

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090623\
 Data File : VU055168.D
 Acq On : 07 Sep 2023 02:59
 Operator : MD/SY
 Sample : 04306-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 07 03:33:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	162431	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	164829	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	92717	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	29809	3.916	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.400%
7) Chloroethane-d5	1.908	69	38502	4.369	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.400%
11) 1,1-Dichloroethene-d2	2.560	65	19208	4.428	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.600%
20) 2-Butanone-d5	4.628	46	120869	54.712	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.420%
24) Chloroform-d	5.059	84	98302	4.866	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	5.698	65	50683	5.015	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
32) Benzene-d6	5.724	84	185574	4.561	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.689	67	62363	4.819	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.898	98	161009	4.296	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.000%
43) trans-1,3-Dichloroprop...	8.181	79	13955	3.916	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.400%
46) 2-Hexanone-d5	8.631	63	75867	52.438	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.880%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	46515	5.111	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	66551	4.918	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	2476	0.258	ug/L #	78
5) Vinyl chloride	1.599	62	1987	0.196	ug/L #	77
12) 1,1-Dichloroethene	2.573	96	1171	0.156	ug/L #	1
17) Methyl tert-butyl Ether	3.361	73	2556	0.130	ug/L #	81
18) trans-1,2-Dichloroethene	3.351	96	1626	0.213	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	52126	5.589	ug/L	94
34) Trichloroethene	6.541	95	143133	14.681	ug/L	97
35) Methylcyclohexane	6.689	83	14515	1.061	ug/L #	19
37) 1,2-Dichloropropane	6.689	63	6881	0.720	ug/L #	88
47) Tetrachloroethene	8.550	164	33059	4.906	ug/L	94
48) 2-Hexanone	8.685	43	16169	3.789	ug/L #	88
49) Dibromochloromethane	8.550	129	32157	4.579	ug/L #	9
51) Chlorobenzene	9.444	112	175221	7.074	ug/L	99
61) 1,2,3-Trichloropropane	11.743	75	24713	4.017	ug/L #	49
64) 1,3-Dichlorobenzene	11.743	146	72302	3.484	ug/L	94
65) 1,4-Dichlorobenzene	11.836	146	151976	7.347	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	79152	4.068	ug/L	97
68) 1,2-Dibromo-3-chloropr...	13.216	75	1549	1.307	ug/L #	9
69) 1,3,5-Trichlorobenzene	13.840	180	4654364	296.741	ug/L	99

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QLast Update : Wed Sep 06 05:03:37 2023
Response via : Initial Calibration

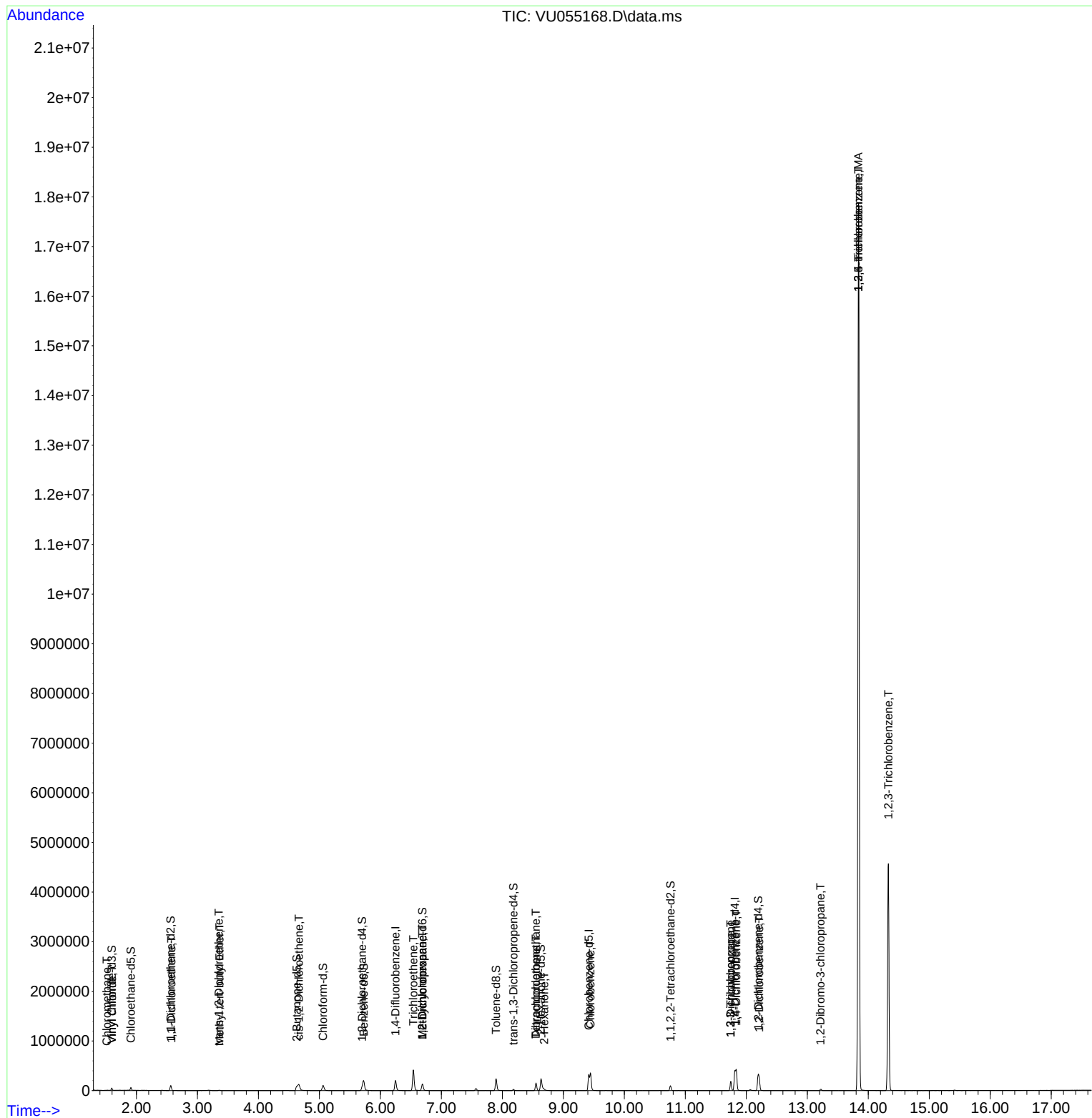
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.840	180	4654364	316.459	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	1239689	97.110	ug/L	98

