

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042023\
 Data File : VU053801.D
 Acq On : 20 Apr 2023 13:10
 Operator : JC/MD
 Sample : 02340-21 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE22

Quant Time: Apr 21 04:20:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 19 04:58:28 2023
 Response via : Initial Calibration

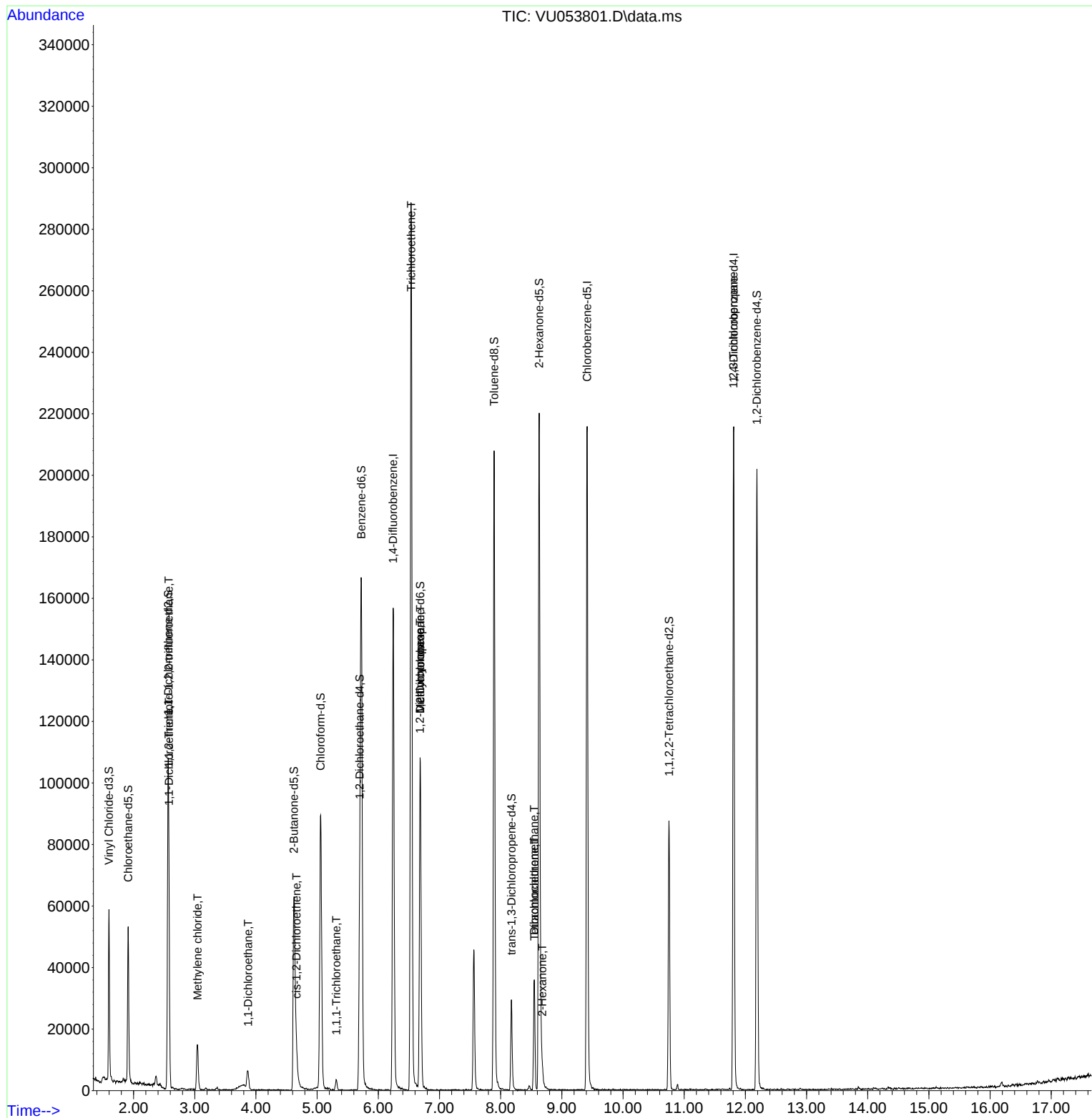
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	135260	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	126252	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	58628	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	42518	4.569	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.400%
7) Chloroethane-d5	1.912	69	39363	4.661	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.565	65	16359	4.127	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.600%
20) 2-Butanone-d5	4.620	46	94294	44.235	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.460%
24) Chloroform-d	5.057	84	84169	4.879	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.697	65	41763	4.724	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.723	84	169514	4.738	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	6.684	67	54674	5.015	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.200%
41) Toluene-d8	7.893	98	144923	4.293	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	8.176	79	17276	4.129	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.600%
46) 2-Hexanone-d5	8.629	63	78220	46.028	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.060%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	43716	4.817	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	55738	5.284	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.600%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	3849	0.457	ug/L	95
12) 1,1-Dichloroethene	2.578	96	10635	1.389	ug/L #	41
16) Methylene chloride	3.044	84	7798	0.775	ug/L	98
19) 1,1-Dichloroethane	3.871	63	7973	0.544	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	3662	0.342	ug/L	94
29) 1,1,1-Trichloroethane	5.314	97	2457	0.197	ug/L	94
34) Trichloroethene	6.536	95	99236	11.016	ug/L	92
35) Methylcyclohexane	6.684	83	12046	0.779	ug/L #	23
37) 1,2-Dichloropropane	6.681	63	5730	0.642	ug/L #	89
47) Tetrachloroethene	8.552	164	7851	1.186	ug/L	92
48) 2-Hexanone	8.681	43	2532	0.783	ug/L #	42
49) Dibromochloromethane	8.549	129	7541	1.202	ug/L #	12
61) 1,2,3-Trichloropropane	11.806	75	6666	1.372	ug/L #	66

