

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
 Data File : VU051930.D
 Acq On : 19 Nov 2022 03:33
 Operator : JC/MD
 Sample : N5684-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH1J9

Quant Time: Nov 19 04:09:33 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)

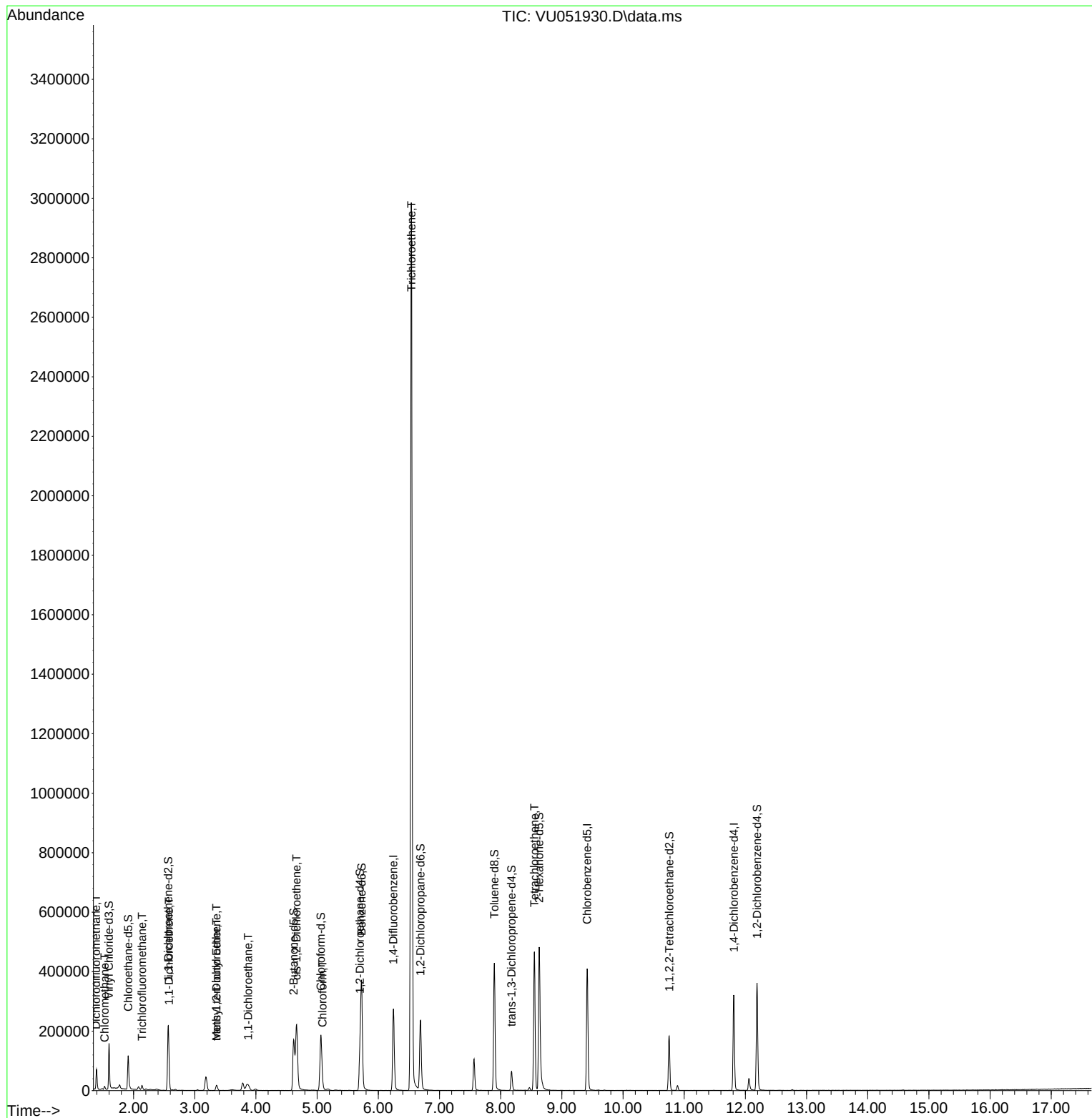
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	230644	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	239257	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	89067	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	114472	5.102	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 102.000%		
7) Chloroethane-d5	1.913	69	92357	5.300	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 106.000%		
11) 1,1-Dichloroethene-d2	2.565	65	41086	5.109	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 102.200%		
20) 2-Butanone-d5	4.617	46	217872	53.576	ug/L	-0.03
Spiked Amount	50.000	Range 40 - 130	Recovery	= 107.160%		
24) Chloroform-d	5.060	84	175484	5.323	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 106.400%		
26) 1,2-Dichloroethane-d4	5.700	65	90763	5.451	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 109.000%		
32) Benzene-d6	5.726	84	371113	5.225	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 104.400%		
36) 1,2-Dichloropropane-d6	6.690	67	121064	5.507	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 110.200%		
41) Toluene-d8	7.896	98	301806	4.696	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 94.000%		
43) trans-1,3-Dichloroprop...	8.179	79	37534	4.686	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 93.800%		
46) 2-Hexanone-d5	8.629	63	168126	49.525	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 99.040%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	94655	4.966	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 99.400%		
66) 1,2-Dichlorobenzene-d4	12.192	152	101068	5.927	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 118.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	3333	0.167	ug/L	100
3) Chloromethane	1.527	50	7630	0.292	ug/L	88
9) Trichlorofluoromethane	2.138	101	8626	0.313	ug/L	96
12) 1,1-Dichloroethene	2.578	96	3956	0.236	ug/L #	1
17) Methyl tert-butyl Ether	3.356	73	6956	0.186	ug/L #	94
18) trans-1,2-Dichloroethene	3.356	96	5574	0.311	ug/L	92
19) 1,1-Dichloroethane	3.874	63	3839	0.119	ug/L #	92
22) cis-1,2-Dichloroethene	4.665	96	113879	6.050	ug/L	96
25) Chloroform	5.086	83	15037	0.459	ug/L	99
34) Trichloroethene	6.539	95	1049253	54.026	ug/L	98
47) Tetrachloroethene	8.552	164	107619	7.230	ug/L	98

