

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055271.D
 Acq On : 13 Sep 2023 04:39
 Operator : MD/SY
 Sample : 04350-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4N3

Quant Time: Sep 13 05:37:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 13 05:34:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	170418	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	184414	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	79660	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.596	65	27146	3.399	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.000%
7) Chloroethane-d5	1.907	69	42563	4.604	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.563	65	15127	3.324	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.400%
20) 2-Butanone-d5	4.624	46	134409	57.989	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.980%
24) Chloroform-d	5.058	84	99874	4.712	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	5.702	65	52900	4.989	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.724	84	181203	3.981	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
36) 1,2-Dichloropropane-d6	6.689	67	64130	4.429	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.600%
41) Toluene-d8	7.898	98	159818	3.811	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.200%
43) trans-1,3-Dichloroprop...	8.177	79	14558	3.651	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.000%
46) 2-Hexanone-d5	8.631	63	75265	46.497	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.000%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	46527	4.569	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	53943	4.639	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%

Target Compounds

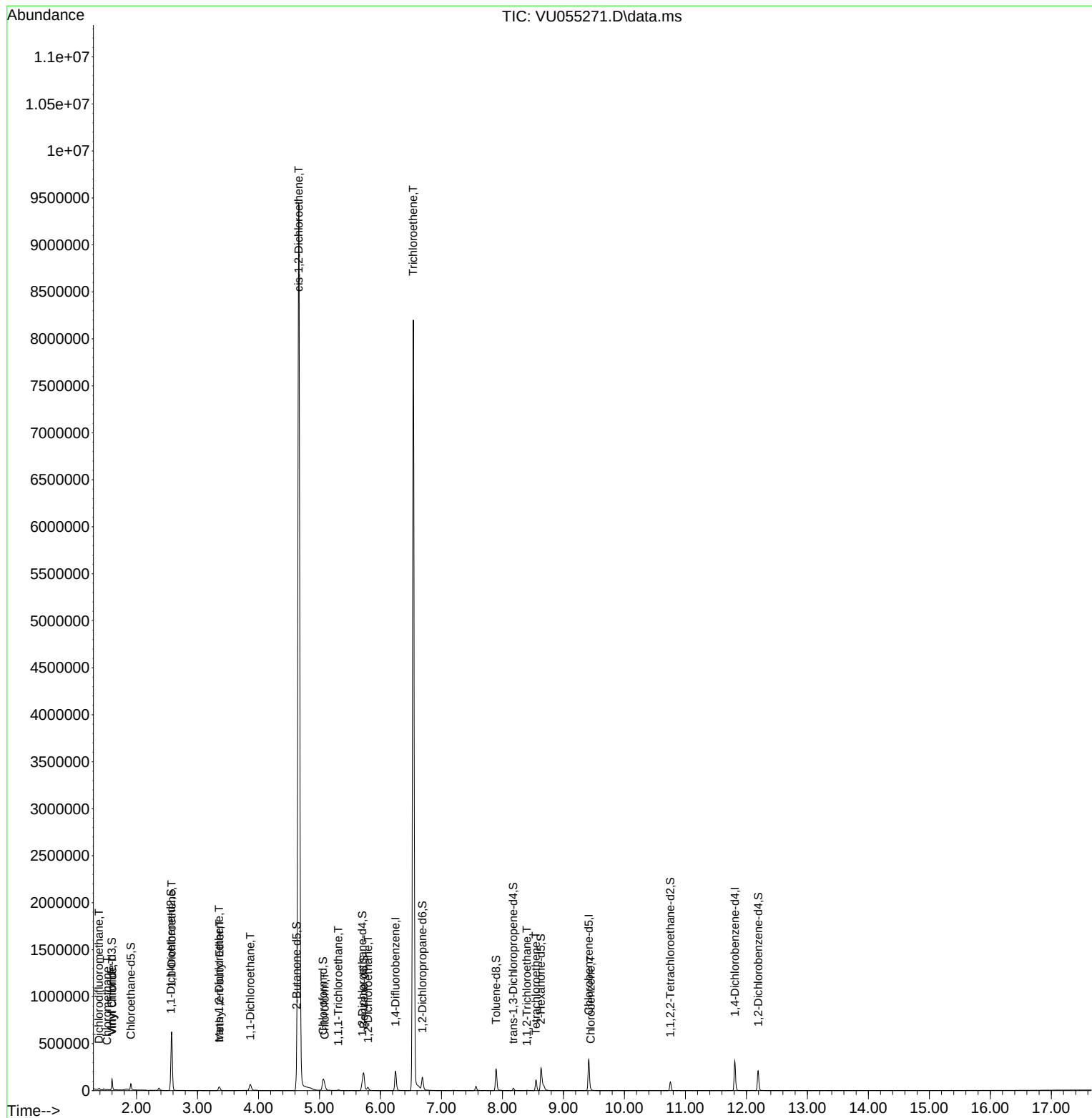
						Qvalue
2) Dichlorodifluoromethane	1.383	85	1581	0.160	ug/L	96
3) Chloromethane	1.515	50	2110	0.209	ug/L	91
5) Vinyl chloride	1.602	62	54977	5.169	ug/L	96
12) 1,1-Dichloroethene	2.576	96	190278	24.151	ug/L #	75
17) Methyl tert-butyl Ether	3.361	73	26967	1.305	ug/L	97
18) trans-1,2-Dichloroethene	3.354	96	7270	0.909	ug/L	88
19) 1,1-Dichloroethane	3.866	63	71579	4.144	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	4800816	490.632	ug/L	92
25) Chloroform	5.087	83	43783	2.433	ug/L	96
27) 1,2-Dichloroethane	5.795	62	27992	2.549	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	4626	0.290	ug/L #	80
34) Trichloroethene	6.537	95	2811363	257.735	ug/L	97
45) 1,1,2-Trichloroethane	8.399	97	1086	0.151	ug/L #	83
47) Tetrachloroethene	8.550	164	23751	3.150	ug/L	95
51) Chlorobenzene	9.447	112	5204	0.188	ug/L	98