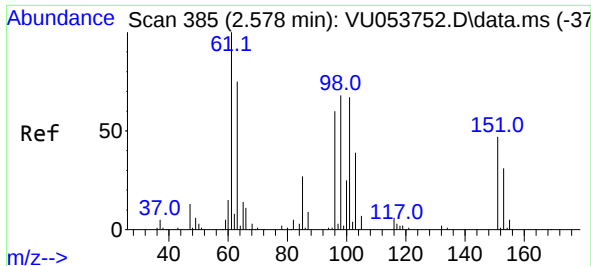
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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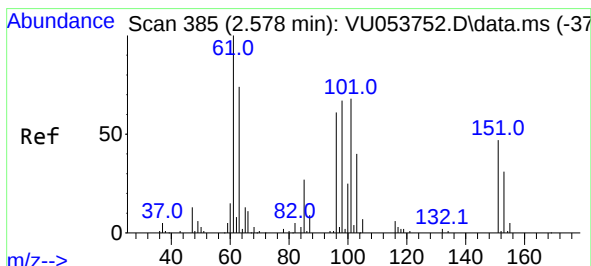
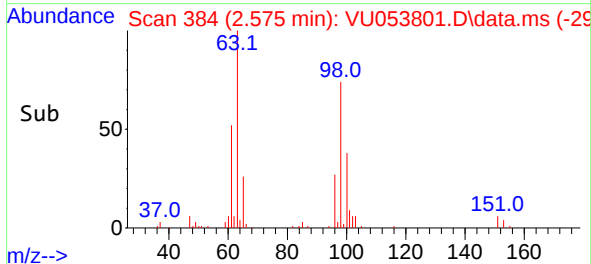
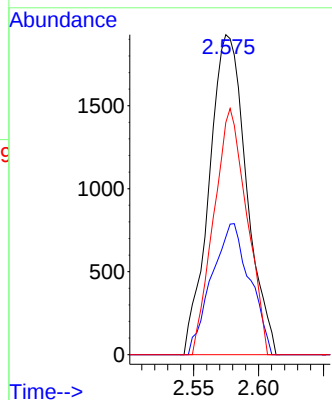
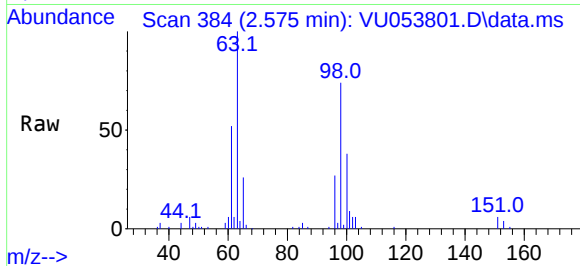




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.457 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU053801.D
 Acq: 20 Apr 2023 13:10