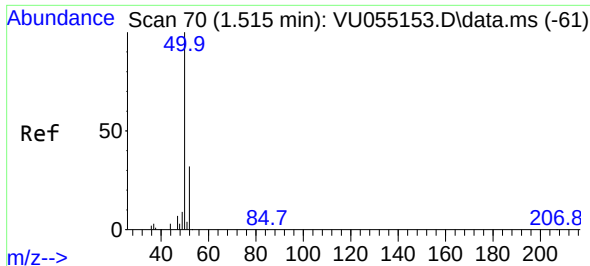
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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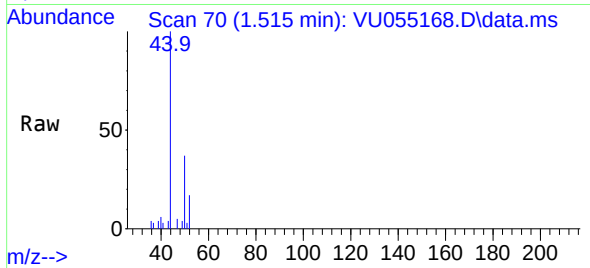
Quant Time: Sep 07 03:33:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
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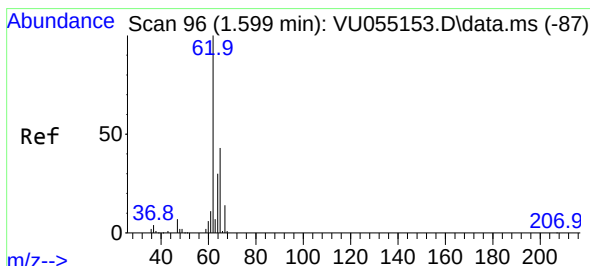
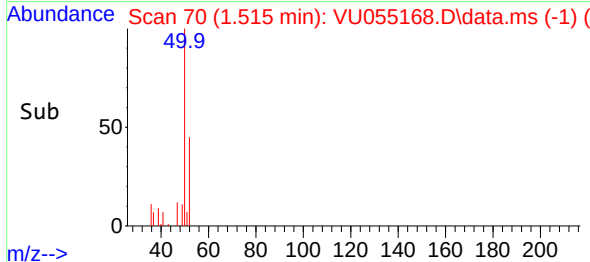
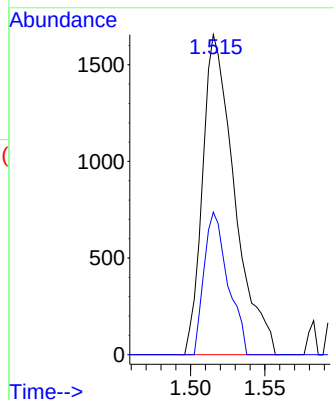


#3
Chloromethane
Concen: 0.258 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Instrument :
MSVOA_U
ClientSampleId :

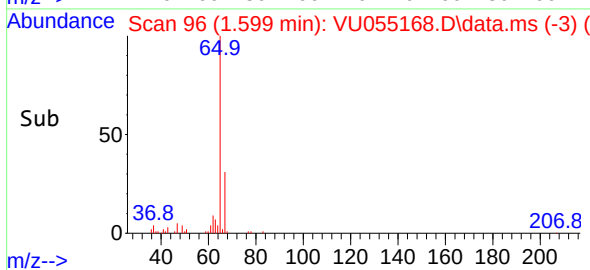
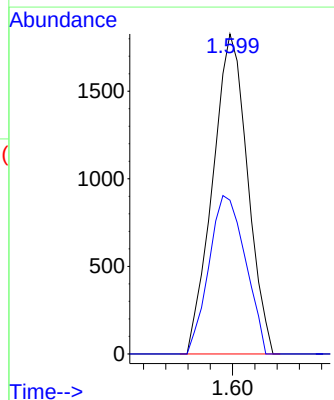
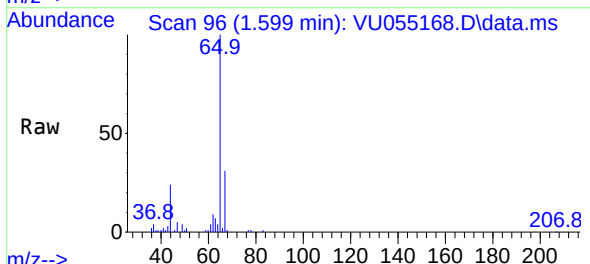


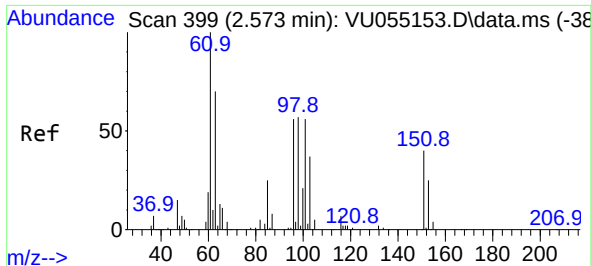
Tgt Ion: 50 Resp: 2476
Ion Ratio Lower Upper
50 100
52 44.6 22.5 41.7#



#5
Vinyl chloride
Concen: 0.196 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Tgt Ion: 62 Resp: 1987
Ion Ratio Lower Upper
62 100
64 48.1 24.2 45.0#





#12

1,1-Dichloroethene

Concen: 0.156 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

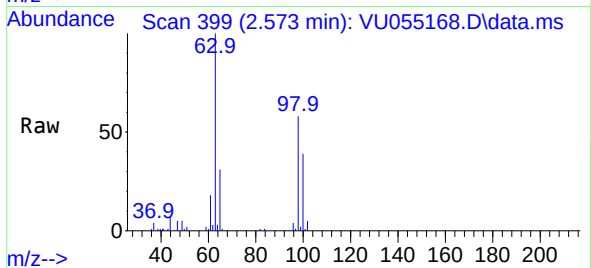
Lab File: VU055168.D

Acq: 07 Sep 2023 02:59

Instrument :

MSVOA_U

ClientSampleId :



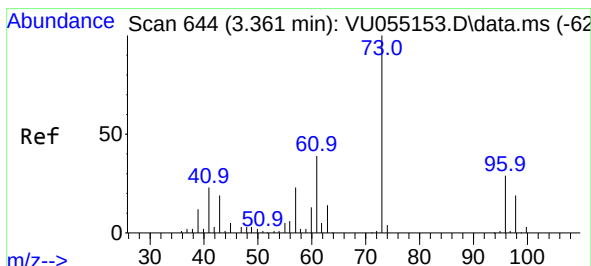
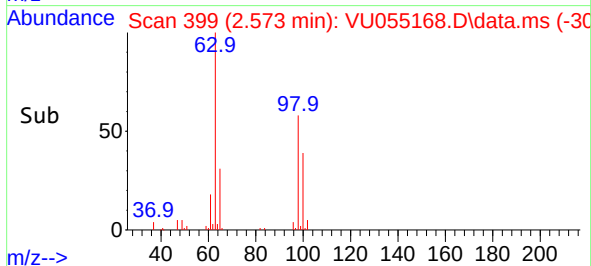
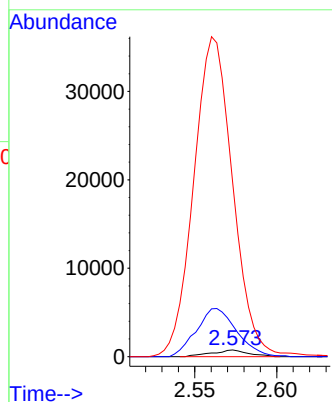
Tgt Ion: 96 Resp: 1171

