

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053537.D
 Acq On : 03 Apr 2023 22:45
 Operator : JC/MD
 Sample : VU0403WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK065

Quant Time: Apr 04 06:57:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

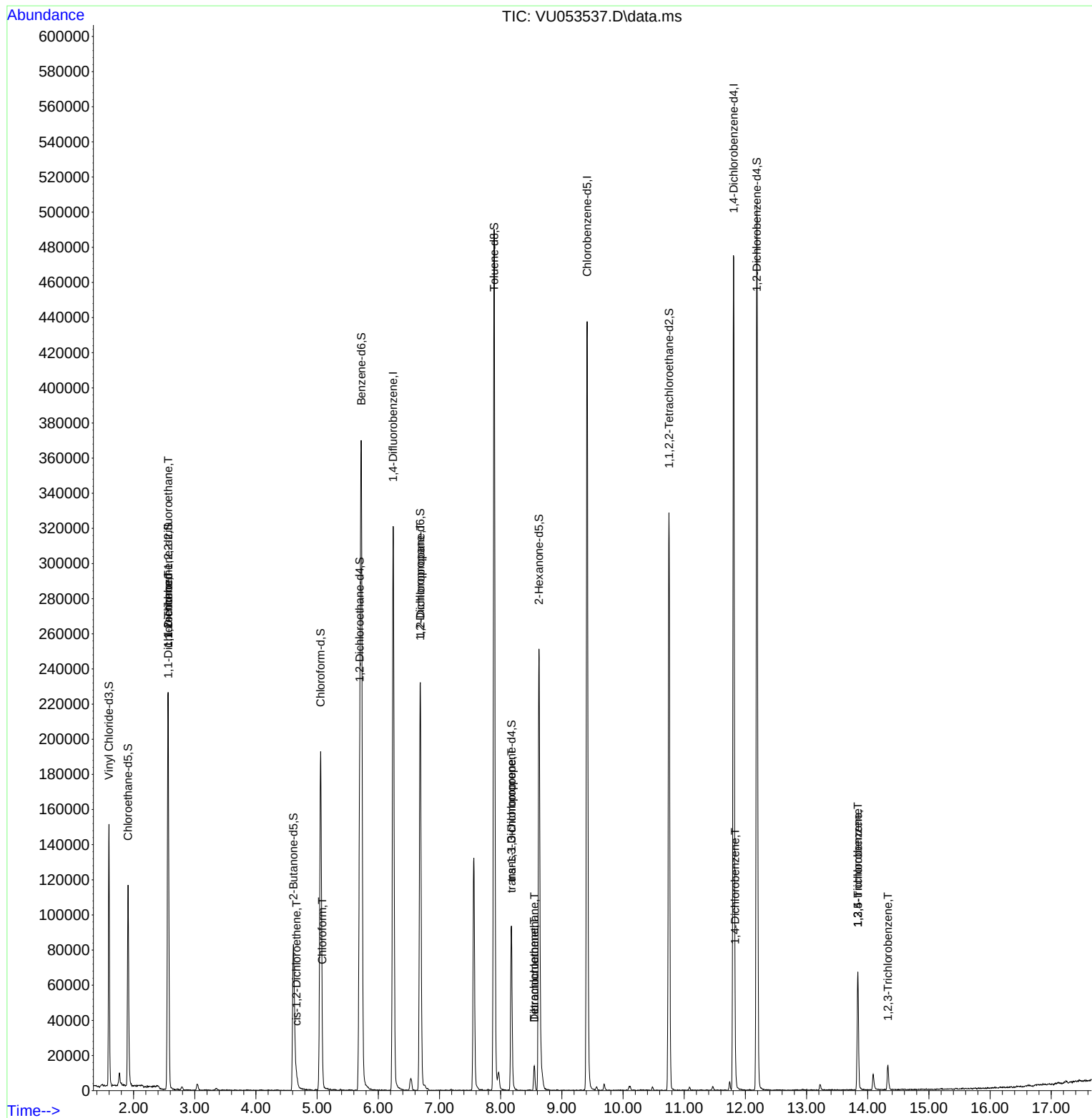
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	276324	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	254433	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	129993	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	105749	49.148	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.300%		
7) Chloroethane-d5	1.909	69	85391	51.473	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	102.940%		
11) 1,1-Dichloroethene-d2	2.565	63	127666	38.331	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.660%		
21) 2-Butanone-d5	4.613	46	116340	119.426	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	119.430%		
24) Chloroform-d	5.057	84	174871	49.143	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.280%		
26) 1,2-Dichloroethane-d4	5.697	65	113907	54.173	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	108.340%		
32) Benzene-d6	5.723	84	360659	52.514	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	105.020%		
36) 1,2-Dichloropropane-d6	6.684	67	114498	54.544	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	109.080%		
41) Toluene-d8	7.893	98	339443	49.728	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.460%		
43) trans-1,3-Dichloroprop...	8.176	79	55348	51.079	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	102.160%		
47) 2-Hexanone-d5	8.626	63	91522	127.748	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	127.750%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	160245	54.161	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	108.320%		
66) 1,2-Dichlorobenzene-d4	12.188	152	132945	48.995	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.000%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1639	0.861	ug/L #	26
12) 1,1-Dichloroethene	2.568	96	1424	0.840	ug/L #	1
20) cis-1,2-Dichloroethene	4.661	96	2459	1.249	ug/L	90
25) Chloroform	5.083	83	2164	0.668	ug/L	83
37) 1,2-Dichloropropane	6.687	63	11519	6.843	ug/L #	86
44) trans-1,3-Dichloropropene	8.179	75	2820	1.084	ug/L	100
46) Tetrachloroethene	8.549	164	2956	1.777	ug/L	95
49) Dibromochloromethane	8.552	129	2843	1.479	ug/L #	11
65) 1,4-Dichlorobenzene	11.832	146	6119	1.495	ug/L	93
69) 1,3,5-Trichlorobenzene	13.838	180	21238	7.142	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	21238	7.703	ug/L	97
72) 1,2,3-Trichlorobenzene	14.330	180	5270	1.914	ug/L	97

