

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112222\
 Data File : VU052051.D
 Acq On : 22 Nov 2022 19:45
 Operator : JC/MD
 Sample : N5684-09DL 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 00:50:01 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)

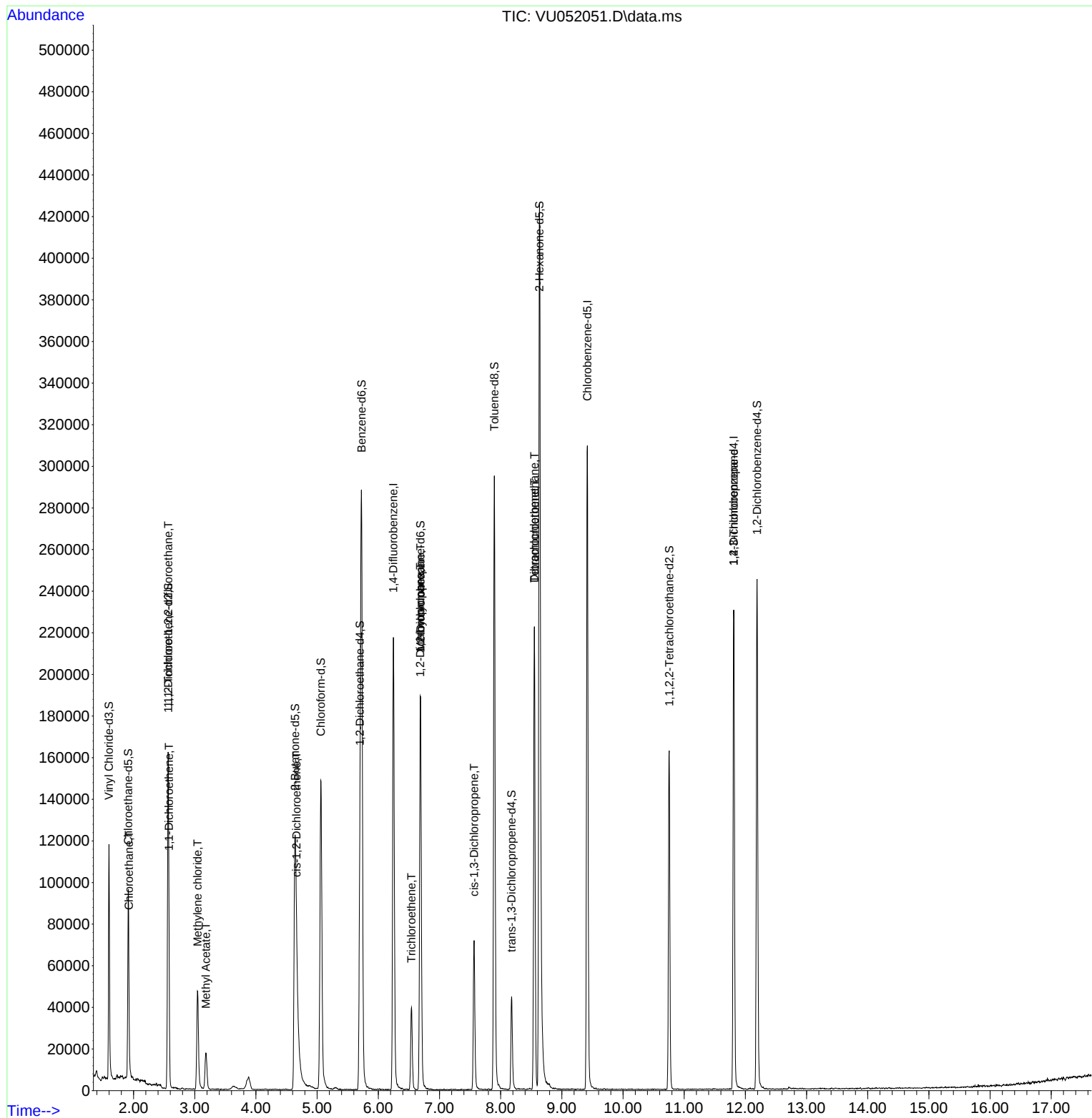
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	180694	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	182698	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	66816	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	85752	4.879	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	97.600%	
7) Chloroethane-d5	1.913	69	72886	5.339	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	106.800%	
11) 1,1-Dichloroethene-d2	2.565	65	30332	4.814	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	96.200%	
20) 2-Butanone-d5	4.639	46	215144	67.530	ug/L	0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	135.060%#	
24) Chloroform-d	5.060	84	144981	5.614	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	112.200%	
26) 1,2-Dichloroethane-d4	5.700	65	78417	6.012	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	120.200%	
32) Benzene-d6	5.726	84	283248	5.222	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	104.400%	
36) 1,2-Dichloropropane-d6	6.690	67	99886	5.951	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	119.000%	
41) Toluene-d8	7.896	98	208705	4.253	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	85.000%	
43) trans-1,3-Dichloroprop...	8.179	79	27730	4.533	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	90.600%	
46) 2-Hexanone-d5	8.633	63	154875	59.745	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	119.480%	
56) 1,1,2,2-Tetrachloroeth...	10.755	84	84569	5.811	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	116.200%	
66) 1,2-Dichlorobenzene-d4	12.192	152	69833	5.459	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	109.200%	
Target Compounds						
					Qvalue	
8) Chloroethane	1.922	64	1463	0.120	ug/L #	63
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	870	0.066	ug/L #	20
12) 1,1-Dichloroethene	2.578	96	2729	0.208	ug/L #	1
15) Methyl Acetate	3.183	43	1395	0.249	ug/L #	48
16) Methylene chloride	3.044	84	26016	1.467	ug/L	95
22) cis-1,2-Dichloroethene	4.665	96	863	0.059	ug/L #	25
34) Trichloroethene	6.543	95	14297	0.964	ug/L	99
35) Methylcyclohexane	6.687	83	22063	1.034	ug/L #	19
37) 1,2-Dichloropropane	6.684	63	9687	0.629	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	1784	0.090	ug/L #	50
47) Tetrachloroethene	8.552	164	52120	4.586	ug/L	97
49) Dibromochloromethane	8.552	129	49632	3.831	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	7982	1.044	ug/L #	66