Ion Ratio Lower Upper

96 100

61 353.4 120.8 224.4#

63 1957.9 94.5 175.5#



#17

Methyl tert-butyl Ether

Concen: 0.130 ug/L

RT: 3.361 min Scan# 644

Delta R.T. -0.003 min

Lab File: VU055168.D

Acq: 07 Sep 2023 02:59

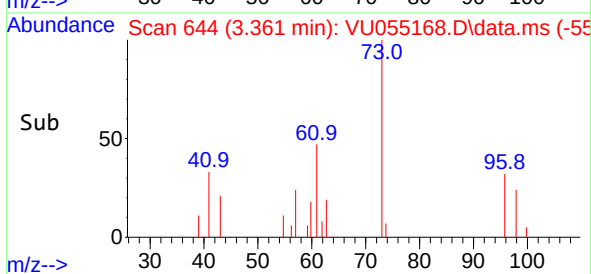
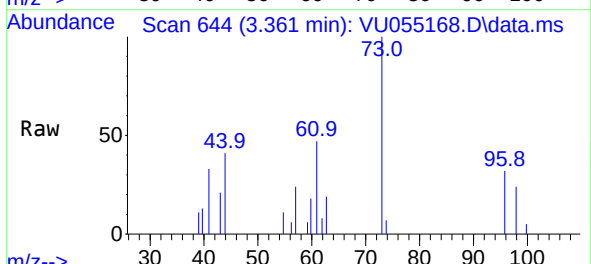
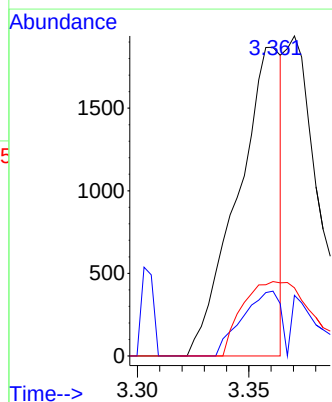
Tgt Ion: 73 Resp: 2556

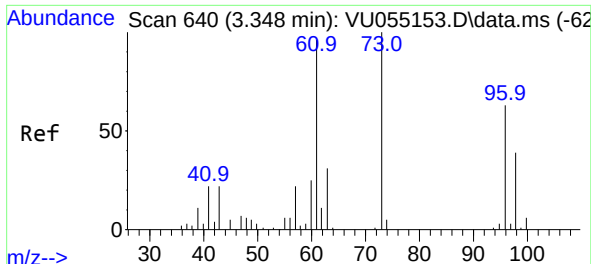
Ion Ratio Lower Upper

73 100

43 18.3 16.2 24.2

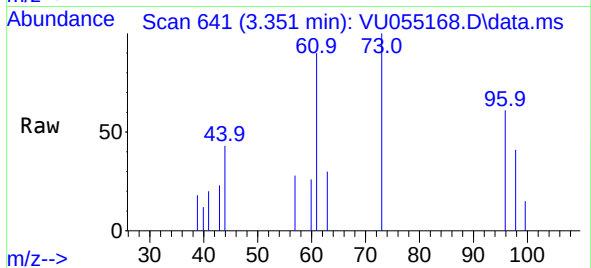
57 37.0 17.4 26.2#



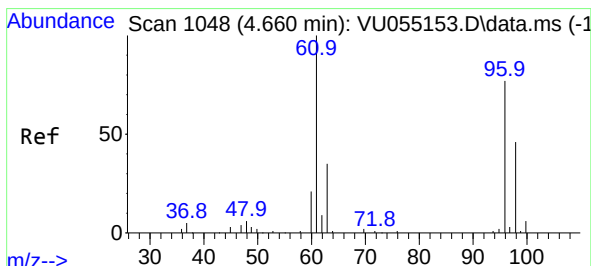
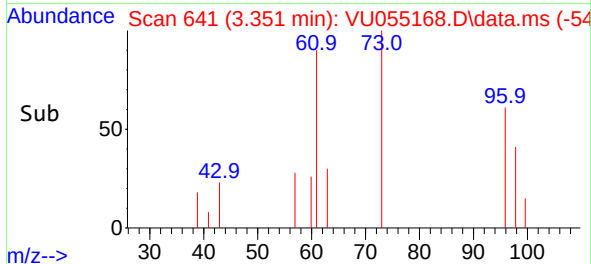
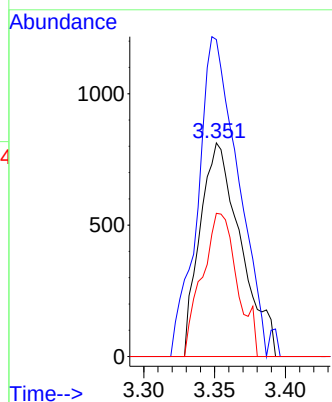


#18
trans-1,2-Dichloroethene
Concen: 0.213 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Instrument :
MSVOA_U
ClientSampleId :

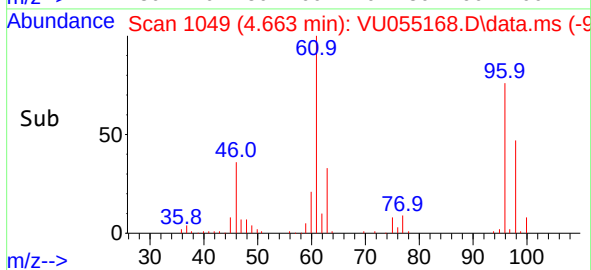
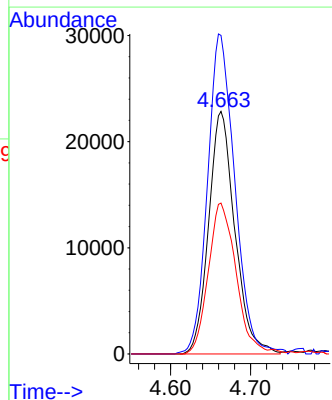
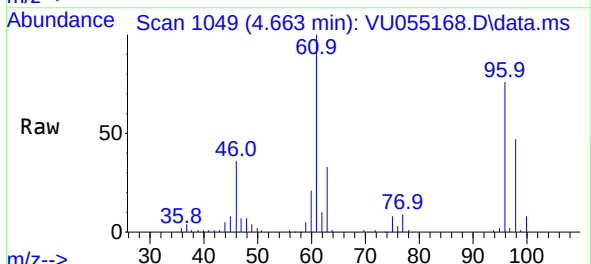


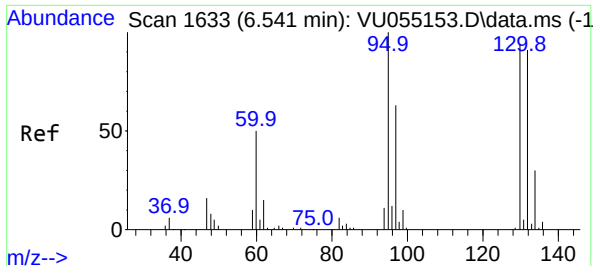
Tgt Ion: 96 Resp: 1626
Ion Ratio Lower Upper
96 100
61 148.3 108.1 200.9
98 67.0 45.4 84.4