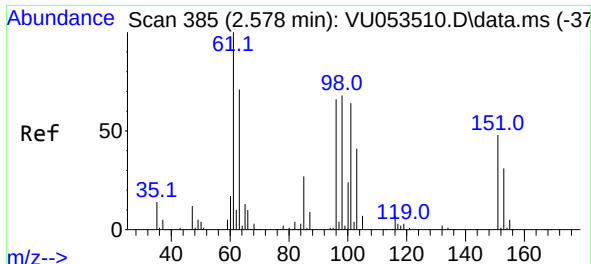
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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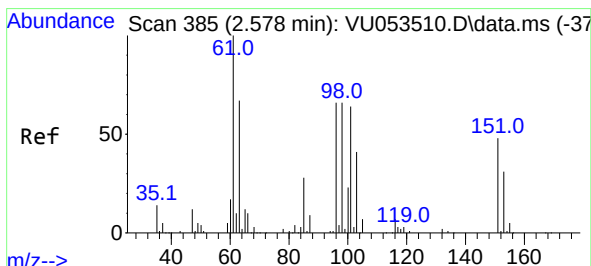
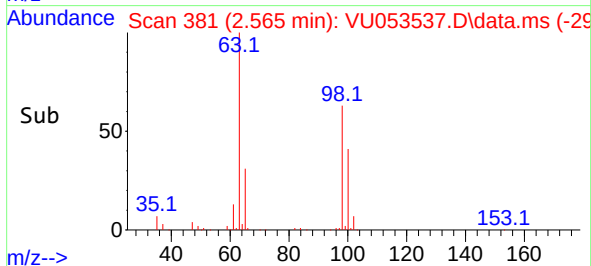
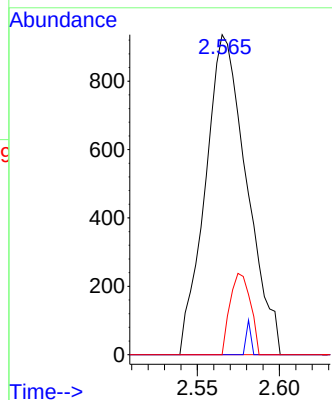
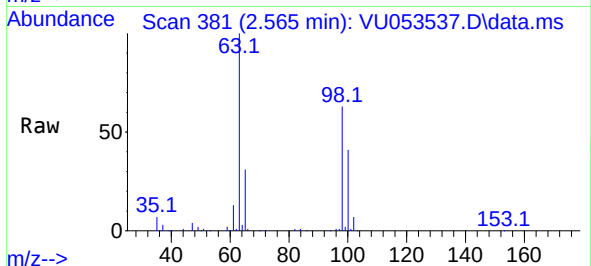




