

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055211.D
 Acq On : 08 Sep 2023 01:44
 Operator : MD/SY
 Sample : 04307-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 08 06:38:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 08 06:18:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	171945	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	179897	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	88121	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	25951	3.220	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.400%
7) Chloroethane-d5	1.911	69	36250	3.886	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.800%
11) 1,1-Dichloroethene-d2	2.563	65	17309	3.770	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.400%
20) 2-Butanone-d5	4.631	46	135699	58.026	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.060%
24) Chloroform-d	5.062	84	100064	4.679	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.701	65	52709	4.927	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	5.727	84	190384	4.287	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
36) 1,2-Dichloropropane-d6	6.688	67	65438	4.633	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.600%
41) Toluene-d8	7.897	98	161165	3.940	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
43) trans-1,3-Dichloroprop...	8.180	79	14244	3.662	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.200%
46) 2-Hexanone-d5	8.634	63	70232	44.477	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.960%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	50716	5.106	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	60583	4.710	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	7803	0.767	ug/L	92
5) Vinyl chloride	1.602	62	3235	0.301	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	2032	0.224	ug/L #	71
17) Methyl tert-butyl Ether	3.357	73	7570	0.363	ug/L #	93
18) trans-1,2-Dichloroethene	3.354	96	6068	0.752	ug/L	92
19) 1,1-Dichloroethane	3.869	63	7695	0.441	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	287558	29.127	ug/L	96
25) Chloroform	5.087	83	9712	0.535	ug/L	99
34) Trichloroethene	6.541	95	138103	12.979	ug/L	95
35) Methylcyclohexane	6.688	83	14513	0.972	ug/L #	19
37) 1,2-Dichloropropane	6.688	63	7344	0.705	ug/L #	88
45) 1,1,2-Trichloroethane	8.399	97	1053	0.150	ug/L	91
47) Tetrachloroethene	8.553	164	37946	5.160	ug/L	95
48) 2-Hexanone	8.685	43	25970	5.576	ug/L #	83
49) Dibromochloromethane	8.550	129	38228	4.988	ug/L #	9
64) 1,3-Dichlorobenzene	11.749	146	1963	0.100	ug/L	93
65) 1,4-Dichlorobenzene	11.836	146	3950	0.201	ug/L	95
69) 1,3,5-Trichlorobenzene	13.839	180	43844	2.941	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	43844	3.137	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 08 06:18:43 2023
Response via : Initial Calibration

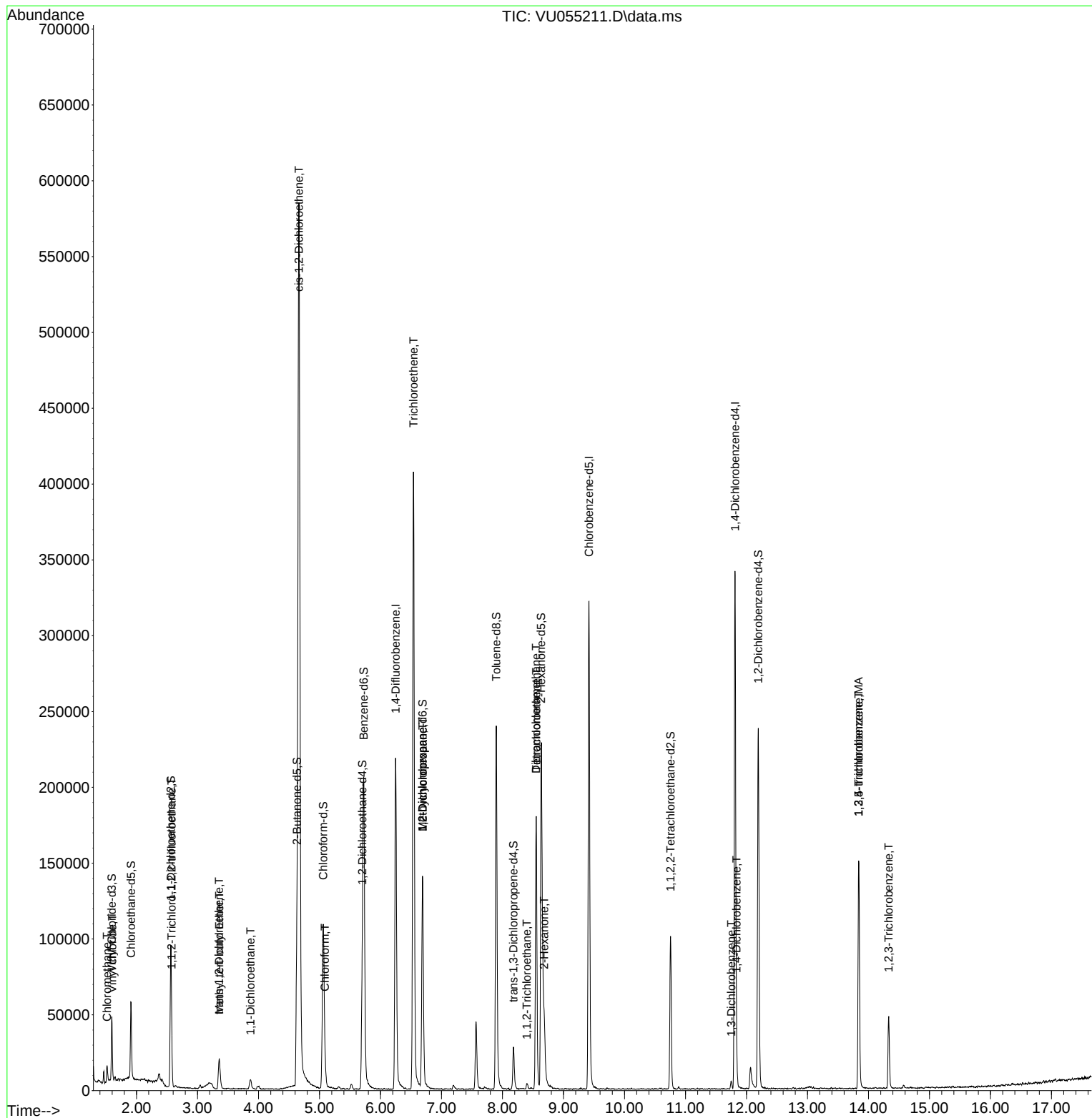
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.331	180	13847	1.141	ug/L	98

