

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055208.D
 Acq On : 08 Sep 2023 00:32
 Operator : MD/SY
 Sample : 04306-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 08 06:38:02 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	181060	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	183973	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	93256	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	25396	2.993	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.800%
7) Chloroethane-d5	1.908	69	36604	3.726	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.600%
11) 1,1-Dichloroethene-d2	2.560	65	17434	3.606	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.200%
20) 2-Butanone-d5	4.631	46	135766	55.132	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.260%
24) Chloroform-d	5.062	84	99267	4.408	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
26) 1,2-Dichloroethane-d4	5.702	65	51715	4.590	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
32) Benzene-d6	5.724	84	182591	4.021	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.400%
36) 1,2-Dichloropropane-d6	6.689	67	63980	4.430	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.600%
41) Toluene-d8	7.898	98	162630	3.888	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.800%
43) trans-1,3-Dichloroprop...	8.181	79	16300	4.098	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.000%
46) 2-Hexanone-d5	8.634	63	71287	44.145	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.280%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	49449	4.868	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	58392	4.290	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	5096	0.476	ug/L	92
5) Vinyl chloride	1.599	62	13689	1.211	ug/L	99
12) 1,1-Dichloroethene	2.570	96	1903	0.227	ug/L	# 1
18) trans-1,2-Dichloroethene	3.354	96	10562	1.244	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	1388264	133.538	ug/L	97
31) Carbon tetrachloride	5.525	117	2224	0.168	ug/L	99
34) Trichloroethene	6.541	95	633040	58.174	ug/L	97
35) Methylcyclohexane	6.689	83	14171	0.928	ug/L	# 25
37) 1,2-Dichloropropane	6.689	63	7773	0.729	ug/L	# 88
47) Tetrachloroethene	8.557	164	10198	1.356	ug/L	90
48) 2-Hexanone	8.685	43	24409	5.125	ug/L	# 87
49) Dibromochloromethane	8.554	129	10492	1.339	ug/L	# 9
61) 1,2,3-Trichloropropane	11.746	75	5259	0.850	ug/L	# 46
64) 1,3-Dichlorobenzene	11.750	146	15260	0.731	ug/L	98
65) 1,4-Dichlorobenzene	11.836	146	33019	1.587	ug/L	98
67) 1,2-Dichlorobenzene	12.213	146	15656	0.800	ug/L	98
69) 1,3,5-Trichlorobenzene	13.836	180	528832	33.521	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	528832	35.749	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	165464	12.887	ug/L	99

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QLast Update : Fri Sep 08 06:18:43 2023
Response via : Initial Calibration

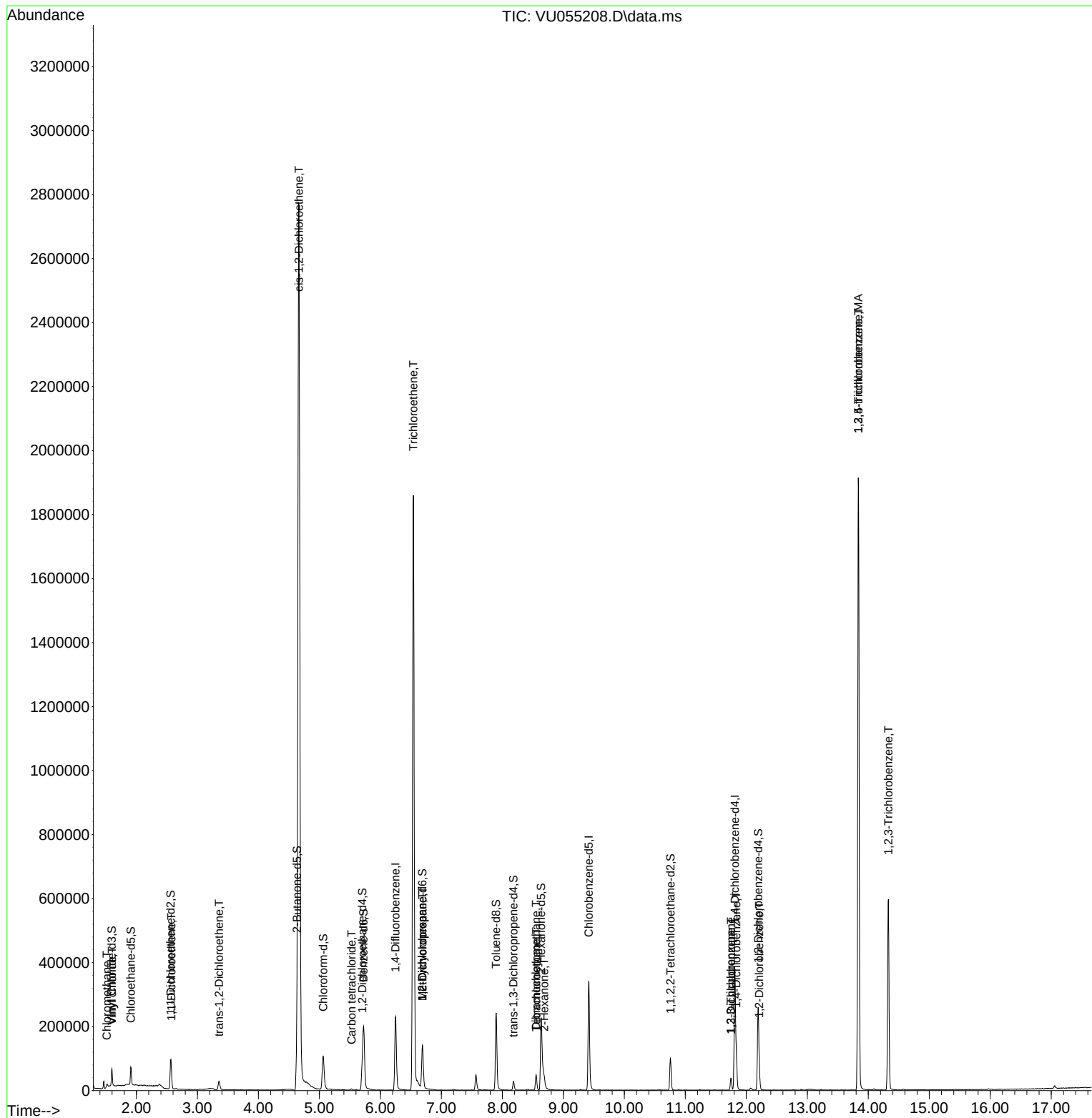
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