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.861 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.013 min
Lab File: VU053537.D
Acq: 03 Apr 2023 22:45

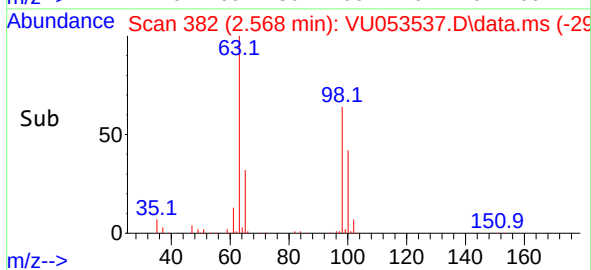
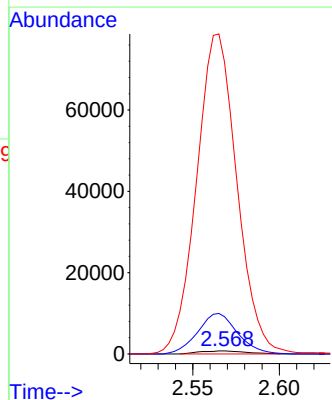
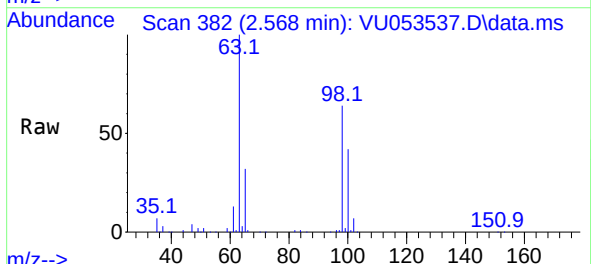
Instrument :
MSVOA_U
ClientSampleId :
VBLK065

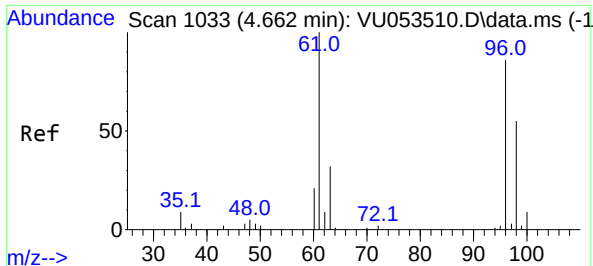
Tgt Ion:101 Resp: 1639
Ion Ratio Lower Upper
101 100
85 0.0 32.6 48.8#
151 12.4 65.8 98.6#



#12
1,1-Dichloroethene
Concen: 0.840 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.010 min
Lab File: VU053537.D
Acq: 03 Apr 2023 22:45

Tgt Ion: 96 Resp: 1424
Ion Ratio Lower Upper
96 100
61 1216.1 107.9 200.5#
63 9533.1 79.1 146.9#

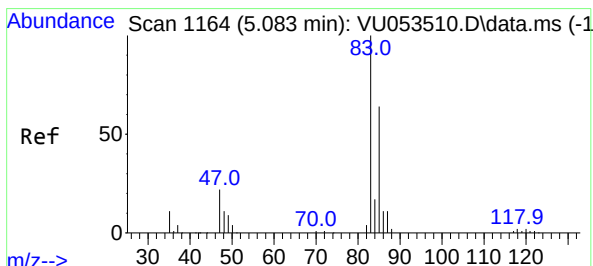
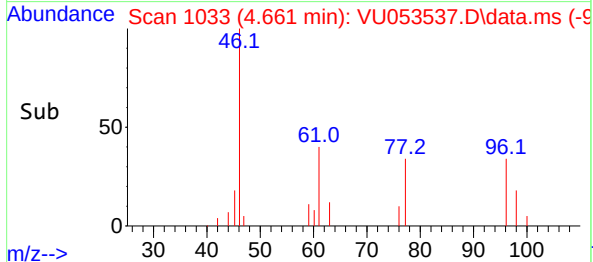
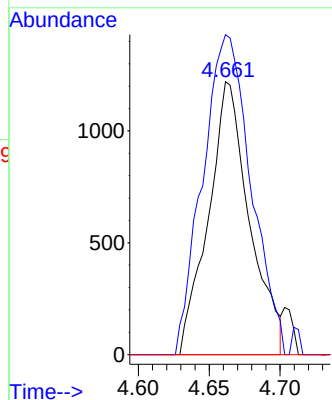
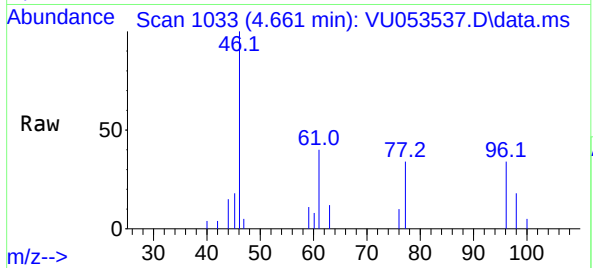




