

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112222\
 Data File : VU052048.D
 Acq On : 22 Nov 2022 18:22
 Operator : JC/MD
 Sample : N5684-02DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 00:49:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 19 21:39:41 2022
 Response via : Initial Calibration

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

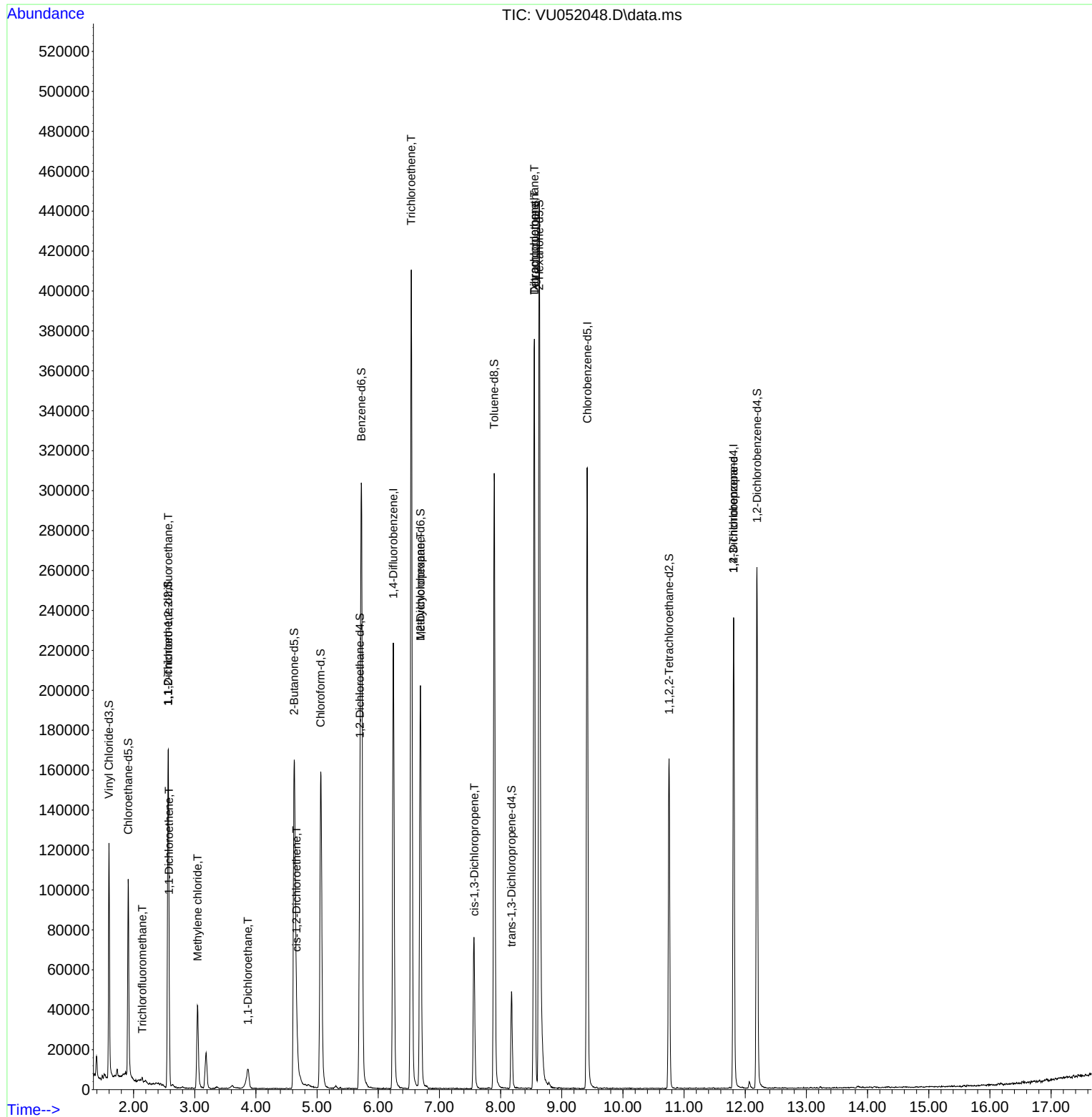
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	185600	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	185769	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	65871	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	90345	5.004	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 100.000%		
7) Chloroethane-d5	1.912	69	78192	5.576	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 111.600%		
11) 1,1-Dichloroethene-d2	2.565	65	31115	4.808	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 96.200%		
20) 2-Butanone-d5	4.626	46	209384	63.985	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 127.960%		
24) Chloroform-d	5.060	84	150806	5.685	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 113.800%		
26) 1,2-Dichloroethane-d4	5.700	65	81856	6.109	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 122.200%		
32) Benzene-d6	5.726	84	295142	5.351	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 107.000%		
36) 1,2-Dichloropropane-d6	6.690	67	102841	6.025	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 120.600%		
41) Toluene-d8	7.896	98	217822	4.365	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 87.400%		
43) trans-1,3-Dichloroprop...	8.179	79	29235	4.700	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 94.000%		
46) 2-Hexanone-d5	8.632	63	154713	58.696	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 117.400%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	86400	5.839	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 116.800%		
66) 1,2-Dichlorobenzene-d4	12.192	152	75311	5.972	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 119.400%		
Target Compounds						
						Qvalue
9) Trichlorofluoromethane	2.141	101	1367	0.062	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1726	0.127	ug/L #	23
12) 1,1-Dichloroethene	2.581	96	5306	0.394	ug/L #	1
16) Methylene chloride	3.044	84	21698	1.191	ug/L	97
19) 1,1-Dichloroethane	3.867	63	6953	0.267	ug/L	92
22) cis-1,2-Dichloroethene	4.665	96	5756	0.380	ug/L	92
34) Trichloroethene	6.539	95	146553	9.719	ug/L	99
35) Methylcyclohexane	6.690	83	23371	1.077	ug/L #	20
39) cis-1,3-Dichloropropene	7.571	75	1874	0.093	ug/L	83
47) Tetrachloroethene	8.552	164	84374	7.301	ug/L	98
49) Dibromochloromethane	8.552	129	82817	6.286	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	7880	1.045	ug/L #	66

