

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
 Data File : VU051912.D
 Acq On : 18 Nov 2022 19:25
 Operator : JC/MD
 Sample : N5684-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH1H1

Quant Time: Nov 19 00:49:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 18 22:29:23 2022
 Response via : Initial Calibration

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

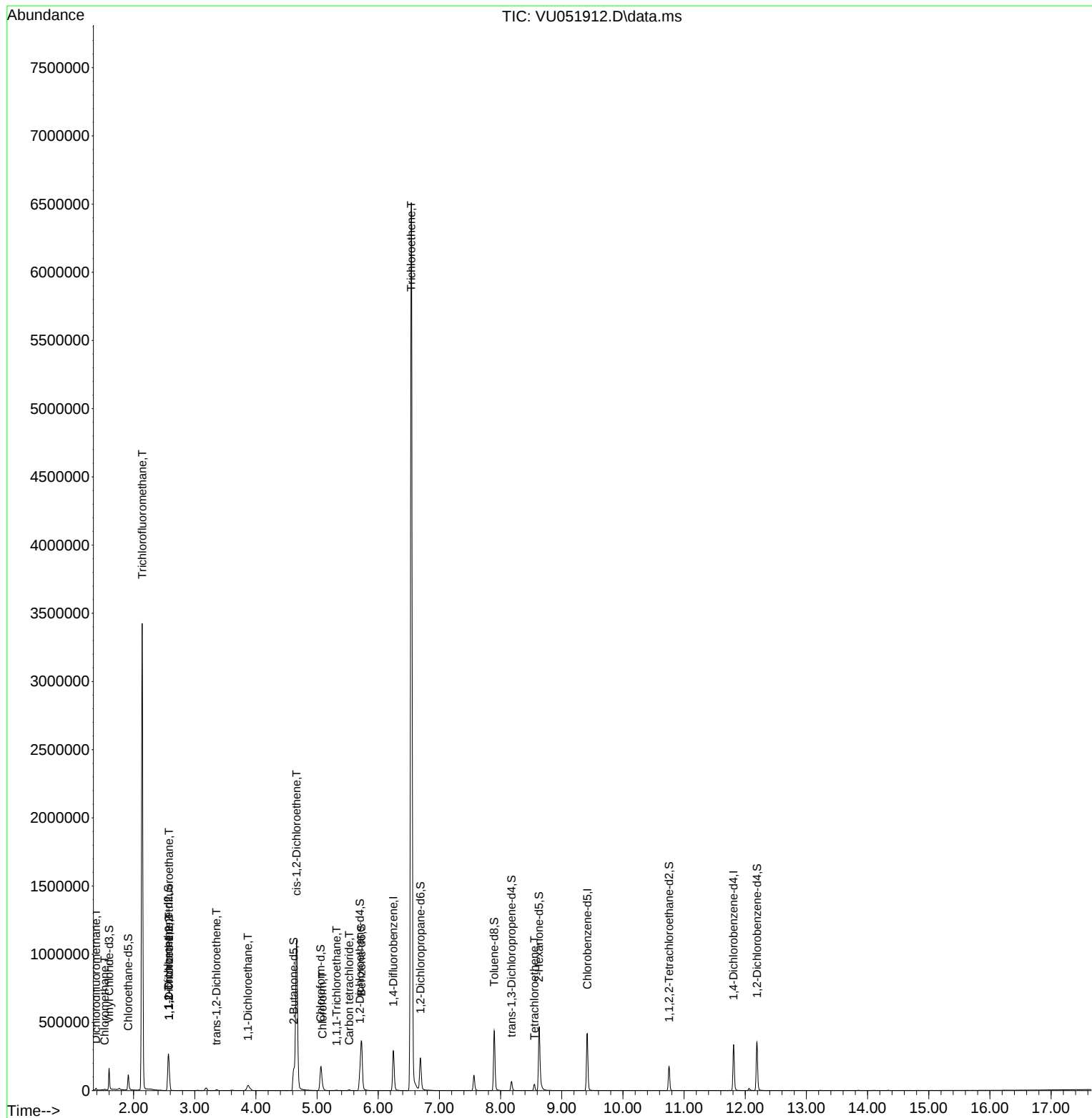
Internal Standards						
1) 1,4-Difluorobenzene	6.246	114	245960	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	247239	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	93583	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	118139	4.938	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.800%
7) Chloroethane-d5	1.912	69	91840	4.942	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.800%
11) 1,1-Dichloroethene-d2	2.568	65	41061	4.788	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.800%
20) 2-Butanone-d5	4.616	46	216860	50.006	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.020%
24) Chloroform-d	5.060	84	162854	4.633	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	5.700	65	88512	4.985	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	5.726	84	369193	5.030	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
36) 1,2-Dichloropropane-d6	6.690	67	120168	5.290	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.800%
41) Toluene-d8	7.896	98	306322	4.613	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	8.179	79	38241	4.620	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.400%
46) 2-Hexanone-d5	8.629	63	163252	46.536	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.080%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	94582	4.802	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	99275	5.541	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	7936	0.372	ug/L	95
3) Chloromethane	1.526	50	5129	0.184	ug/L	87
9) Trichlorofluoromethane	2.141	101	2236778	76.013	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	33069	1.838	ug/L	96
12) 1,1-Dichloroethene	2.581	96	6465	0.362	ug/L #	1
18) trans-1,2-Dichloroethene	3.356	96	1908	0.100	ug/L	92
19) 1,1-Dichloroethane	3.870	63	31408	0.911	ug/L	96
22) cis-1,2-Dichloroethene	4.665	96	595898	29.686	ug/L	98
25) Chloroform	5.089	83	15892	0.455	ug/L	89
29) 1,1,1-Trichloroethane	5.317	97	2274	0.083	ug/L #	91
31) Carbon tetrachloride	5.523	117	3729	0.160	ug/L	96
34) Trichloroethene	6.539	95	2329627	116.080	ug/L	99
47) Tetrachloroethene	8.552	164	10597	0.689	ug/L	97