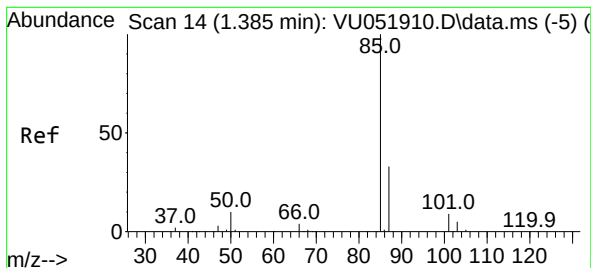
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
Data File : VU051930.D
Acq On : 19 Nov 2022 03:33
Operator : JC/MD
Sample : N5684-19
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BH1J9

Quant Time: Nov 19 04:09:33 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

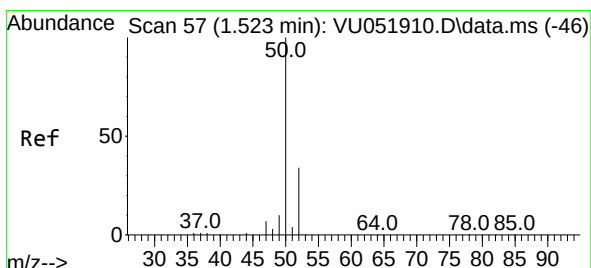
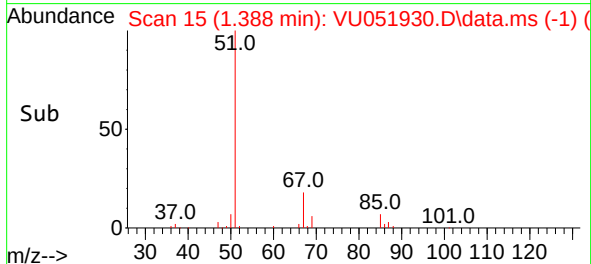
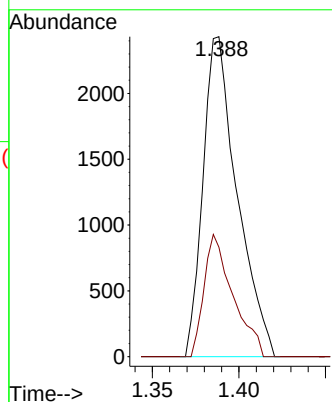
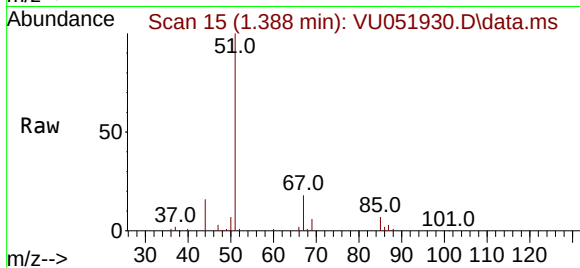