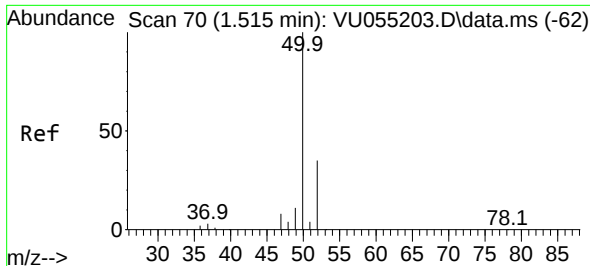
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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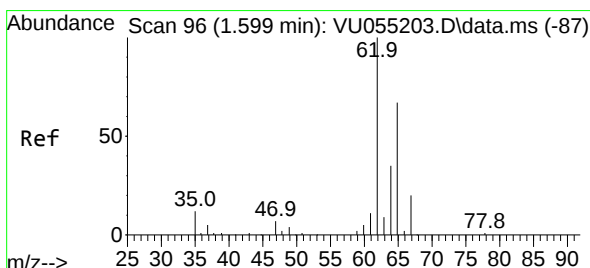
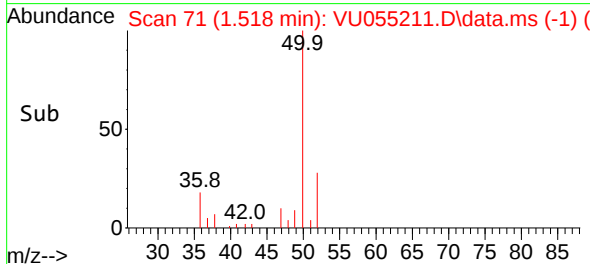
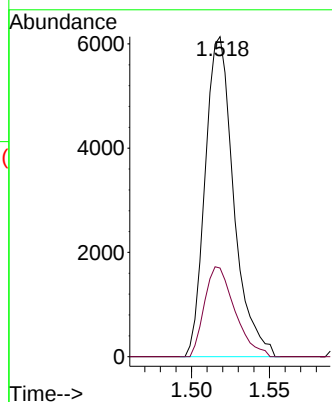
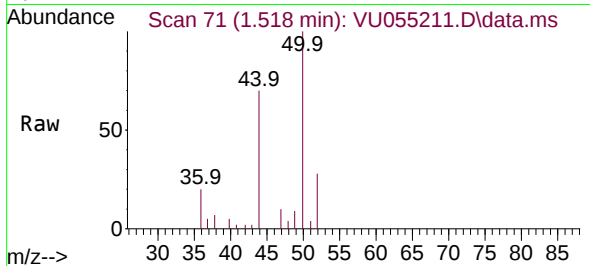




#3
Chloromethane
Concen: 0.767 ug/L
RT: 1.518 min Scan# 70
Delta R.T. 0.003 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

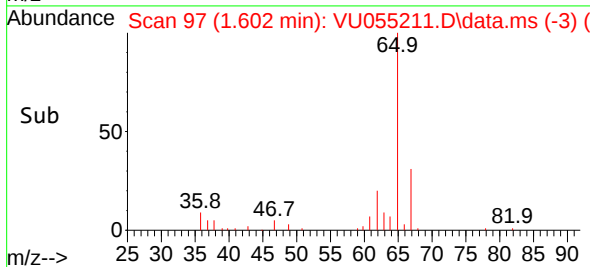
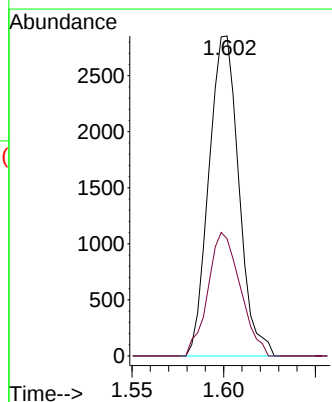
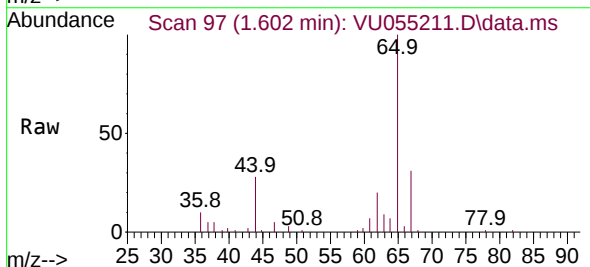
Instrument :
MSVOA_U
ClientSampleId :

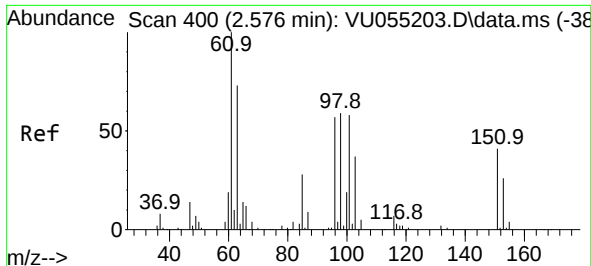
Tgt Ion: 50 Resp: 7803
Ion Ratio Lower Upper
50 100
52 27.7 22.5 41.7



#5
Vinyl chloride
Concen: 0.301 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.003 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

Tgt Ion: 62 Resp: 3235
Ion Ratio Lower Upper
62 100
64 36.6 24.2 45.0

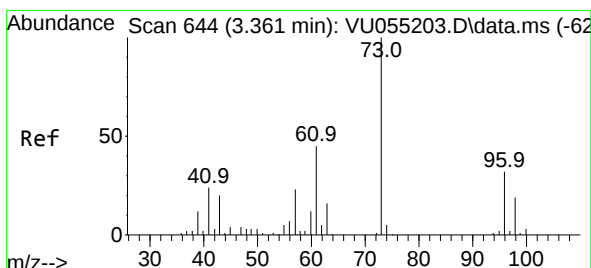
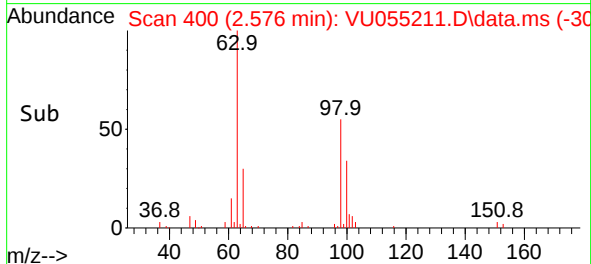
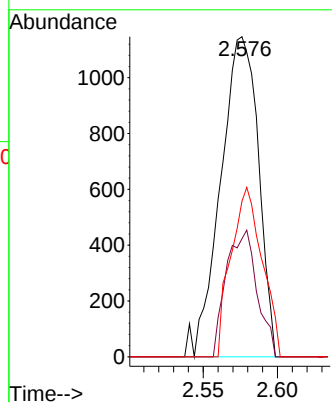
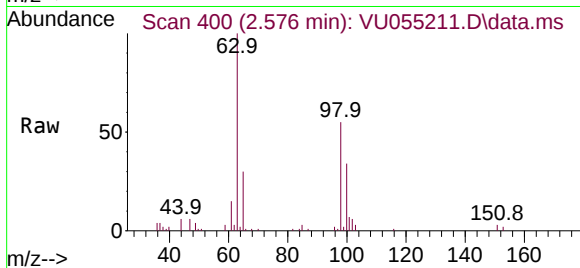