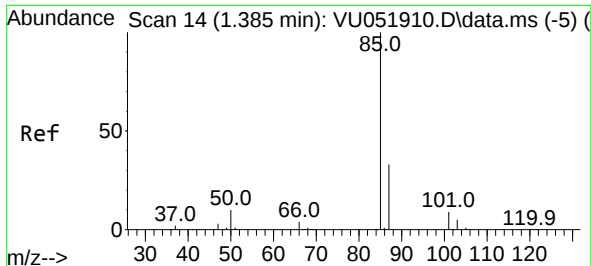
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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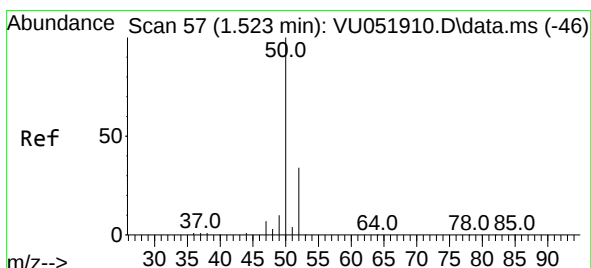
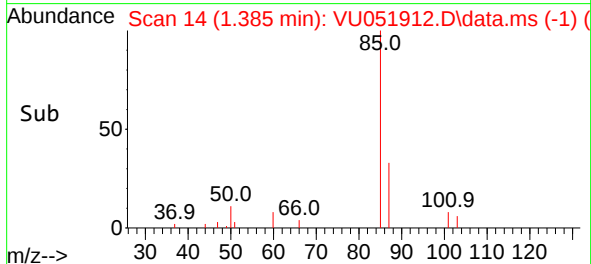
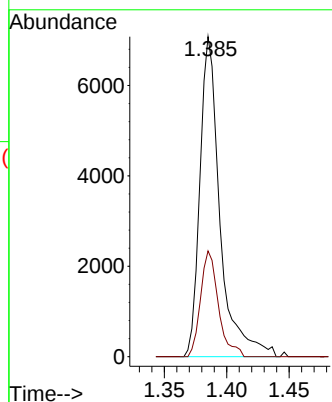
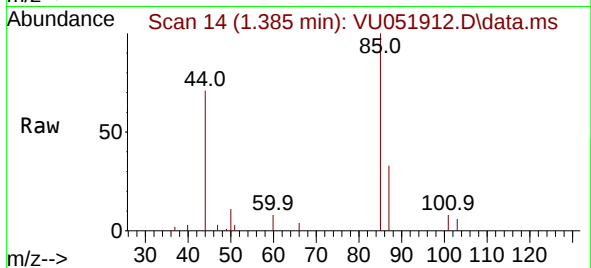




#2
Dichlorodifluoromethane
Concen: 0.372 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051912.D
Acq: 18 Nov 2022 19:25