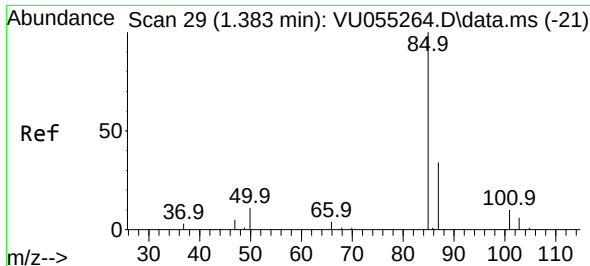
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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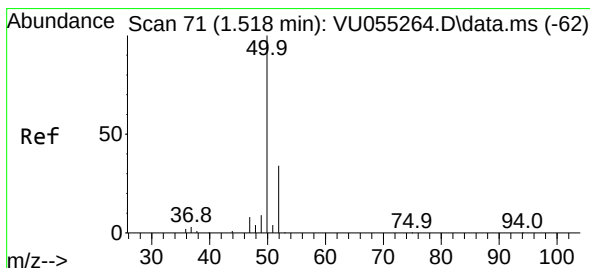
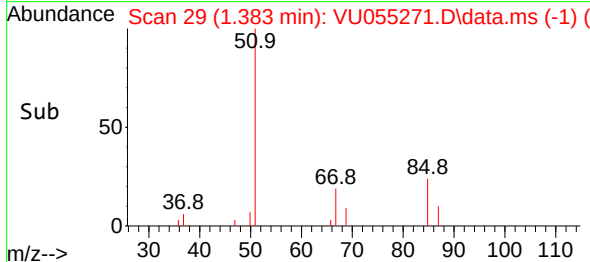
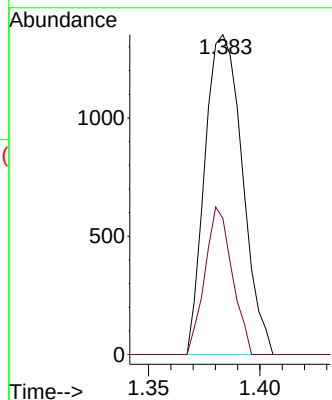
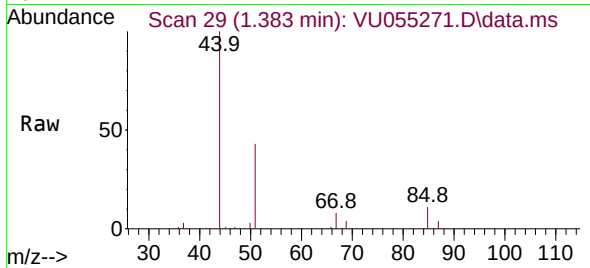




#2
Dichlorodifluoromethane
Concen: 0.160 ug/L
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

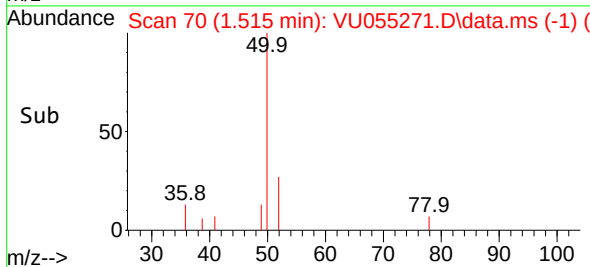
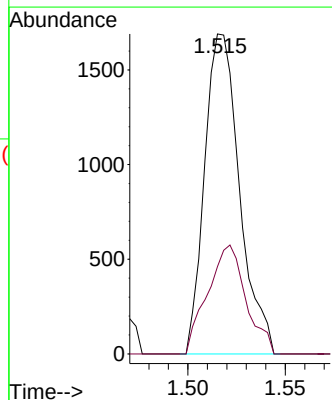
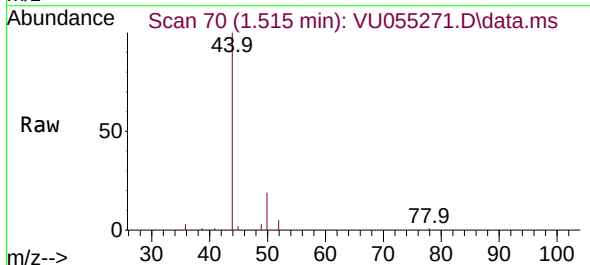
Instrument :
MSVOA_U
ClientSampleId :
BH4N3