#2
Dichlorodifluoromethane
Concen: 0.167 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051930.D
Acq: 19 Nov 2022 03:33

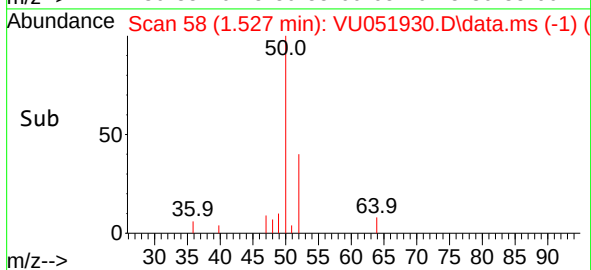
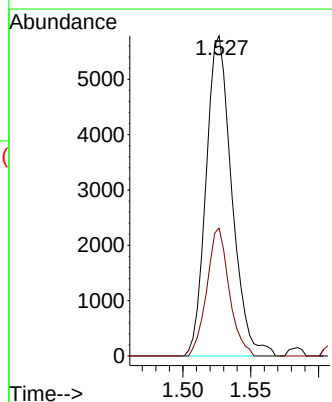
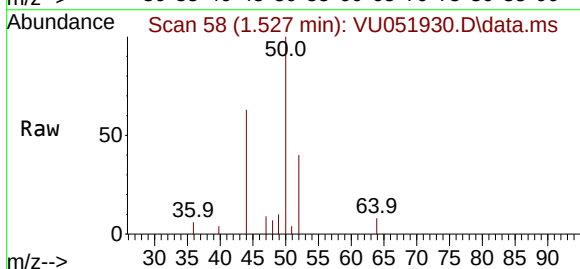
Instrument :
MSVOA_U
ClientSampleId :
BH1J9

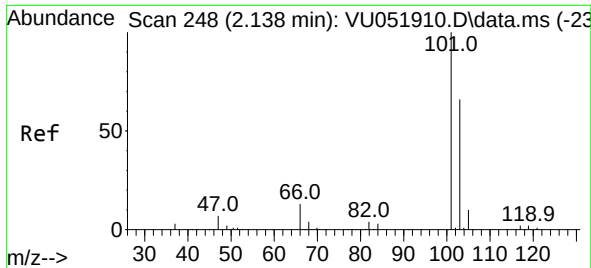
Tgt Ion: 85 Resp: 3333
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.8



#3
Chloromethane
Concen: 0.292 ug/L
RT: 1.527 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU051930.D
Acq: 19 Nov 2022 03:33