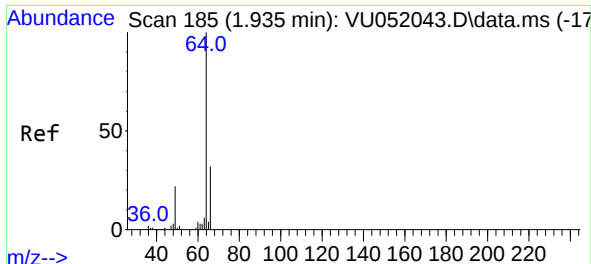
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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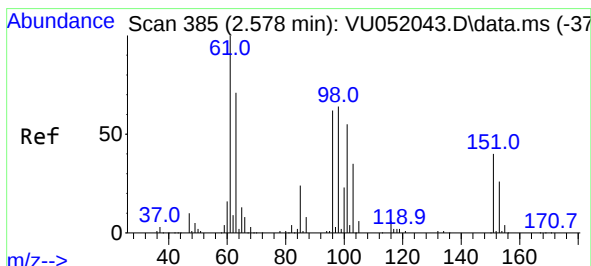
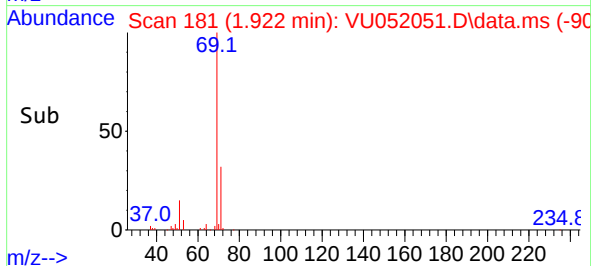
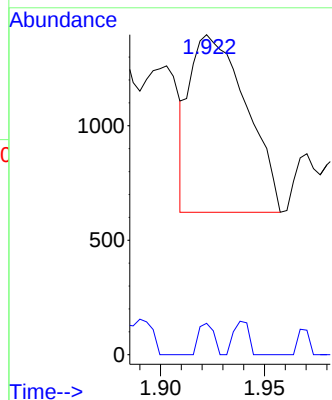
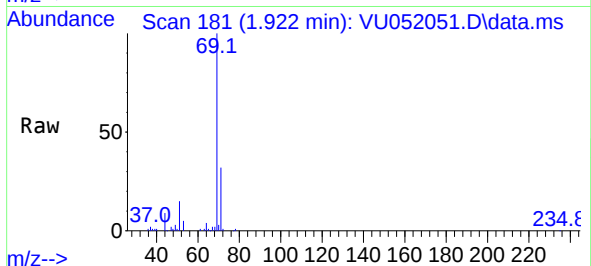




#8
Chloroethane
Concen: 0.120 ug/L
RT: 1.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU052051.D
Acq: 22 Nov 2022 19:45