#22
cis-1,2-Dichloroethene
Concen: 5.589 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

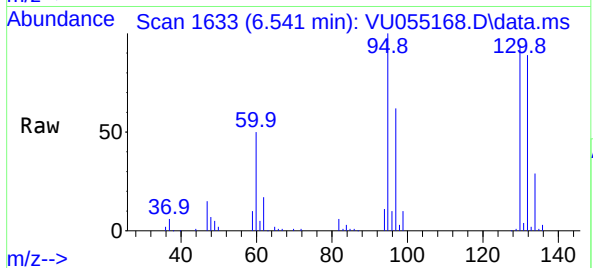
Tgt Ion: 96 Resp: 52126
Ion Ratio Lower Upper
96 100
61 131.4 97.2 180.4
98 62.2 46.1 85.7



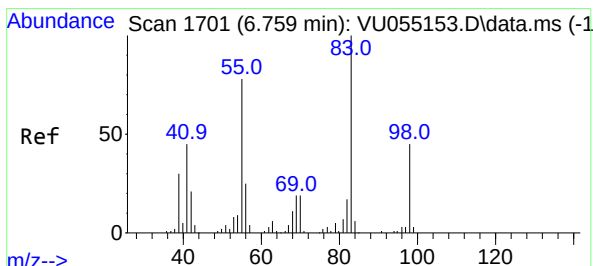
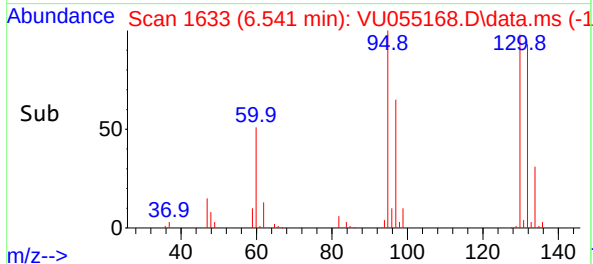
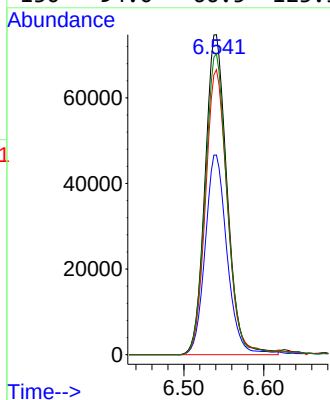


#34
Trichloroethene
Concen: 14.681 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Instrument :
MSVOA_U
ClientSampleId :

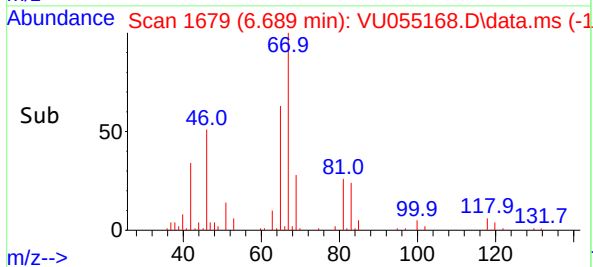
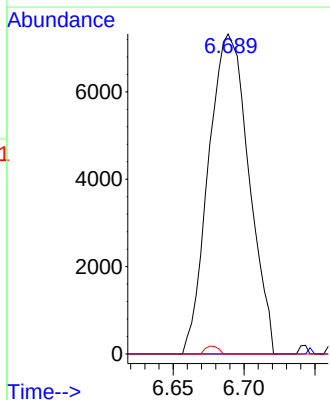
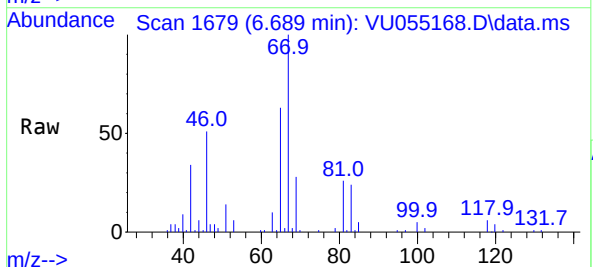


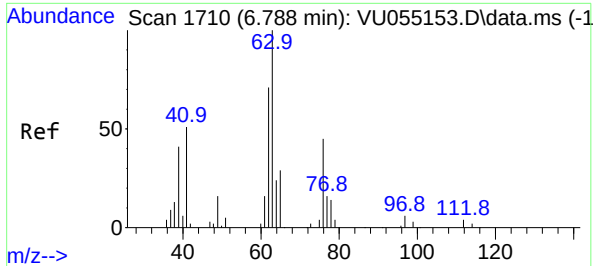
Tgt Ion: 95 Resp: 143133
Ion Ratio Lower Upper
95 100
97 62.4 44.7 83.1
132 89.0 66.6 123.6
130 94.0 66.5 123.5



#35
Methylcyclohexane
Concen: 1.061 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.070 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Tgt Ion: 83 Resp: 14515
Ion Ratio Lower Upper
83 100
55 0.2 60.4 90.6#
98 0.0 35.3 52.9#

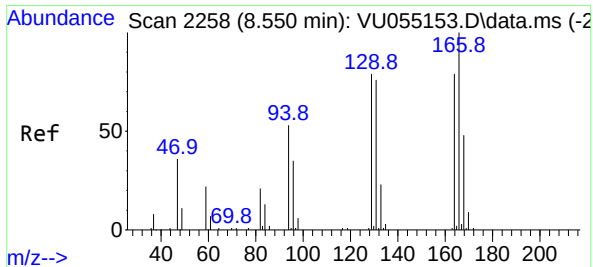
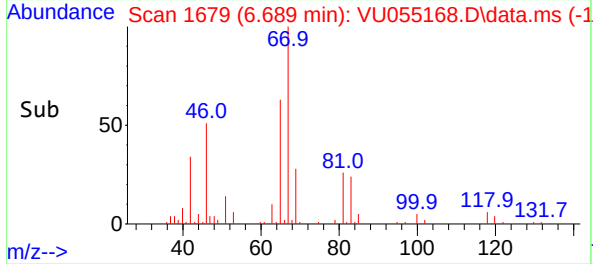
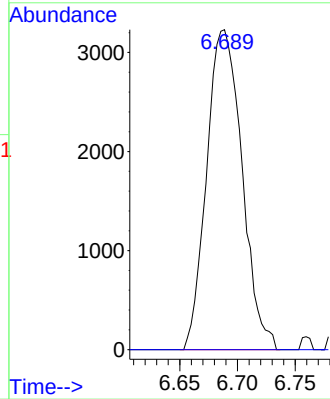
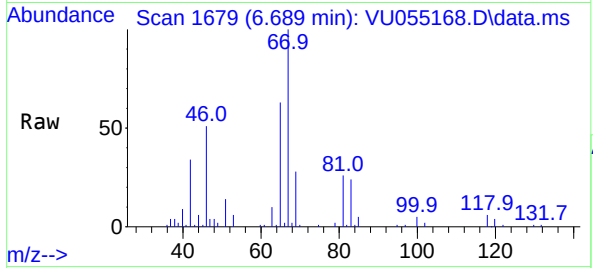