Tgt Ion: 50 Resp: 7630
Ion Ratio Lower Upper
50 100
52 39.9 23.4 43.4

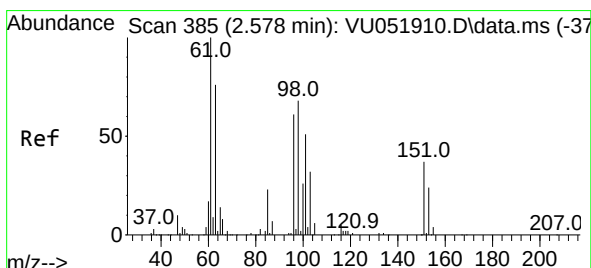
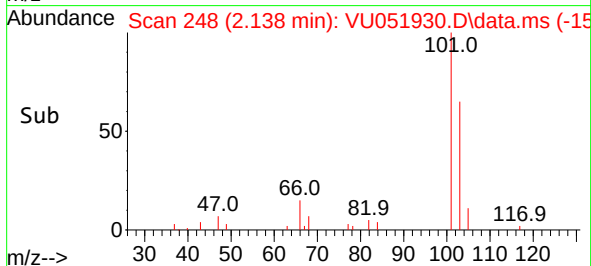
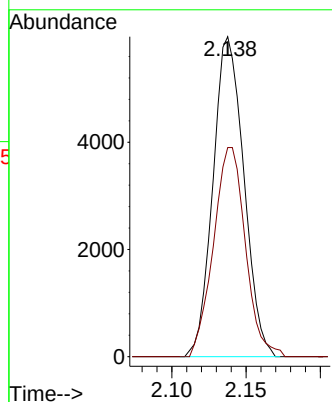
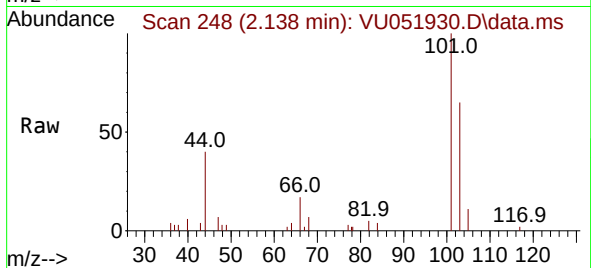




#9
 Trichlorofluoromethane
 Concen: 0.313 ug/L
 RT: 2.138 min Scan# 248
 Delta R.T. 0.000 min
 Lab File: VU051930.D
 Acq: 19 Nov 2022 03:33

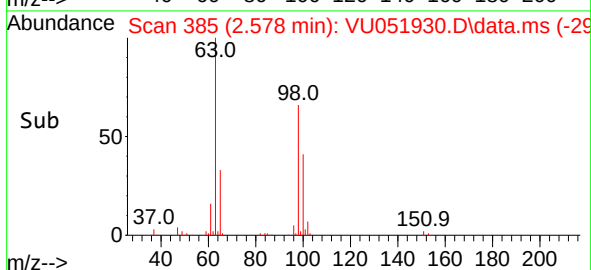
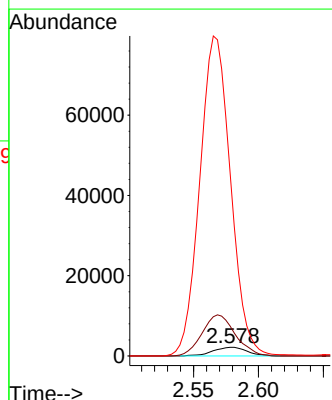
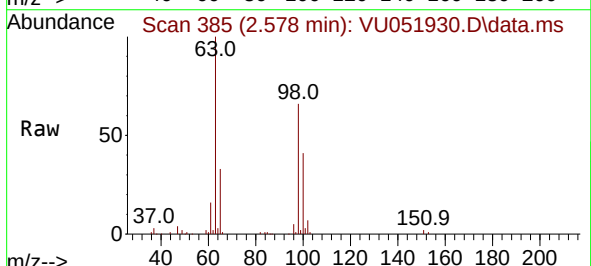
Instrument :
 MSVOA_U
 ClientSampleId :
 BH1J9

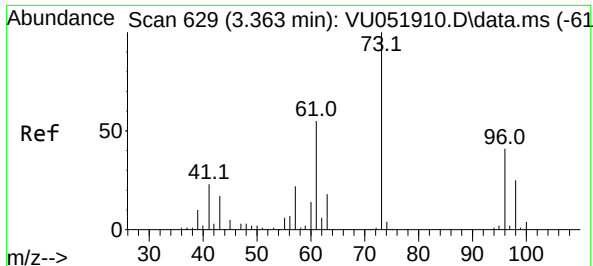
Tgt Ion:101 Resp: 8626
 Ion Ratio Lower Upper
 101 100
 103 67.7 51.6 77.4