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.224 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

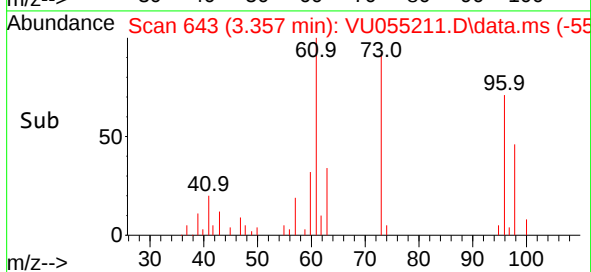
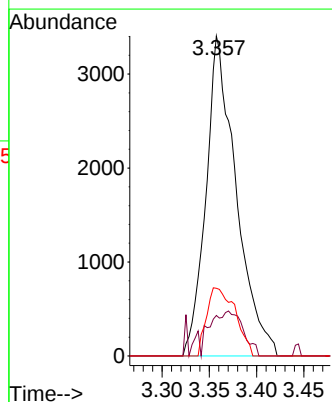
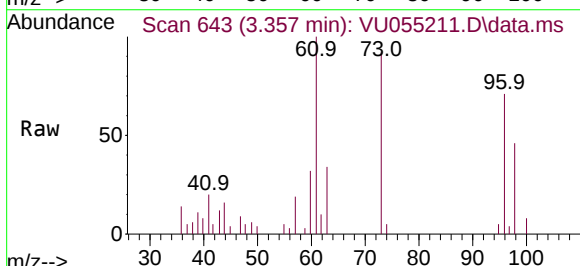
Instrument :
MSVOA_U
ClientSampleId :

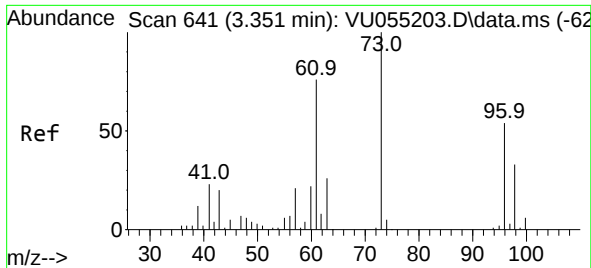
Tgt Ion:101 Resp: 2032
Ion Ratio Lower Upper
101 100
85 32.1 37.3 55.9#
151 43.6 57.6 86.4#



#17
Methyl tert-butyl Ether
Concen: 0.363 ug/L
RT: 3.357 min Scan# 643
Delta R.T. -0.003 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

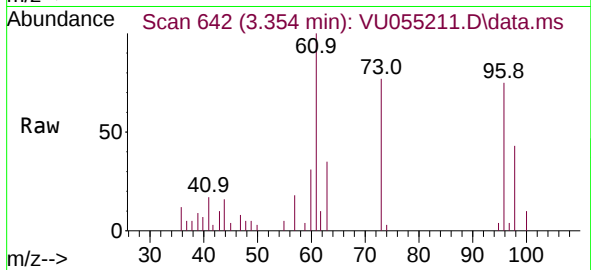
Tgt Ion: 73 Resp: 7570
Ion Ratio Lower Upper
73 100
43 15.3 16.2 24.2#
57 20.1 17.4 26.2



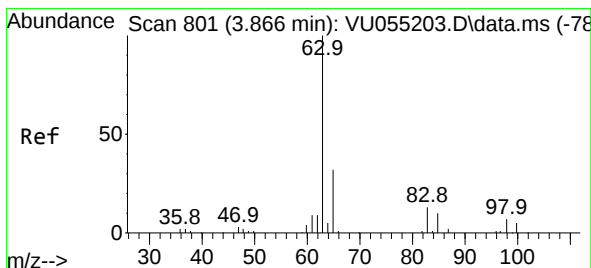
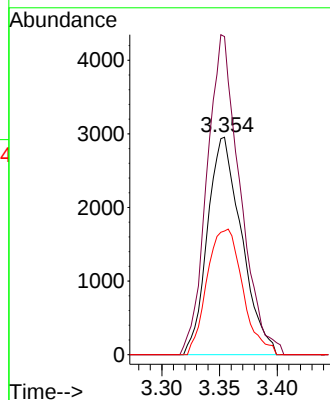
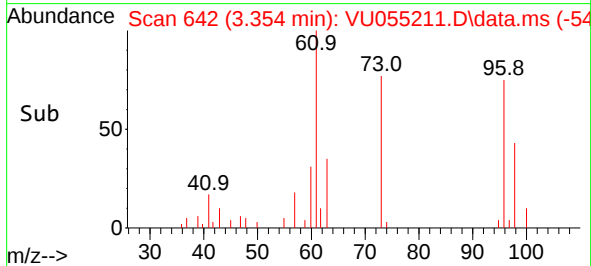


#18
trans-1,2-Dichloroethene
Concen: 0.752 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

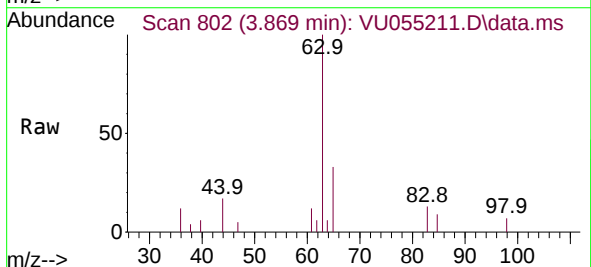
Instrument :
MSVOA_U
ClientSampleId :



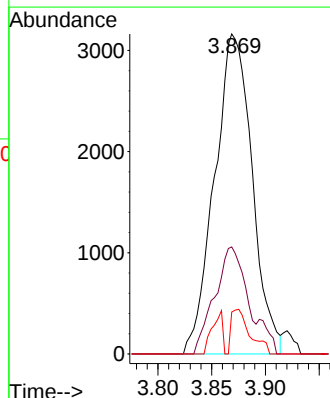
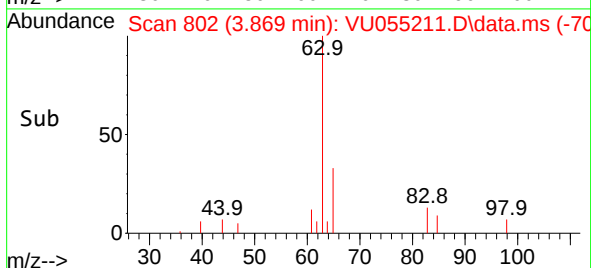
Tgt Ion: 96 Resp: 6068
Ion Ratio Lower Upper
96 100
61 146.2 108.1 200.9
98 56.9 45.4 84.4

