

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082823\
 Data File : VU054939.D
 Acq On : 28 Aug 2023 21:30
 Operator : MD/SY
 Sample : 04173-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 05:03:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 29 04:51:39 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	180382	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	171949	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	89306	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	25684	4.511	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.200%
7) Chloroethane-d5	1.911	69	34546	4.697	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.000%
11) 1,1-Dichloroethene-d2	2.563	65	15546	4.831	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.600%
20) 2-Butanone-d5	4.631	46	187320	60.954	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.900%
24) Chloroform-d	5.062	84	102985	4.876	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.701	65	58029	5.164	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.200%
32) Benzene-d6	5.724	84	184309	4.769	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.689	67	66898	4.921	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.400%
41) Toluene-d8	7.898	98	172746	4.667	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
43) trans-1,3-Dichloroprop...	8.180	79	20146	4.503	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.634	63	128569	60.549	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.100%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	60687	5.206	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	70507	4.945	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	3321	0.285	ug/L	85
5) Vinyl chloride	1.602	62	6880	0.568	ug/L	90
8) Chloroethane	1.933	64	2515	0.316	ug/L	98
12) 1,1-Dichloroethene	2.579	96	4153	0.510	ug/L #	1
15) Methyl Acetate	2.801	43	16755	4.927	ug/L #	51
18) trans-1,2-Dichloroethene	3.358	96	8745	0.983	ug/L	98
19) 1,1-Dichloroethane	3.869	63	2419	0.130	ug/L	94
21) 2-Butanone	4.718	43	36907	14.500	ug/L	78
22) cis-1,2-Dichloroethene	4.663	96	592968	55.879	ug/L	95
33) Benzene	5.769	78	6234	0.154	ug/L	100
34) Trichloroethene	6.541	95	1491139	132.644	ug/L	98
35) Methylcyclohexane	6.689	83	14962	0.900	ug/L #	18
37) 1,2-Dichloropropane	6.692	63	7585	0.671	ug/L #	90
47) Tetrachloroethene	8.550	164	36574	4.528	ug/L	96
48) 2-Hexanone	8.679	43	14621	3.132	ug/L #	88
49) Dibromochloromethane	8.550	129	38893	4.399	ug/L #	6
51) Chlorobenzene	9.447	112	26987	0.921	ug/L	95
61) 1,2,3-Trichloropropane	11.807	75	14257	2.144	ug/L #	66
65) 1,4-Dichlorobenzene	11.839	146	5113	0.229	ug/L	93

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Response via : Initial Calibration

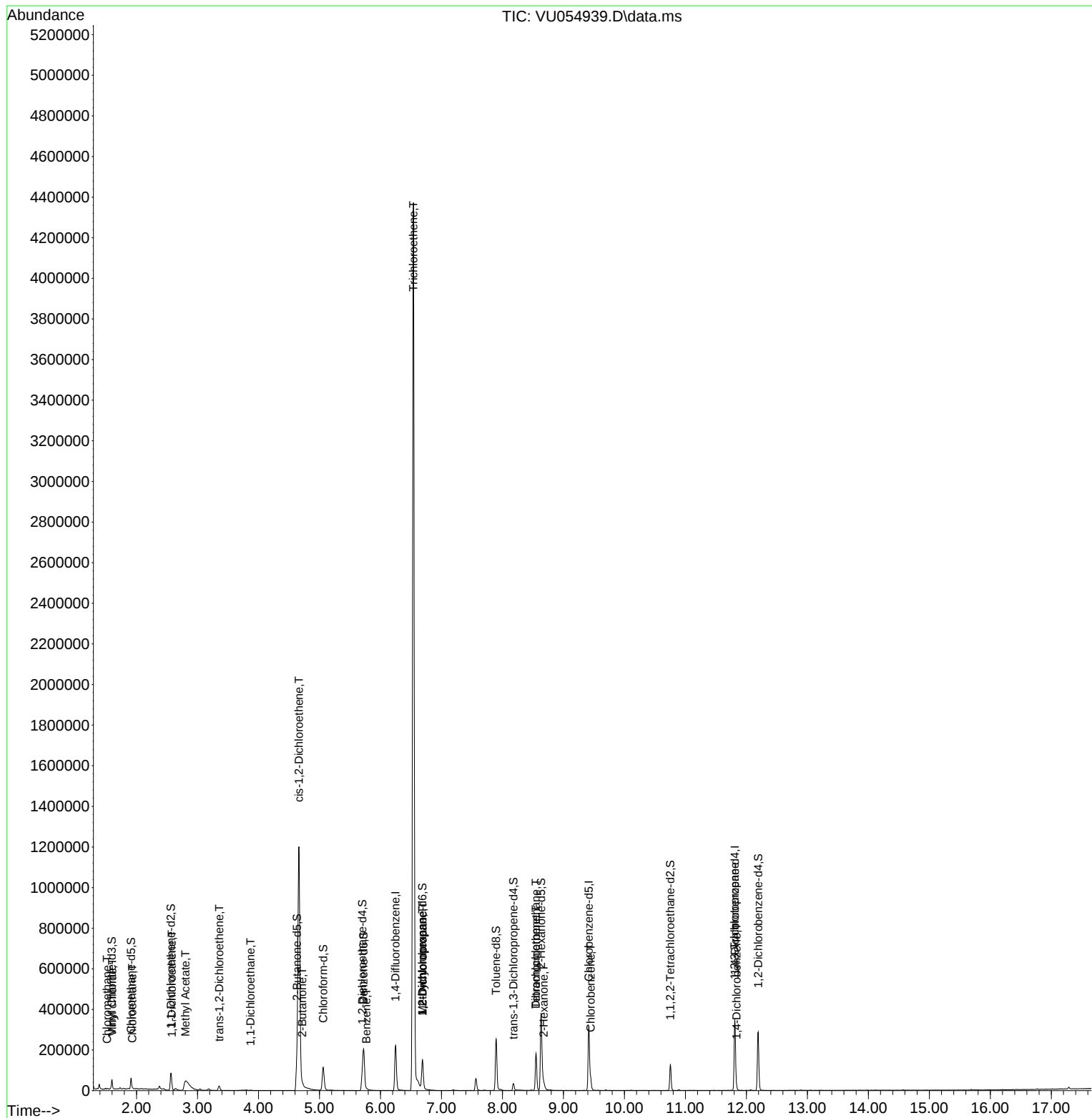
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