#12
 1,1-Dichloroethene
 Concen: 0.236 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051930.D
 Acq: 19 Nov 2022 03:33

Tgt Ion: 96 Resp: 3956
 Ion Ratio Lower Upper
 96 100
 61 348.1 114.8 213.2#
 63 2126.0 93.7 174.1#

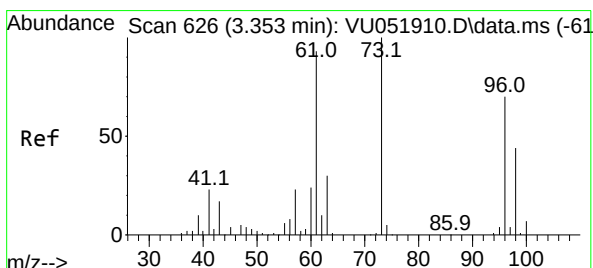
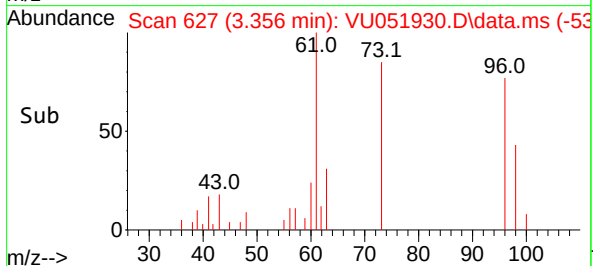
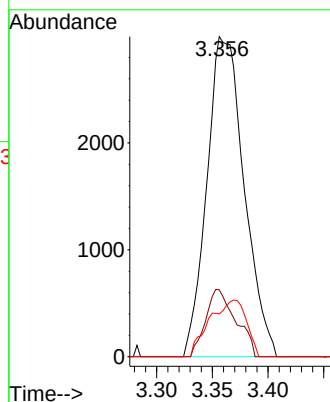
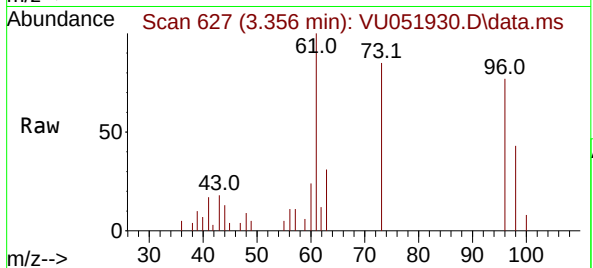




#17
Methyl tert-butyl Ether
Concen: 0.186 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU051930.D
Acq: 19 Nov 2022 03:33

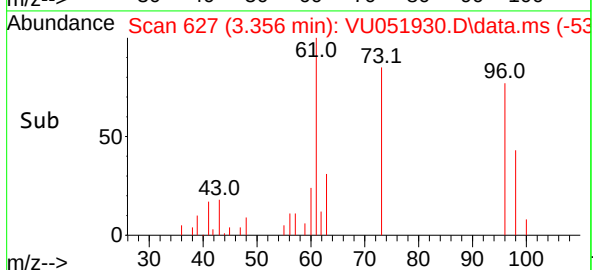
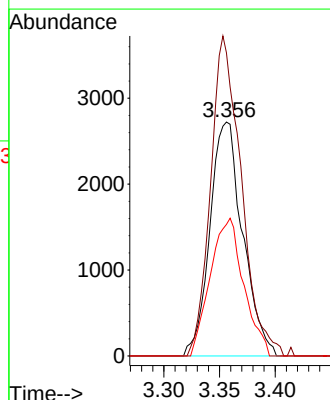
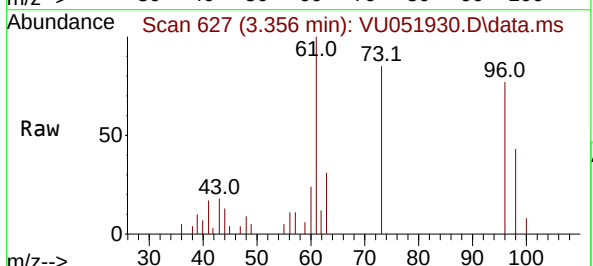
Instrument :
MSVOA_U
ClientSampleId :
BH1J9