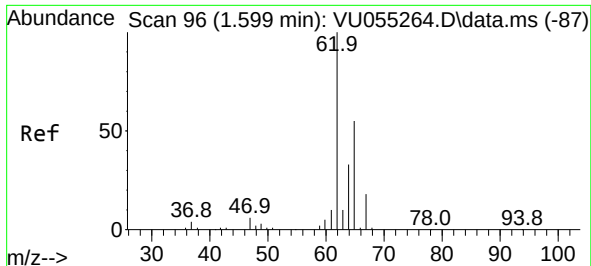
Tgt Ion: 85 Resp: 1581
Ion Ratio Lower Upper
85 100
87 33.6 25.1 37.7



#3
Chloromethane
Concen: 0.209 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

Tgt Ion: 50 Resp: 2110
Ion Ratio Lower Upper
50 100
52 27.3 22.5 41.7

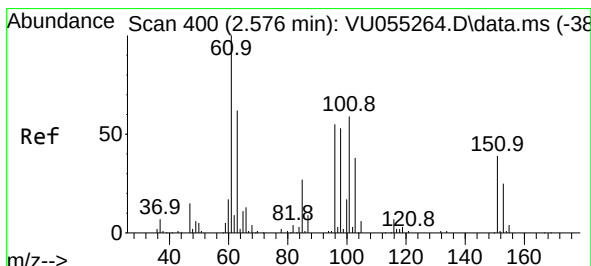
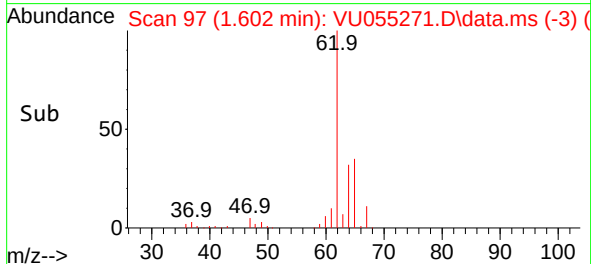
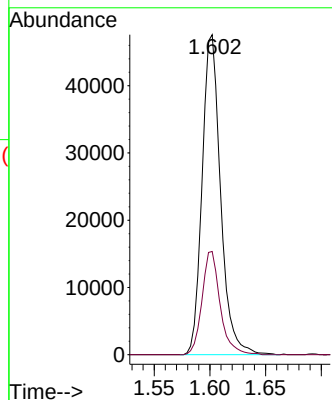
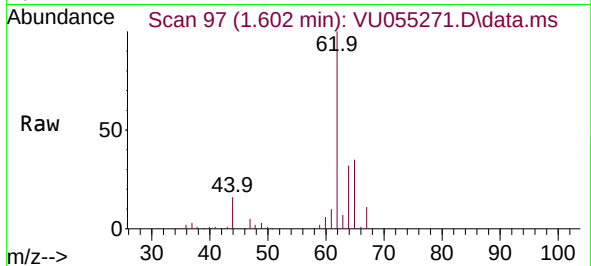




#5
 Vinyl chloride
 Concen: 5.169 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU055271.D
 Acq: 13 Sep 2023 04:39

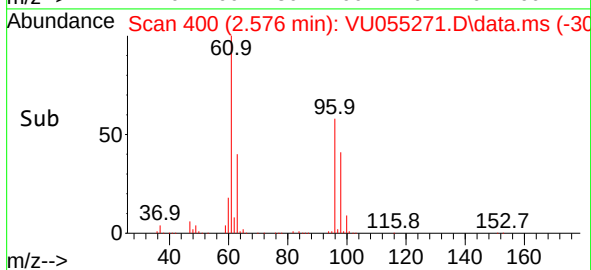
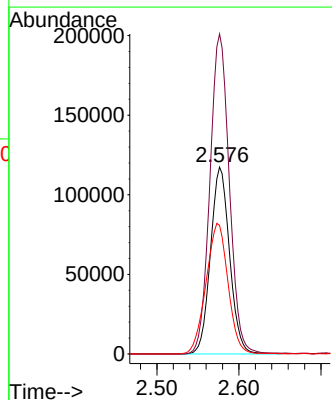
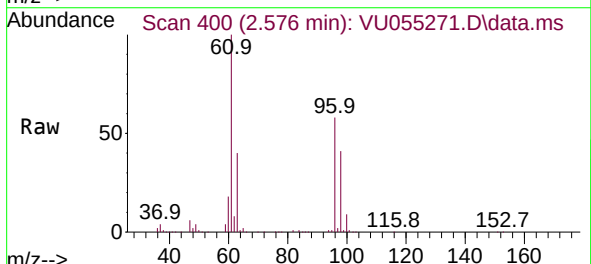
Instrument :
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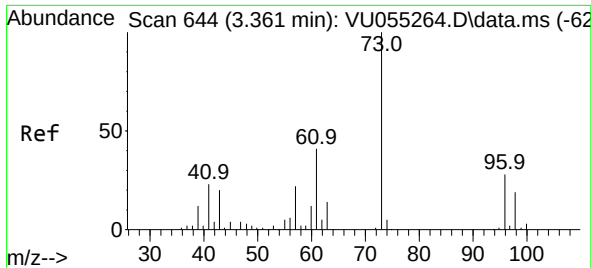
Tgt Ion: 62 Resp: 54977
 Ion Ratio Lower Upper
 62 100
 64 32.3 24.2 45.0