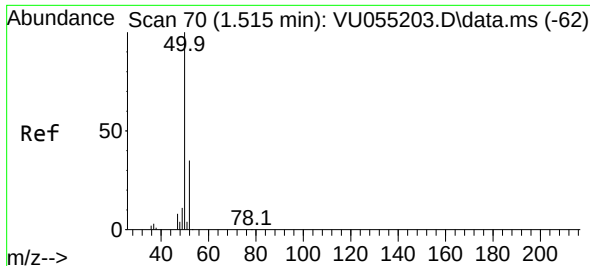
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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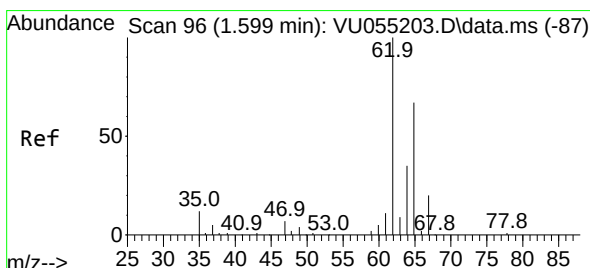
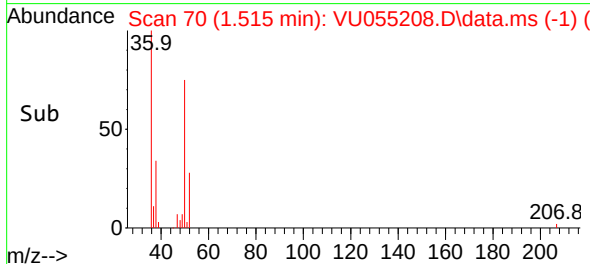
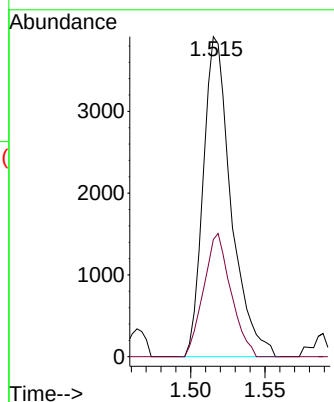
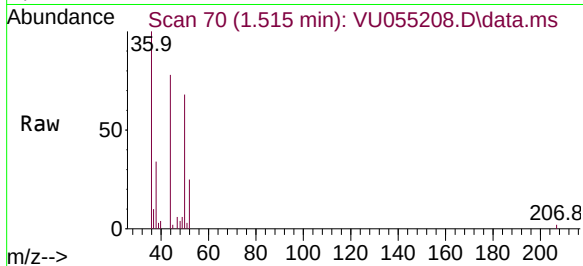




#3
Chloromethane
Concen: 0.476 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

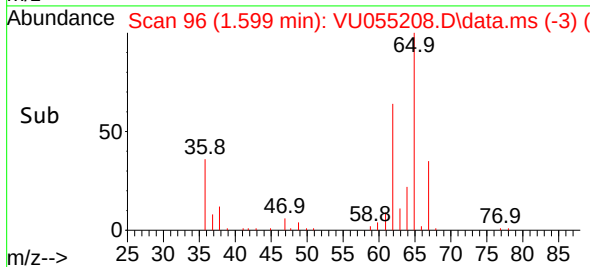
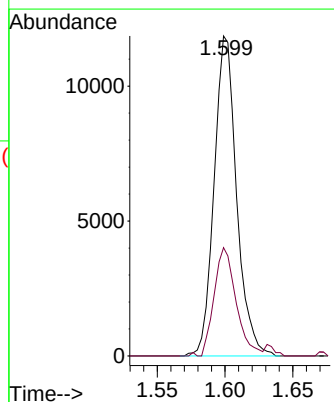
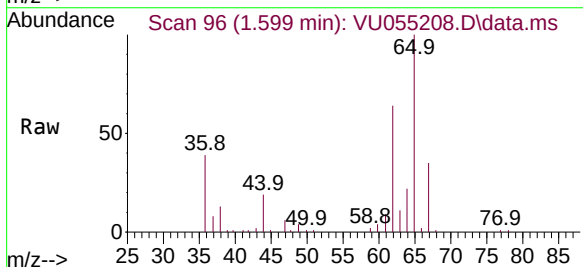
Instrument :
MSVOA_U
ClientSampleId :