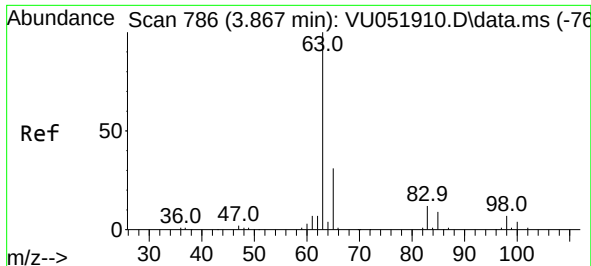
Tgt Ion: 73	Resp:	6956
Ion Ratio	Lower	Upper
73	100	
43	17.0	13.2 19.8
57	17.5	17.8 26.8#



#18
trans-1,2-Dichloroethene
Concen: 0.311 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.003 min
Lab File: VU051930.D
Acq: 19 Nov 2022 03:33

Tgt Ion: 96	Resp:	5574
Ion Ratio	Lower	Upper
96	100	
61	129.6	97.9 181.7
98	56.2	43.8 81.3





#19

1,1-Dichloroethane

Concen: 0.119 ug/L

RT: 3.874 min Scan# 71

Delta R.T. 0.007 min

Lab File: VU051930.D

Acq: 19 Nov 2022 03:33

Instrument :

MSVOA_U

ClientSampleId :

BH1J9

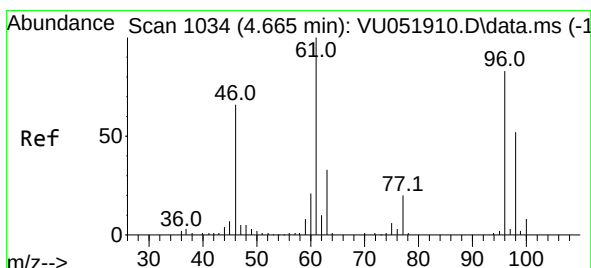
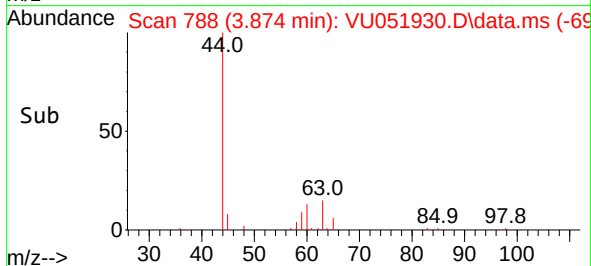
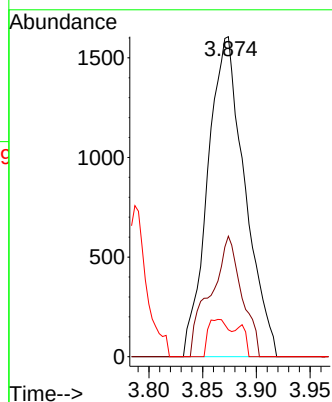
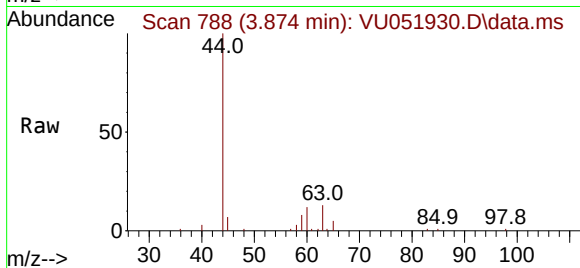
Tgt Ion: 63 Resp: 3839