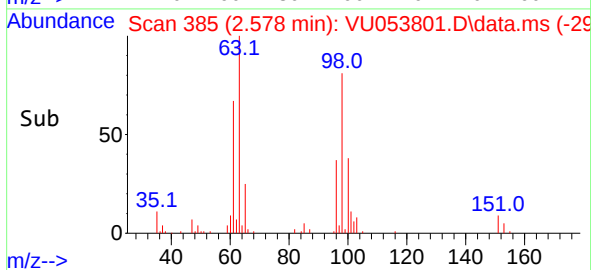
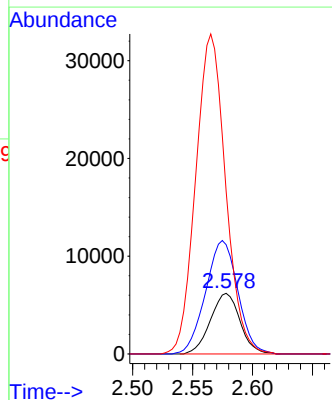
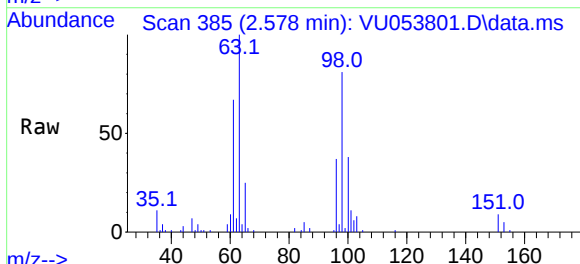
Instrument :
 MSVOA_U
 ClientSampleId :
 BHE22

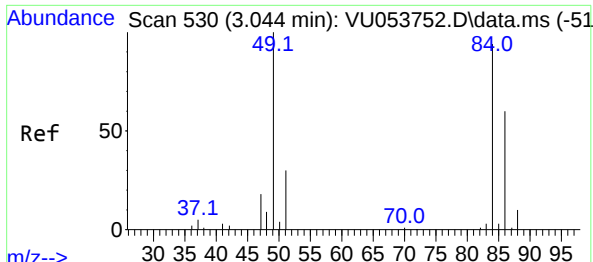
Tgt Ion:101 Resp: 3849
 Ion Ratio Lower Upper
 101 100
 85 42.0 37.0 55.4
 151 68.3 56.8 85.2



#12
 1,1-Dichloroethene
 Concen: 1.389 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053801.D
 Acq: 20 Apr 2023 13:10

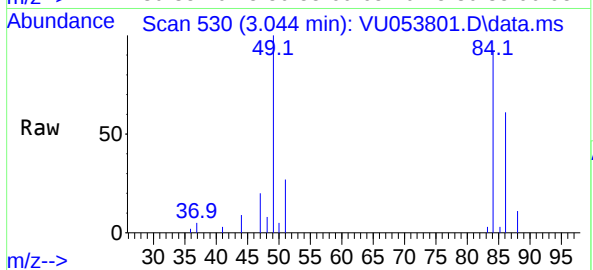
Tgt Ion: 96 Resp: 10635
 Ion Ratio Lower Upper
 96 100
 61 180.1 116.8 216.8
 63 268.6 88.6 164.6#





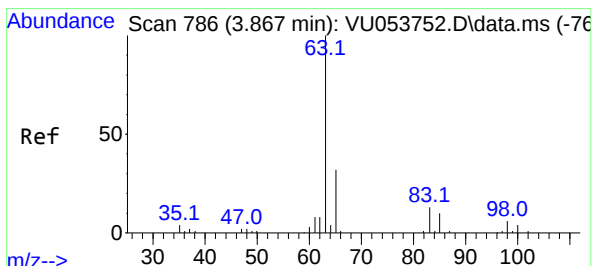
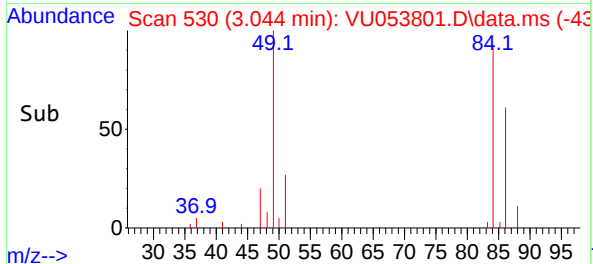
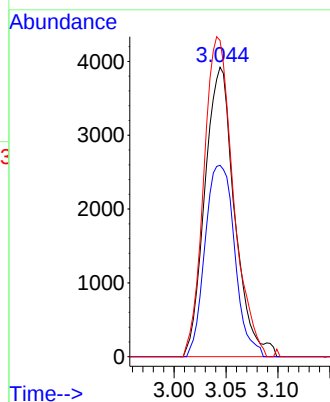
#16
Methylene chloride
Concen: 0.775 ug/L
RT: 3.044 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU053801.D
Acq: 20 Apr 2023 13:10