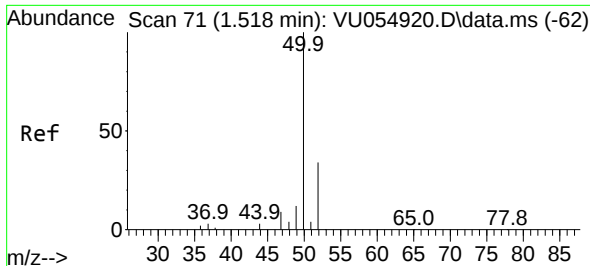
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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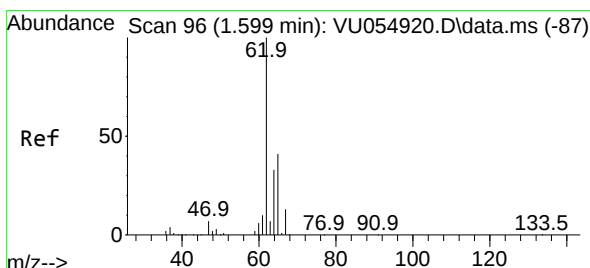
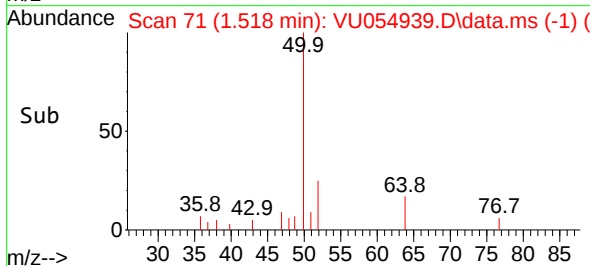
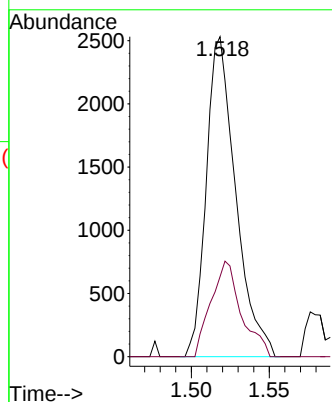
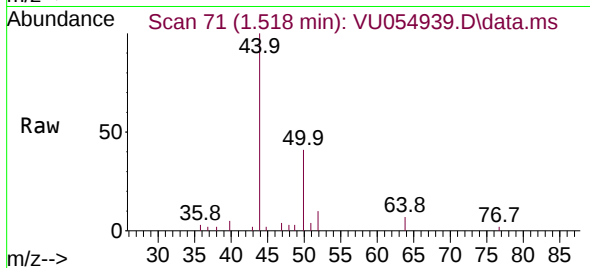
#3
Chloromethane
Concen: 0.285 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU054939.D
Acq: 28 Aug 2023 21:30

Instrument :

MSVOA_U

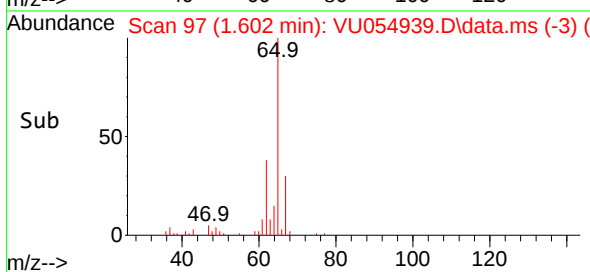
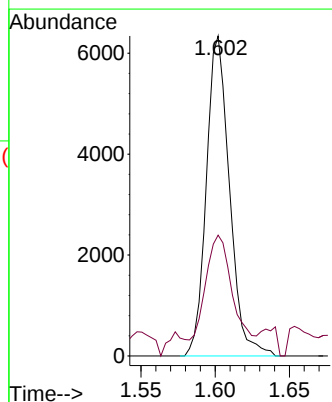
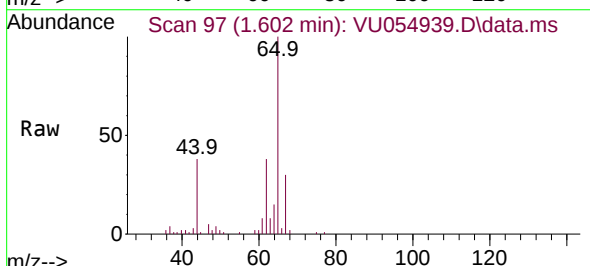
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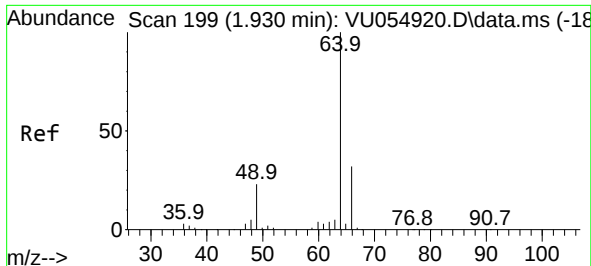
Tgt Ion: 50 Resp: 3321
Ion Ratio Lower Upper
50 100
52 25.0 23.4 43.6



#5
Vinyl chloride
Concen: 0.568 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.003 min
Lab File: VU054939.D
Acq: 28 Aug 2023 21:30

Tgt Ion: 62 Resp: 6880
Ion Ratio Lower Upper
62 100
64 37.8 22.7 42.1

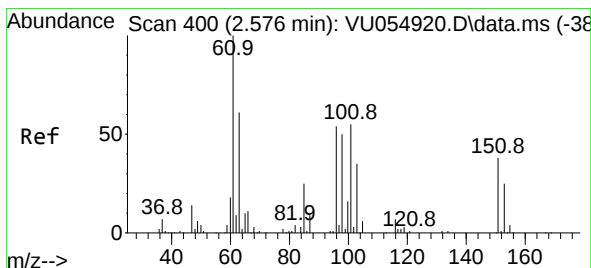
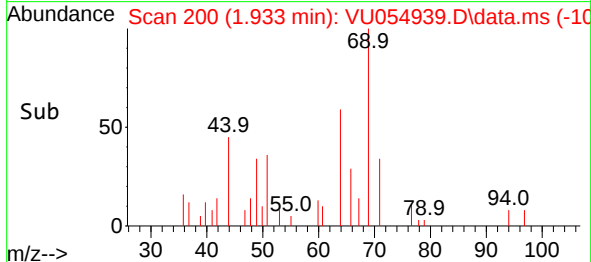
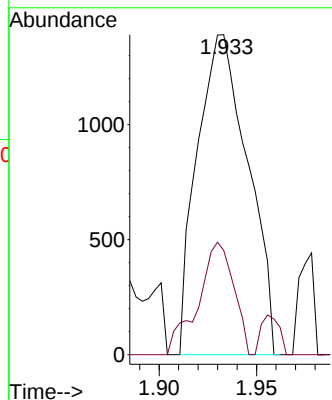
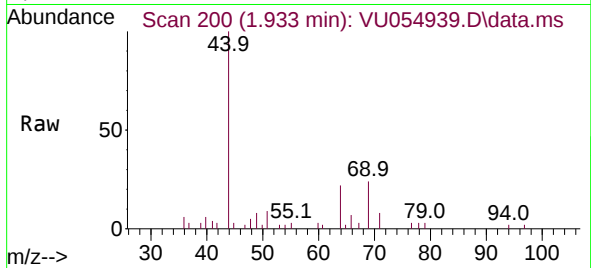