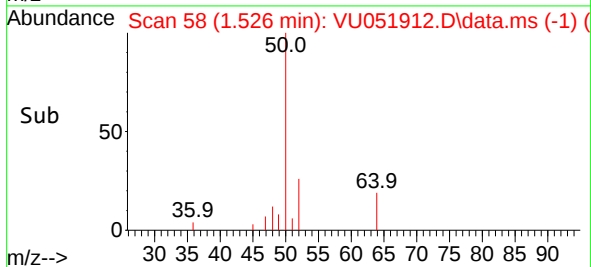
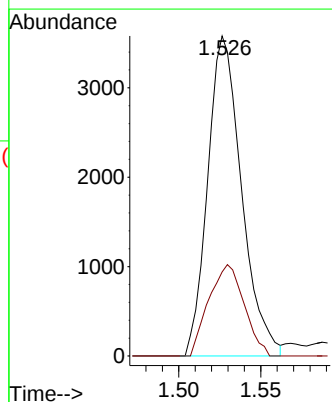
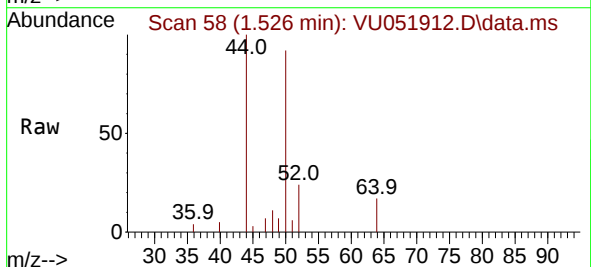
Instrument :
MSVOA_U
ClientSampleId :
BH1H1

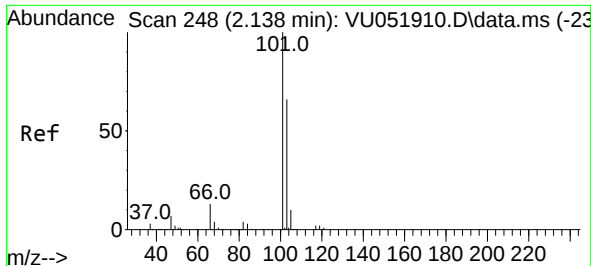
Tgt Ion: 85 Resp: 7936
Ion Ratio Lower Upper
85 100
87 29.4 25.8 38.8



#3
Chloromethane
Concen: 0.184 ug/L
RT: 1.526 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU051912.D
Acq: 18 Nov 2022 19:25

Tgt Ion: 50 Resp: 5129
Ion Ratio Lower Upper
50 100
52 26.3 23.4 43.4

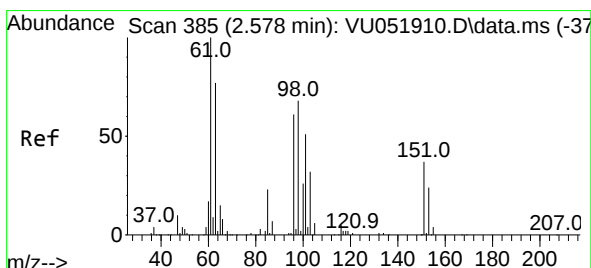
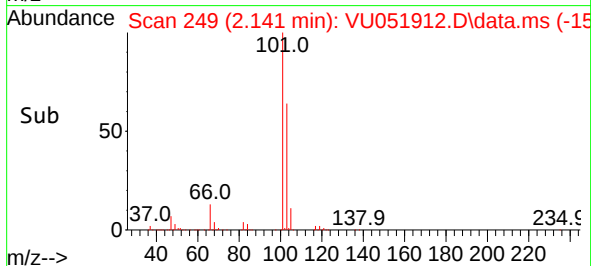
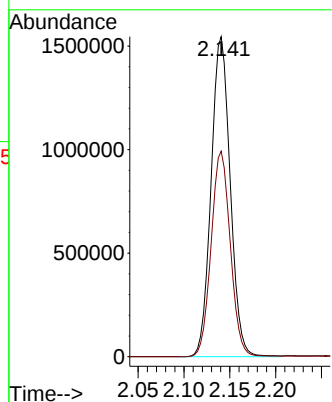
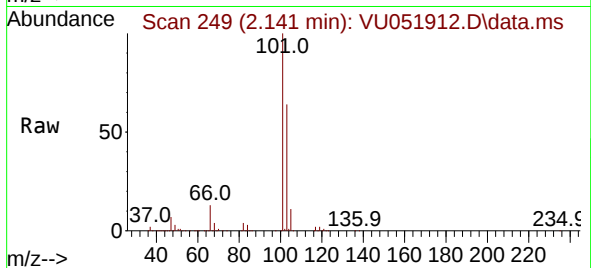




#9
 Trichlorofluoromethane
 Concen: 76.013 ug/L
 RT: 2.141 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: VU051912.D
 Acq: 18 Nov 2022 19:25