Instrument :
MSVOA_U
ClientSampleId :
BHE22



Tgt Ion: 84 Resp: 7798

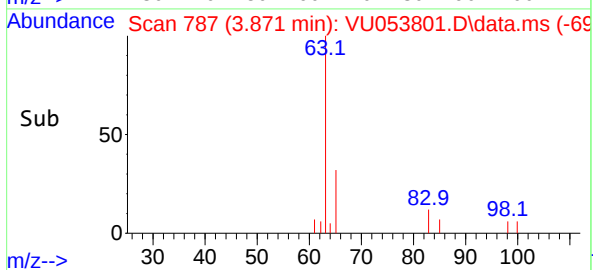
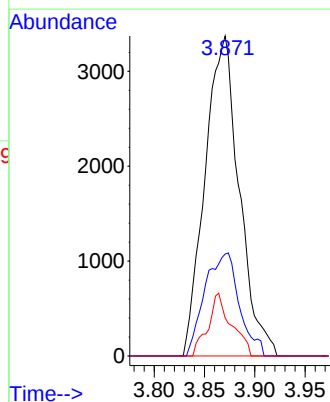
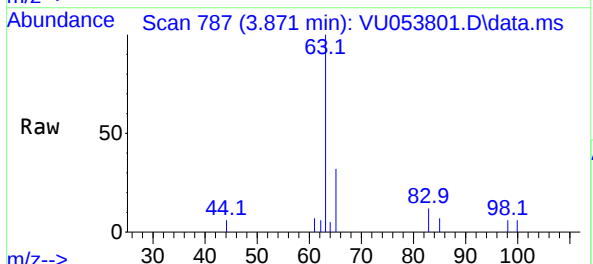
Ion	Ratio	Lower	Upper
84	100		
86	66.1	44.7	83.1
49	109.3	75.5	140.1

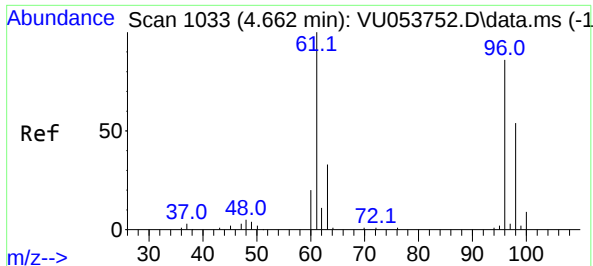


#19
1,1-Dichloroethane
Concen: 0.544 ug/L
RT: 3.871 min Scan# 787
Delta R.T. 0.003 min
Lab File: VU053801.D
Acq: 20 Apr 2023 13:10

Tgt Ion: 63 Resp: 7973

Ion	Ratio	Lower	Upper
63	100		
65	31.9	21.7	40.3
83	11.9	8.1	15.1

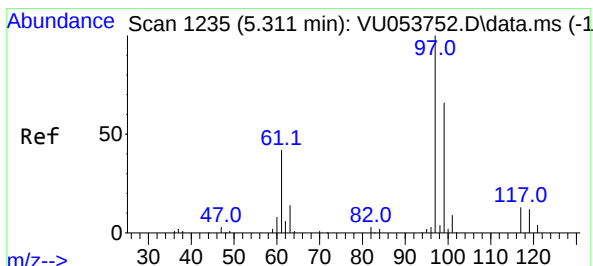
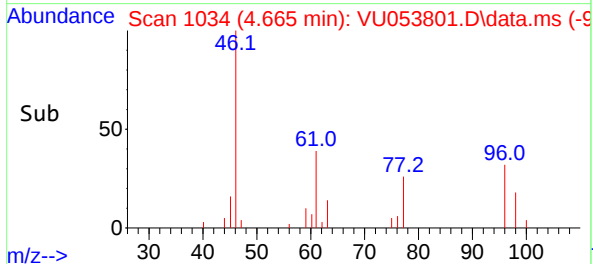
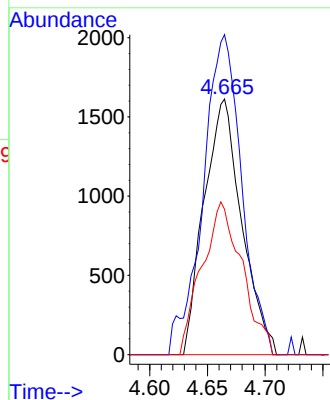
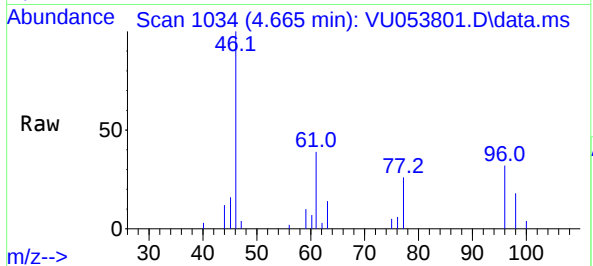