#20
cis-1,2-Dichloroethene
Concen: 1.249 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053537.D
Acq: 03 Apr 2023 22:45

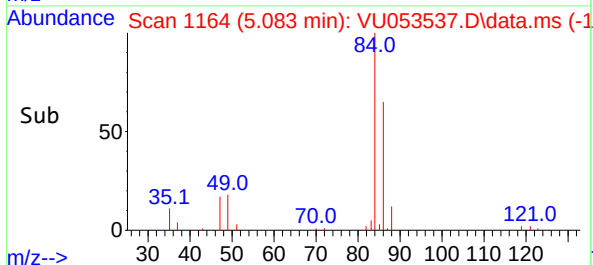
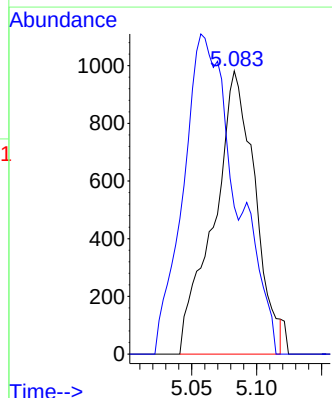
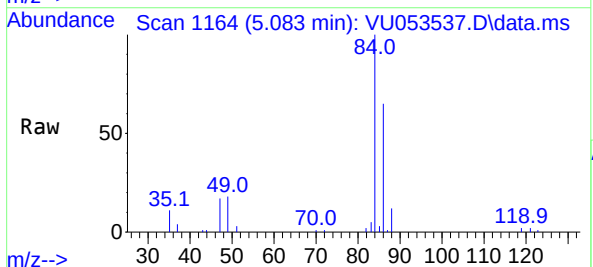
Instrument :
MSVOA_U
ClientSampleId :
VBLK065

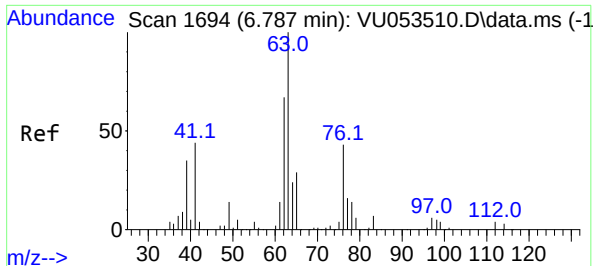
Tgt Ion: 96 Resp: 2459
Ion Ratio Lower Upper
96 100
61 117.2 74.7 138.7
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.668 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU053537.D
Acq: 03 Apr 2023 22:45