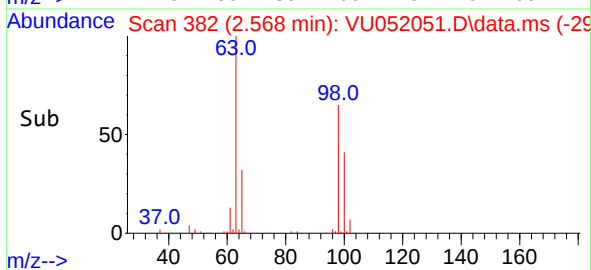
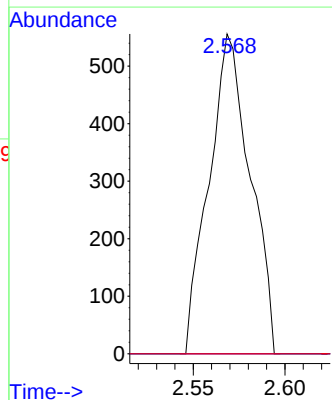
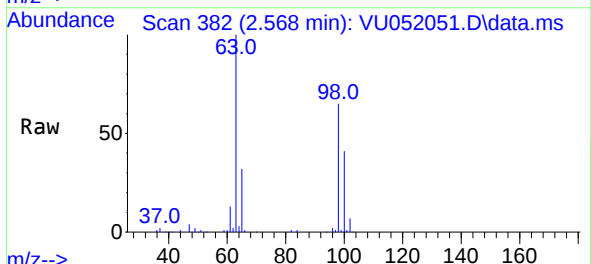
Instrument :
MSVOA_U
ClientSampleId :

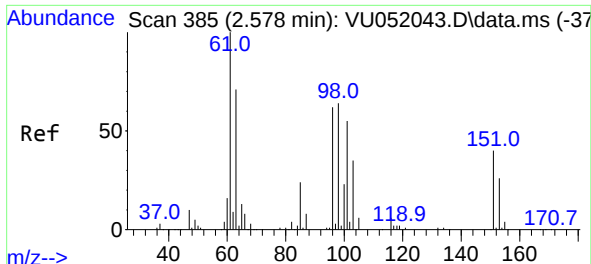
Tgt Ion: 64 Resp: 1463
Ion Ratio Lower Upper
64 100
66 9.8 21.1 39.1#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.066 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.009 min
Lab File: VU052051.D
Acq: 22 Nov 2022 19:45

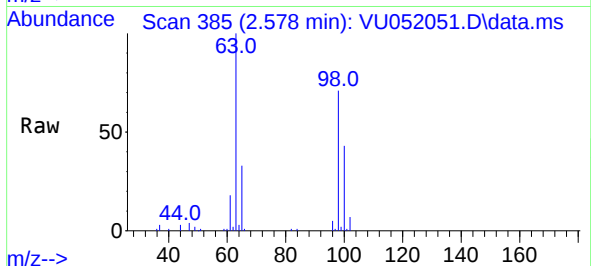
Tgt Ion:101 Resp: 870
Ion Ratio Lower Upper
101 100
85 0.0 33.8 50.6#
151 0.0 58.6 88.0#



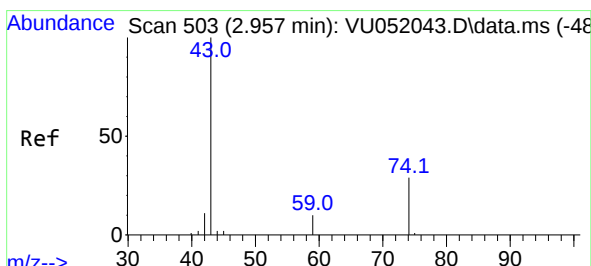
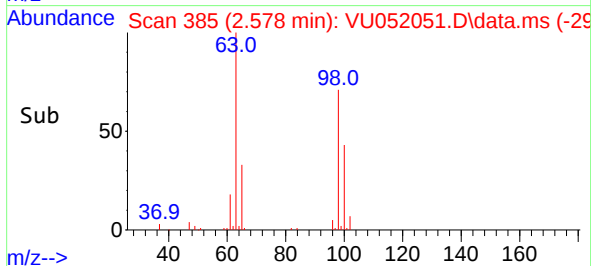
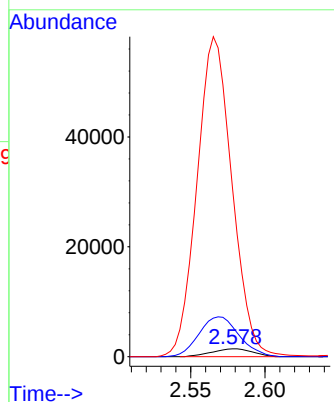