#22
 cis-1,2-Dichloroethene
 Concen: 0.342 ug/L
 RT: 4.665 min Scan# 1033
 Delta R.T. 0.003 min
 Lab File: VU053801.D
 Acq: 20 Apr 2023 13:10

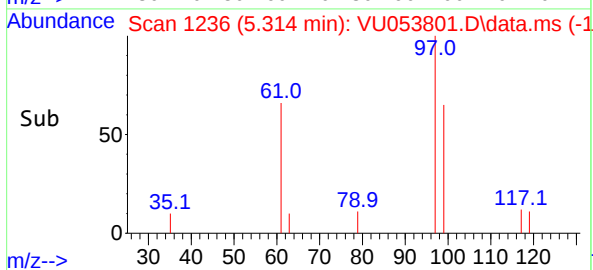
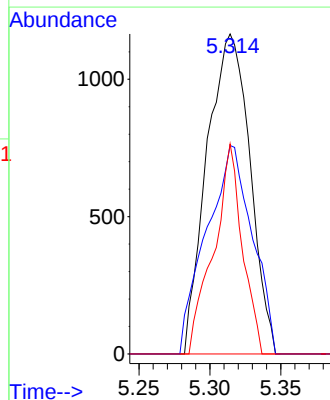
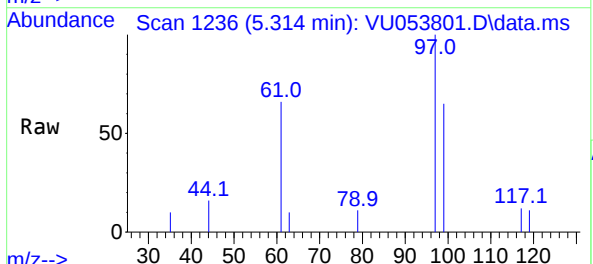
Instrument :
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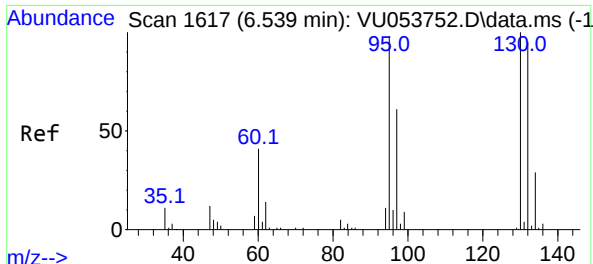
Tgt Ion: 96 Resp: 3662
 Ion Ratio Lower Upper
 96 100
 61 125.2 86.6 160.8
 98 56.9 47.7 88.5



#29
 1,1,1-Trichloroethane
 Concen: 0.197 ug/L
 RT: 5.314 min Scan# 1236
 Delta R.T. 0.003 min
 Lab File: VU053801.D
 Acq: 20 Apr 2023 13:10

Tgt Ion: 97 Resp: 2457
 Ion Ratio Lower Upper
 97 100
 99 69.4 49.9 74.9
 61 43.7 35.7 53.5



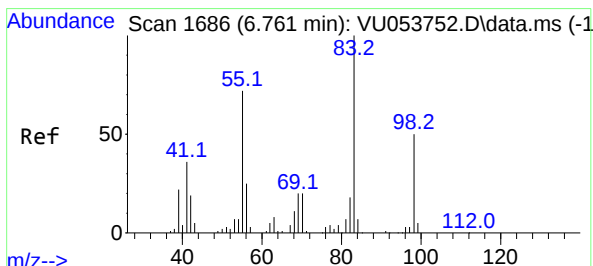
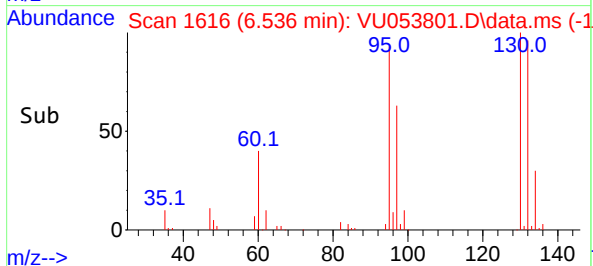
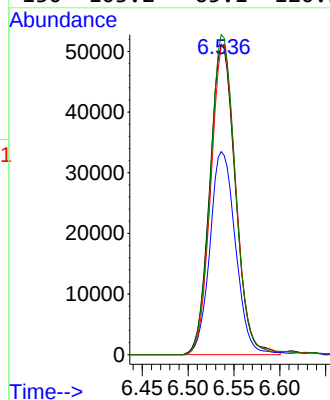
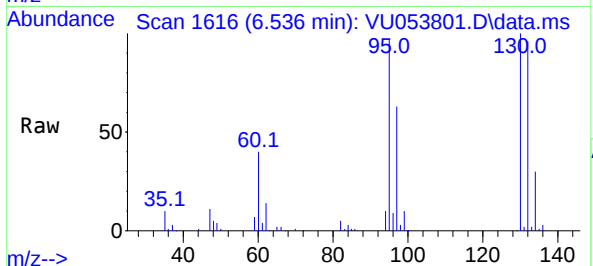