Ion Ratio Lower Upper

63 100

65 35.1 22.2 41.2

83 7.8 9.2 17.0#



#22

cis-1,2-Dichloroethene

Concen: 6.050 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051930.D

Acq: 19 Nov 2022 03:33

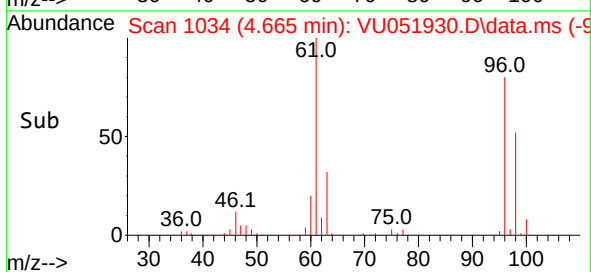
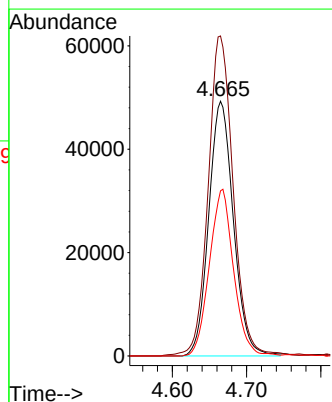
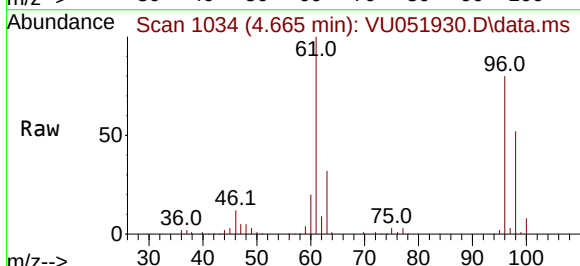
Tgt Ion: 96 Resp: 113879

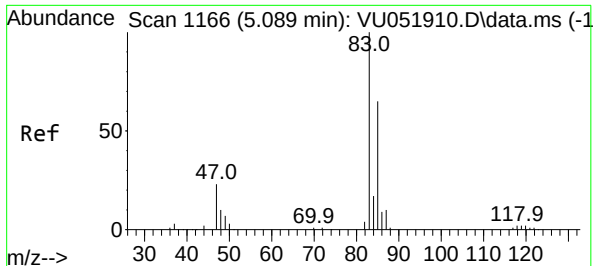
Ion Ratio Lower Upper

96 100

61 125.7 85.1 158.1

98 64.9 42.8 79.6





#25

Chloroform

Concen: 0.459 ug/L

RT: 5.086 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU051930.D

Acq: 19 Nov 2022 03:33

Instrument :

MSVOA_U

ClientSampleId :

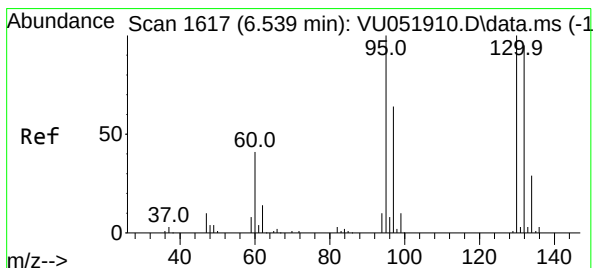
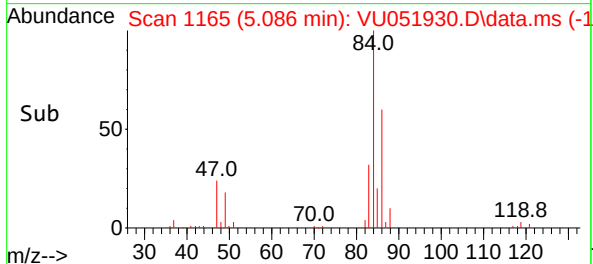
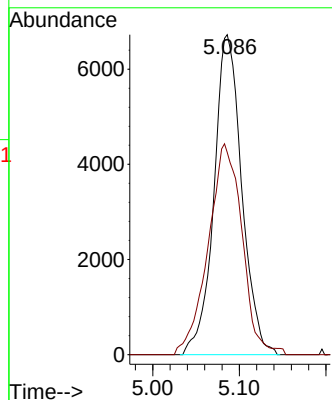
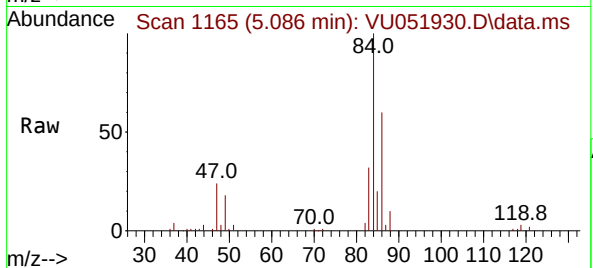
BH1J9

