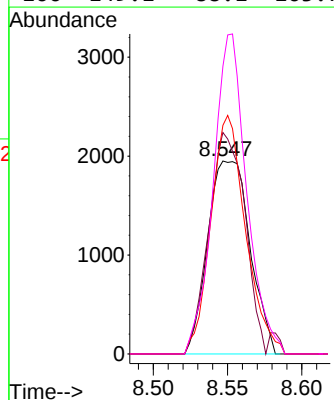
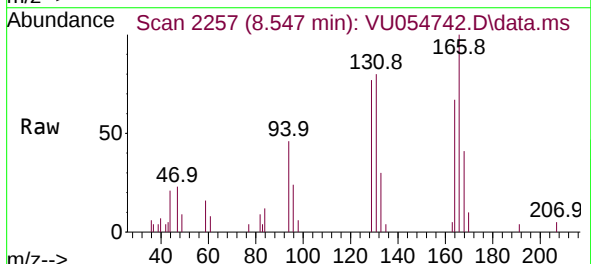
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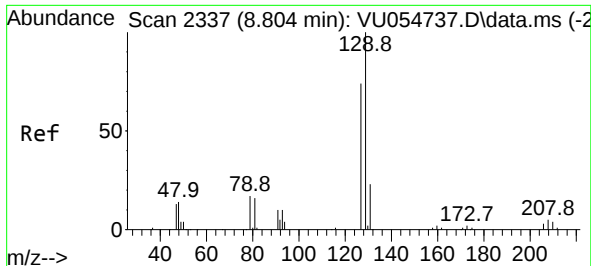
Tgt Ion: 97	Resp: 1660
Ion Ratio	Lower Upper
97 100	
99 64.3	43.0 80.0
83 89.6	63.8 118.6
85 56.9	41.3 76.7



#47
Tetrachloroethene
Concen: 0.208 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU054742.D
Acq: 03 Jul 2023 12:21

Tgt Ion: 164	Resp: 3862
Ion Ratio	Lower Upper
164 100	
129 114.7	67.7 125.7
131 118.5	64.6 120.0
166 149.1	88.1 163.7





#49

Dibromochloromethane

Concen: 0.130 ug/L

RT: 8.804 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054742.D

Acq: 03 Jul 2023 12:21

Instrument :

MSVOA_U

ClientSampleId :

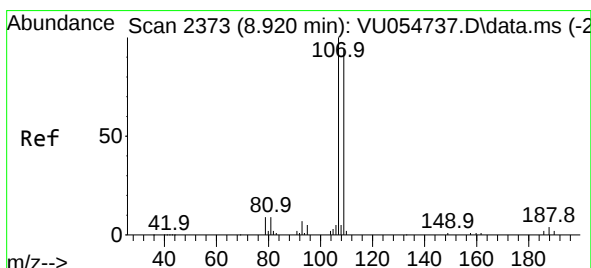
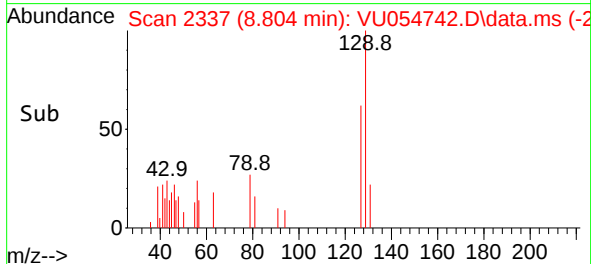
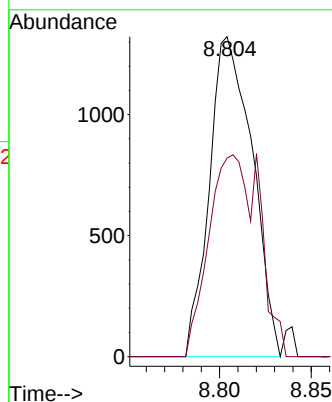
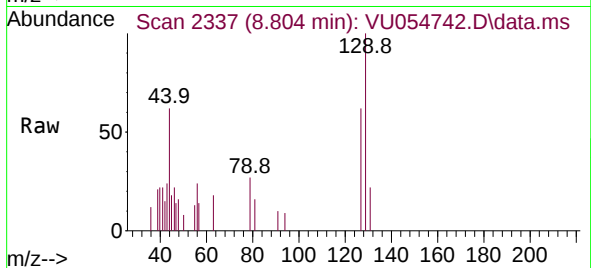
H0FA8