#8
Chloroethane
Concen: 0.316 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.003 min
Lab File: VU054939.D
Acq: 28 Aug 2023 21:30

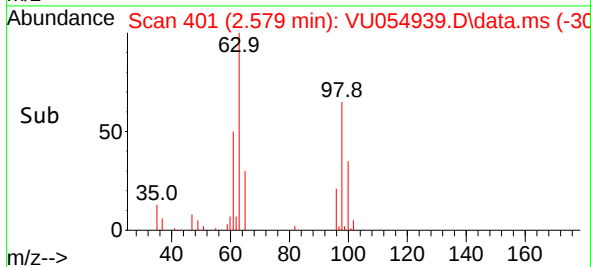
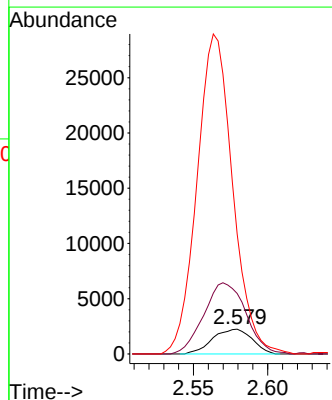
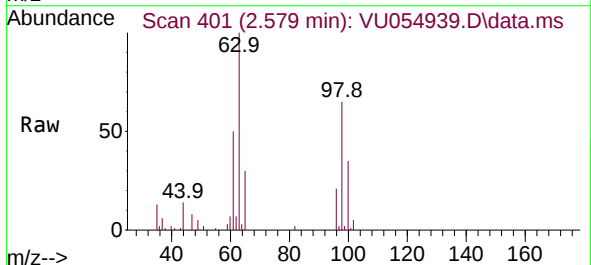
Instrument :
MSVOA_U
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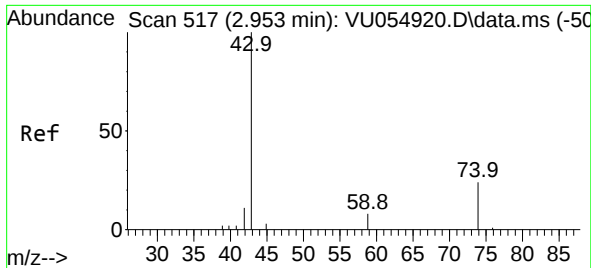
Tgt Ion: 64 Resp: 2515
Ion Ratio Lower Upper
64 100
66 29.9 21.5 39.9



#12
1,1-Dichloroethene
Concen: 0.510 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU054939.D
Acq: 28 Aug 2023 21:30

Tgt Ion: 96 Resp: 4153
Ion Ratio Lower Upper
96 100
61 243.7 132.4 245.8
63 483.4 82.5 153.1#

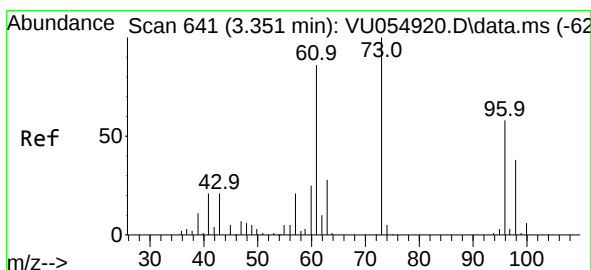
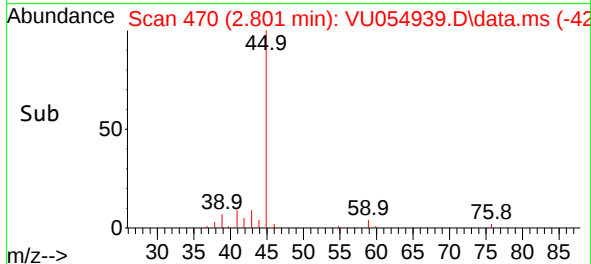
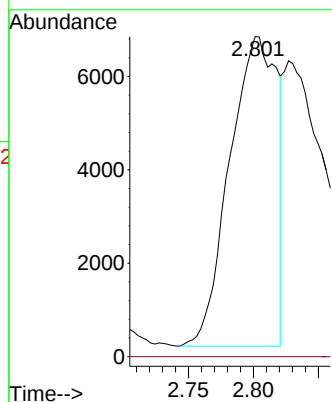
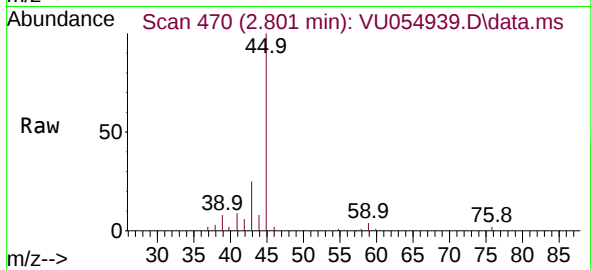




#15
Methyl Acetate
Concen: 4.927 ug/L
RT: 2.801 min Scan# 41
Delta R.T. -0.151 min
Lab File: VU054939.D
Acq: 28 Aug 2023 21:30