#12
 1,1-Dichloroethene
 Concen: 24.151 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU055271.D
 Acq: 13 Sep 2023 04:39

Tgt Ion: 96 Resp: 190278
 Ion Ratio Lower Upper
 96 100
 61 171.3 120.8 224.4
 63 68.9 94.5 175.5#

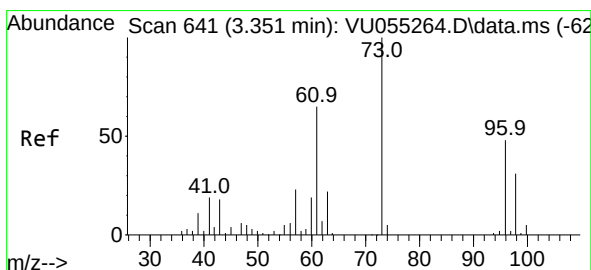
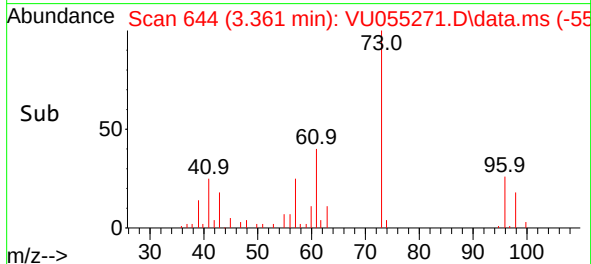
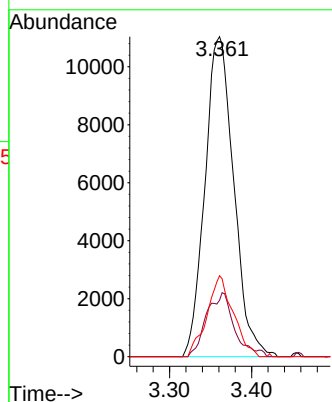
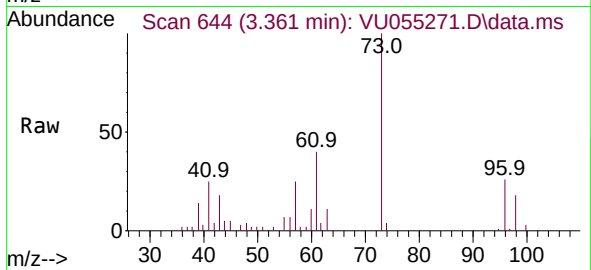




#17
Methyl tert-butyl Ether
Concen: 1.305 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

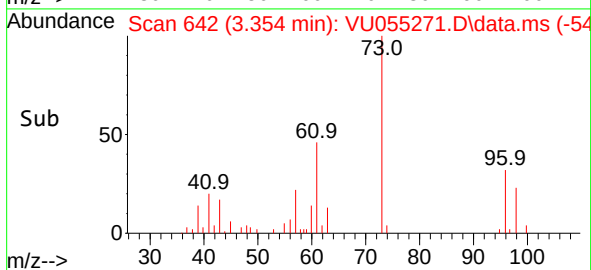
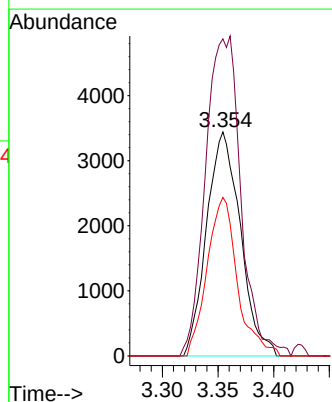
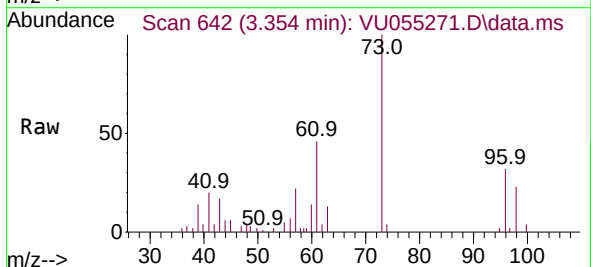
Instrument :
MSVOA_U
ClientSampleId :
BH4N3