#12
1,1-Dichloroethene
Concen: 0.208 ug/L
RT: 2.578 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052051.D
Acq: 22 Nov 2022 19:45

Instrument :
MSVOA_U
ClientSampleId :

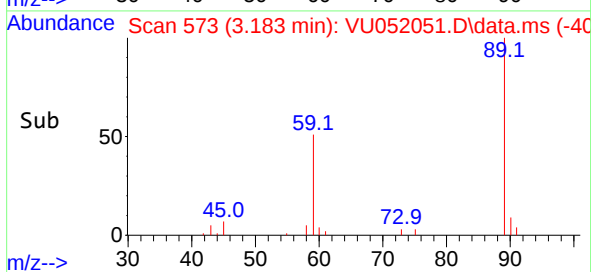
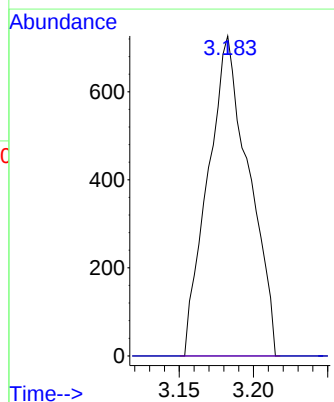
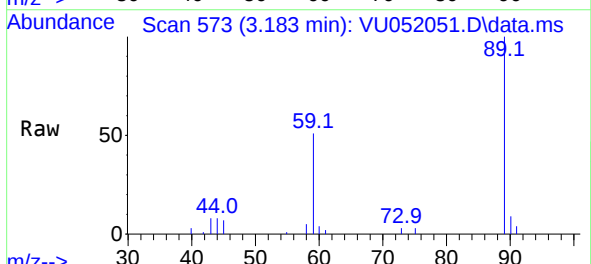


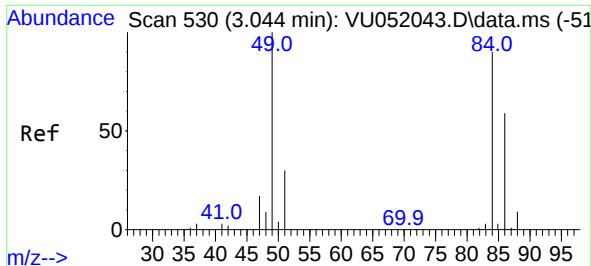
Tgt Ion: 96 Resp: 2729
Ion Ratio Lower Upper
96 100
61 380.8 114.8 213.2#
63 2144.9 93.7 174.1#



#15
Methyl Acetate
Concen: 0.249 ug/L
RT: 3.183 min Scan# 573
Delta R.T. 0.235 min
Lab File: VU052051.D
Acq: 22 Nov 2022 19:45

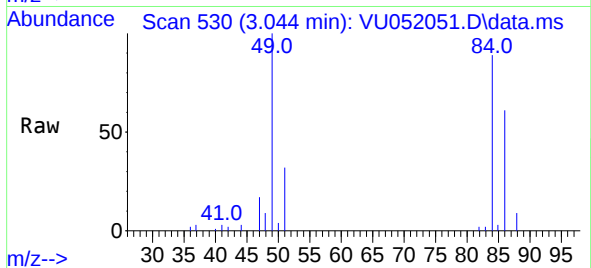
Tgt Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
74 0.0 21.3 31.9#



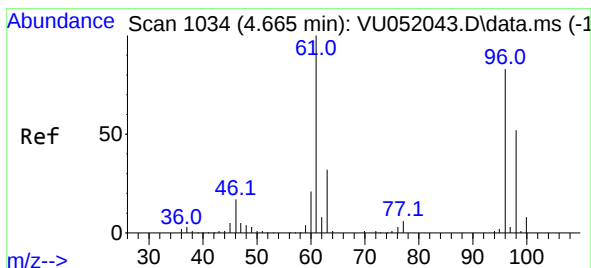
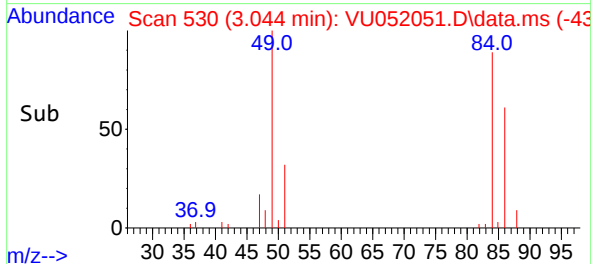
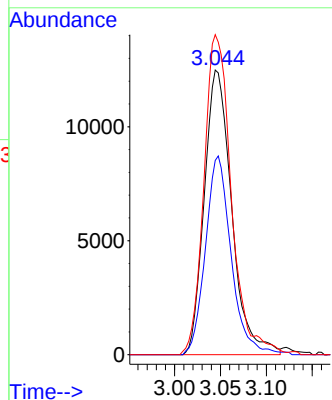