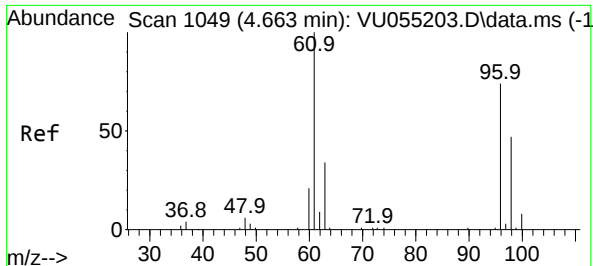


#19
1,1-Dichloroethane
Concen: 0.441 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.003 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44



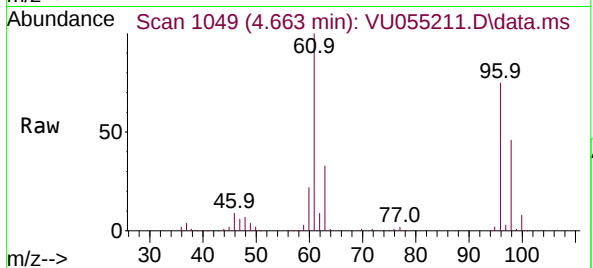
Tgt Ion: 63 Resp: 7695
Ion Ratio Lower Upper
63 100
65 31.5 22.2 41.2
83 12.3 10.6 19.8





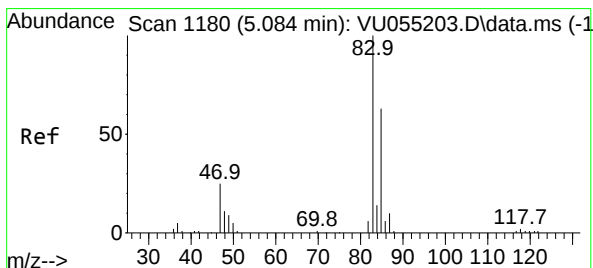
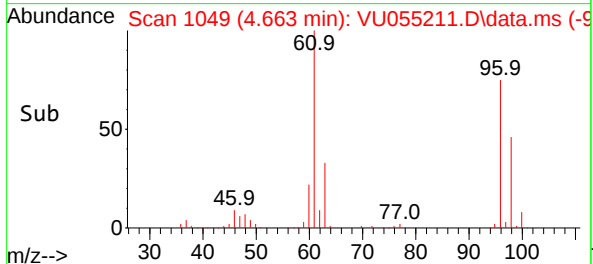
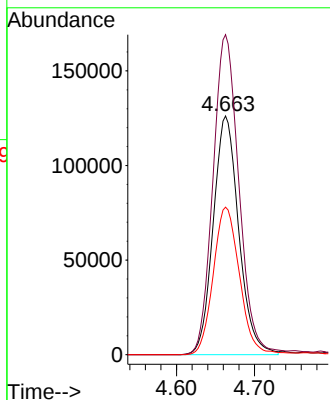
#22
 cis-1,2-Dichloroethene
 Concen: 29.127 ug/L
 RT: 4.663 min Scan# 1180
 Delta R.T. -0.000 min
 Lab File: VU055211.D
 Acq: 08 Sep 2023 01:44

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 287558

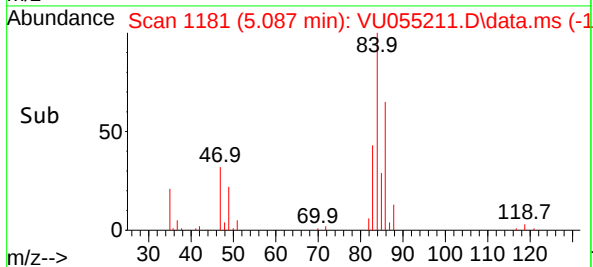
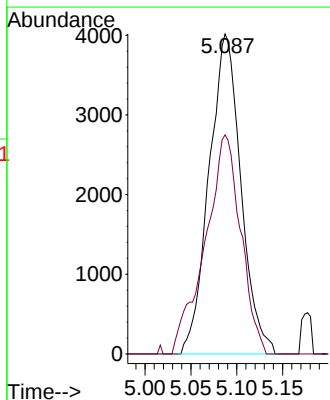
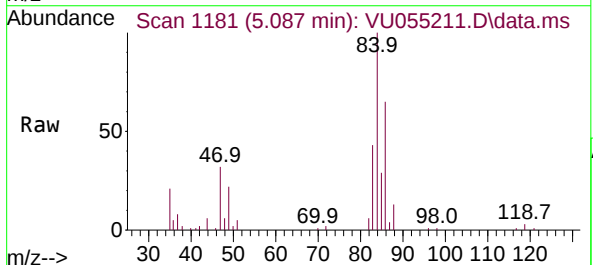
Ion	Ratio	Lower	Upper
96	100		
61	134.1	97.2	180.4
98	61.8	46.1	85.7

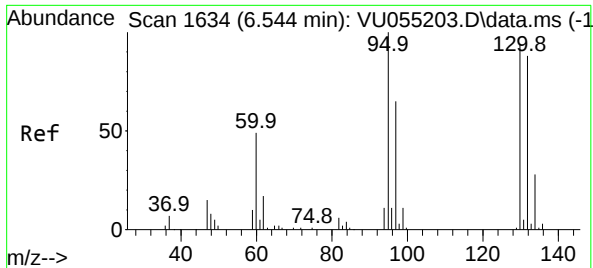


#25
 Chloroform
 Concen: 0.535 ug/L
 RT: 5.087 min Scan# 1181
 Delta R.T. 0.003 min
 Lab File: VU055211.D
 Acq: 08 Sep 2023 01:44