#37
1,2-Dichloropropane
Concen: 0.720 ug/L
RT: 6.689 min Scan# 1
Delta R.T. -0.099 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

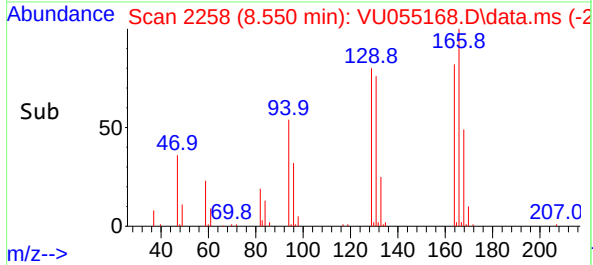
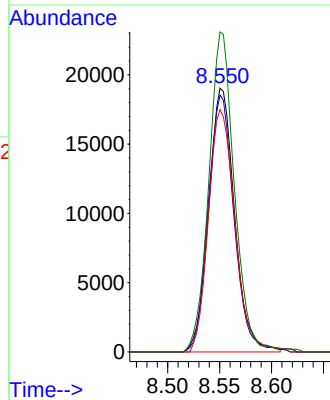
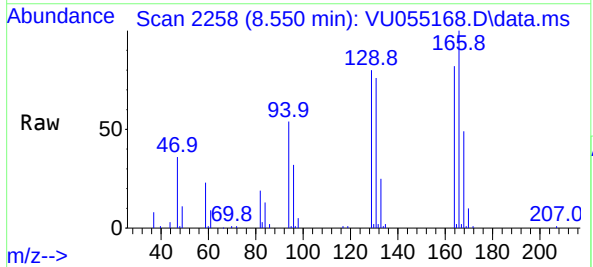
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MSVOA_U
ClientSampleId :

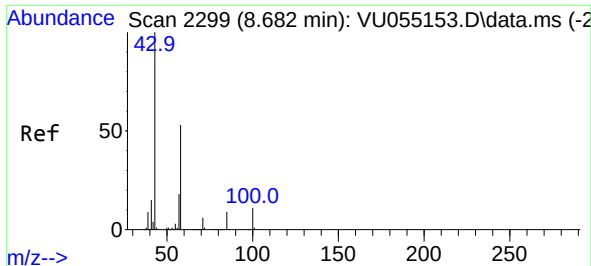
Tgt Ion: 63 Resp: 6881
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#47
Tetrachloroethene
Concen: 4.906 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.003 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

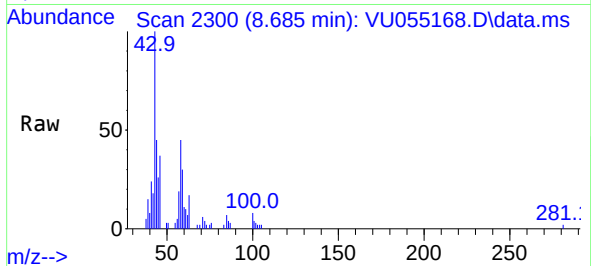
Tgt Ion:164 Resp: 33059
Ion Ratio Lower Upper
164 100
129 97.4 69.2 128.6
131 91.8 68.8 127.8
166 121.3 92.3 171.5





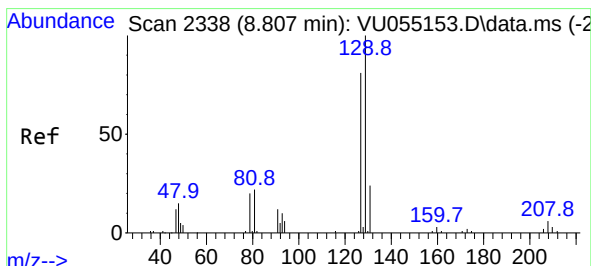
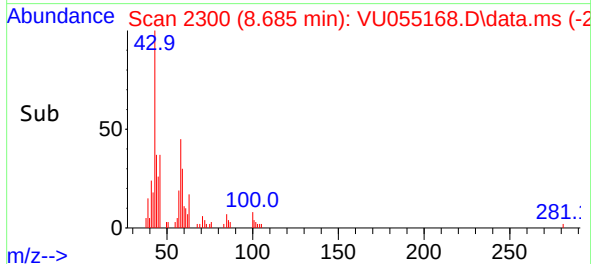
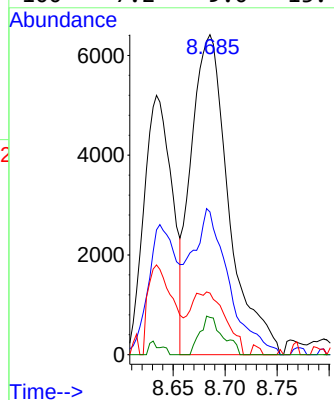
#48
2-Hexanone
Concen: 3.789 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 16169

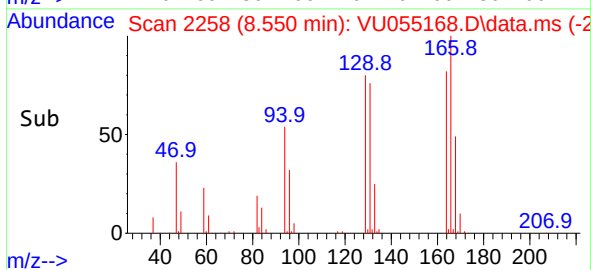
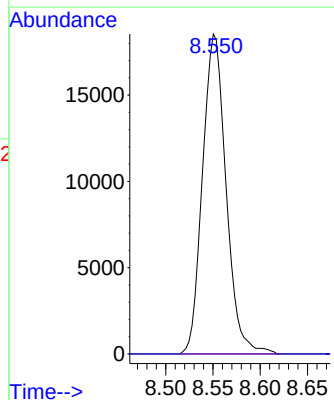
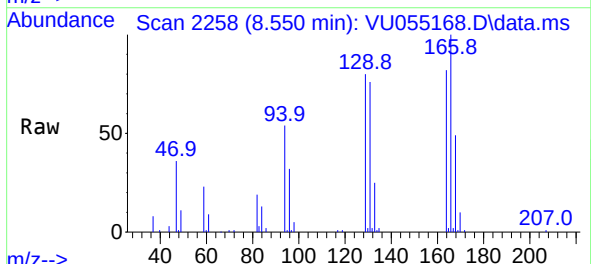
Ion	Ratio	Lower	Upper
43	100		
58	44.2	44.0	66.0
57	18.2	16.2	24.2
100	7.2	9.0	13.4