Tgt Ion: 83 Resp: 2164
Ion Ratio Lower Upper
83 100
85 52.0 46.1 85.5

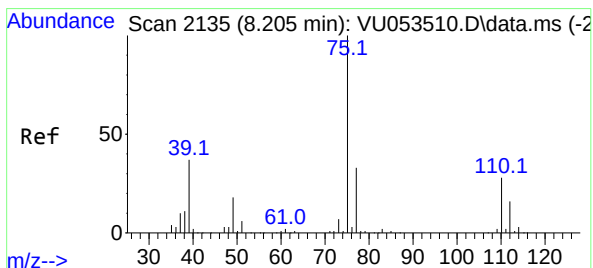
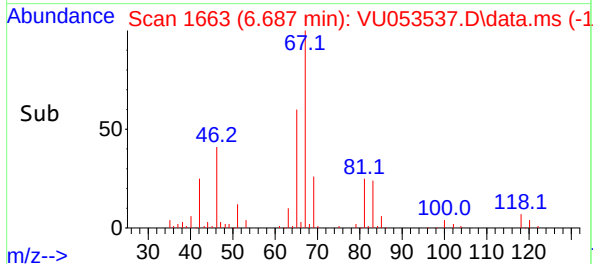
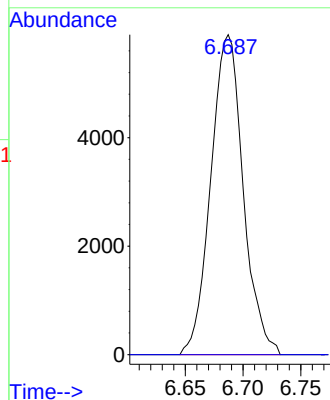
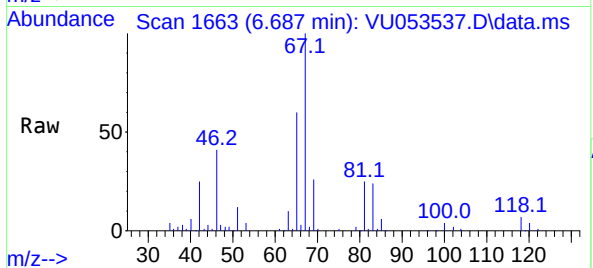




#37
1,2-Dichloropropane
Concen: 6.843 ug/L
RT: 6.687 min Scan# 11519
Delta R.T. -0.096 min
Lab File: VU053537.D
Acq: 03 Apr 2023 22:45

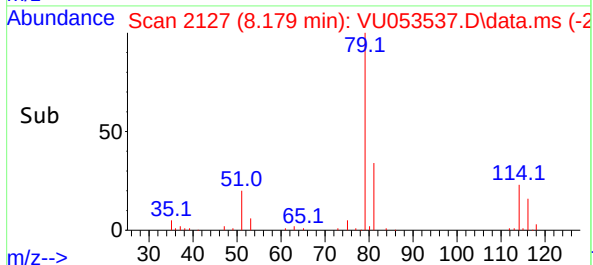
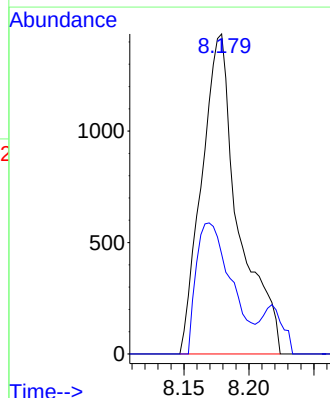
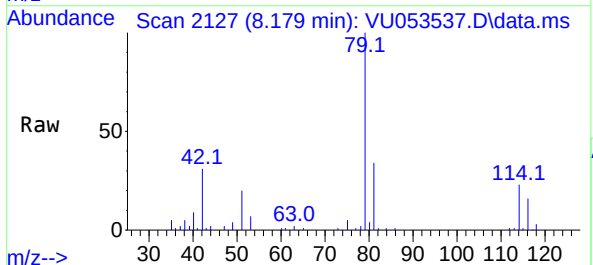
Instrument :
MSVOA_U
ClientSampleId :
VBLK065

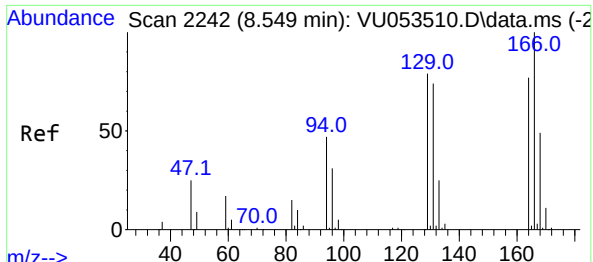
Tgt Ion: 63 Resp: 11519
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



#44
trans-1,3-Dichloropropene
Concen: 1.084 ug/L
RT: 8.179 min Scan# 2127
Delta R.T. -0.026 min
Lab File: VU053537.D
Acq: 03 Apr 2023 22:45