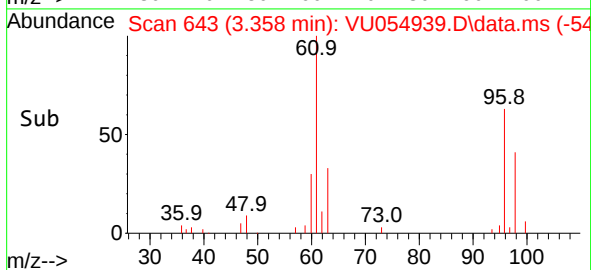
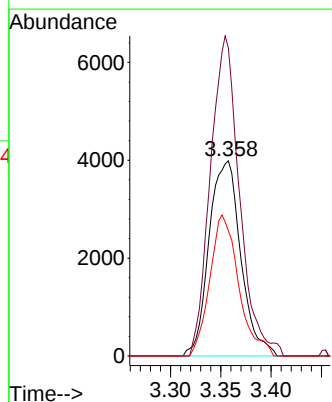
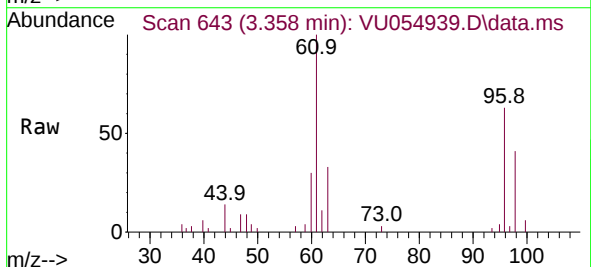
Instrument :
MSVOA_U
ClientSampleId :

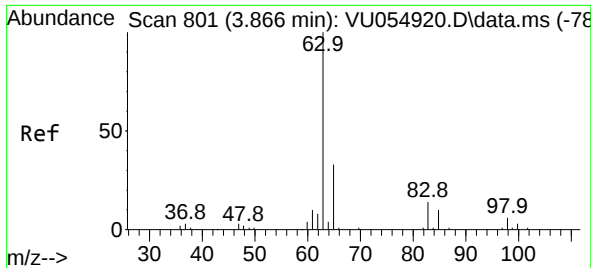
Tgt Ion: 43 Resp: 16755
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#18
trans-1,2-Dichloroethene
Concen: 0.983 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.006 min
Lab File: VU054939.D
Acq: 28 Aug 2023 21:30

Tgt Ion: 96 Resp: 8745
Ion Ratio Lower Upper
96 100
61 157.8 108.8 202.0
98 64.2 45.8 85.2

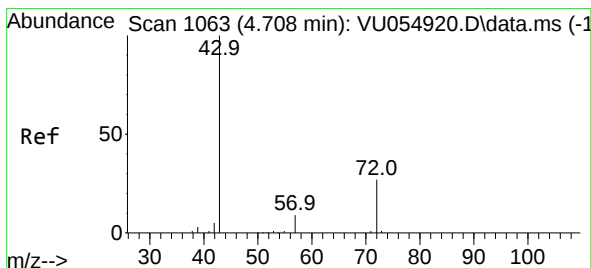
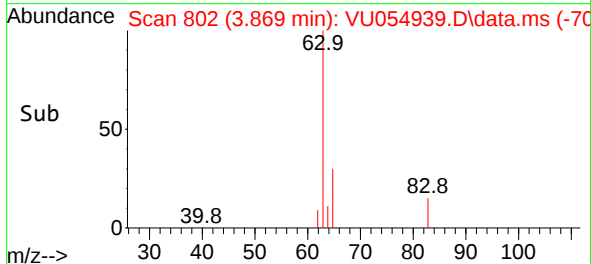
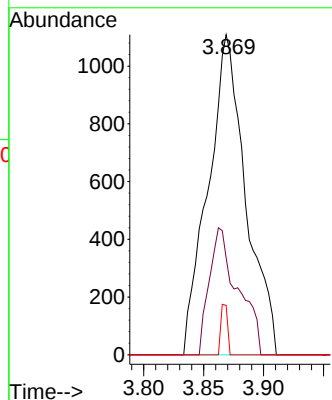
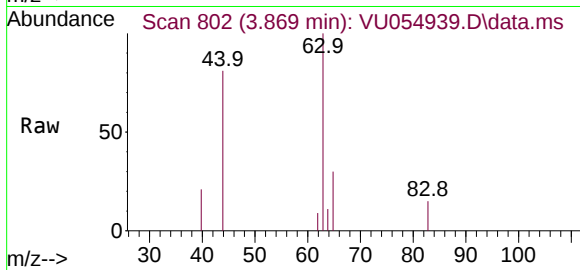




#19
1,1-Dichloroethane
Concen: 0.130 ug/L
RT: 3.869 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU054939.D
Acq: 28 Aug 2023 21:30

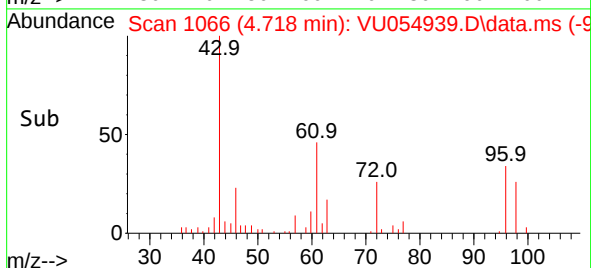
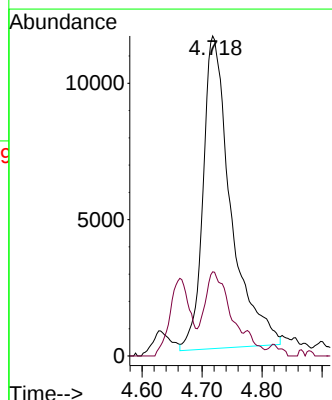
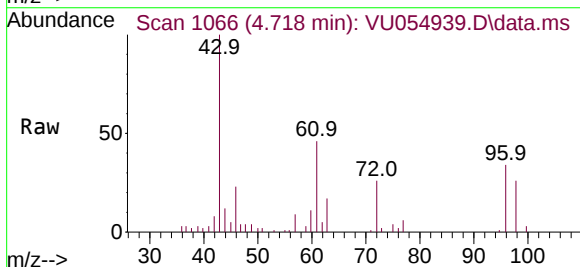
Instrument :
MSVOA_U
ClientSampleId :

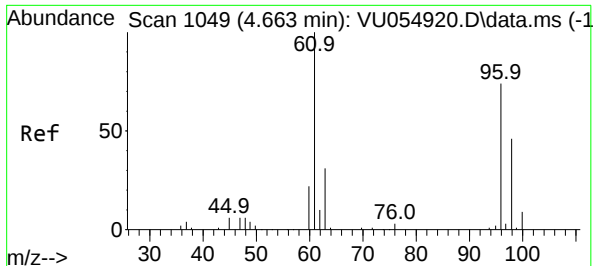
Tgt Ion: 63 Resp: 2419
Ion Ratio Lower Upper
63 100
65 27.3 22.5 41.7
83 13.9 9.5 17.7