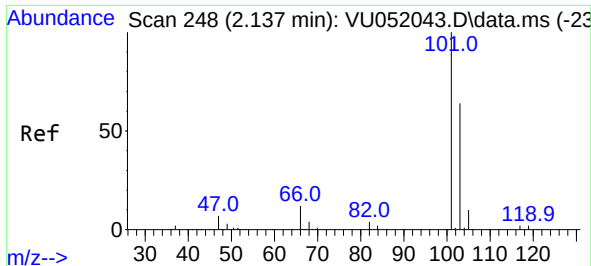
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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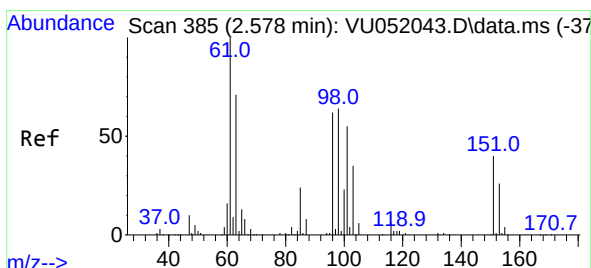
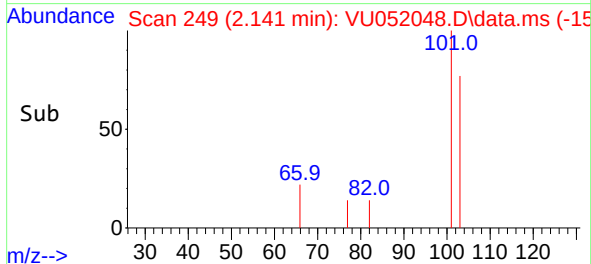
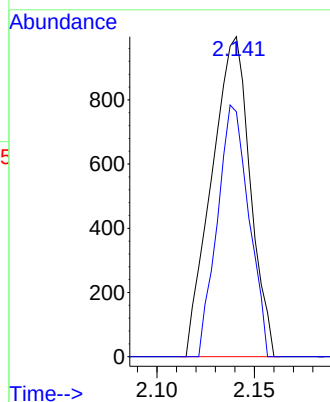
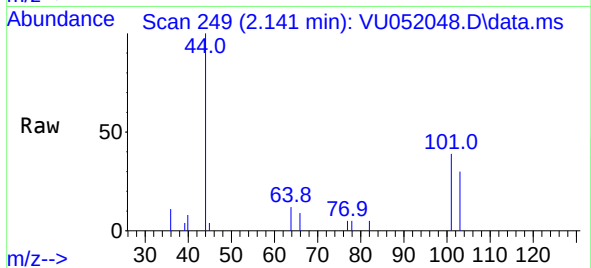