Tgt Ion: 75 Resp: 2820
Ion Ratio Lower Upper
75 100
77 31.2 21.8 40.4



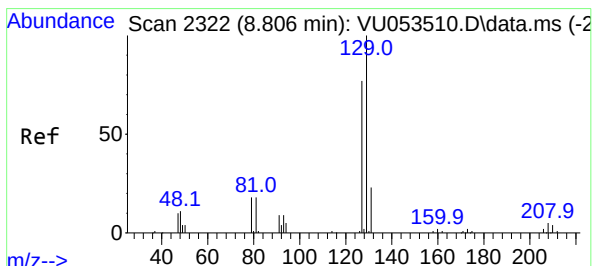
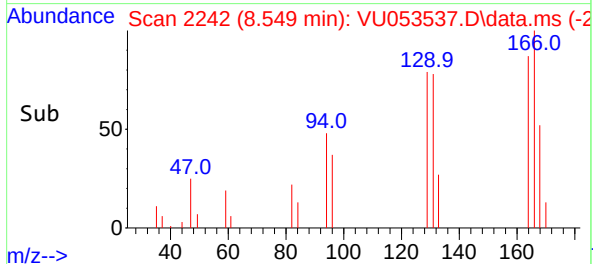
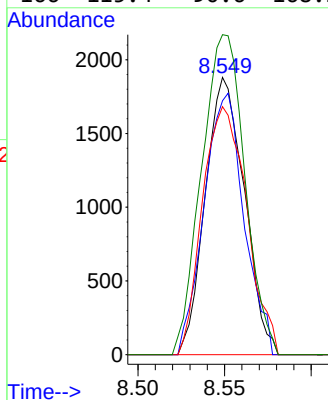
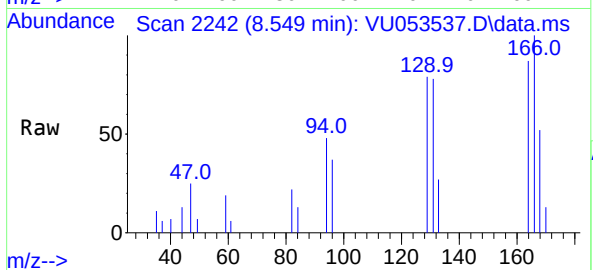


#46
Tetrachloroethene
Concen: 1.777 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053537.D
Acq: 03 Apr 2023 22:45

Instrument :
MSVOA_U
ClientSampleId :
VBLK065

Tgt Ion:164 Resp: 2956

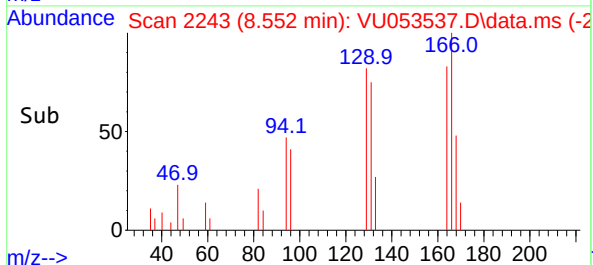
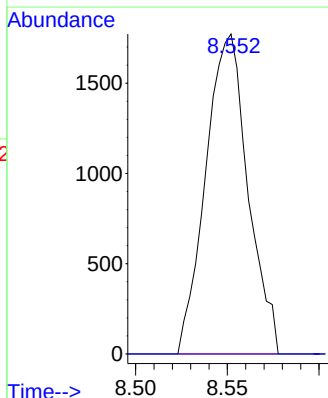
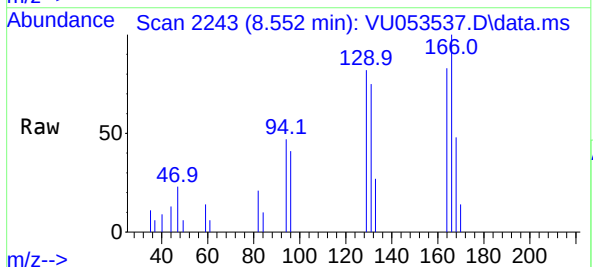
Ion	Ratio	Lower	Upper
164	100		
129	91.6	64.0	119.0
131	89.5	61.9	115.1
166	115.4	90.6	168.2