#34
Trichloroethene
Concen: 11.016 ug/L
RT: 6.536 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053801.D
Acq: 20 Apr 2023 13:10

Instrument :
MSVOA_U
ClientSampleId :
BHE22

Tgt Ion: 95 Resp: 99236

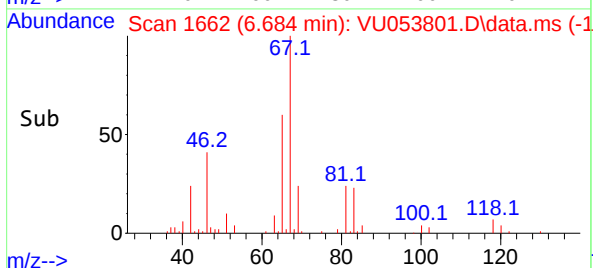
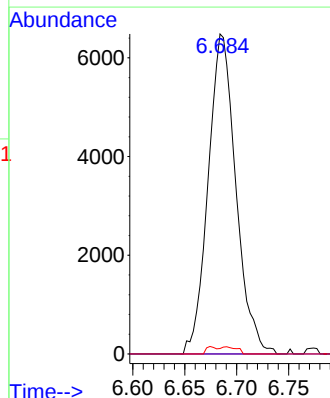
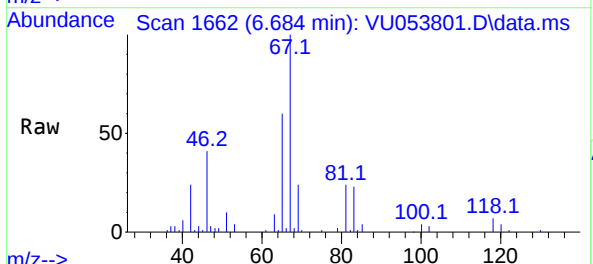
Ion	Ratio	Lower	Upper
95	100		
97	65.5	45.3	84.1
132	99.3	62.8	116.6
130	103.2	65.1	120.9

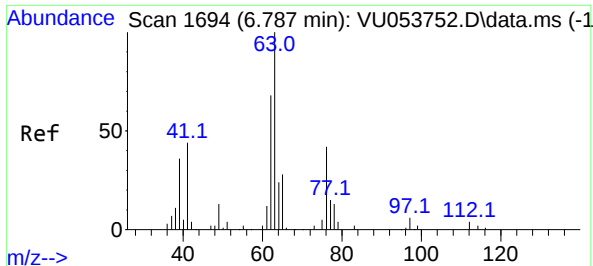


#35
Methylcyclohexane
Concen: 0.779 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.077 min
Lab File: VU053801.D
Acq: 20 Apr 2023 13:10

Tgt Ion: 83 Resp: 12046

Ion	Ratio	Lower	Upper
83	100		
55	0.0	54.9	82.3#
98	1.4	34.9	52.3#

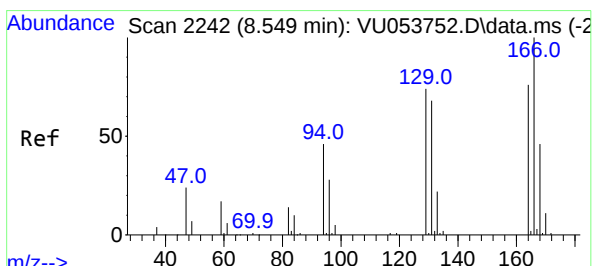
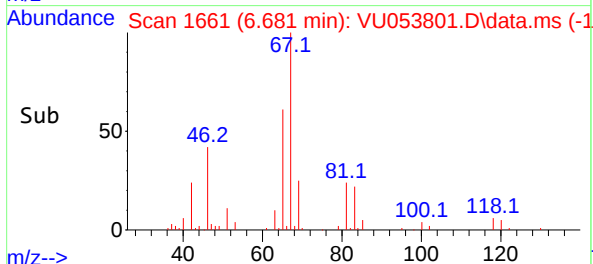
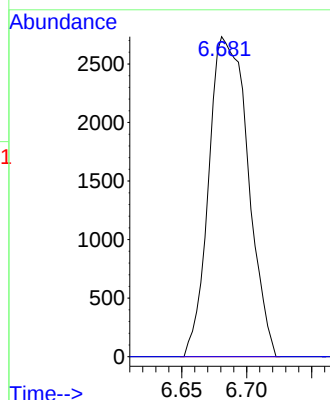
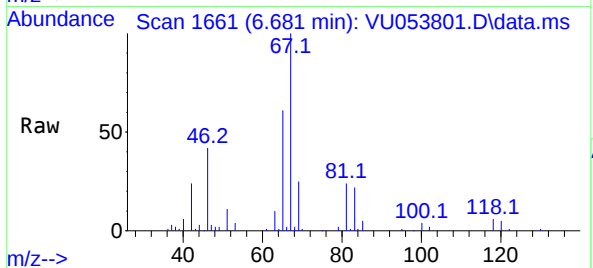