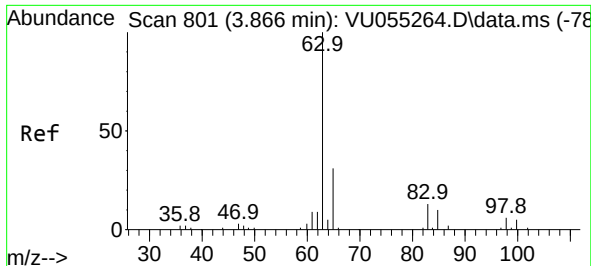
Tgt Ion:	73	Resp:	26967
Ion	Ratio	Lower	Upper
73	100		
43	18.9	16.2	24.2
57	23.0	17.4	26.2



#18
trans-1,2-Dichloroethene
Concen: 0.909 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

Tgt Ion:	96	Resp:	7270
Ion	Ratio	Lower	Upper
96	100		
61	133.2	108.1	200.9
98	66.6	45.4	84.4

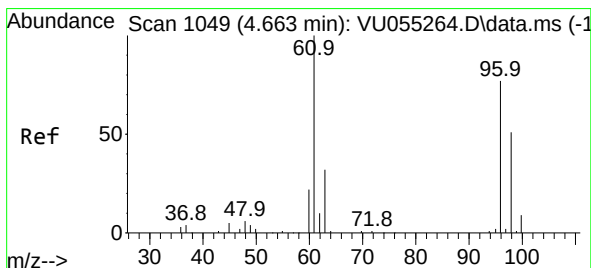
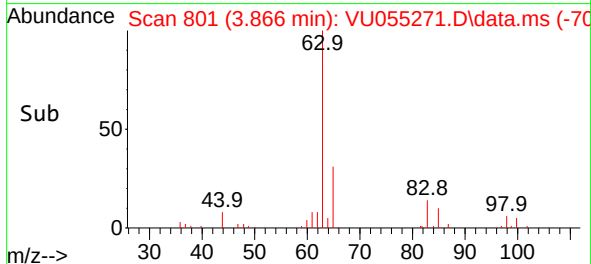
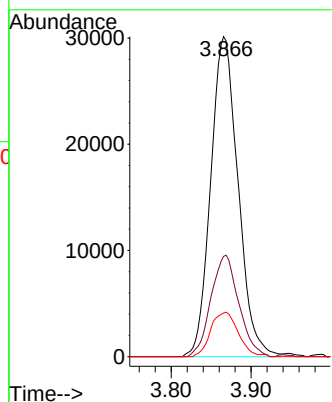
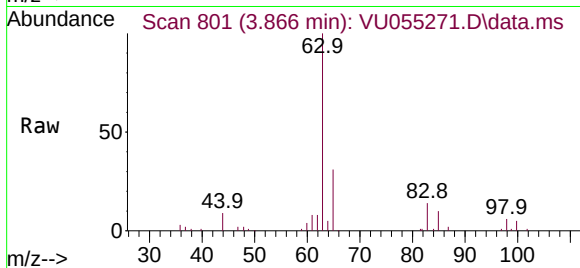




#19
1,1-Dichloroethane
Concen: 4.144 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

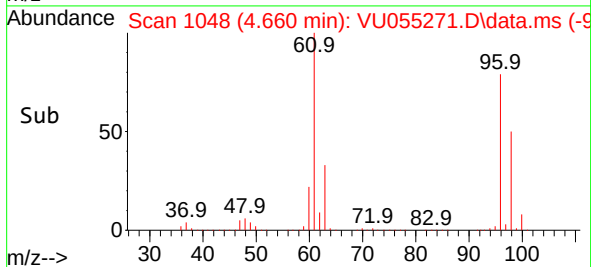
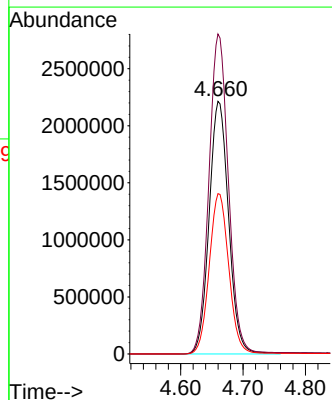
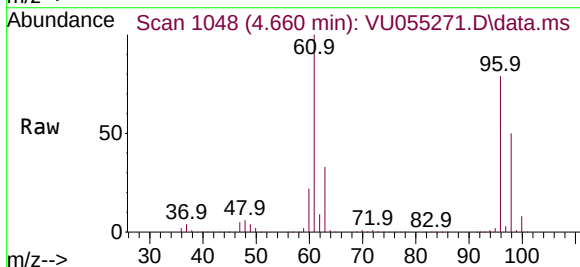
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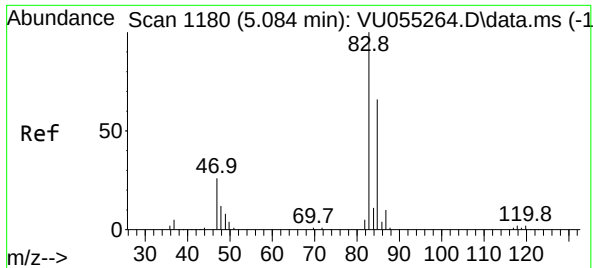
Tgt Ion: 63 Resp: 71579
Ion Ratio Lower Upper
63 100
65 31.7 22.2 41.2
83 13.6 10.6 19.8