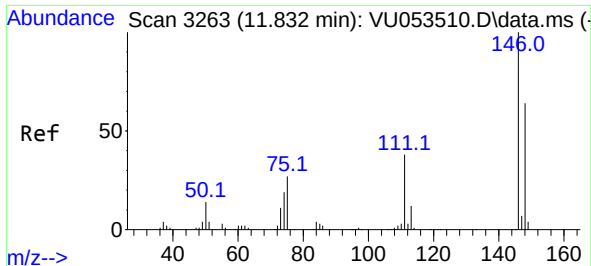


#49
Dibromochloromethane
Concen: 1.479 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.251 min
Lab File: VU053537.D
Acq: 03 Apr 2023 22:45

Tgt Ion:129 Resp: 2843

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.5	99.3#

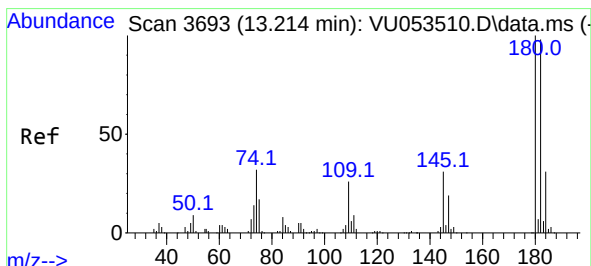
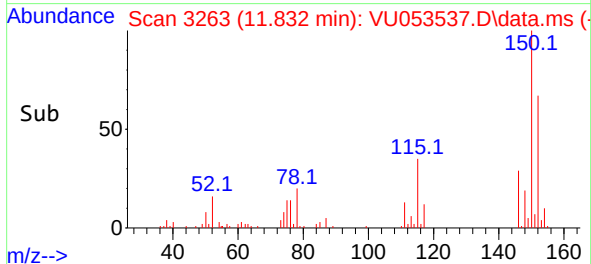
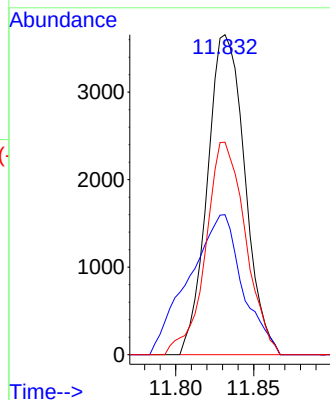
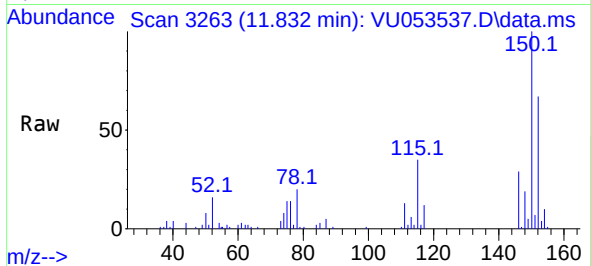




#65
1,4-Dichlorobenzene
Concen: 1.495 ug/L
RT: 11.832 min Scan# 3119
Delta R.T. 0.000 min
Lab File: VU053537.D
Acq: 03 Apr 2023 22:45

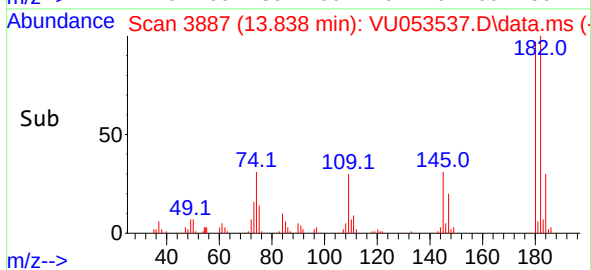
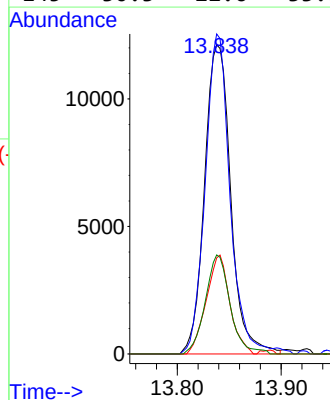
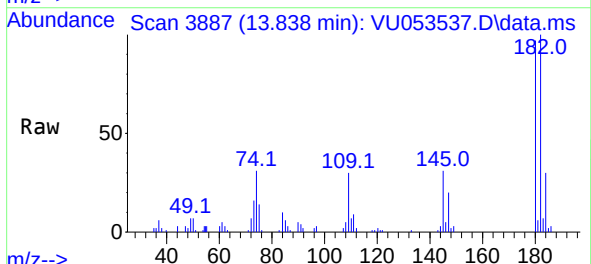
Instrument :
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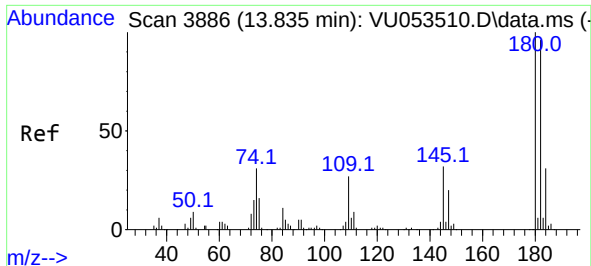
Tgt Ion:146	Resp:	6119
Ion	Ratio	Lower Upper
146	100	
111	43.8	25.1 46.5
148	66.4	44.3 82.3