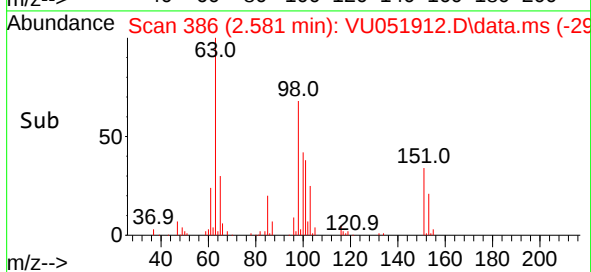
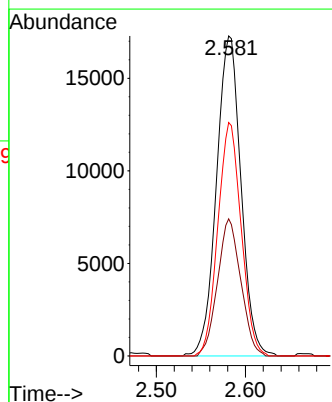
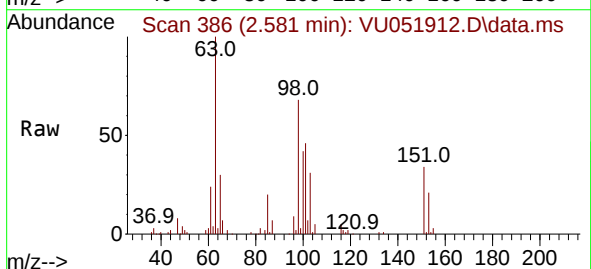
Instrument :
 MSVOA_U
 ClientSampleId :
 BH1H1

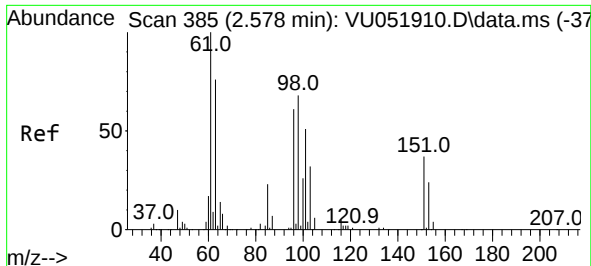
Tgt Ion:101 Resp: 2236778
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.6 77.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.838 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU051912.D
 Acq: 18 Nov 2022 19:25

Tgt Ion:101 Resp: 33069
 Ion Ratio Lower Upper
 101 100
 85 40.6 33.8 50.6
 151 69.3 58.6 88.0





#12

1,1-Dichloroethene

Concen: 0.362 ug/L

RT: 2.581 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU051912.D

Acq: 18 Nov 2022 19:25

Instrument :

MSVOA_U

ClientSampleId :

BH1H1

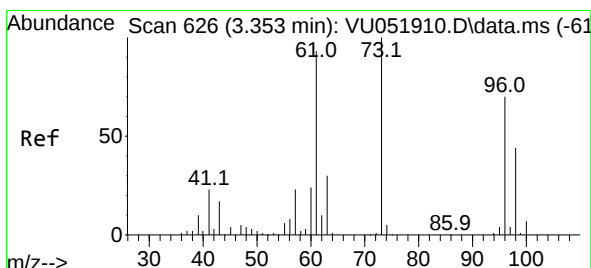
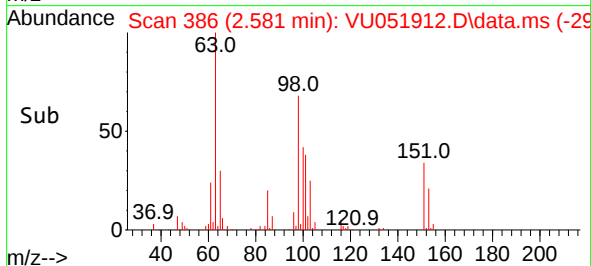
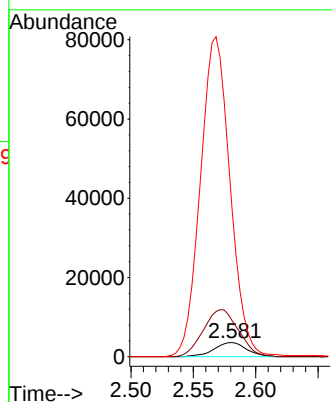
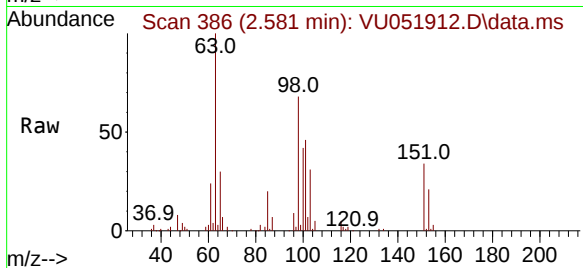
Tgt Ion: 96 Resp: 6465