#22
cis-1,2-Dichloroethene
Concen: 490.632 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

Tgt Ion: 96 Resp: 4800816
Ion Ratio Lower Upper
96 100
61 126.6 97.2 180.4
98 63.4 46.1 85.7

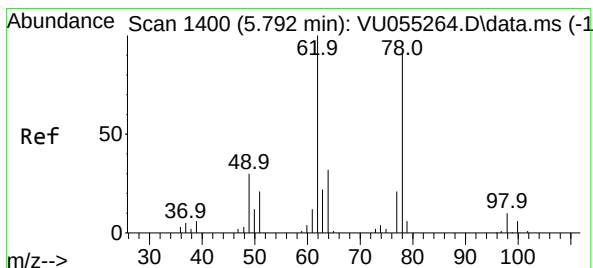
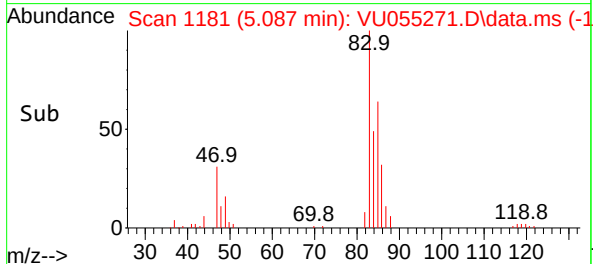
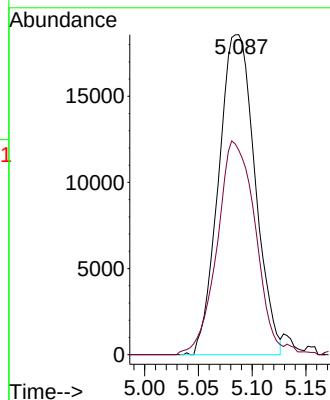
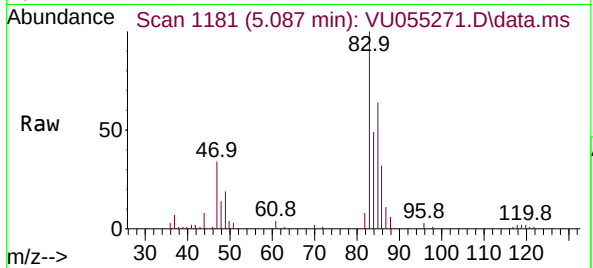




#25
Chloroform
Concen: 2.433 ug/L
RT: 5.087 min Scan# 1180
Delta R.T. 0.003 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

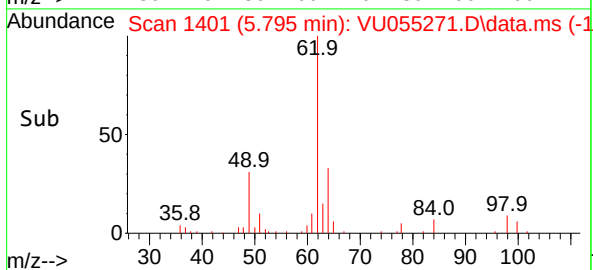
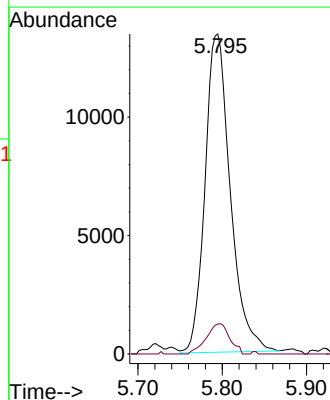
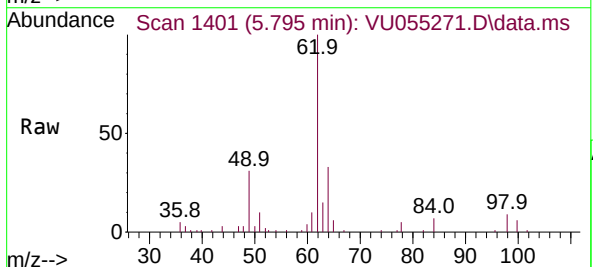
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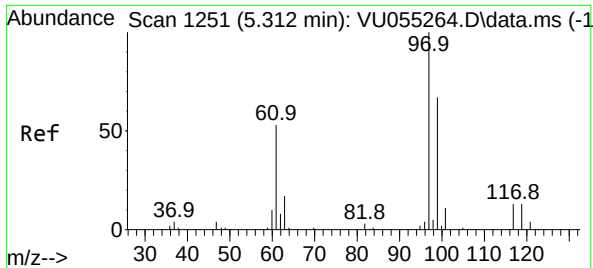
Tgt Ion: 83 Resp: 43783
Ion Ratio Lower Upper
83 100
85 63.9 47.2 87.6



#27
1,2-Dichloroethane
Concen: 2.549 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.003 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