#9
Trichlorofluoromethane
Concen: 0.062 ug/L
RT: 2.141 min Scan# 24
Delta R.T. 0.006 min
Lab File: VU052048.D
Acq: 22 Nov 2022 18:22

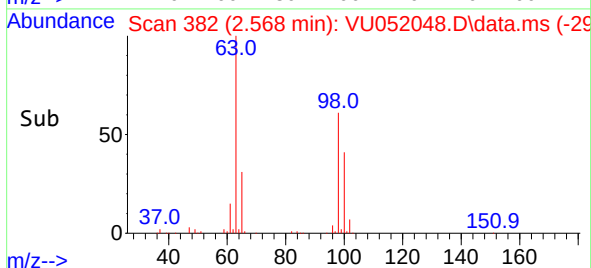
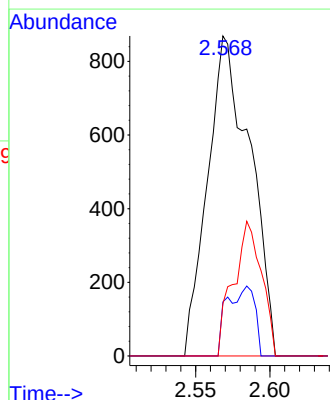
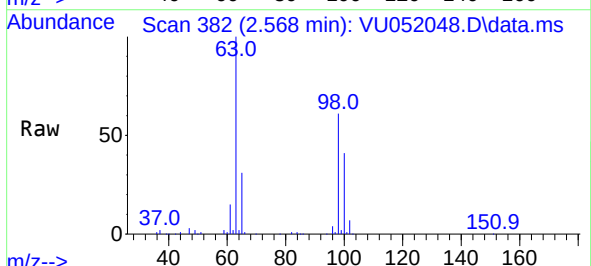
Instrument :
MSVOA_U
ClientSampleId :

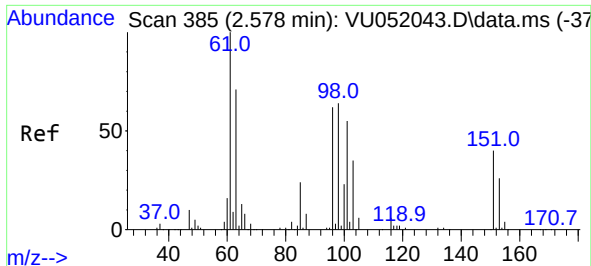
Tgt Ion:101 Resp: 1367
Ion Ratio Lower Upper
101 100
103 64.4 51.6 77.4



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.127 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.010 min
Lab File: VU052048.D
Acq: 22 Nov 2022 18:22

Tgt Ion:101 Resp: 1726
Ion Ratio Lower Upper
101 100
85 5.0 33.8 50.6#
151 0.0 58.6 88.0#