Tgt Ion: 83 Resp: 15037

Ion Ratio Lower Upper

83 100

85 63.2 43.8 81.4



#34

Trichloroethene

Concen: 54.026 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VU051930.D

Acq: 19 Nov 2022 03:33

Tgt Ion: 95 Resp: 1049253

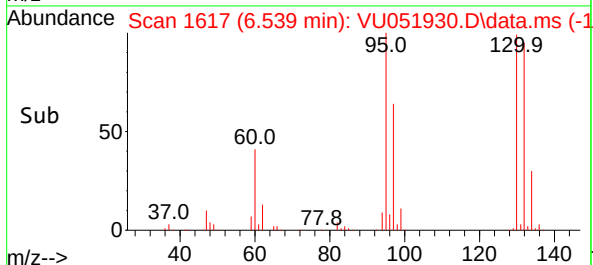
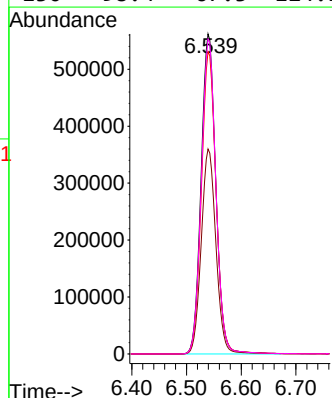
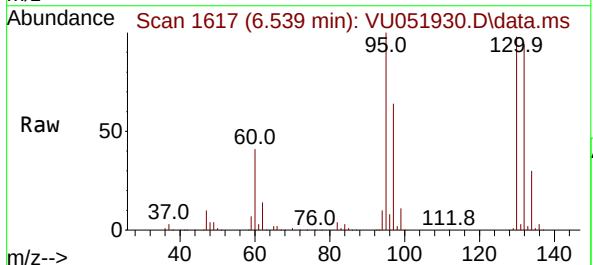
Ion Ratio Lower Upper

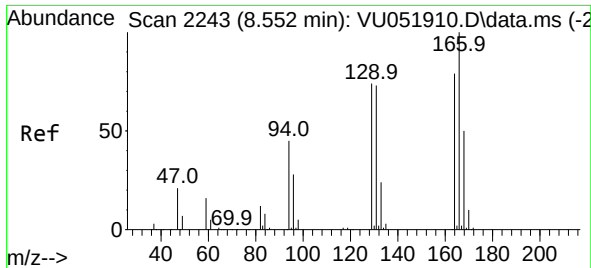
95 100

97 64.0 43.7 81.1

132 94.5 64.3 119.3

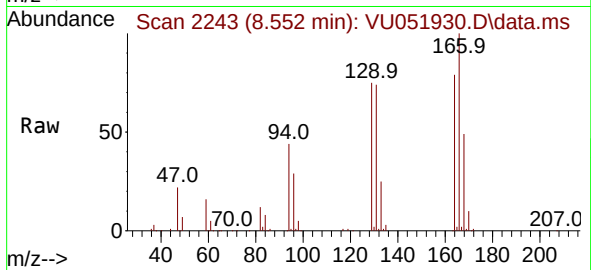
130 98.4 67.3 124.9





#47
 Tetrachloroethene
 Concen: 7.230 ug/L
 RT: 8.552 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU051930.D
 Acq: 19 Nov 2022 03:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BH1J9



Tgt Ion:164 Resp: 107619

Ion	Ratio	Lower	Upper
164	100		
129	95.0	67.4	125.2
131	92.9	67.1	124.7
166	126.1	89.7	166.5