#16
Methylene chloride
Concen: 1.467 ug/L
RT: 3.044 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU052051.D
Acq: 22 Nov 2022 19:45

Instrument :
MSVOA_U
ClientSampleId :

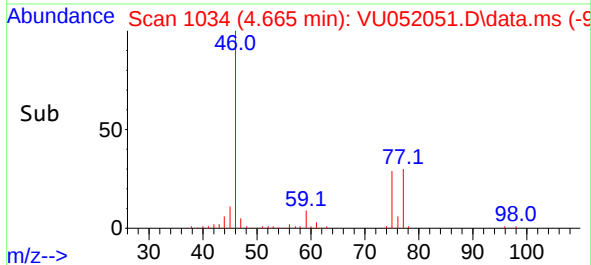
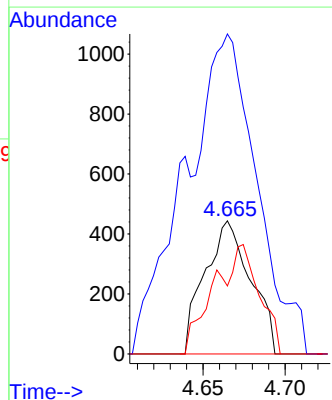
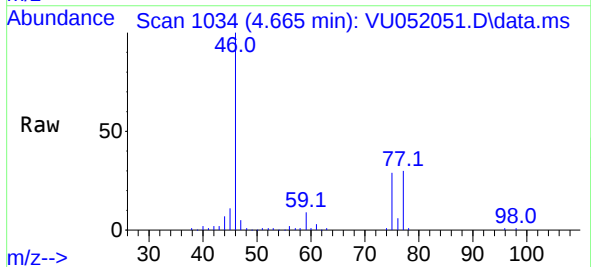


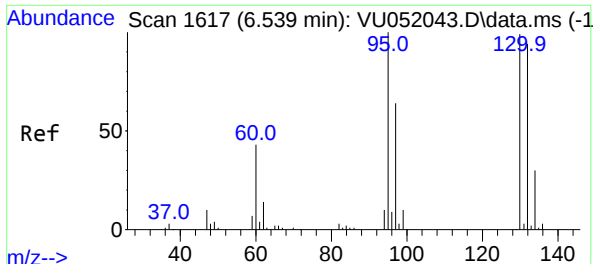
Tgt Ion: 84 Resp: 26016
Ion Ratio Lower Upper
84 100
86 68.2 43.8 81.4
49 112.4 75.9 141.1



#22
cis-1,2-Dichloroethene
Concen: 0.059 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU052051.D
Acq: 22 Nov 2022 19:45

Tgt Ion: 96 Resp: 863
Ion Ratio Lower Upper
96 100
61 240.3 85.1 158.1#
98 51.1 42.8 79.6



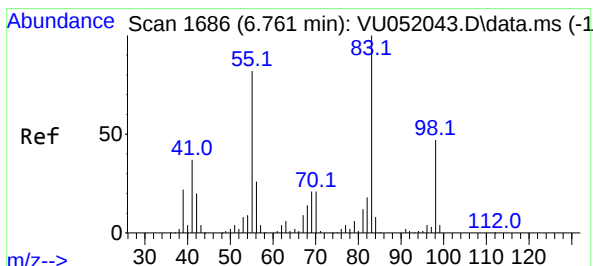
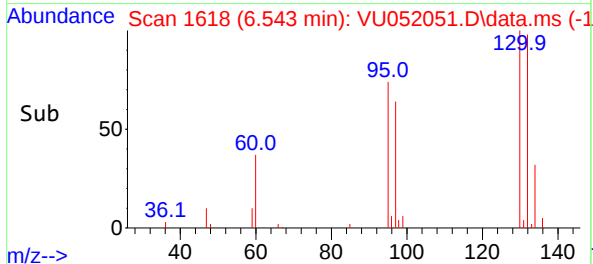
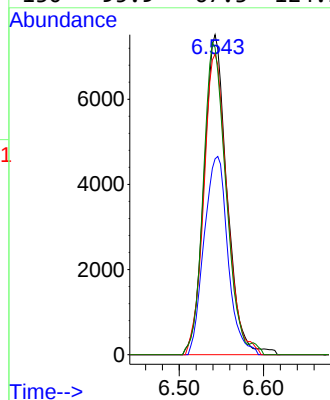
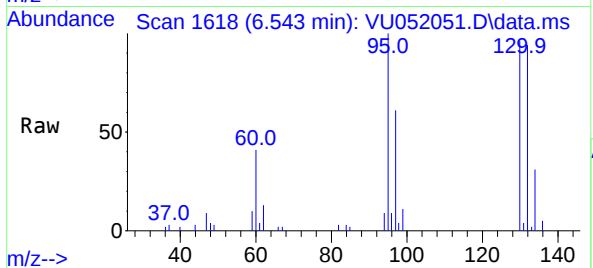