Tgt Ion: 83 Resp: 9712

Ion	Ratio	Lower	Upper
83	100		
85	68.4	47.2	87.6

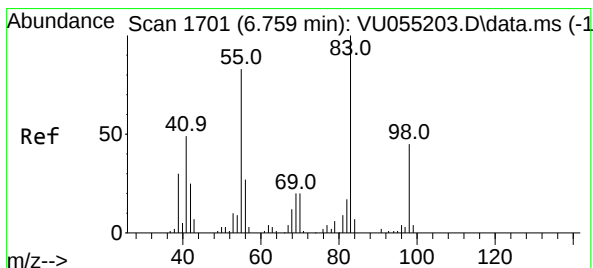
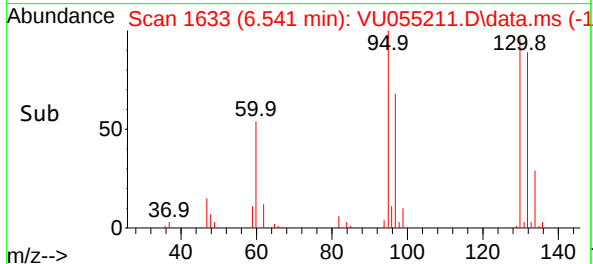
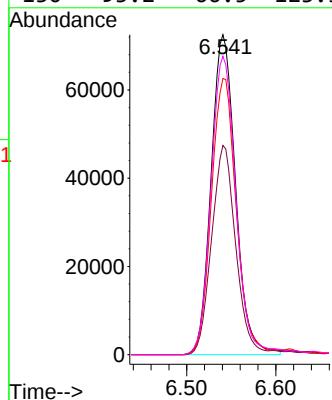
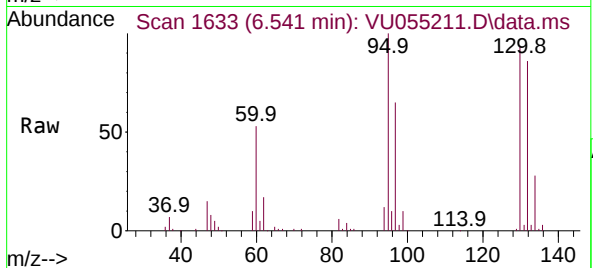




#34
Trichloroethene
Concen: 12.979 ug/L
RT: 6.541 min Scan# 1634
Delta R.T. -0.003 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

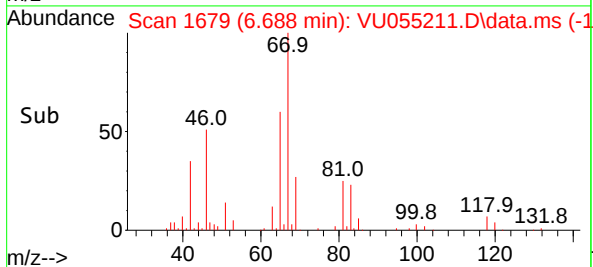
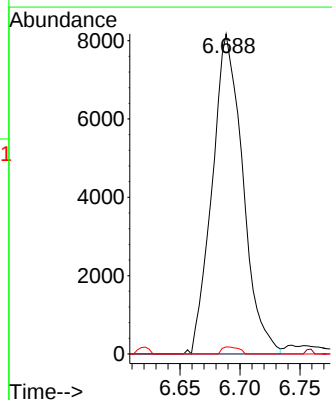
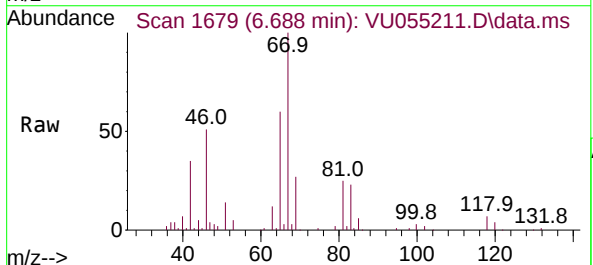
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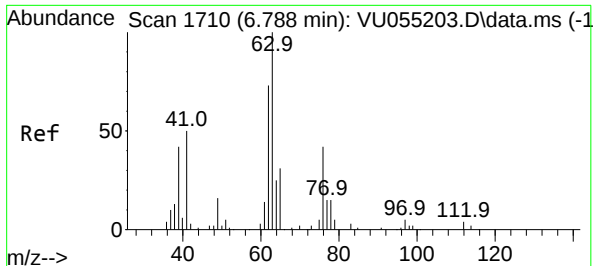
Tgt Ion: 95 Resp: 138103
Ion Ratio Lower Upper
95 100
97 65.4 44.7 83.1
132 86.3 66.6 123.6
130 93.2 66.5 123.5



#35
Methylcyclohexane
Concen: 0.972 ug/L
RT: 6.688 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

Tgt Ion: 83 Resp: 14513
Ion Ratio Lower Upper
83 100
55 0.3 60.4 90.6#
98 0.0 35.3 52.9#

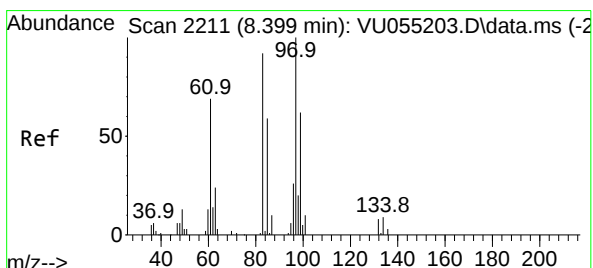
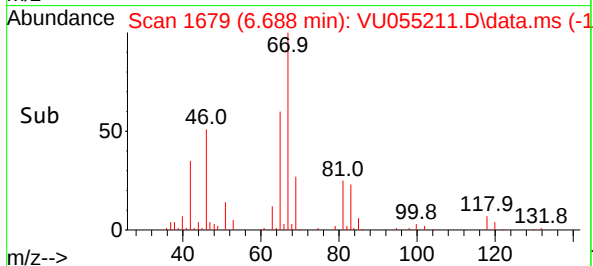
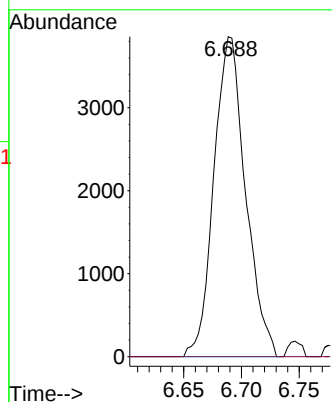
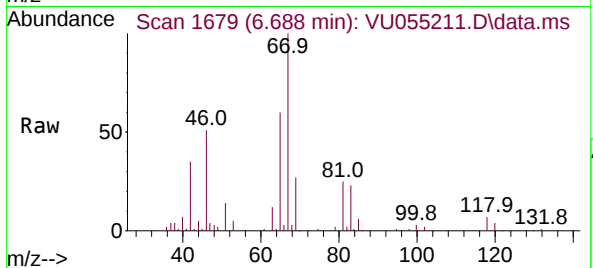




#37
1,2-Dichloropropane
Concen: 0.705 ug/L
RT: 6.688 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