Ion Ratio Lower Upper

96 100

61 257.3 114.8 213.2#

63 1053.3 93.7 174.1#



#18

trans-1,2-Dichloroethene

Concen: 0.100 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU051912.D

Acq: 18 Nov 2022 19:25

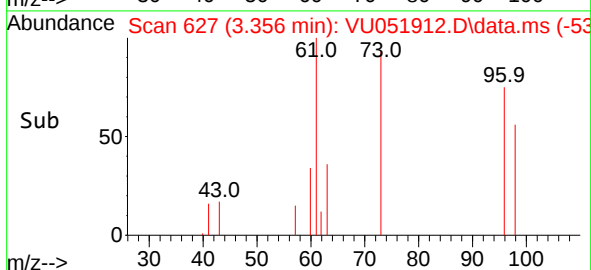
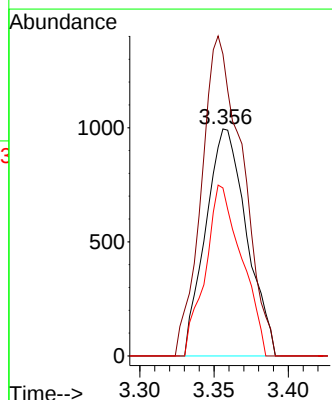
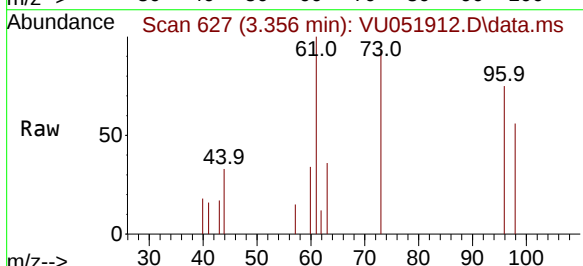
Tgt Ion: 96 Resp: 1908

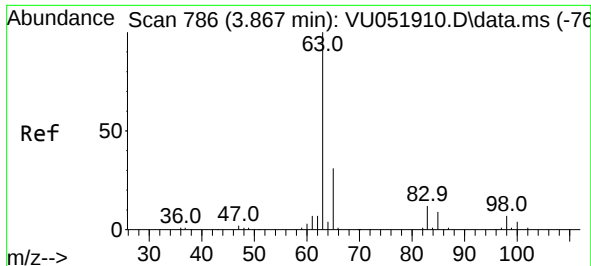
Ion Ratio Lower Upper

96 100

61 133.0 97.9 181.7

98 74.0 43.8 81.3





#19

1,1-Dichloroethane

Concen: 0.911 ug/L

RT: 3.870 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU051912.D

Acq: 18 Nov 2022 19:25

Instrument :

MSVOA_U

ClientSampleId :

BH1H1

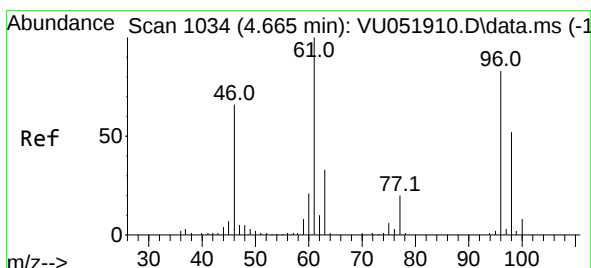
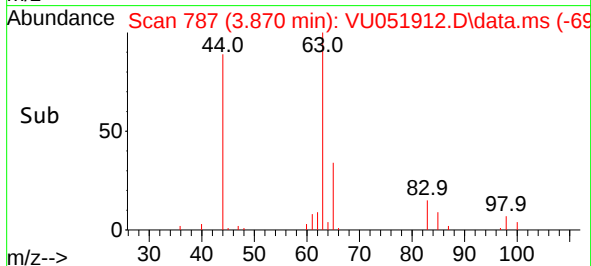
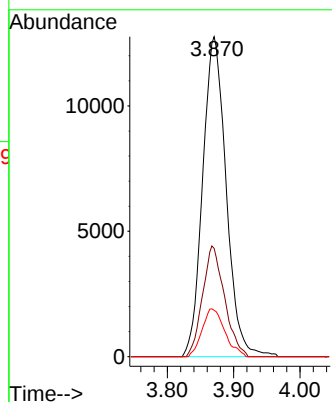
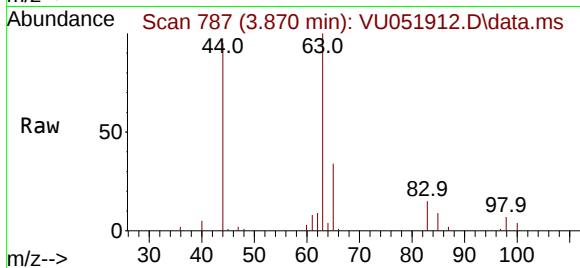
Tgt Ion: 63 Resp: 31408