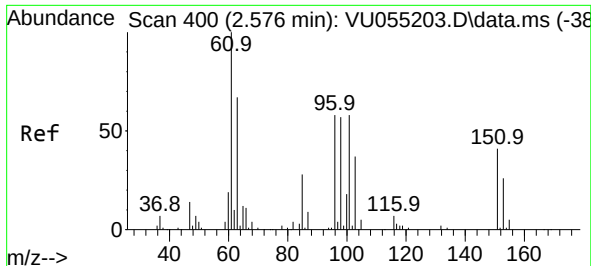
Tgt Ion: 50 Resp: 5096
Ion Ratio Lower Upper
50 100
52 36.6 22.5 41.7



#5
Vinyl chloride
Concen: 1.211 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

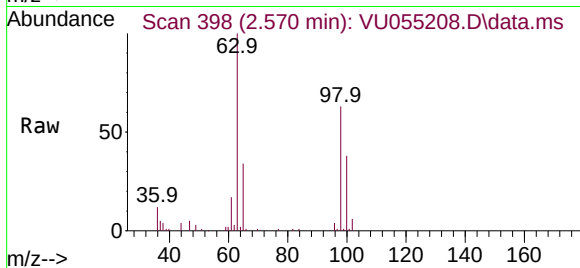
Tgt Ion: 62 Resp: 13689
Ion Ratio Lower Upper
62 100
64 33.9 24.2 45.0



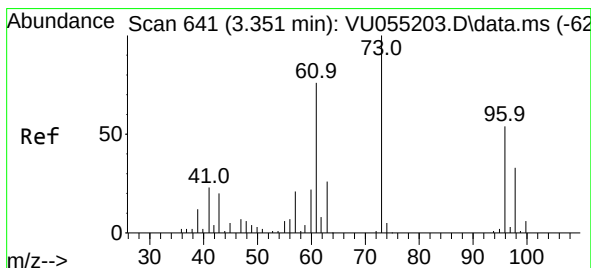
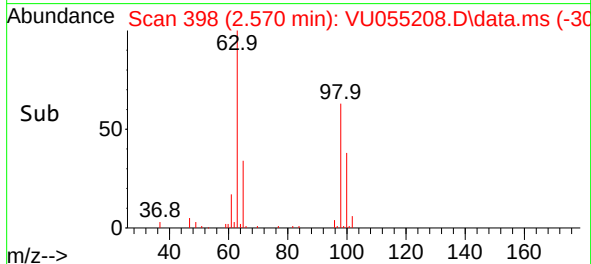
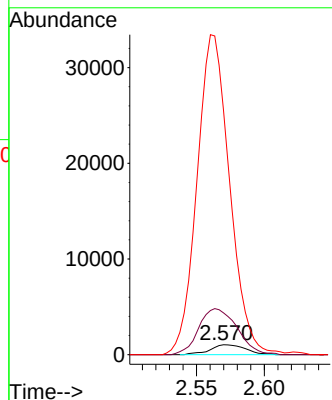


#12
1,1-Dichloroethene
Concen: 0.227 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.006 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

Instrument :
MSVOA_U
ClientSampleId :

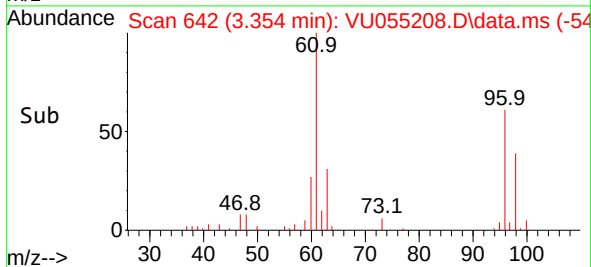
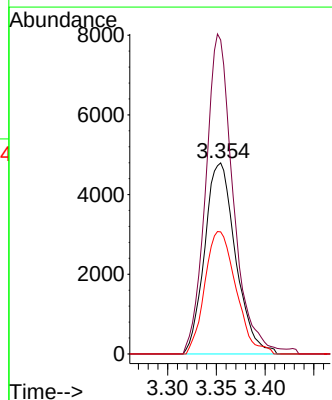
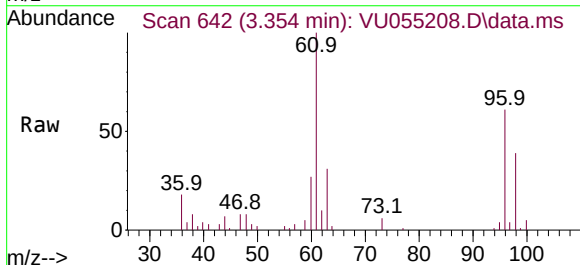


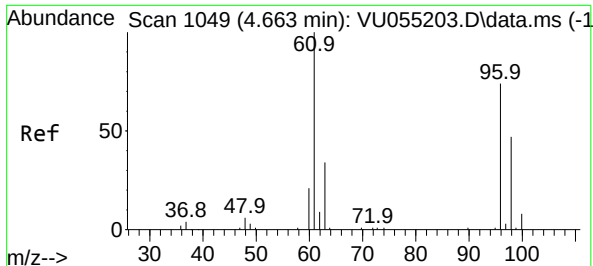
Tgt Ion: 96 Resp: 1903
Ion Ratio Lower Upper
96 100
61 343.0 120.8 224.4#
63 2000.0 94.5 175.5#



#18
trans-1,2-Dichloroethene
Concen: 1.244 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

Tgt Ion: 96 Resp: 10562
Ion Ratio Lower Upper
96 100
61 164.4 108.1 200.9
98 63.9 45.4 84.4