#21
2-Butanone
Concen: 14.500 ug/L
RT: 4.718 min Scan# 1066
Delta R.T. 0.010 min
Lab File: VU054939.D
Acq: 28 Aug 2023 21:30

Tgt Ion: 43 Resp: 36907
Ion Ratio Lower Upper
43 100
72 16.6 14.1 42.3





#22

cis-1,2-Dichloroethene

Concen: 55.879 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU054939.D

Acq: 28 Aug 2023 21:30

Instrument :

MSVOA_U

ClientSampleId :

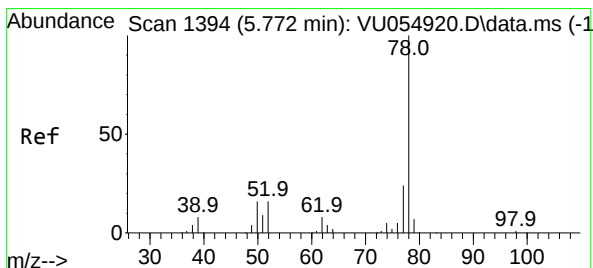
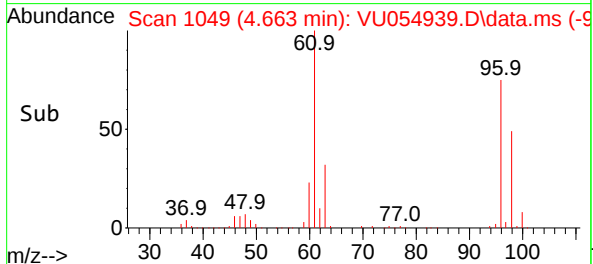
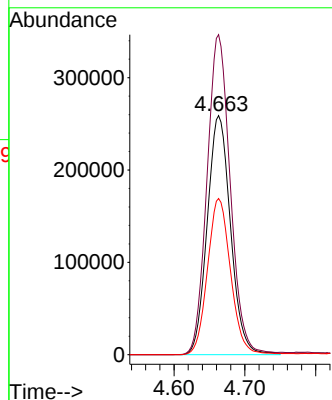
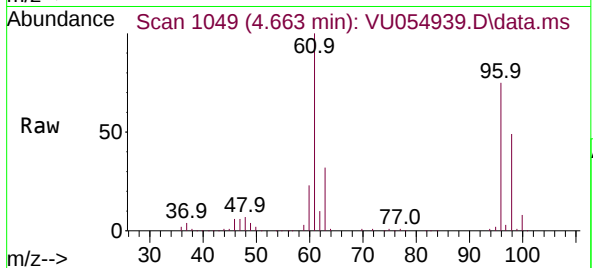
Tgt Ion: 96 Resp: 592968

Ion Ratio Lower Upper

96 100

61 133.9 88.4 164.2

98 65.3 44.0 81.6



#33

Benzene

Concen: 0.154 ug/L

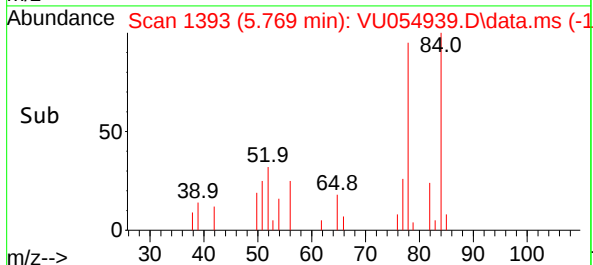
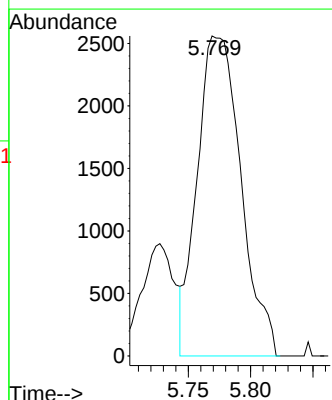
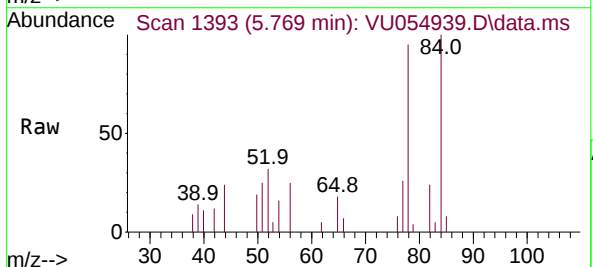
RT: 5.769 min Scan# 1393

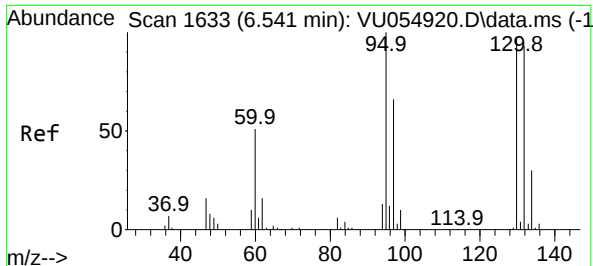
Delta R.T. -0.003 min

Lab File: VU054939.D

Acq: 28 Aug 2023 21:30

Tgt Ion: 78 Resp: 6234



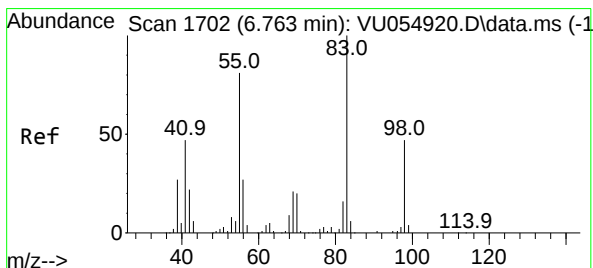
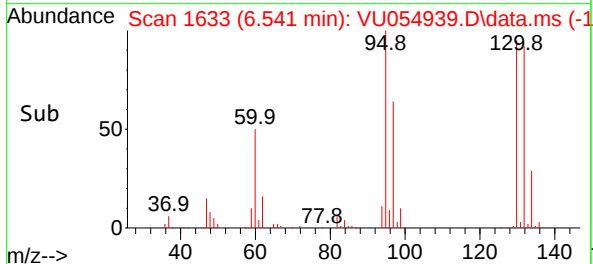
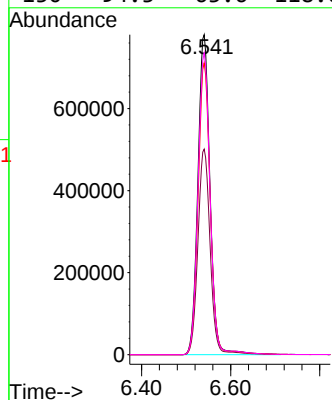
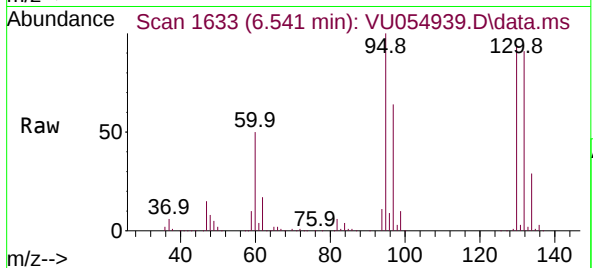