Ion Ratio Lower Upper

63 100

65 33.8 22.2 41.2

83 14.5 9.2 17.0



#22

cis-1,2-Dichloroethene

Concen: 29.686 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU051912.D

Acq: 18 Nov 2022 19:25

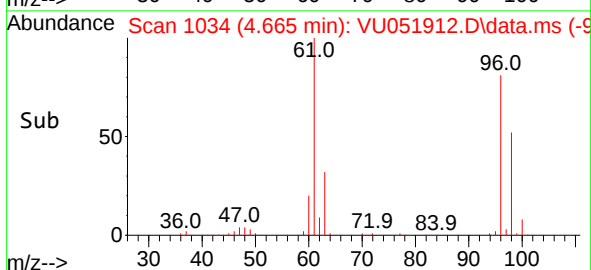
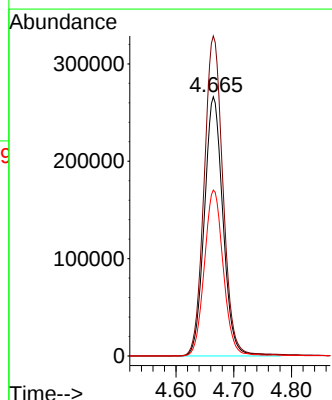
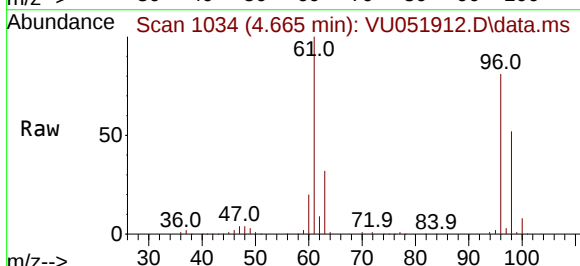
Tgt Ion: 96 Resp: 595898

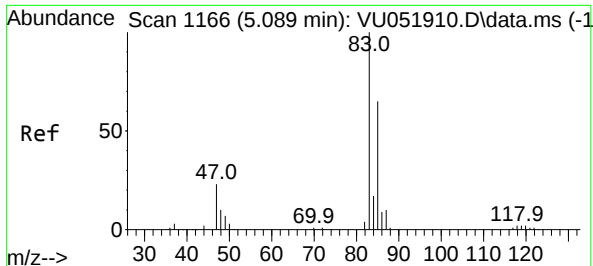
Ion Ratio Lower Upper

96 100

61 123.4 85.1 158.1

98 64.0 42.8 79.6





#25

Chloroform

Concen: 0.455 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU051912.D

Acq: 18 Nov 2022 19:25

Instrument :

MSVOA_U

ClientSampleId :

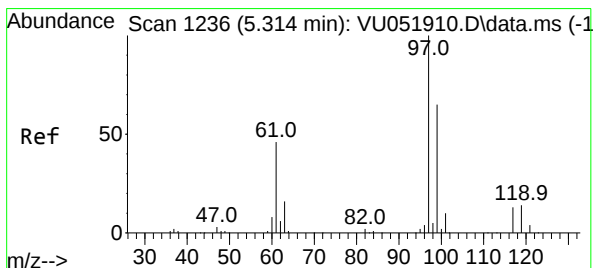
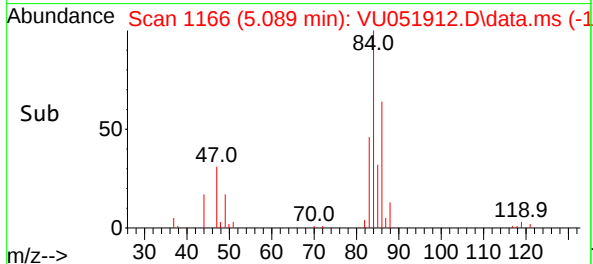
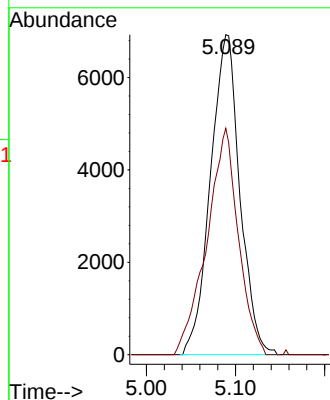
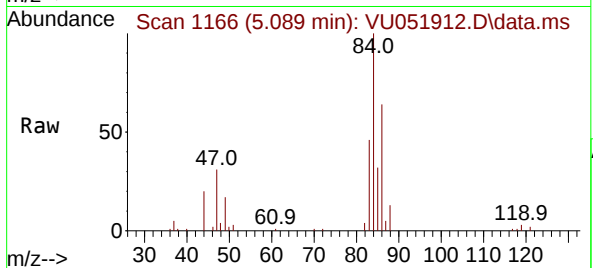
BH1H1