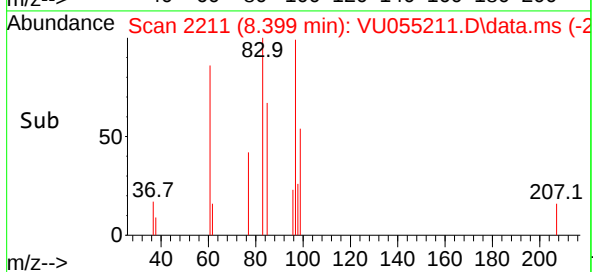
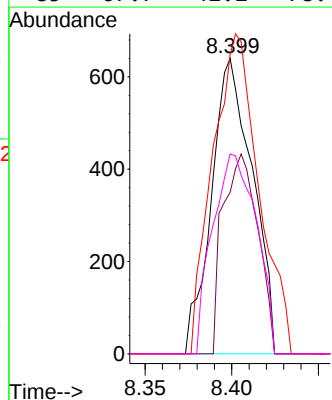
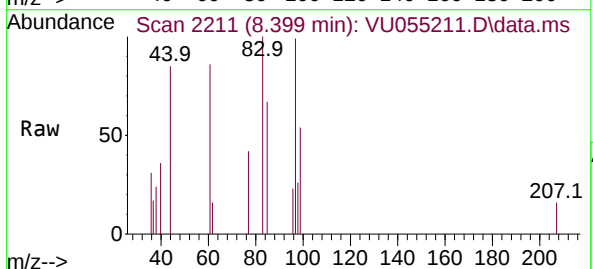
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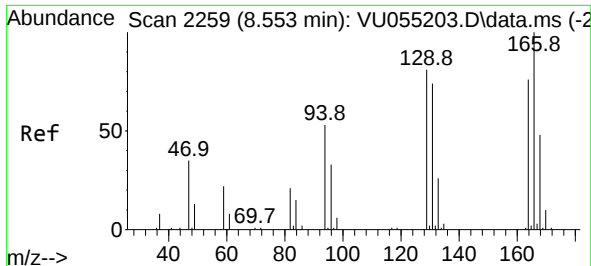
Tgt Ion: 63 Resp: 7344
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#45
1,1,2-Trichloroethane
Concen: 0.150 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. -0.000 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

Tgt Ion: 97 Resp: 1053
Ion Ratio Lower Upper
97 100
99 54.7 44.9 83.5
83 101.4 66.9 124.3
85 67.7 42.2 78.4





#47

Tetrachloroethene

Concen: 5.160 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.000 min

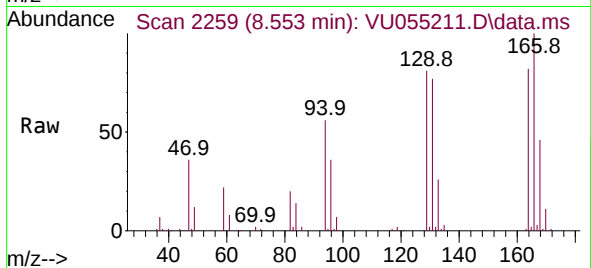
Lab File: VU055211.D

Acq: 08 Sep 2023 01:44

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 37946

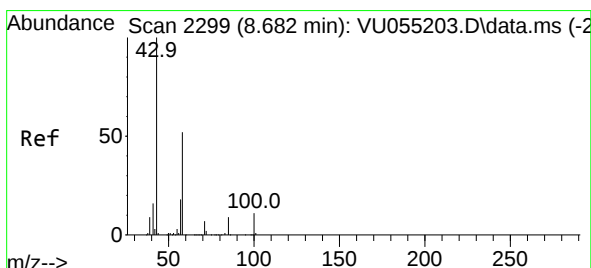
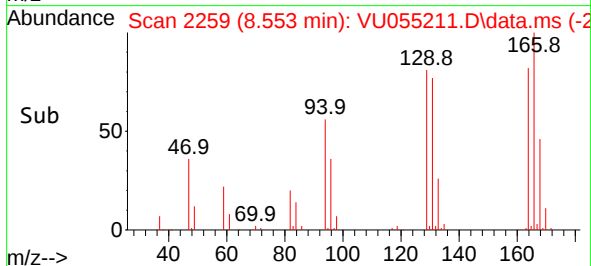
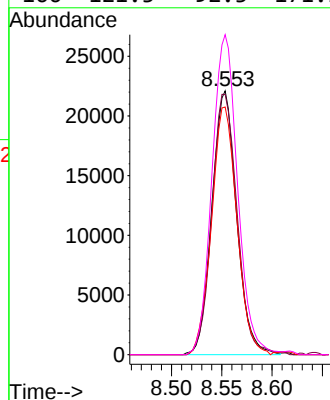
Ion Ratio Lower Upper

164 100

129 98.7 69.2 128.6

131 93.9 68.8 127.8

166 121.3 92.3 171.5



#48

2-Hexanone

Concen: 5.576 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU055211.D

Acq: 08 Sep 2023 01:44

Tgt Ion: 43 Resp: 25970

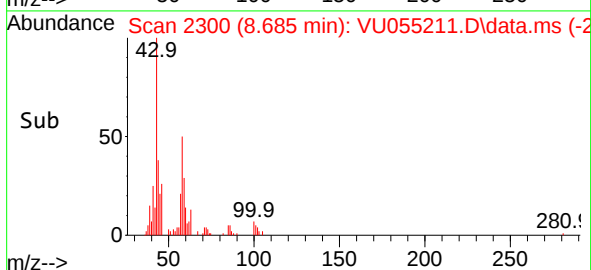
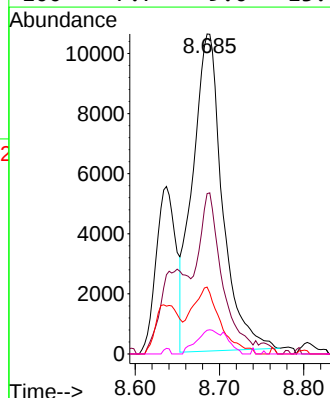
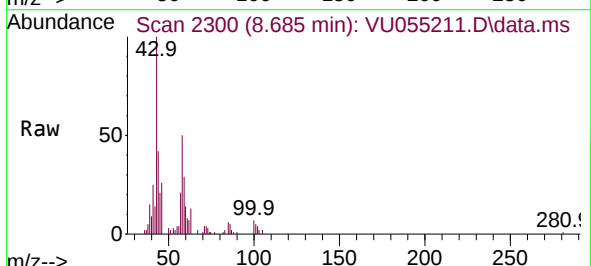
Ion Ratio Lower Upper