Tgt Ion:129 Resp: 2152

Ion Ratio Lower Upper

129 100

127 62.0 53.2 98.8



#50

1,2-Dibromoethane

Concen: 0.106 ug/L

RT: 8.923 min Scan# 2374

Delta R.T. 0.003 min

Lab File: VU054742.D

Acq: 03 Jul 2023 12:21

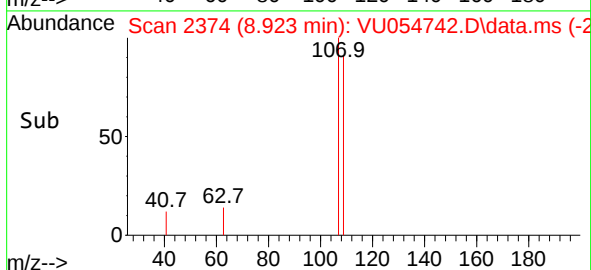
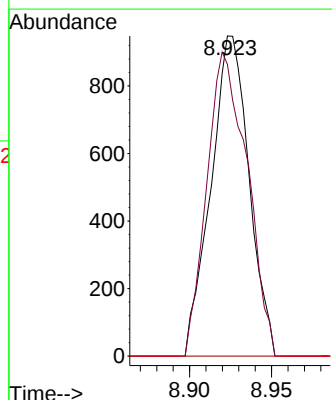
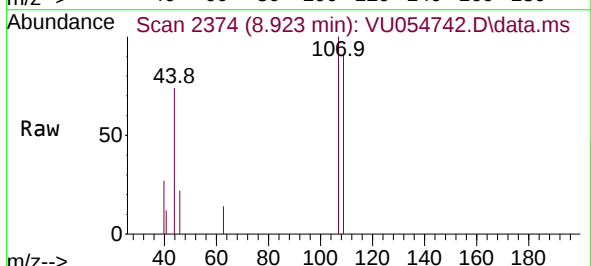
Tgt Ion:107 Resp: 1532

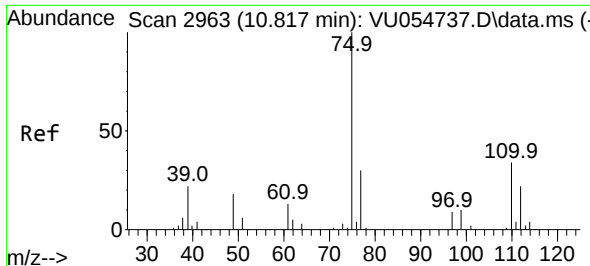
Ion Ratio Lower Upper

107 100

109 91.1 66.6 123.6

188 0.0 3.1 4.7#

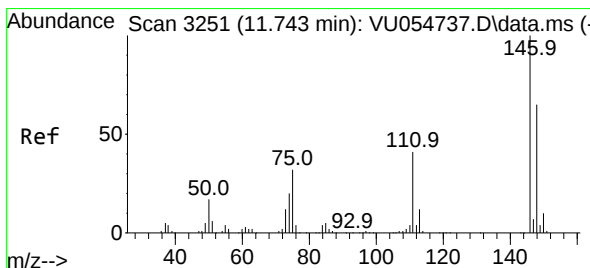
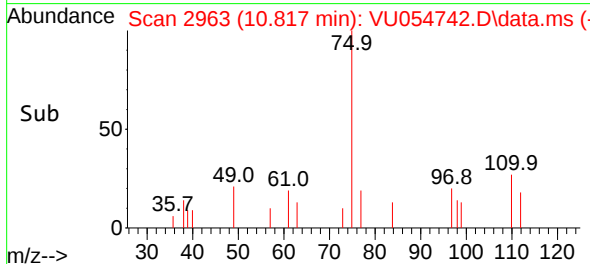
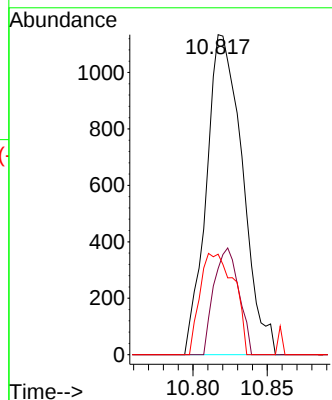
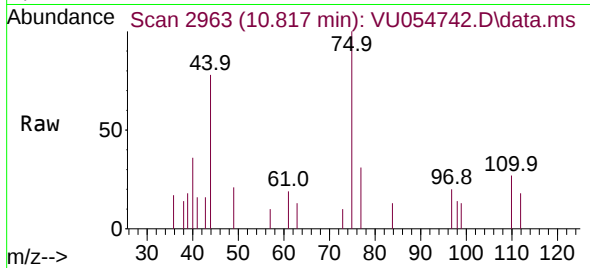




#61
1,2,3-Trichloropropane
Concen: 0.161 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU054742.D
Acq: 03 Jul 2023 12:21

Instrument :
MSVOA_U
ClientSampleId :
H0FA8

Tgt Ion: 75 Resp: 1912
Ion Ratio Lower Upper
75 100
110 23.1 28.0 42.0#
77 29.9 25.4 38.2



#64
1,3-Dichlorobenzene
Concen: 0.120 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU054742.D
Acq: 03 Jul 2023 12:21

Tgt Ion:146 Resp: 4813
Ion Ratio Lower Upper
146 100
111 40.8 28.9 53.7
148 63.8 44.0 81.8