Tgt Ion: 83 Resp: 15892

Ion Ratio Lower Upper

83 100

85 70.8 43.8 81.4



#29

1,1,1-Trichloroethane

Concen: 0.083 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU051912.D

Acq: 18 Nov 2022 19:25

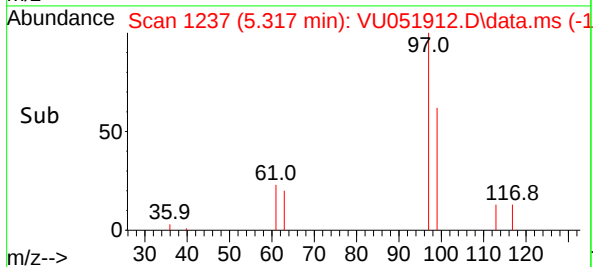
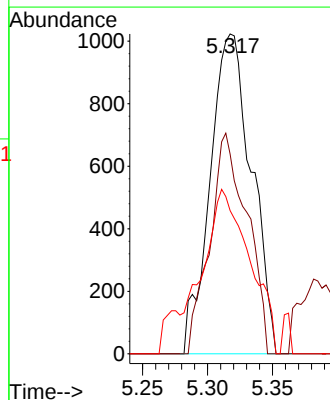
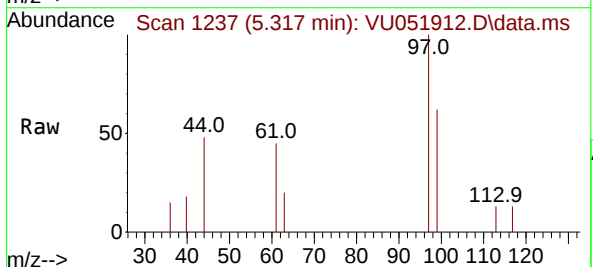
Tgt Ion: 97 Resp: 2274

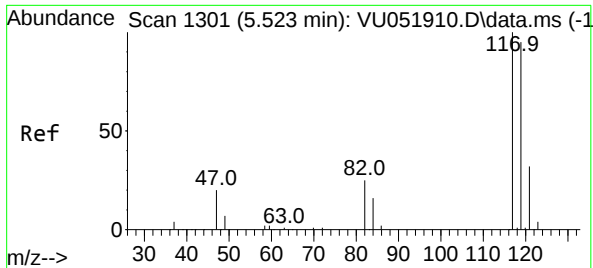
Ion Ratio Lower Upper

97 100

99 61.9 51.0 76.6

61 58.0 36.9 55.3#

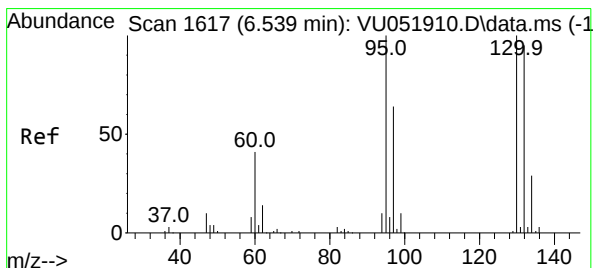
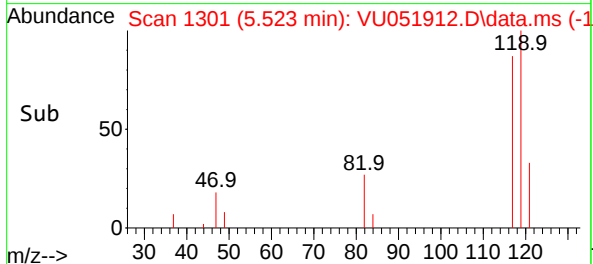
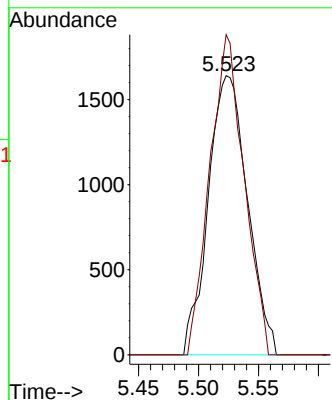
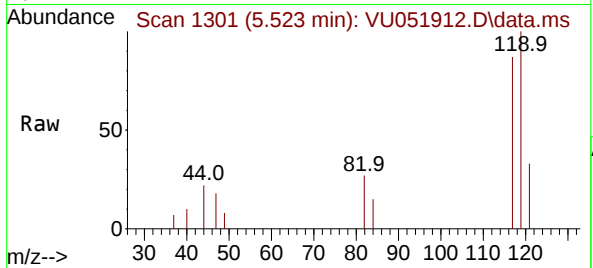