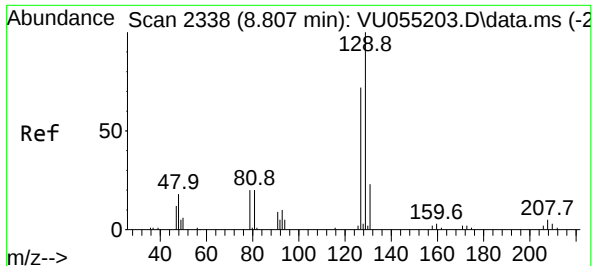
43 100

58 37.5 44.0 66.0#

57 20.5 16.2 24.2

100 7.7 9.0 13.4#





#49

Dibromochloromethane

Concen: 4.988 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU055211.D

Acq: 08 Sep 2023 01:44

Instrument :

MSVOA_U

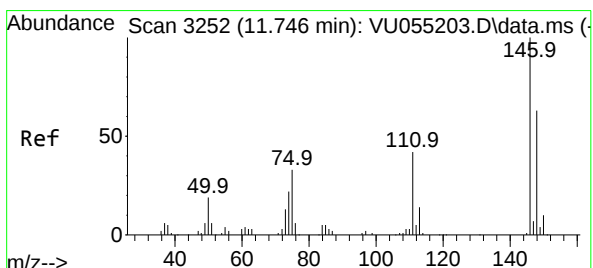
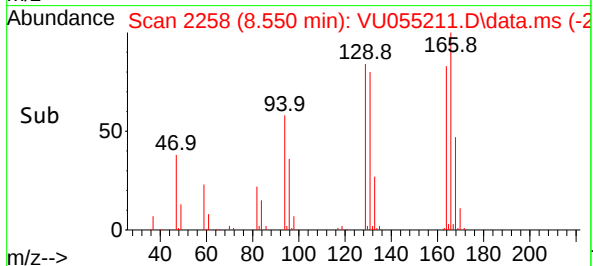
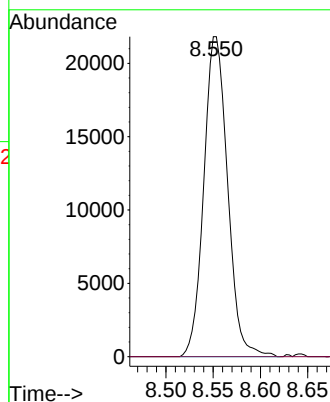
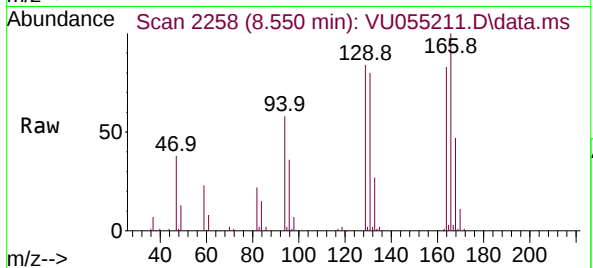
ClientSampleId :

Tgt Ion:129 Resp: 38228

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#64

1,3-Dichlorobenzene

Concen: 0.100 ug/L

RT: 11.749 min Scan# 3253

Delta R.T. 0.003 min

Lab File: VU055211.D

Acq: 08 Sep 2023 01:44

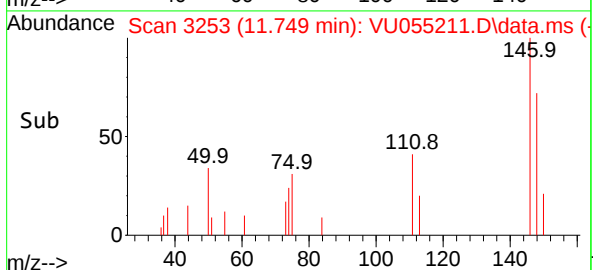
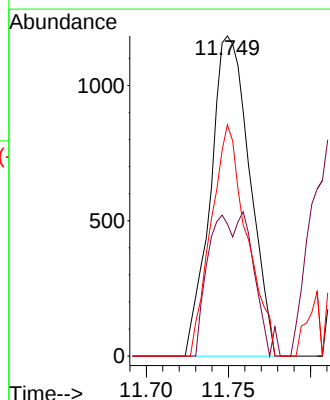
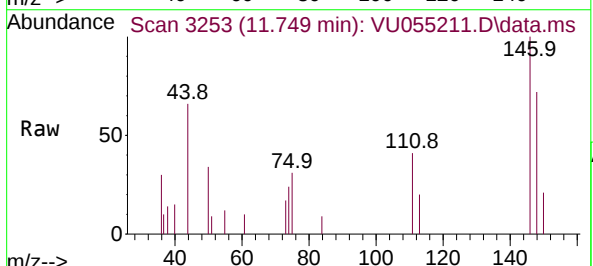
Tgt Ion:146 Resp: 1963