Tgt Ion: 62 Resp: 27992
Ion Ratio Lower Upper
62 100
98 9.3 6.9 10.3

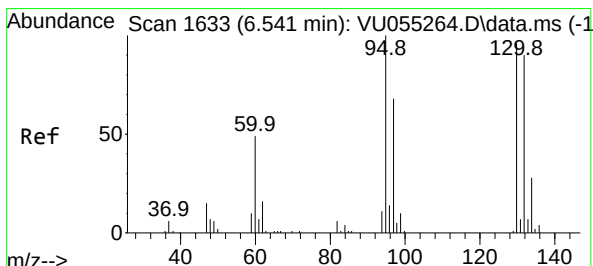
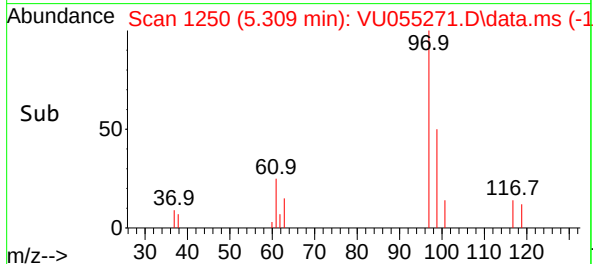
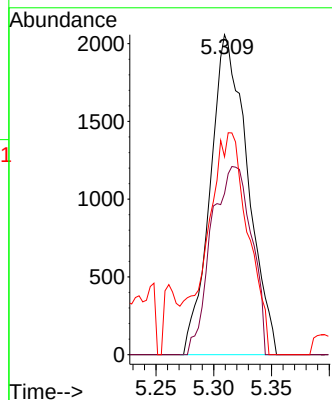
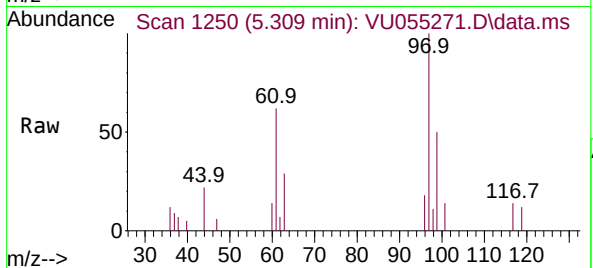




#29
1,1,1-Trichloroethane
Concen: 0.290 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

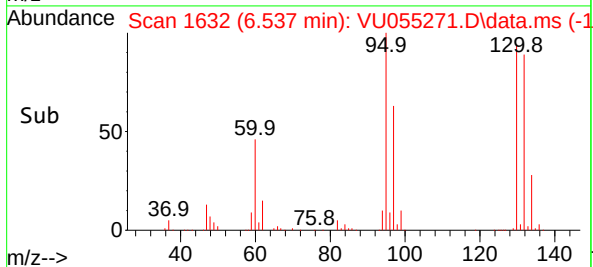
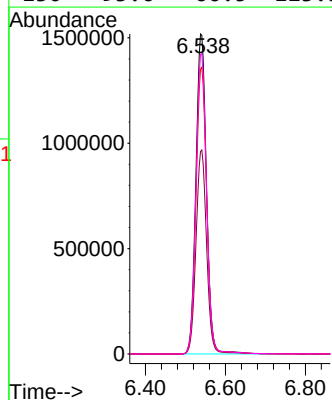
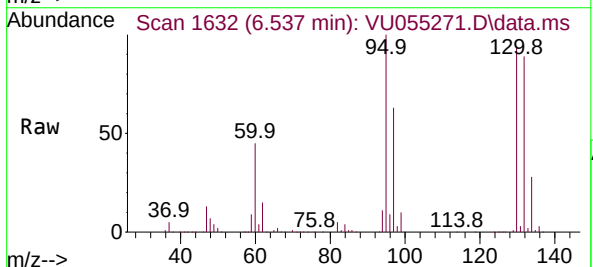
Instrument :
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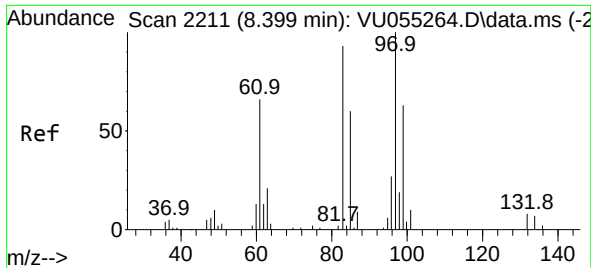
Tgt Ion: 97 Resp: 4626
Ion Ratio Lower Upper
97 100
99 63.3 51.8 77.8
61 76.7 36.8 55.2#



#34
Trichloroethene
Concen: 257.735 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

Tgt Ion: 95 Resp: 2811363
Ion Ratio Lower Upper
95 100
97 63.3 44.7 83.1
132 89.0 66.6 123.6
130 93.6 66.5 123.5