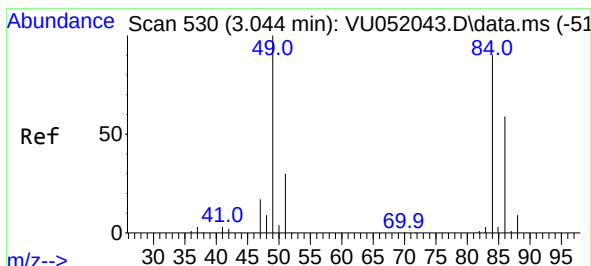
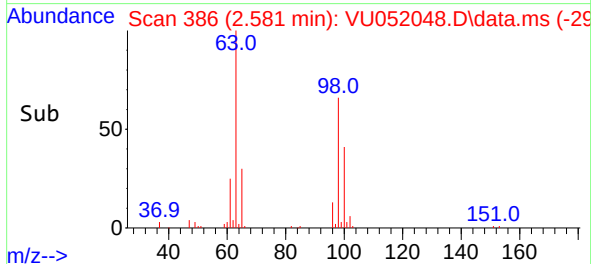
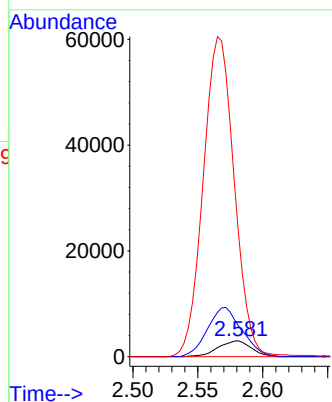
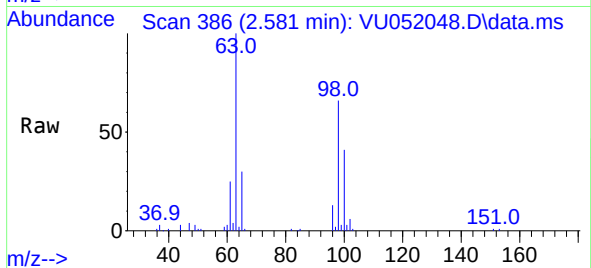




#12
1,1-Dichloroethene
Concen: 0.394 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU052048.D
Acq: 22 Nov 2022 18:22

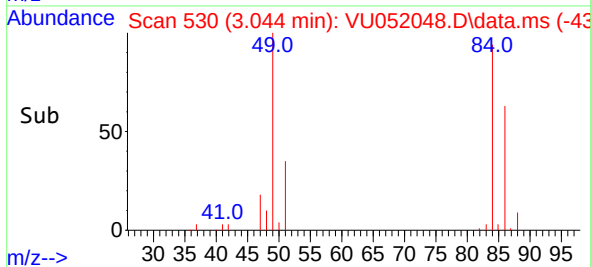
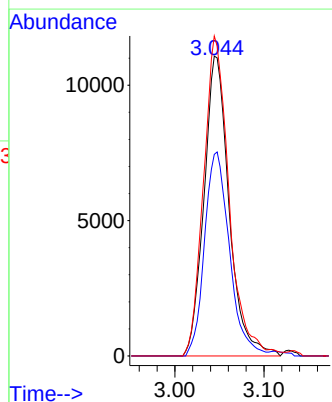
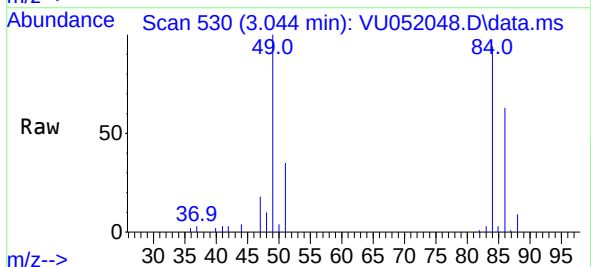
Instrument :
MSVOA_U
ClientSampleId :

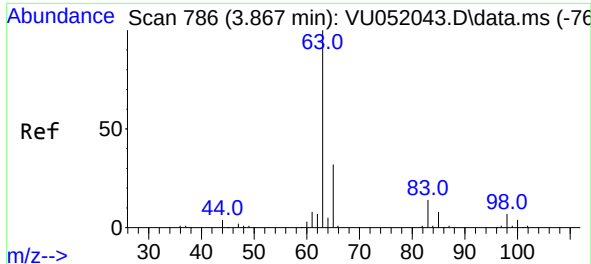
Tgt Ion: 96 Resp: 5306
Ion Ratio Lower Upper
96 100
61 193.2 114.8 213.2
63 776.3 93.7 174.1#



#16
Methylene chloride
Concen: 1.191 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU052048.D
Acq: 22 Nov 2022 18:22

Tgt Ion: 84 Resp: 21698
Ion Ratio Lower Upper
84 100
86 67.2 43.8 81.4
49 106.7 75.9 141.1