#34
Trichloroethene
Concen: 0.964 ug/L
RT: 6.543 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU052051.D
Acq: 22 Nov 2022 19:45

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 14297

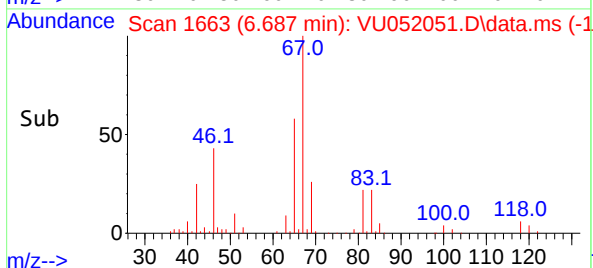
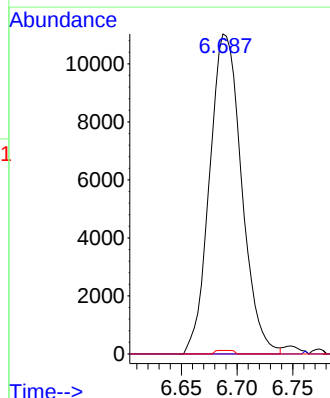
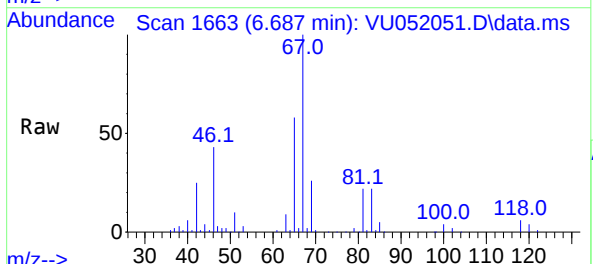
Ion	Ratio	Lower	Upper
95	100		
97	61.2	43.7	81.1
132	93.9	64.3	119.3
130	95.9	67.3	124.9

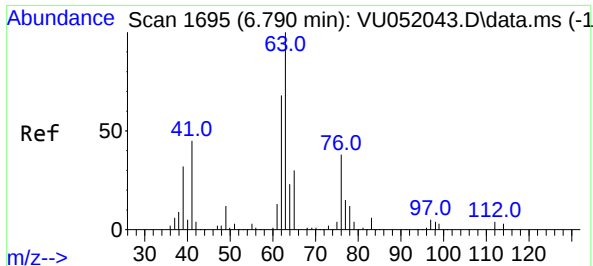


#35
Methylcyclohexane
Concen: 1.034 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU052051.D
Acq: 22 Nov 2022 19:45

Tgt Ion: 83 Resp: 22063

Ion	Ratio	Lower	Upper
83	100		
55	0.1	60.8	91.2#
98	0.6	35.1	52.7#

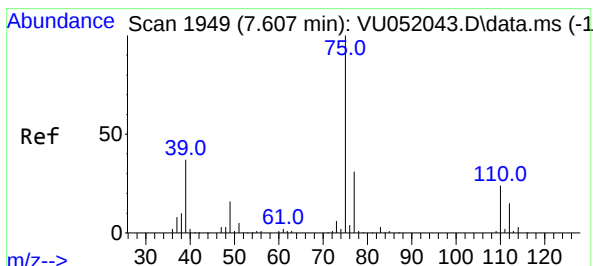
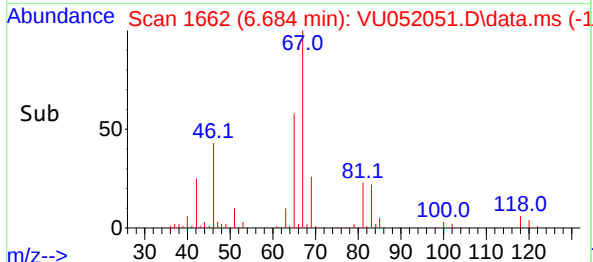
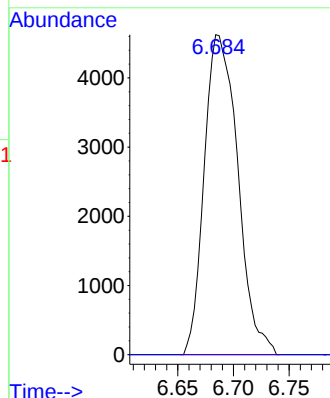
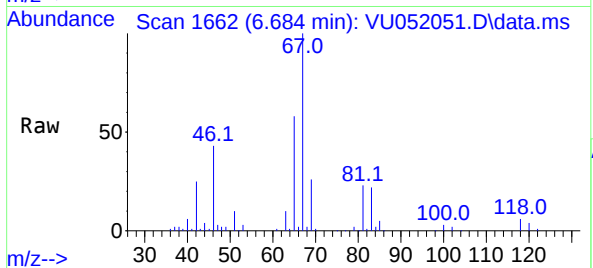