#34
Trichloroethene
Concen: 132.644 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU054939.D
Acq: 28 Aug 2023 21:30

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 1491139

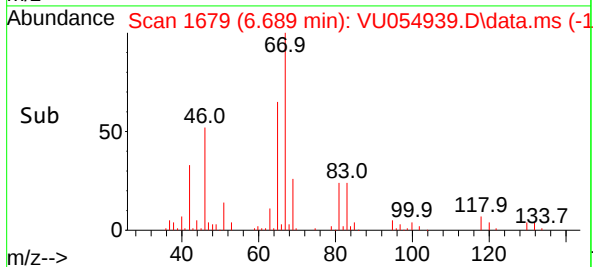
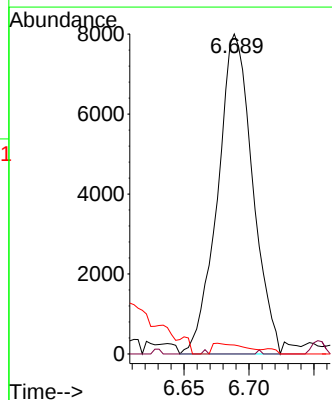
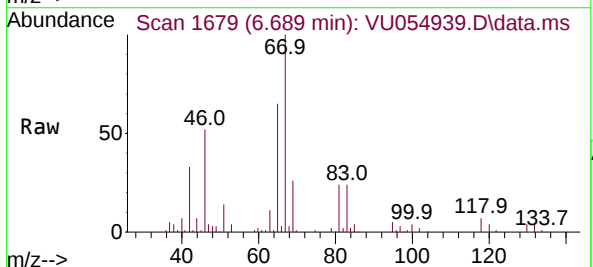
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.1	81.9
132	91.2	63.6	118.2
130	94.3	63.6	118.0

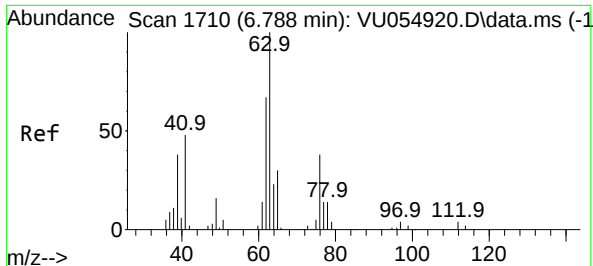


#35
Methylcyclohexane
Concen: 0.900 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.074 min
Lab File: VU054939.D
Acq: 28 Aug 2023 21:30

Tgt Ion: 83 Resp: 14962

Ion	Ratio	Lower	Upper
83	100		
55	0.1	62.1	93.1#
98	0.0	37.8	56.6#

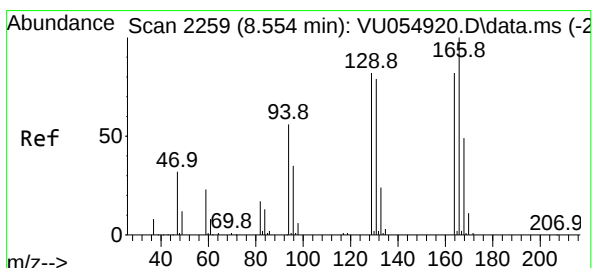
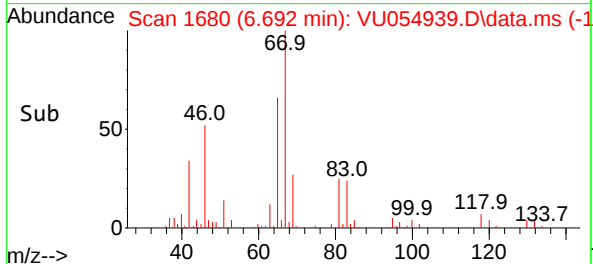
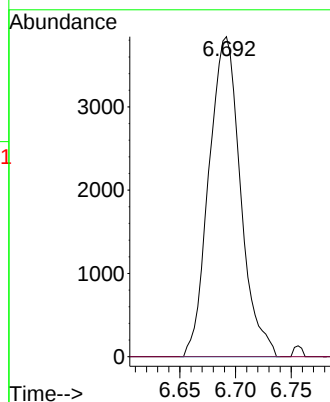
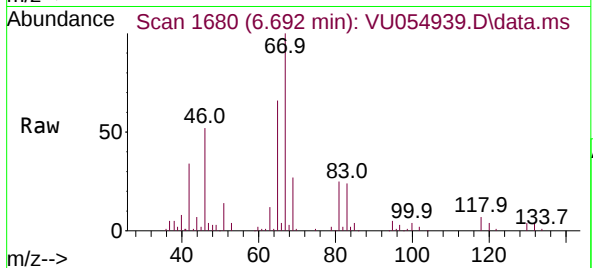




#37
1,2-Dichloropropane
Concen: 0.671 ug/L
RT: 6.692 min Scan# 1
Delta R.T. -0.097 min
Lab File: VU054939.D
Acq: 28 Aug 2023 21:30