#19

1,1-Dichloroethane

Concen: 0.267 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU052048.D

Acq: 22 Nov 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

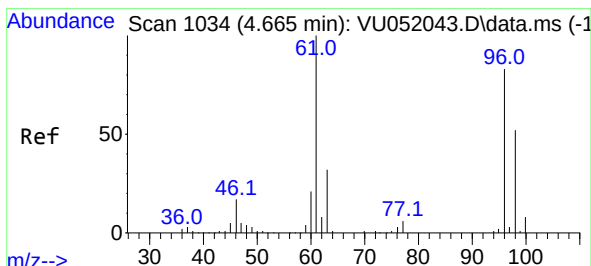
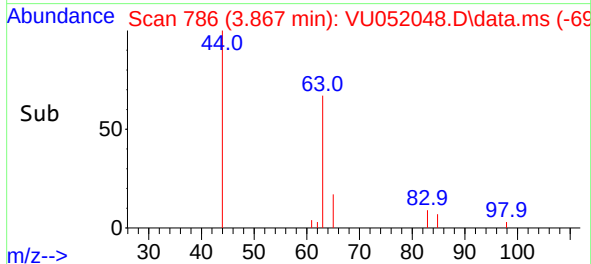
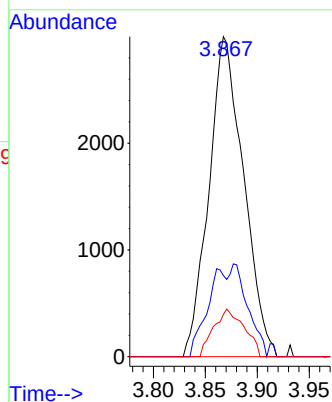
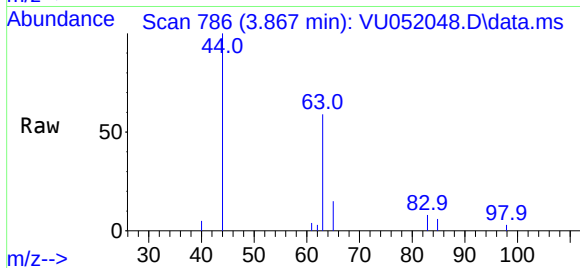
Tgt Ion: 63 Resp: 6953

Ion Ratio Lower Upper

63 100

65 25.4 22.2 41.2

83 13.2 9.2 17.0



#22

cis-1,2-Dichloroethene

Concen: 0.380 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU052048.D

Acq: 22 Nov 2022 18:22

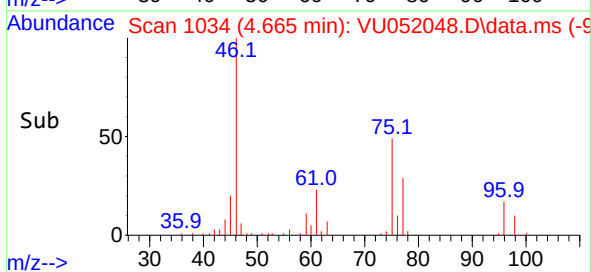
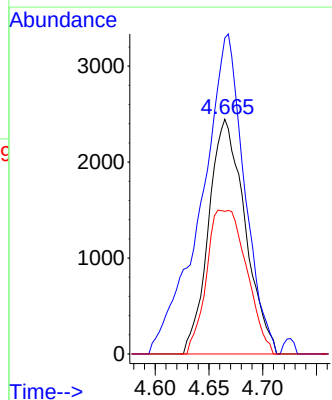
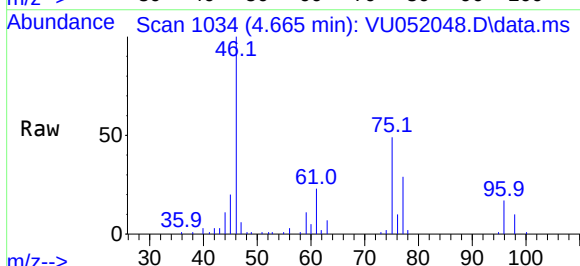
Tgt Ion: 96 Resp: 5756