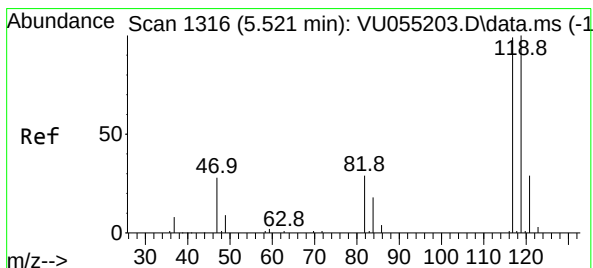
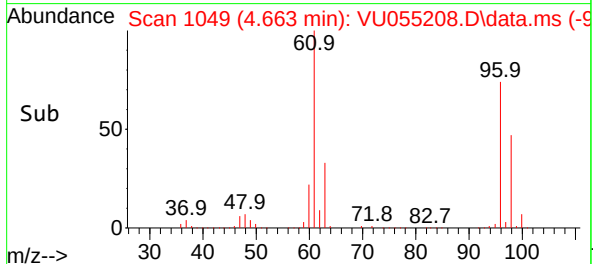
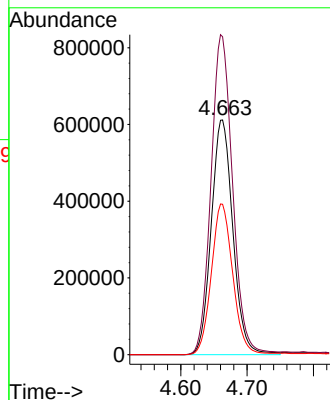
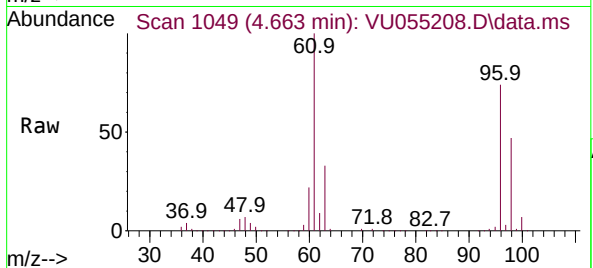




#22
cis-1,2-Dichloroethene
Concen: 133.538 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

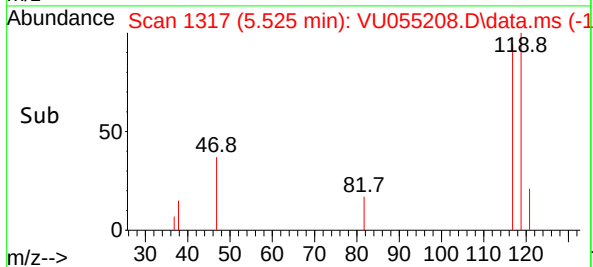
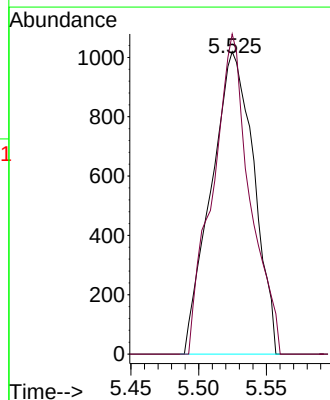
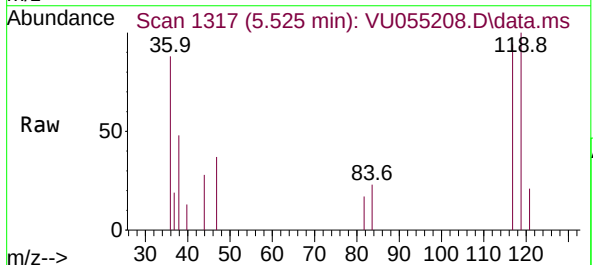
Instrument :
MSVOA_U
ClientSampleId :

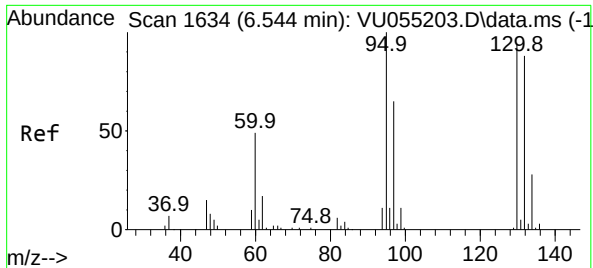
Tgt Ion: 96 Resp: 1388264
Ion Ratio Lower Upper
96 100
61 135.4 97.2 180.4
98 64.0 46.1 85.7



#31
Carbon tetrachloride
Concen: 0.168 ug/L
RT: 5.525 min Scan# 1317
Delta R.T. 0.003 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