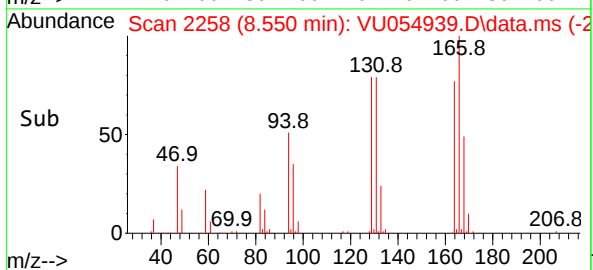
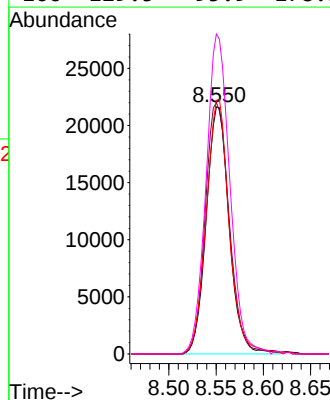
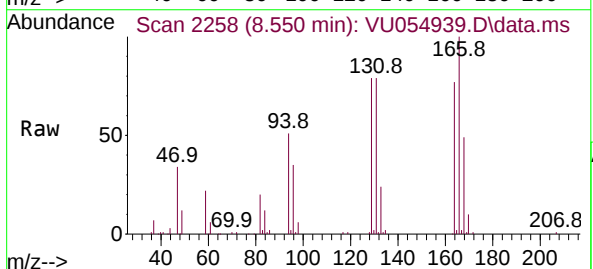
Instrument :
MSVOA_U
ClientSampleId :

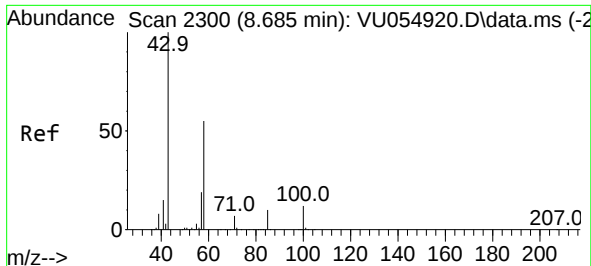
Tgt Ion: 63 Resp: 7585
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#



#47
Tetrachloroethene
Concen: 4.528 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.003 min
Lab File: VU054939.D
Acq: 28 Aug 2023 21:30

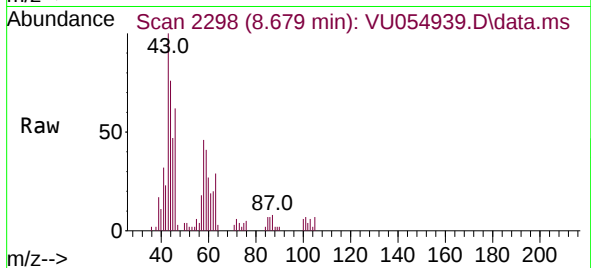
Tgt Ion: 164 Resp: 36574
Ion Ratio Lower Upper
164 100
129 101.7 72.8 135.2
131 102.7 70.7 131.3
166 129.5 95.9 178.1



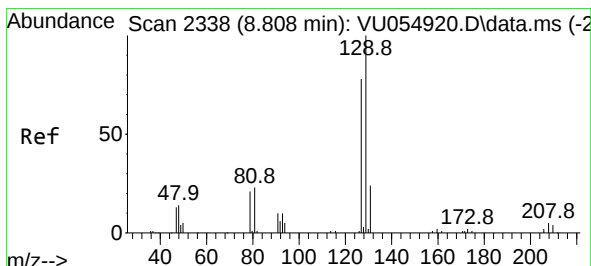
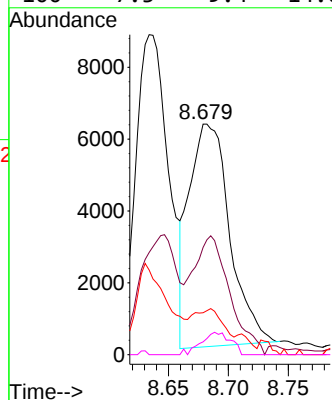
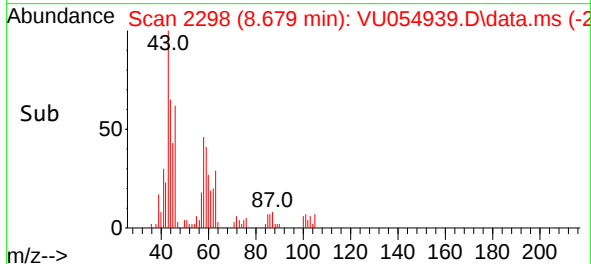


#48
2-Hexanone
Concen: 3.132 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.007 min
Lab File: VU054939.D
Acq: 28 Aug 2023 21:30

Instrument :
MSVOA_U
ClientSampleId :

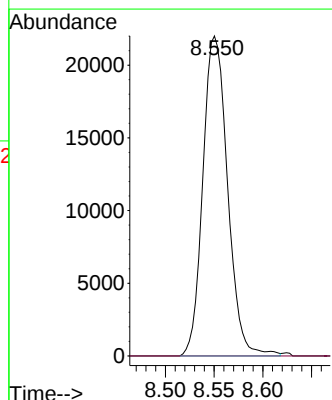
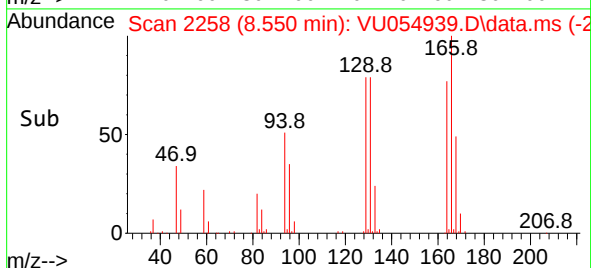
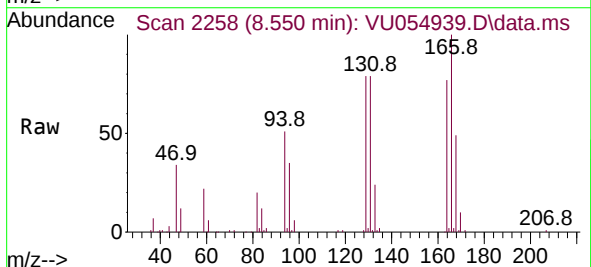


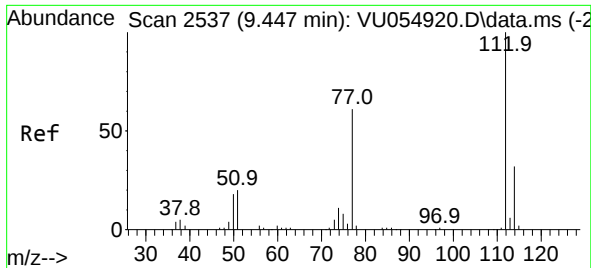
Tgt Ion: 43 Resp: 14621
Ion Ratio Lower Upper
43 100
58 48.5 44.0 66.0
57 9.6 15.9 23.9#
100 7.3 9.4 14.0#