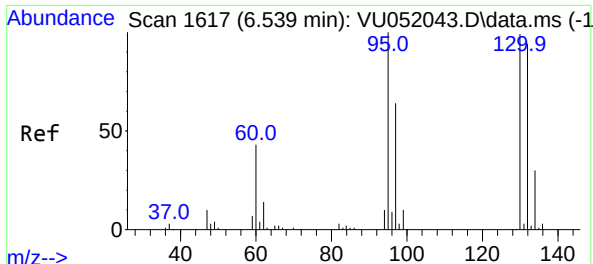
Ion Ratio Lower Upper

96 100

61 134.6 85.1 158.1

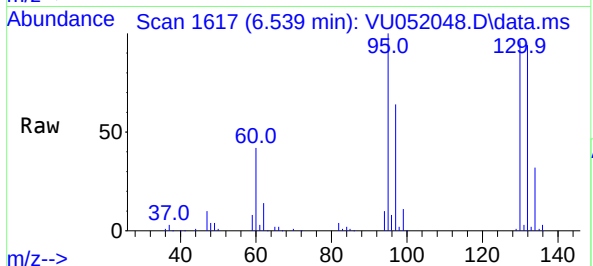
98 60.8 42.8 79.6



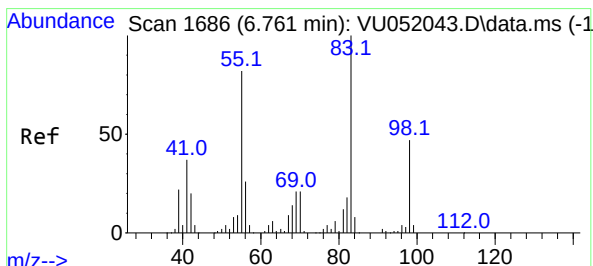
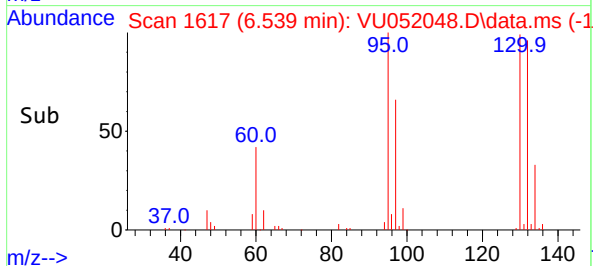
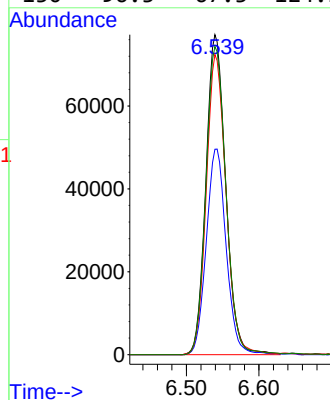


#34
Trichloroethene
Concen: 9.719 ug/L
RT: 6.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU052048.D
Acq: 22 Nov 2022 18:22

Instrument :
MSVOA_U
ClientSampleId :

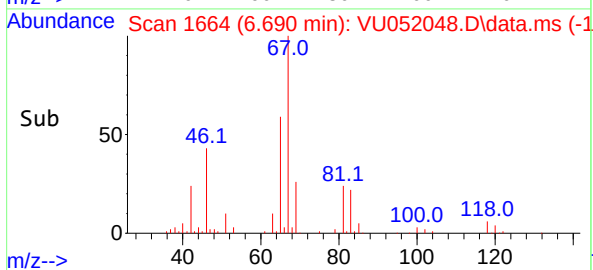
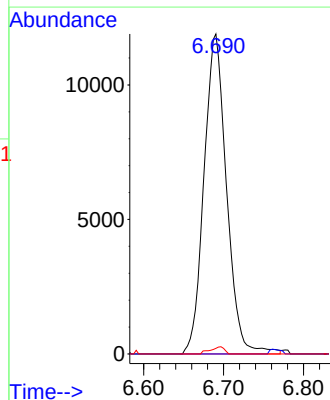
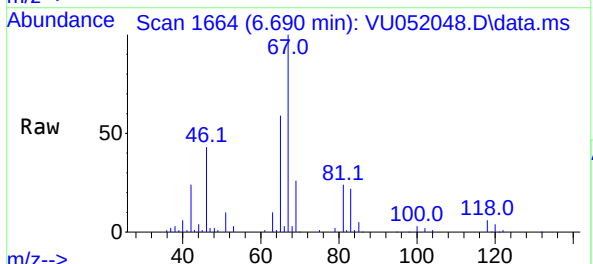