#31
Carbon tetrachloride
Concen: 0.160 ug/L
RT: 5.523 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051912.D
Acq: 18 Nov 2022 19:25

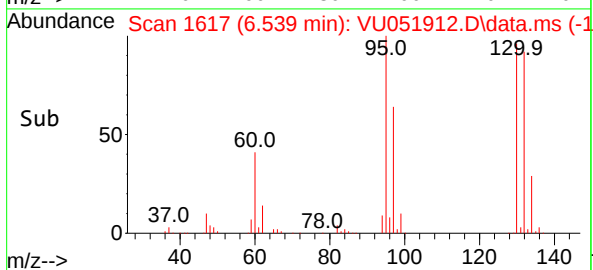
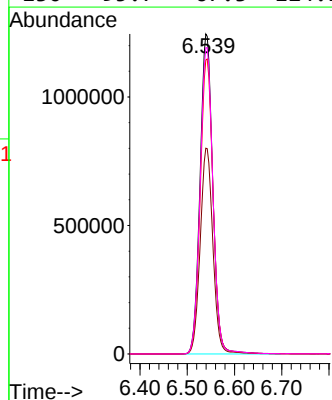
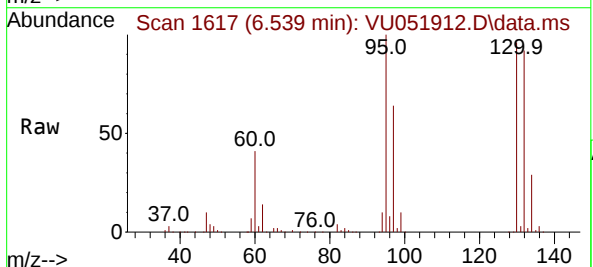
Instrument :
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BH1H1

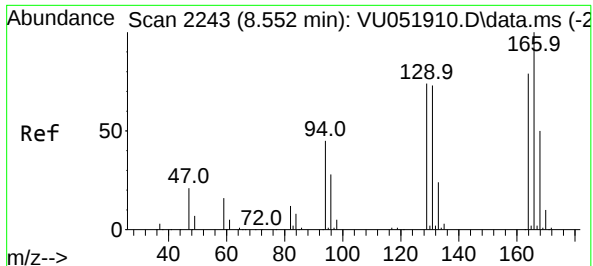
Tgt Ion:117 Resp: 3729
Ion Ratio Lower Upper
117 100
119 100.3 77.2 115.8



#34
Trichloroethene
Concen: 116.080 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU051912.D
Acq: 18 Nov 2022 19:25

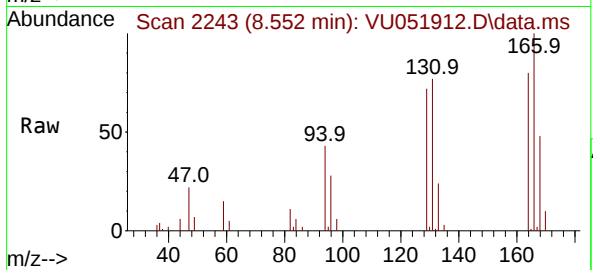
Tgt Ion: 95 Resp: 2329627
Ion Ratio Lower Upper
95 100
97 64.3 43.7 81.1
132 91.9 64.3 119.3
130 95.7 67.3 124.9





#47
 Tetrachloroethene
 Concen: 0.689 ug/L
 RT: 8.552 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU051912.D
 Acq: 18 Nov 2022 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 BH1H1



Tgt Ion:	164	Resp:	10597
Ion	Ratio	Lower	Upper
164	100		
129	89.7	67.4	125.2
131	96.1	67.1	124.7
166	125.1	89.7	166.5