#69
1,3,5-Trichlorobenzene
Concen: 7.142 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.624 min
Lab File: VU053537.D
Acq: 03 Apr 2023 22:45

Tgt Ion:180	Resp:	21238
Ion	Ratio	Lower Upper
180	100	
182	97.5	75.6 113.4
184	28.8	24.2 36.2
145	30.3	22.6 33.8

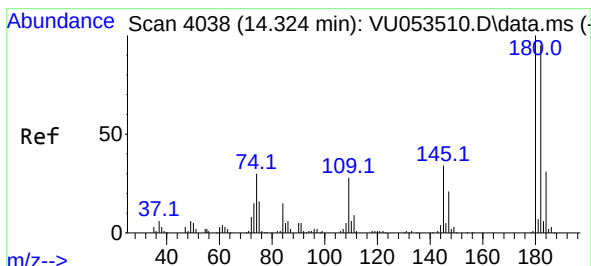
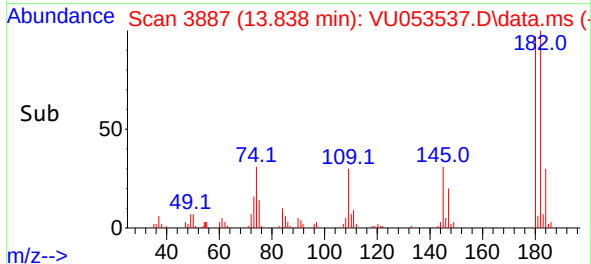
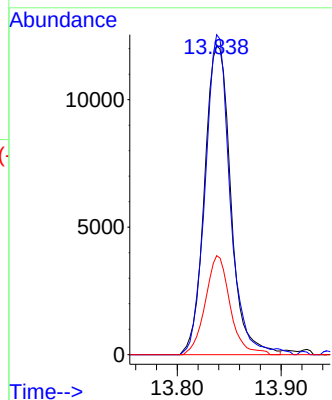
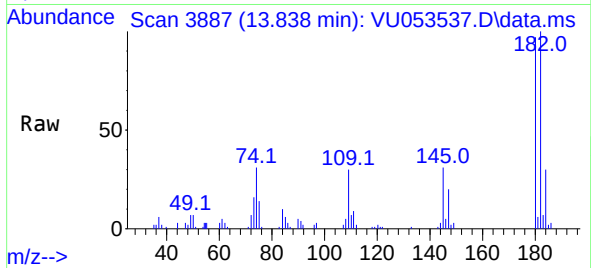




#70
1,2,4-trichlorobenzene
Concen: 7.703 ug/L
RT: 13.838 min Scan# 3886
Delta R.T. 0.003 min
Lab File: VU053537.D
Acq: 03 Apr 2023 22:45

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:180 Resp: 21238
Ion Ratio Lower Upper
180 100
182 97.5 75.8 113.8
145 30.3 23.4 35.2



#72
1,2,3-Trichlorobenzene
Concen: 1.914 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.006 min
Lab File: VU053537.D
Acq: 03 Apr 2023 22:45

Tgt Ion:180 Resp: 5270
Ion Ratio Lower Upper
180 100
182 96.6 77.0 115.6
145 36.8 25.4 38.0