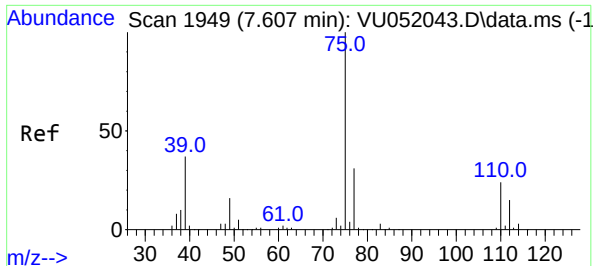
Tgt Ion: 95 Resp: 146553
Ion Ratio Lower Upper
95 100
97 64.2 43.7 81.1
132 93.8 64.3 119.3
130 96.3 67.3 124.9



#35
Methylcyclohexane
Concen: 1.077 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU052048.D
Acq: 22 Nov 2022 18:22

Tgt Ion: 83 Resp: 23371
Ion Ratio Lower Upper
83 100
55 0.7 60.8 91.2#
98 1.4 35.1 52.7#





#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.571 min Scan# 1949

Delta R.T. -0.032 min

Lab File: VU052048.D

Acq: 22 Nov 2022 18:22

Instrument :

MSVOA_U

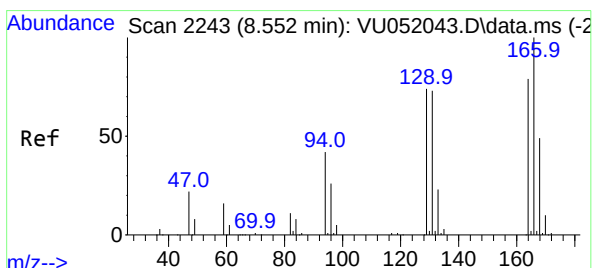
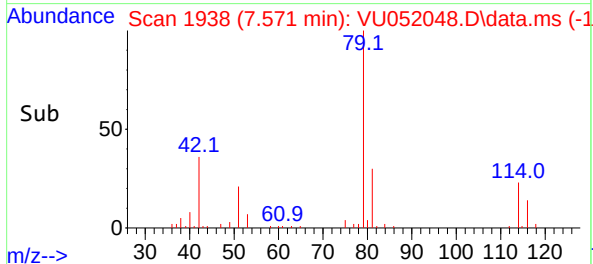
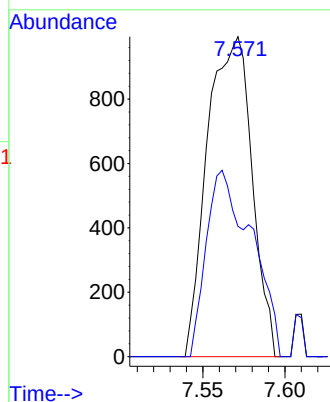
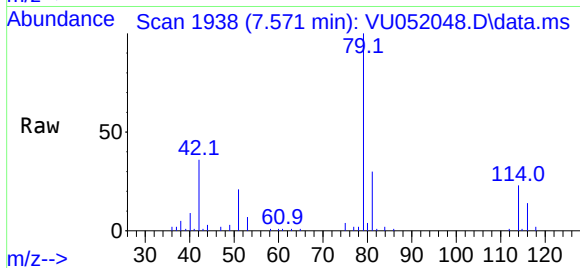
ClientSampleId :