#49
Dibromochloromethane
Concen: 4.399 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.257 min
Lab File: VU054939.D
Acq: 28 Aug 2023 21:30

Tgt Ion: 129 Resp: 38893
Ion Ratio Lower Upper
129 100
127 0.0 60.5 112.5#

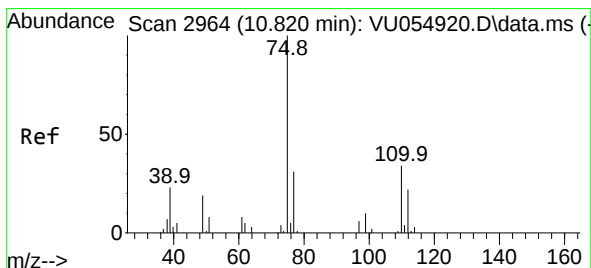
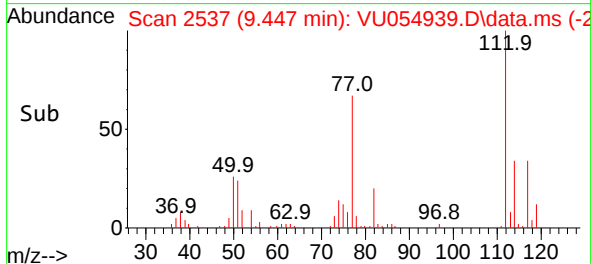
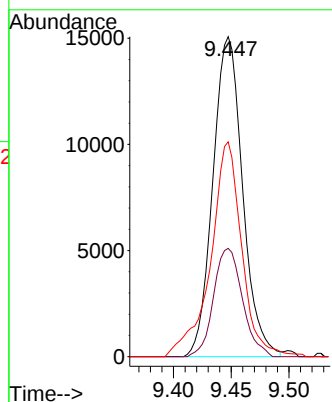
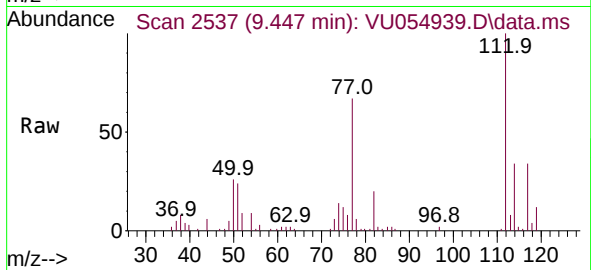




#51
Chlorobenzene
Concen: 0.921 ug/L
RT: 9.447 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054939.D
Acq: 28 Aug 2023 21:30

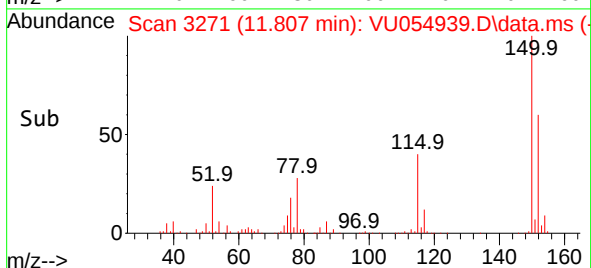
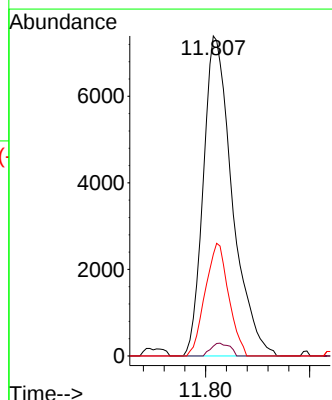
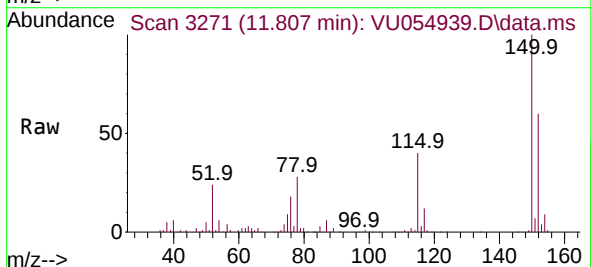
Instrument :
MSVOA_U
ClientSampleId :

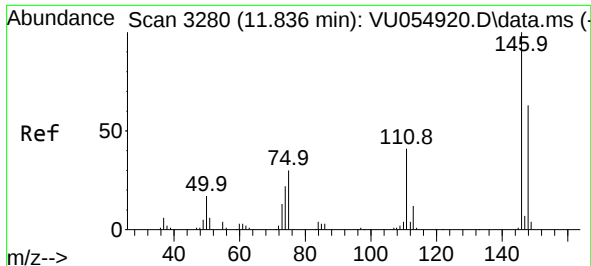
Tgt Ion:112 Resp: 26987
Ion Ratio Lower Upper
112 100
114 33.8 23.4 43.4
77 67.2 49.3 73.9



#61
1,2,3-Trichloropropane
Concen: 2.144 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.987 min
Lab File: VU054939.D
Acq: 28 Aug 2023 21:30

Tgt Ion: 75 Resp: 14257
Ion Ratio Lower Upper
75 100
110 2.6 29.0 43.6#
77 28.5 26.5 39.7





#65

1,4-Dichlorobenzene

Concen: 0.229 ug/L

RT: 11.839 min Scan# 31

Delta R.T. 0.003 min

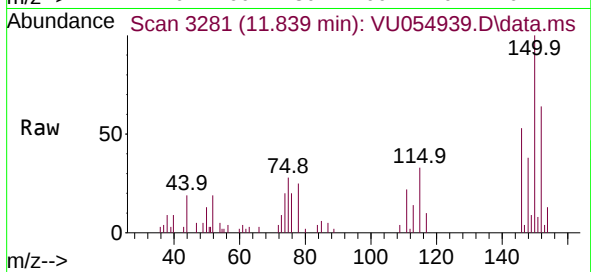
Lab File: VU054939.D

Acq: 28 Aug 2023 21:30

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:146 Resp: 5113

Ion Ratio Lower Upper

146 100

111 40.8 29.9 55.5

148 70.9 44.7 83.1