#37
1,2-Dichloropropane
Concen: 0.629 ug/L
RT: 6.684 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU052051.D
Acq: 22 Nov 2022 19:45

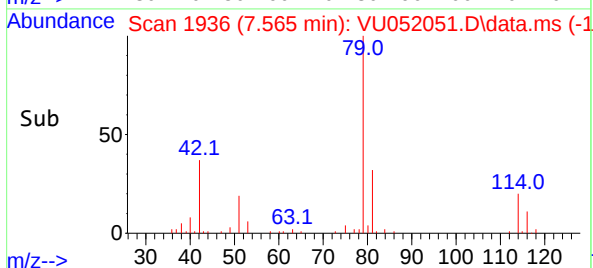
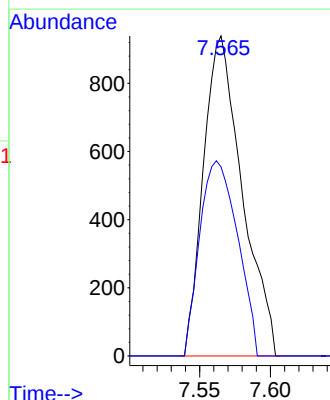
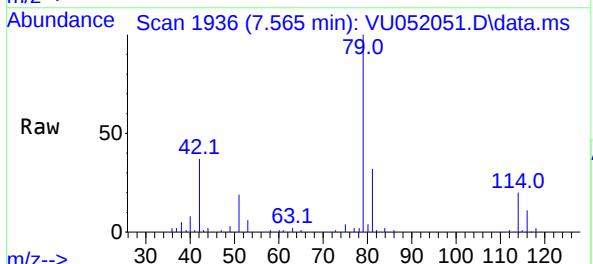
Instrument :
MSVOA_U
ClientSampleId :

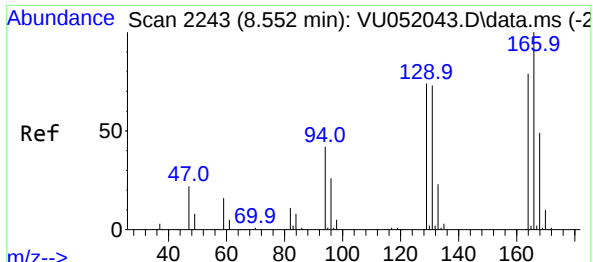
Tgt Ion: 63 Resp: 9687
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#39
cis-1,3-Dichloropropene
Concen: 0.090 ug/L
RT: 7.565 min Scan# 1936
Delta R.T. -0.038 min
Lab File: VU052051.D
Acq: 22 Nov 2022 19:45

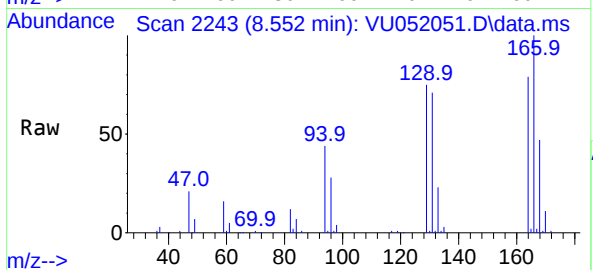
Tgt Ion: 75 Resp: 1784
Ion Ratio Lower Upper
75 100
77 59.1 22.0 40.8#