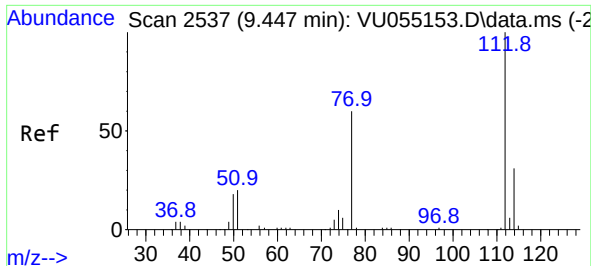


#49
Dibromochloromethane
Concen: 4.579 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.257 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Tgt Ion: 129 Resp: 32157

Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.9	103.7

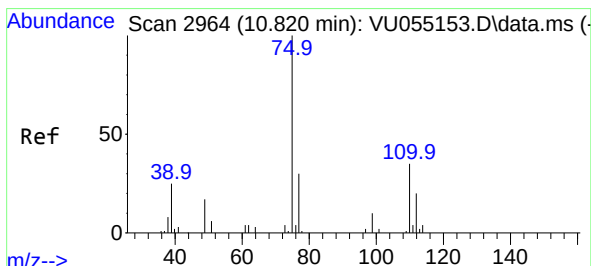
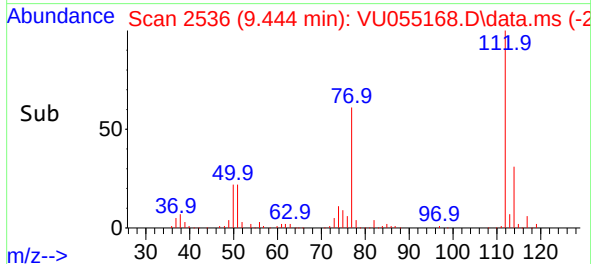
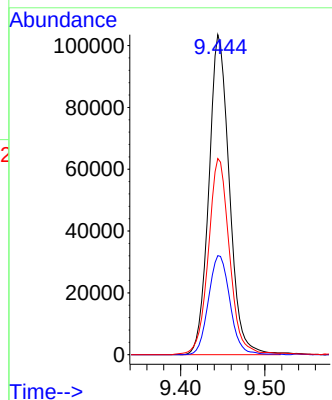
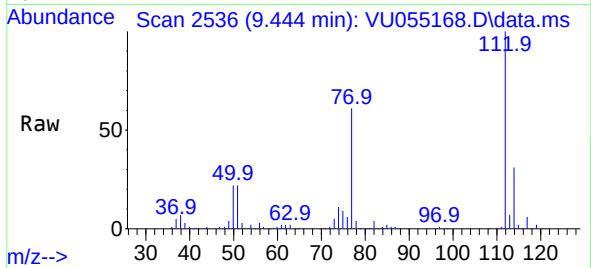




#51
Chlorobenzene
Concen: 7.074 ug/L
RT: 9.444 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

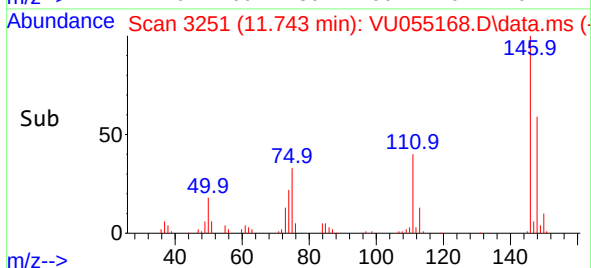
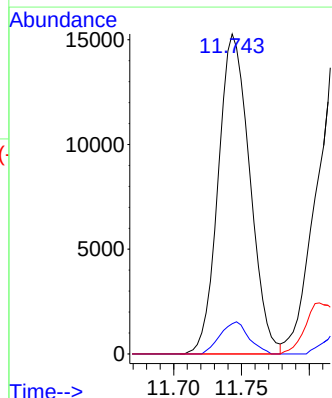
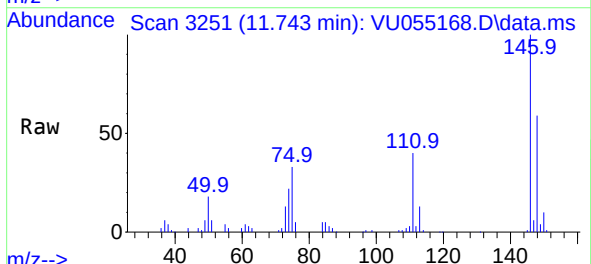
Instrument :
MSVOA_U
ClientSampleId :

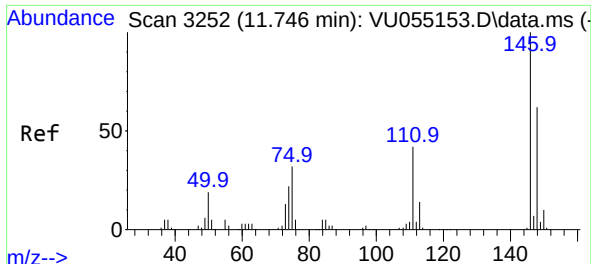
Tgt Ion:112 Resp: 175221
Ion Ratio Lower Upper
112 100
114 30.9 21.7 40.3
77 61.3 48.6 72.8



#61
1,2,3-Trichloropropane
Concen: 4.017 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.923 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Tgt Ion: 75 Resp: 24713
Ion Ratio Lower Upper
75 100
110 9.1 28.2 42.2#
77 0.0 26.2 39.4#

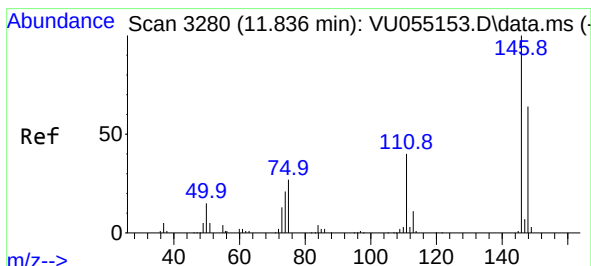
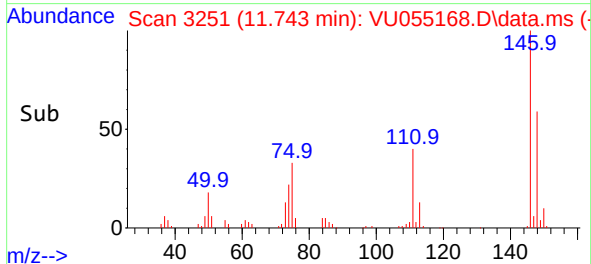
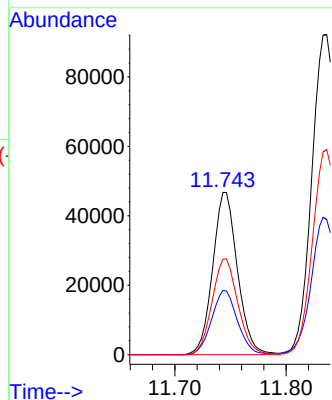
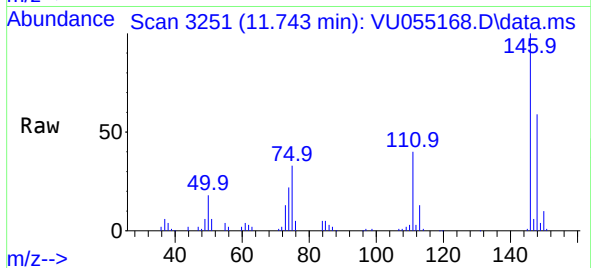