#37
1,2-Dichloropropane
Concen: 0.642 ug/L
RT: 6.681 min Scan# 1
Delta R.T. -0.106 min
Lab File: VU053801.D
Acq: 20 Apr 2023 13:10

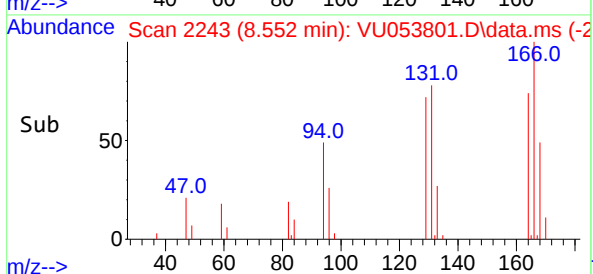
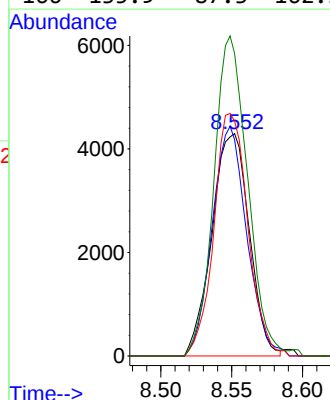
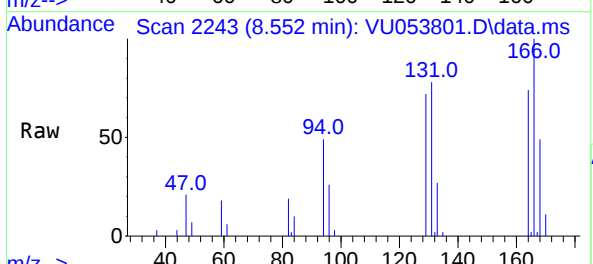
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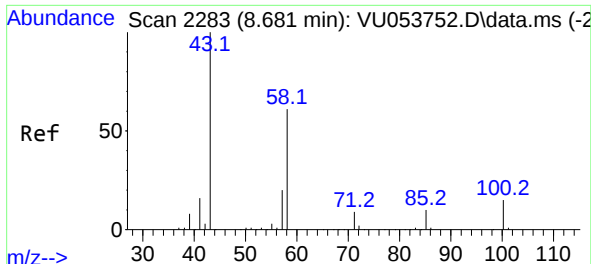
Tgt Ion: 63 Resp: 5730
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



#47
Tetrachloroethene
Concen: 1.186 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU053801.D
Acq: 20 Apr 2023 13:10

Tgt Ion:164 Resp: 7851
Ion Ratio Lower Upper
164 100
129 97.2 74.8 138.8
131 105.5 70.1 130.1
166 135.9 87.3 162.1

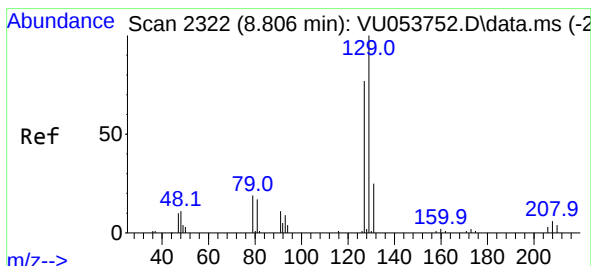
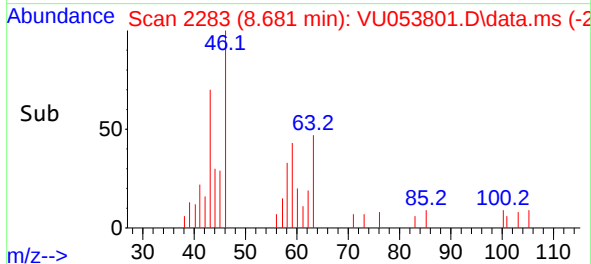
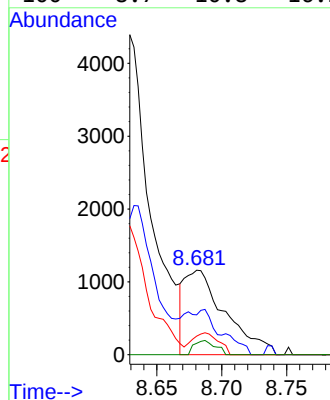
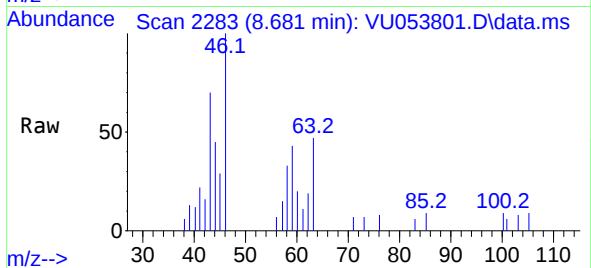