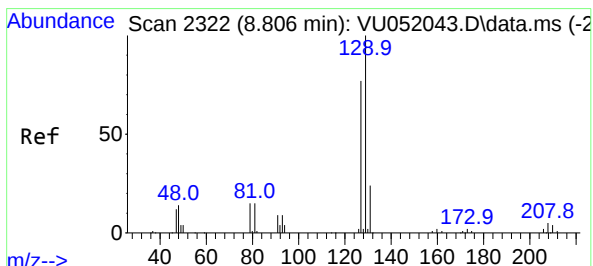
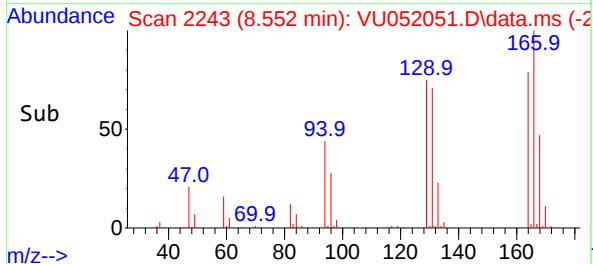
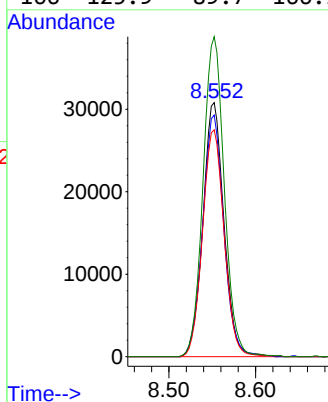


#47
Tetrachloroethene
Concen: 4.586 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU052051.D
Acq: 22 Nov 2022 19:45

Instrument :
MSVOA_U
ClientSampleId :

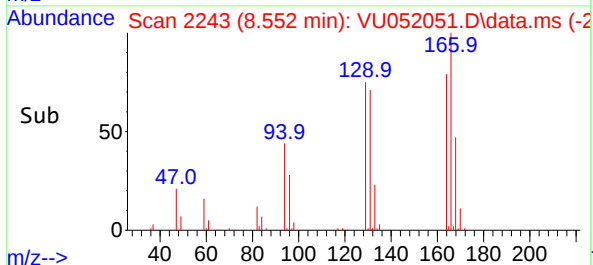
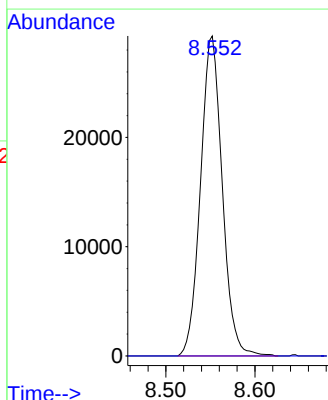
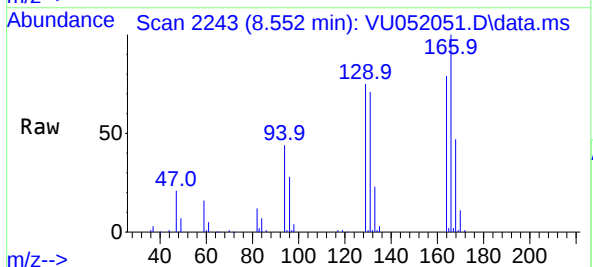


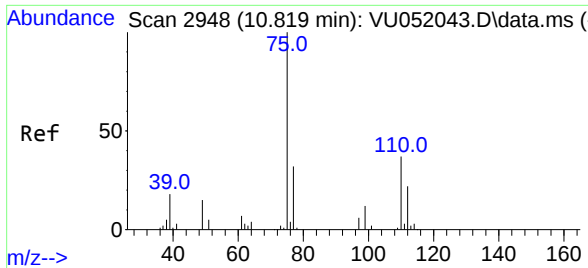
Tgt Ion:164 Resp: 52120
Ion Ratio Lower Upper
164 100
129 95.1 67.4 125.2
131 89.3 67.1 124.7
166 125.9 89.7 166.5



#49
Dibromochloromethane
Concen: 3.831 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.254 min
Lab File: VU052051.D
Acq: 22 Nov 2022 19:45

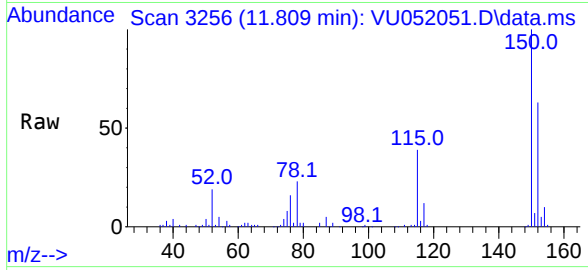
Tgt Ion:129 Resp: 49632
Ion Ratio Lower Upper
129 100
127 0.0 52.8 98.2#





#61
 1,2,3-Trichloropropane
 Concen: 1.044 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU052051.D
 Acq: 22 Nov 2022 19:45

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 7982
 Ion Ratio Lower Upper
 75 100
 110 0.6 28.3 42.5#
 77 29.3 26.2 39.2