Tgt Ion: 117 Resp: 2224
Ion Ratio Lower Upper
117 100
119 93.2 75.4 113.0

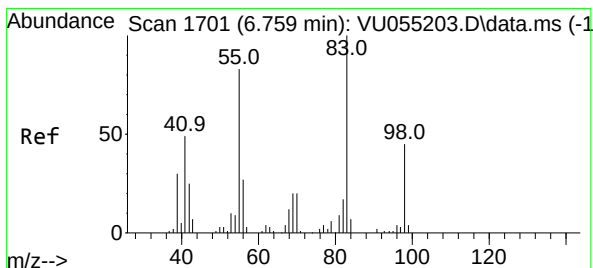
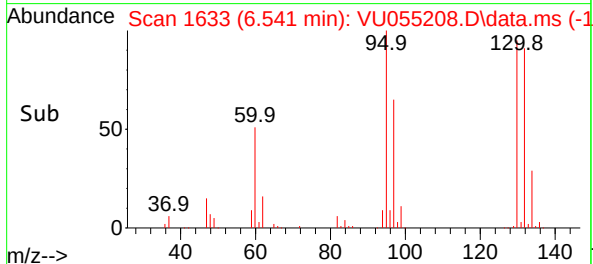
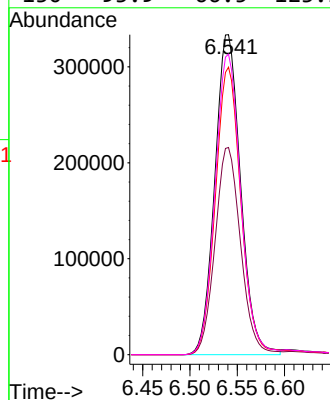
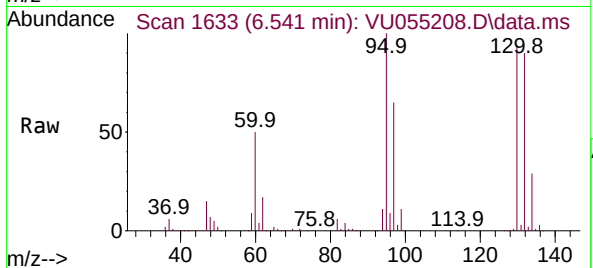




#34
Trichloroethene
Concen: 58.174 ug/L
RT: 6.541 min Scan# 1634
Delta R.T. -0.003 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

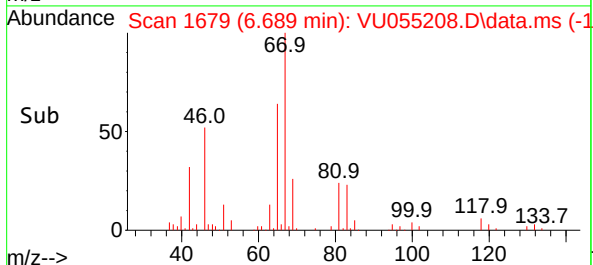
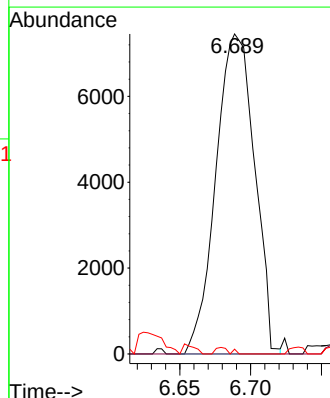
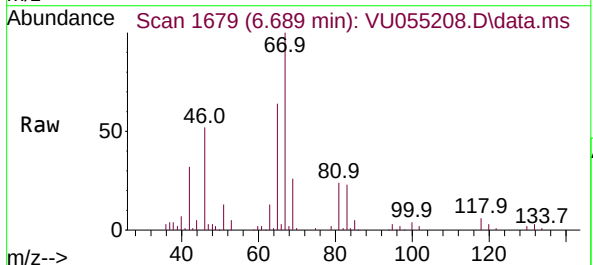
Instrument :
MSVOA_U
ClientSampleId :

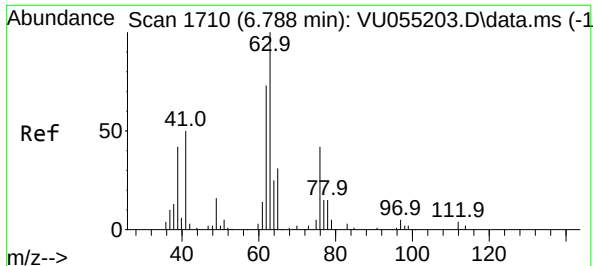
Tgt Ion: 95 Resp: 633040
Ion Ratio Lower Upper
95 100
97 64.8 44.7 83.1
132 89.8 66.6 123.6
130 93.9 66.5 123.5



#35
Methylcyclohexane
Concen: 0.928 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

Tgt Ion: 83 Resp: 14171
Ion Ratio Lower Upper
83 100
55 1.5 60.4 90.6#
98 8.0 35.3 52.9#





#37

1,2-Dichloropropane

Concen: 0.729 ug/L

RT: 6.689 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU055208.D

Acq: 08 Sep 2023 00:32

Instrument :

MSVOA_U

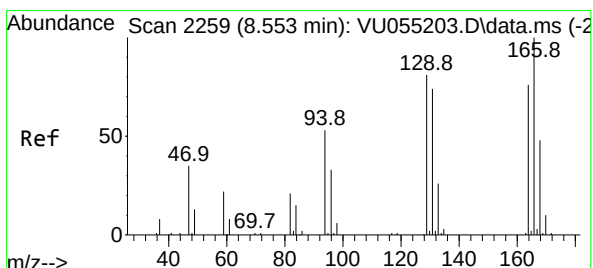
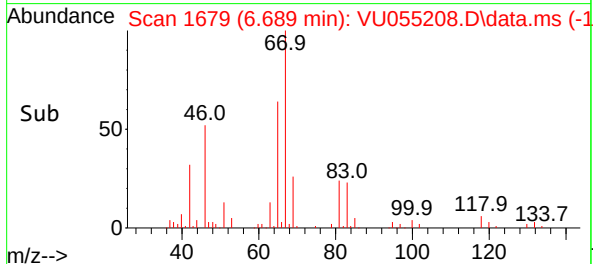
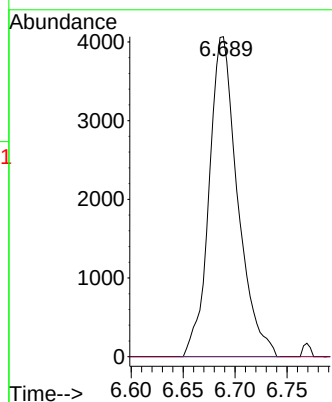
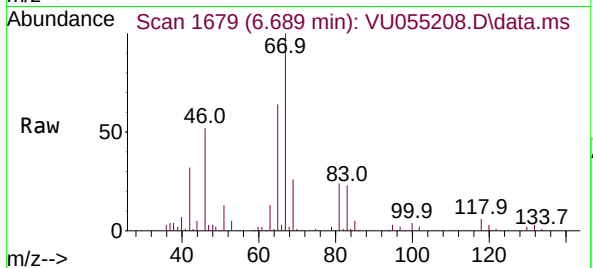
ClientSampleId :