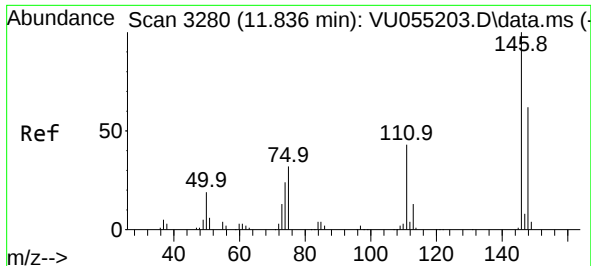
Ion Ratio Lower Upper

146 100

111 41.3 30.0 55.6

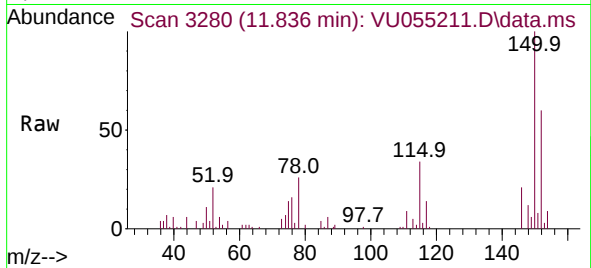
148 72.3 45.2 84.0



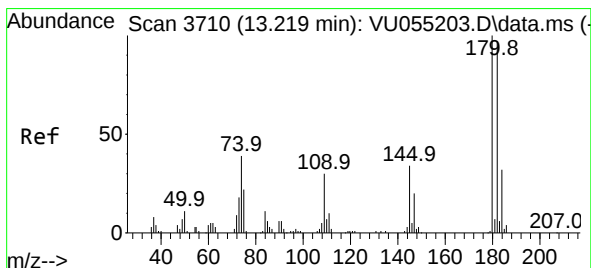
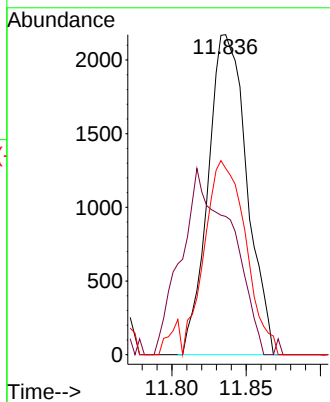
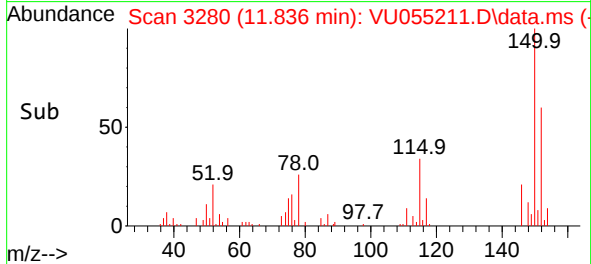


#65
1,4-Dichlorobenzene
Concen: 0.201 ug/L
RT: 11.836 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

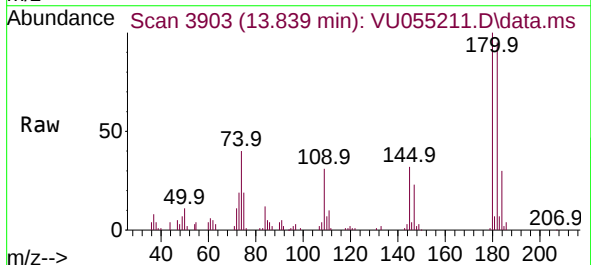
Instrument :
MSVOA_U
ClientSampleId :



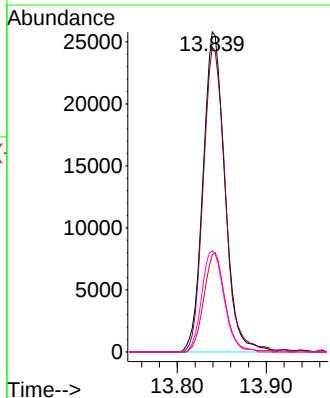
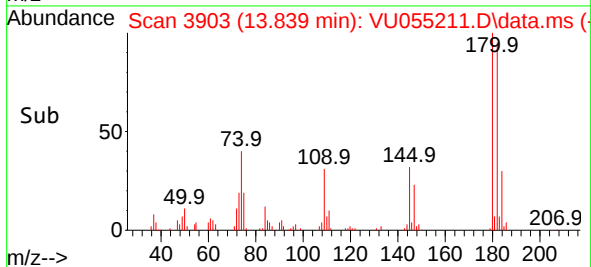
Tgt Ion:146 Resp: 3950
Ion Ratio Lower Upper
146 100
111 43.2 28.1 52.1
148 58.2 43.8 81.3

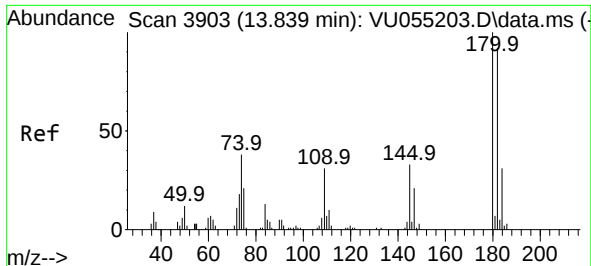


#69
1,3,5-Trichlorobenzene
Concen: 2.941 ug/L
RT: 13.839 min Scan# 3903
Delta R.T. 0.620 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44



Tgt Ion:180 Resp: 43844
Ion Ratio Lower Upper
180 100
182 96.0 75.8 113.6
184 30.1 24.0 36.0
145 32.3 26.3 39.5

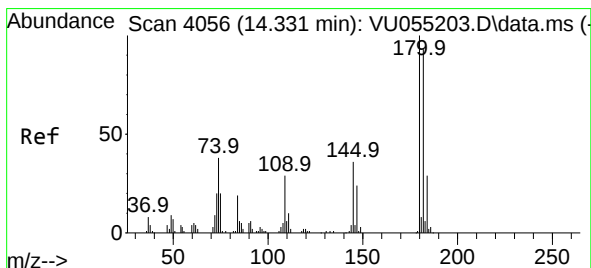
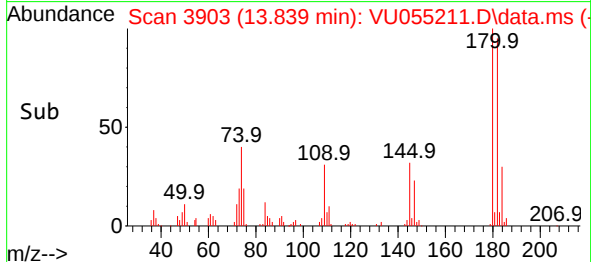
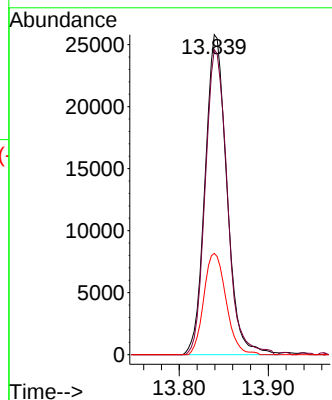
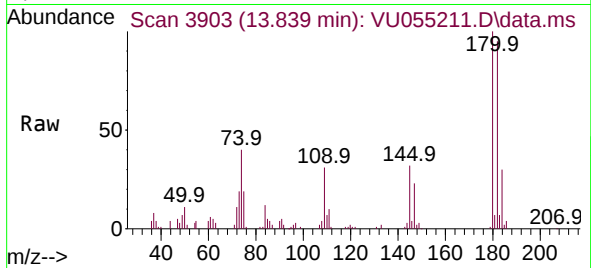




#70
1,2,4-trichlorobenzene
Concen: 3.137 ug/L
RT: 13.839 min Scan# 3903
Delta R.T. -0.000 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:180 Resp: 43844
Ion Ratio Lower Upper
180 100
182 96.0 73.6 110.4
145 32.3 25.8 38.8



#72
1,2,3-Trichlorobenzene
Concen: 1.141 ug/L
RT: 14.331 min Scan# 4056
Delta R.T. -0.000 min
Lab File: VU055211.D
Acq: 08 Sep 2023 01:44

Tgt Ion:180 Resp: 13847
Ion Ratio Lower Upper
180 100
182 96.7 75.6 113.4
145 34.8 27.0 40.6