#64
1,3-Dichlorobenzene
Concen: 3.484 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

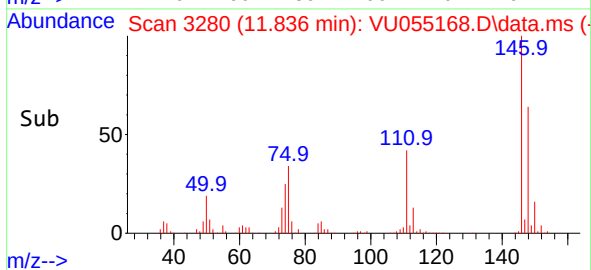
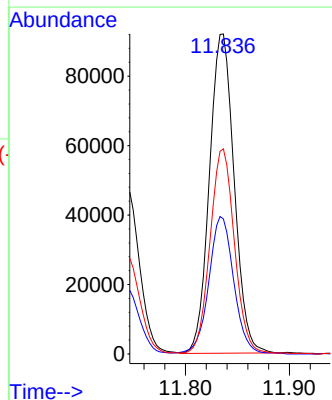
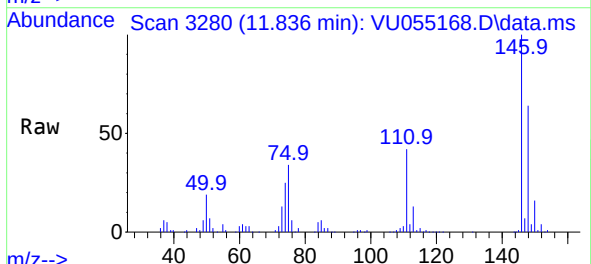
Instrument :
MSVOA_U
ClientSampleId :

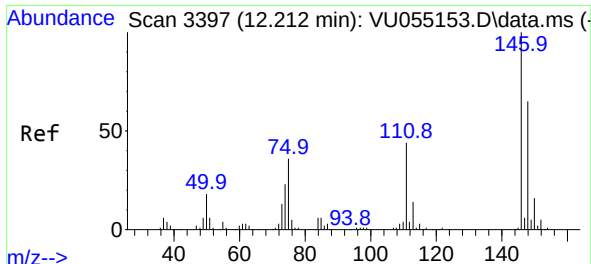
Tgt Ion:146 Resp: 72302
Ion Ratio Lower Upper
146 100
111 39.6 30.0 55.6
148 58.8 45.2 84.0



#65
1,4-Dichlorobenzene
Concen: 7.347 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.000 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Tgt Ion:146 Resp: 151976
Ion Ratio Lower Upper
146 100
111 42.2 28.1 52.1
148 64.1 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 4.068 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU055168.D

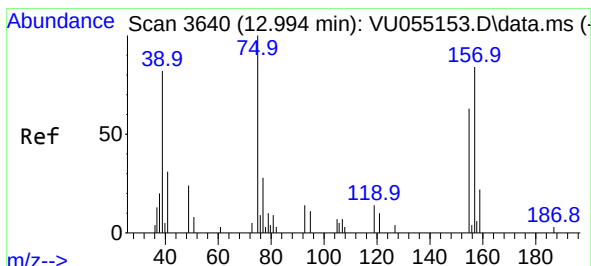
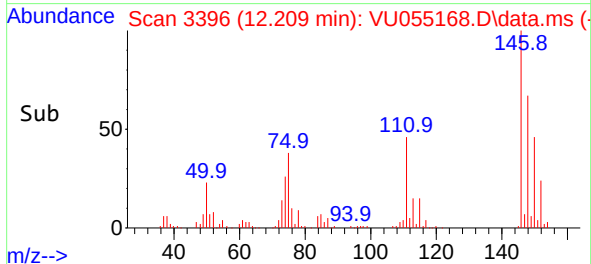
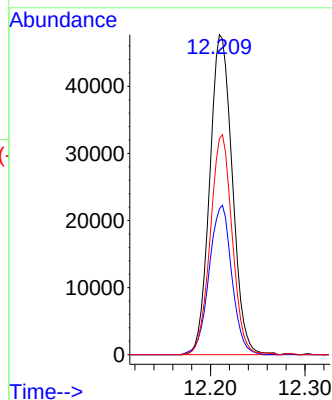
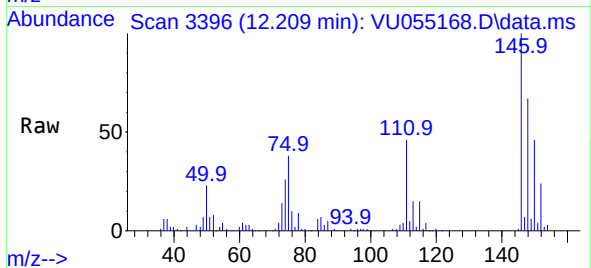
Acq: 07 Sep 2023 02:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	146	Resp:	79152
Ion	Ratio	Lower	Upper
146	100		
111	45.6	35.6	53.4
148	67.5	51.3	76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 1.307 ug/L

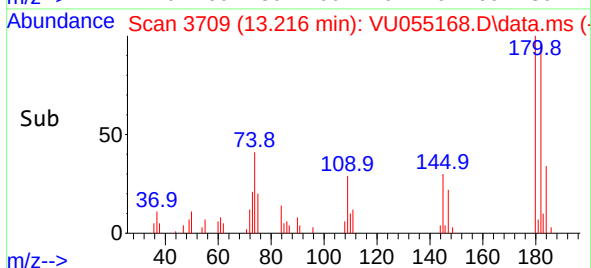
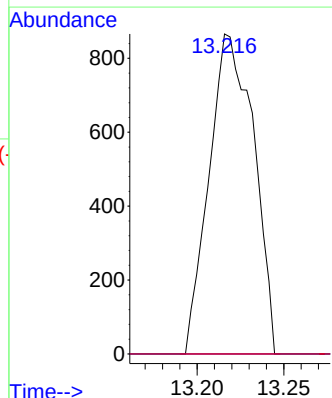
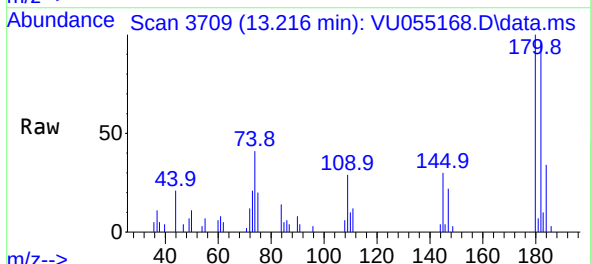
RT: 13.216 min Scan# 3709