Tgt Ion: 63 Resp: 7773

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#47

Tetrachloroethene

Concen: 1.356 ug/L

RT: 8.557 min Scan# 2260

Delta R.T. 0.003 min

Lab File: VU055208.D

Acq: 08 Sep 2023 00:32

Tgt Ion: 164 Resp: 10198

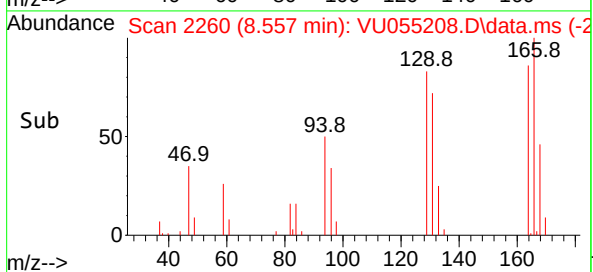
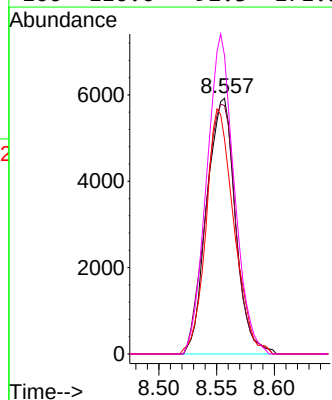
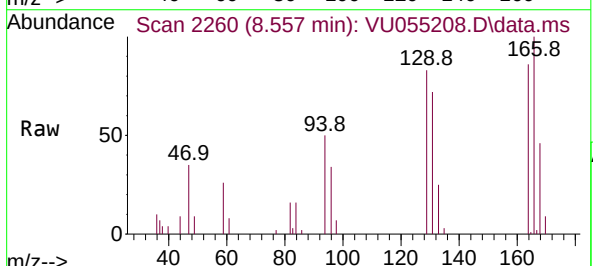
Ion Ratio Lower Upper

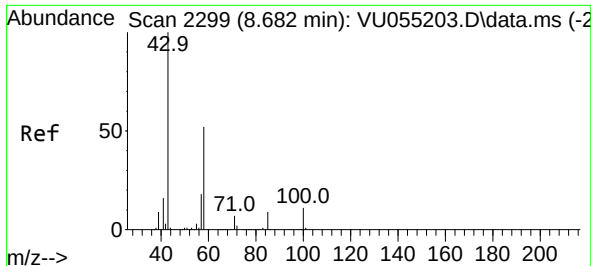
164 100

129 97.1 69.2 128.6

131 84.0 68.8 127.8

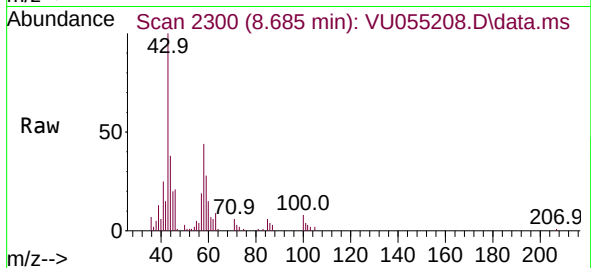
166 116.6 92.3 171.5



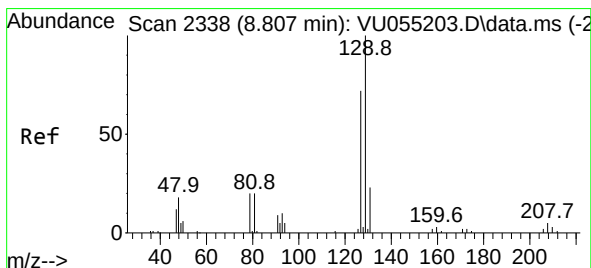
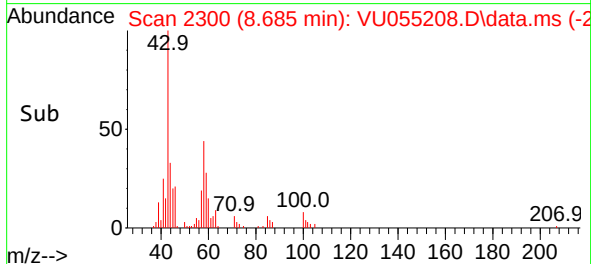
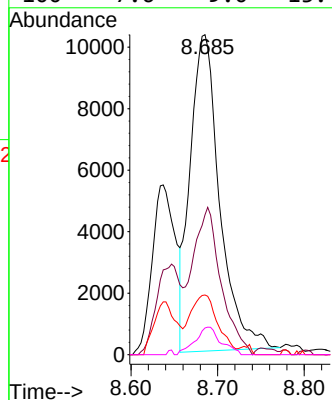