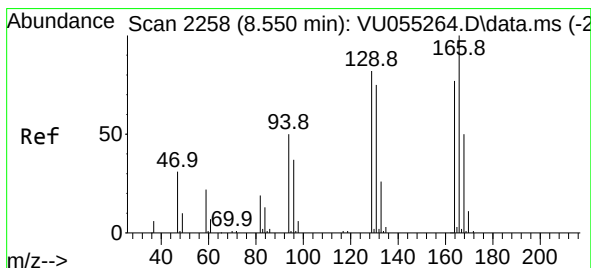
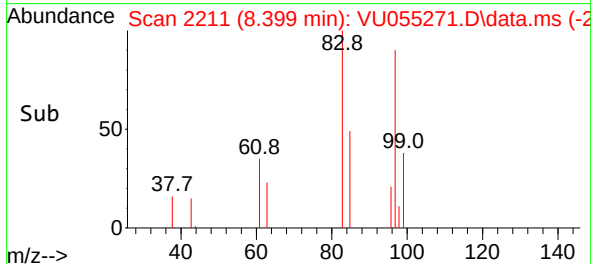
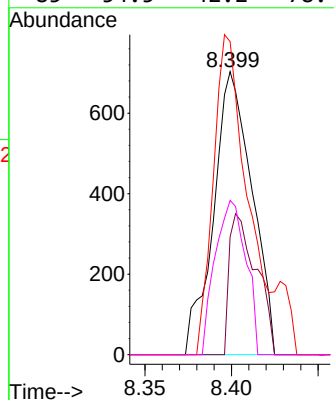
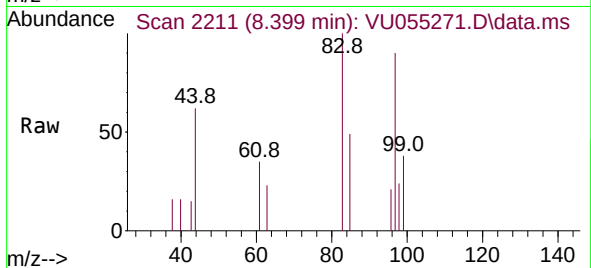


#45
1,1,2-Trichloroethane
Concen: 0.151 ug/L
RT: 8.399 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

Instrument :
MSVOA_U
ClientSampleId :
BH4N3

Tgt Ion: 97 Resp: 1086

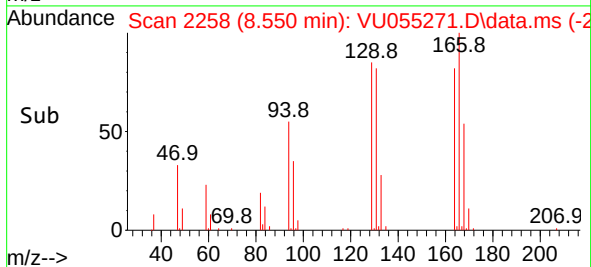
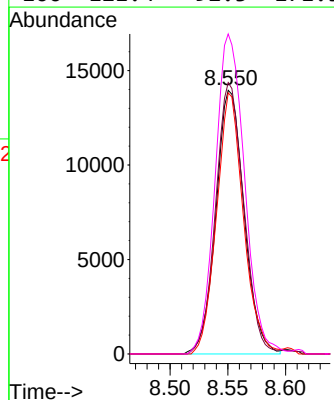
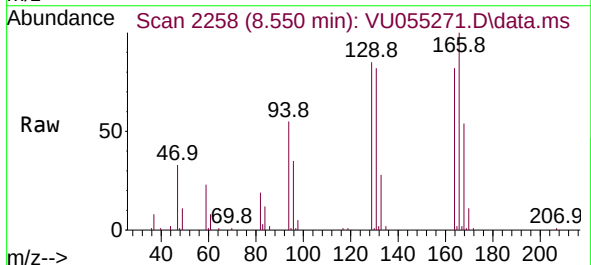
Ion	Ratio	Lower	Upper
97	100		
99	41.7	44.9	83.5#
83	110.7	66.9	124.3
85	54.5	42.2	78.4

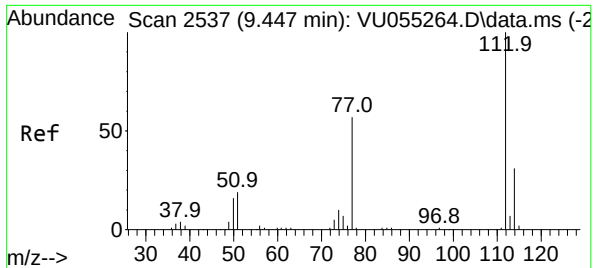


#47
Tetrachloroethene
Concen: 3.150 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055271.D
Acq: 13 Sep 2023 04:39

Tgt Ion: 164 Resp: 23751

Ion	Ratio	Lower	Upper
164	100		
129	102.9	69.2	128.6
131	99.0	68.8	127.8
166	121.4	92.3	171.5





#51
 Chlorobenzene
 Concen: 0.188 ug/L
 RT: 9.447 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU055271.D
 Acq: 13 Sep 2023 04:39

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4N3

Tgt Ion:	112	Resp:	5204
Ion Ratio	Lower	Upper	
112	100		
114	30.9	21.7	40.3
77	63.2	48.6	72.8