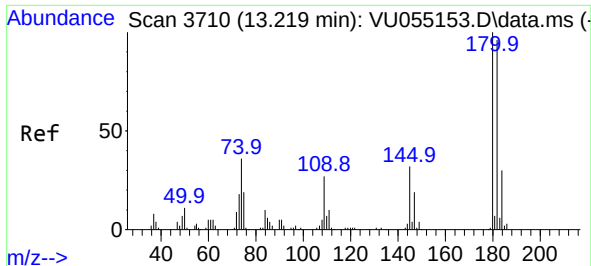
Delta R.T. 0.222 min

Lab File: VU055168.D

Acq: 07 Sep 2023 02:59

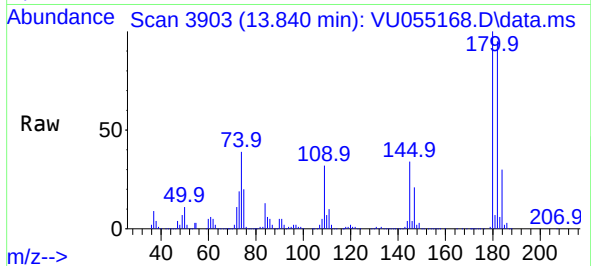
Tgt Ion:	75	Resp:	1549
Ion	Ratio	Lower	Upper
75	100		
155	0.0	61.1	91.7#
157	0.0	66.8	100.2#



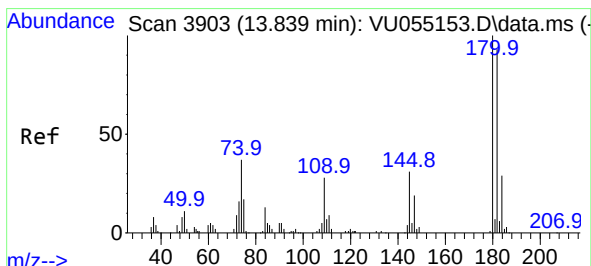
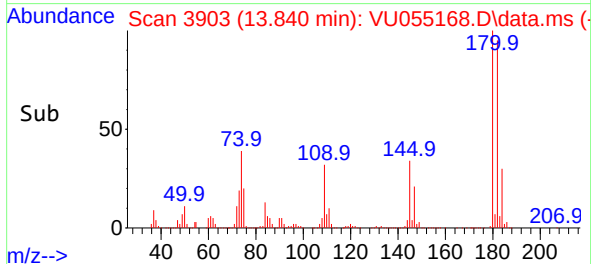
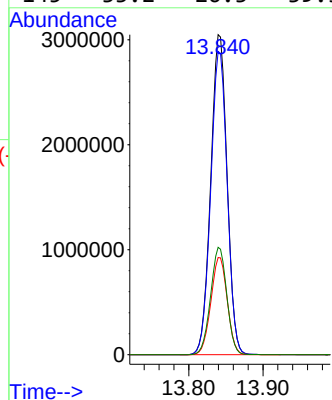


#69
 1,3,5-Trichlorobenzene
 Concen: 296.741 ug/L
 RT: 13.840 min Scan# 3903
 Delta R.T. 0.621 min
 Lab File: VU055168.D
 Acq: 07 Sep 2023 02:59

Instrument :
 MSVOA_U
 ClientSampleId :

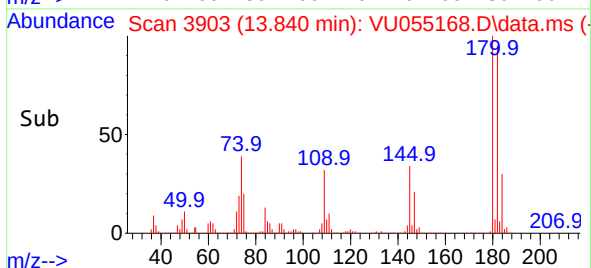
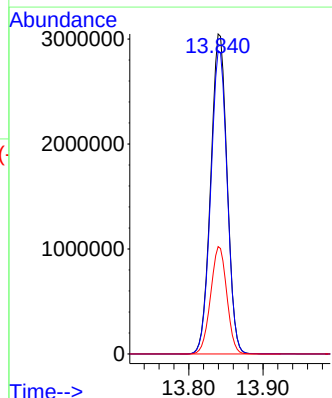
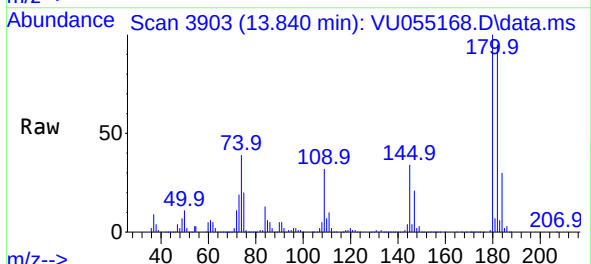


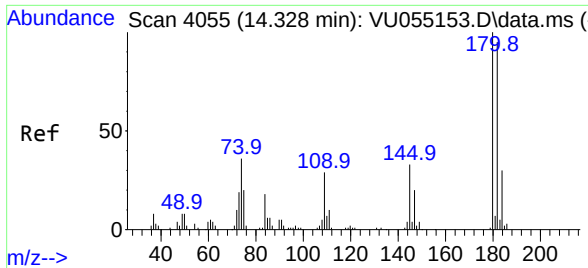
Tgt Ion:180 Resp: 4654364
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.8 113.6
 184 30.5 24.0 36.0
 145 33.2 26.3 39.5



#70
 1,2,4-trichlorobenzene
 Concen: 316.459 ug/L
 RT: 13.840 min Scan# 3903
 Delta R.T. 0.000 min
 Lab File: VU055168.D
 Acq: 07 Sep 2023 02:59

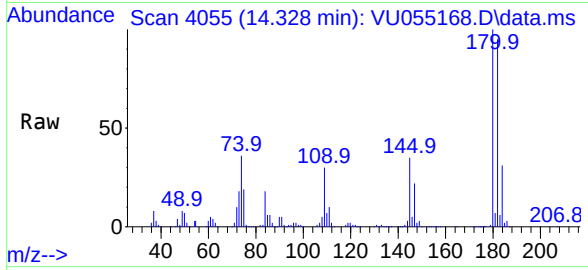
Tgt Ion:180 Resp: 4654364
 Ion Ratio Lower Upper
 180 100
 182 95.5 73.6 110.4
 145 33.2 25.8 38.8





#72
1,2,3-Trichlorobenzene
Concen: 97.110 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. -0.003 min
Lab File: VU055168.D
Acq: 07 Sep 2023 02:59

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:180 Resp: 1239689
Ion Ratio Lower Upper
180 100
182 96.1 75.6 113.4
145 34.8 27.0 40.6