#48
2-Hexanone
Concen: 5.125 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

Instrument :
MSVOA_U
ClientSampleId :

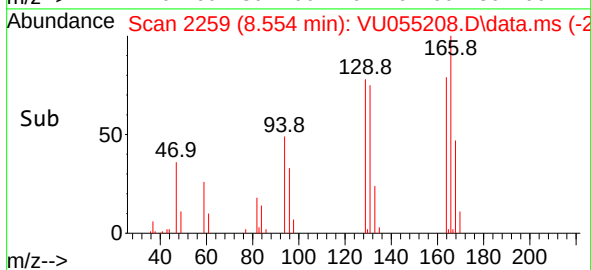
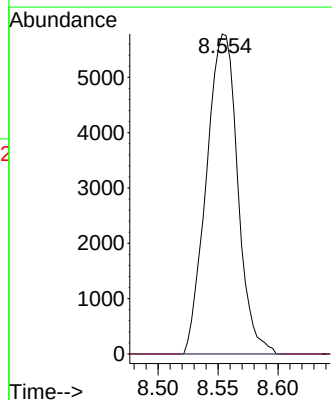
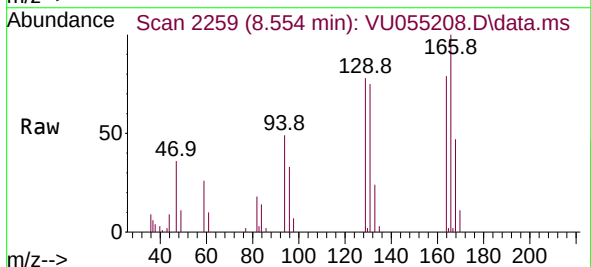


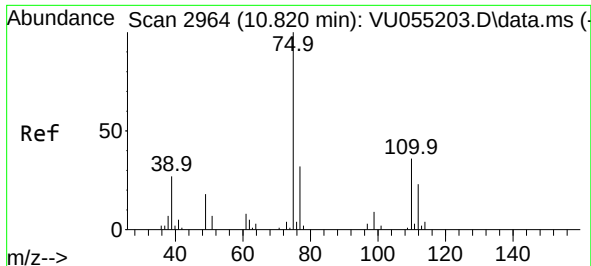
Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.3	44.0	66.0#
57	17.7	16.2	24.2
100	7.6	9.0	13.4#



#49
Dibromochloromethane
Concen: 1.339 ug/L
RT: 8.554 min Scan# 2259
Delta R.T. -0.254 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.9	103.7#

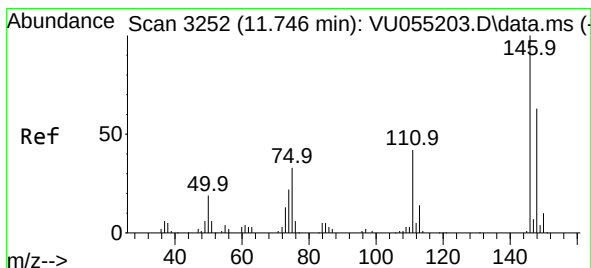
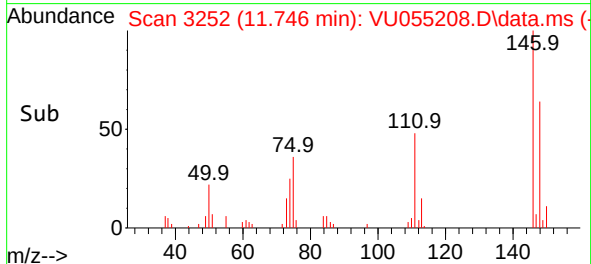
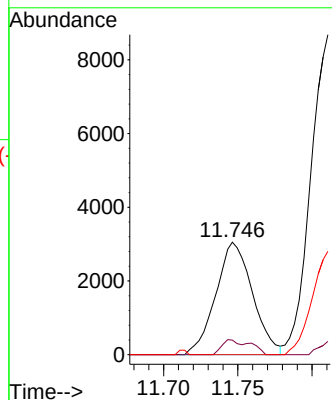
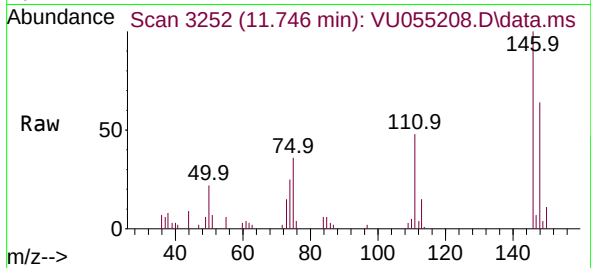




#61
1,2,3-Trichloropropane
Concen: 0.850 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.926 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