#48
2-Hexanone
Concen: 0.783 ug/L
RT: 8.681 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VU053801.D
Acq: 20 Apr 2023 13:10

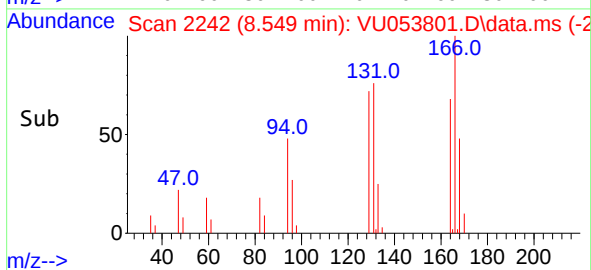
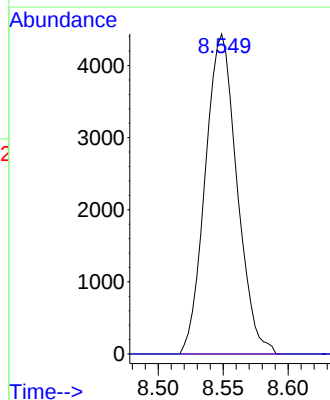
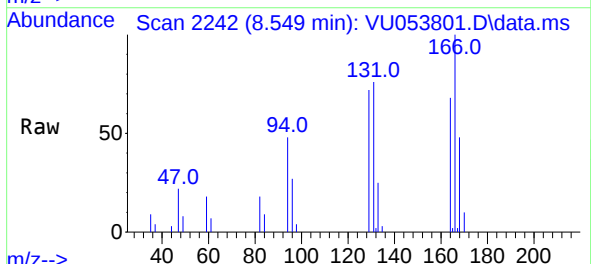
Instrument :
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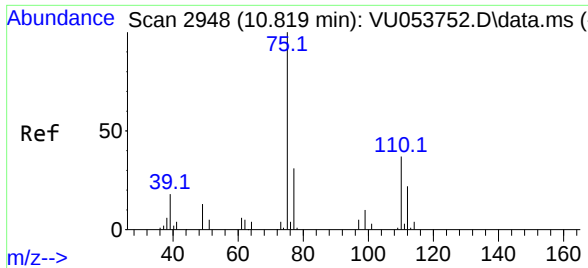
Tgt Ion: 43	Resp: 2532
Ion Ratio	Lower Upper
43 100	
58 0.0	52.8 79.2#
57 16.7	17.1 25.7#
100 8.7	10.8 16.2#



#49
Dibromochloromethane
Concen: 1.202 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.257 min
Lab File: VU053801.D
Acq: 20 Apr 2023 13:10

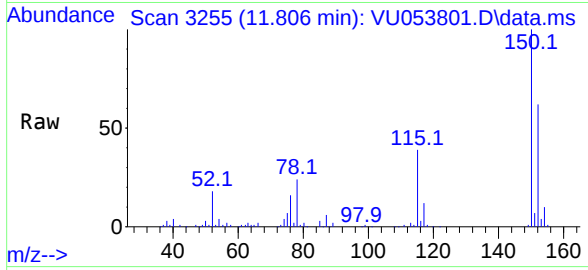
Tgt Ion:129	Resp:	7541	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.2	97.0#





#61
 1,2,3-Trichloropropane
 Concen: 1.372 ug/L
 RT: 11.806 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU053801.D
 Acq: 20 Apr 2023 13:10

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE22



Tgt Ion: 75 Resp: 6666

Ion	Ratio	Lower	Upper
75	100		
110	1.5	30.6	46.0#
77	34.5	26.1	39.1