Tgt Ion: 75 Resp: 1874

Ion Ratio Lower Upper

75 100

77 40.7 22.0 40.8



#47

Tetrachloroethene

Concen: 7.301 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU052048.D

Acq: 22 Nov 2022 18:22

Tgt Ion: 164 Resp: 84374

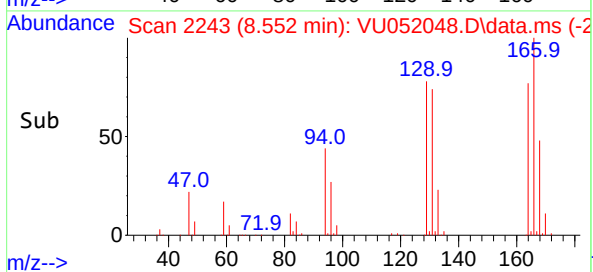
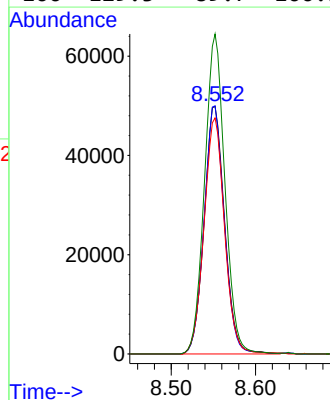
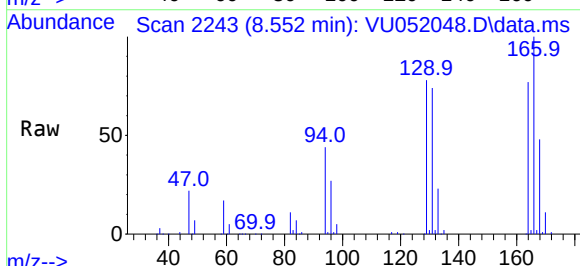
Ion Ratio Lower Upper

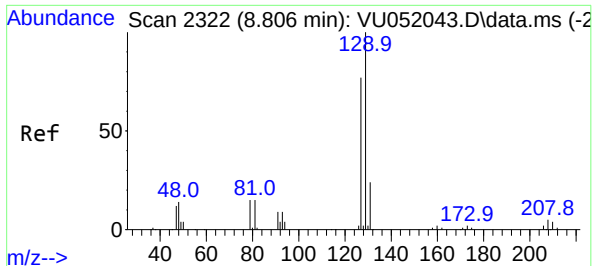
164 100

129 100.2 67.4 125.2

131 95.4 67.1 124.7

166 129.3 89.7 166.5





#49

Dibromochloromethane

Concen: 6.286 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU052048.D

Acq: 22 Nov 2022 18:22

Instrument :

MSVOA_U

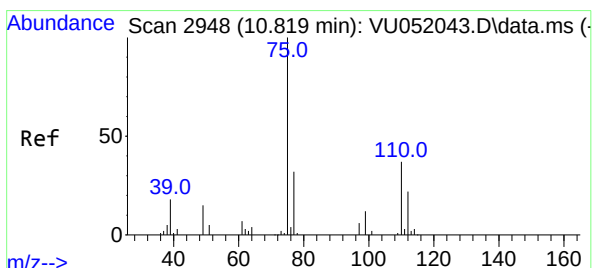
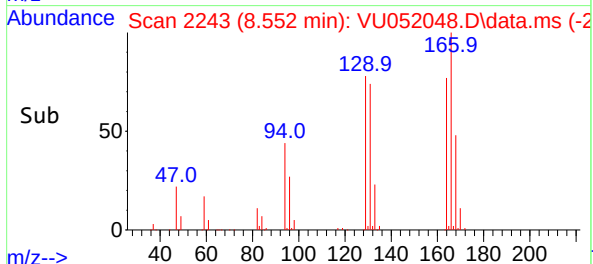
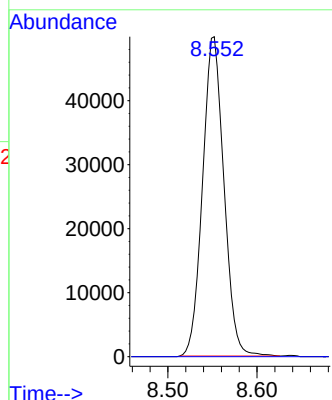
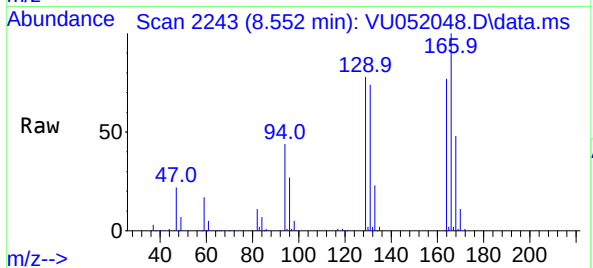
ClientSampleId :

Tgt Ion:129 Resp: 82817

Ion Ratio Lower Upper

129 100

127 0.0 52.8 98.2#



#61

1,2,3-Trichloropropane

Concen: 1.045 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.990 min

Lab File: VU052048.D

Acq: 22 Nov 2022 18:22

Tgt Ion: 75 Resp: 7880

Ion Ratio Lower Upper

75 100

110 1.4 28.3 42.5#

77 27.8 26.2 39.2