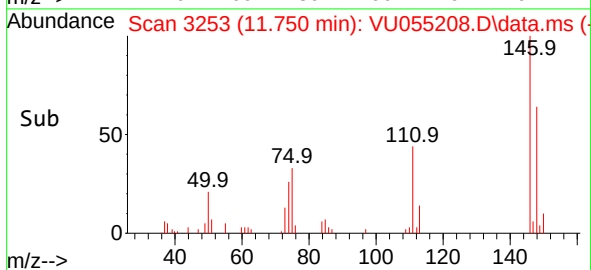
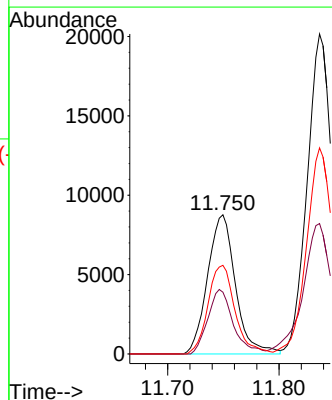
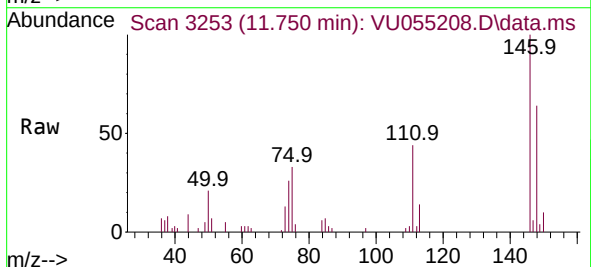
Instrument :
MSVOA_U
ClientSampleId :

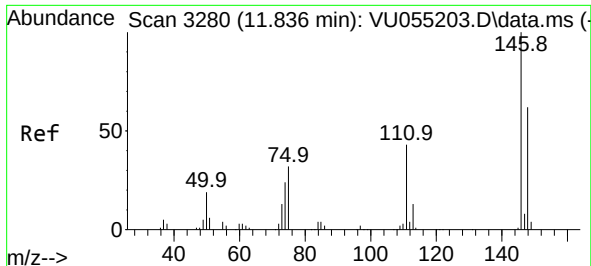
Tgt Ion: 75 Resp: 5259
Ion Ratio Lower Upper
75 100
110 6.5 28.2 42.2#
77 0.0 26.2 39.4#



#64
1,3-Dichlorobenzene
Concen: 0.731 ug/L
RT: 11.750 min Scan# 3253
Delta R.T. 0.003 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

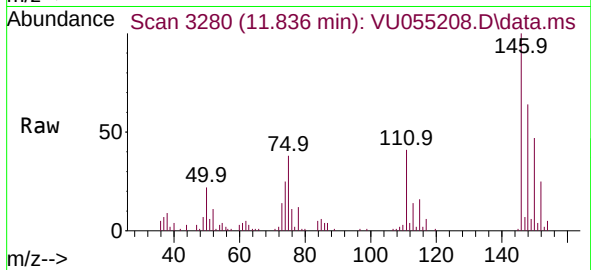
Tgt Ion:146 Resp: 15260
Ion Ratio Lower Upper
146 100
111 44.3 30.0 55.6
148 63.7 45.2 84.0



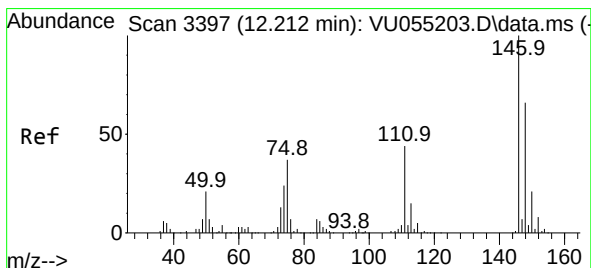
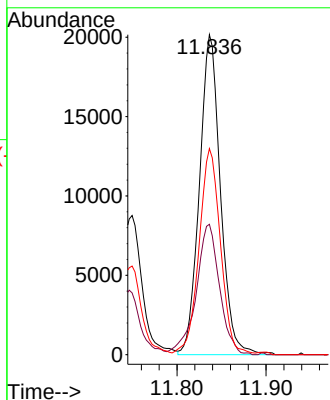
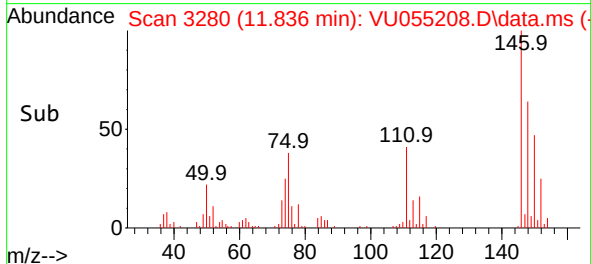


#65
1,4-Dichlorobenzene
Concen: 1.587 ug/L
RT: 11.836 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

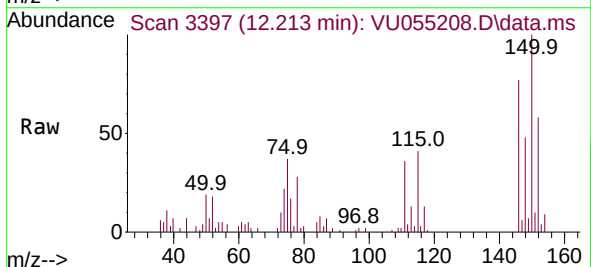
Instrument :
MSVOA_U
ClientSampleId :



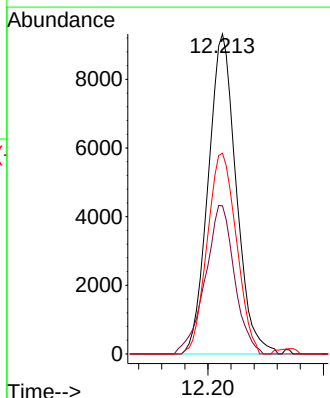
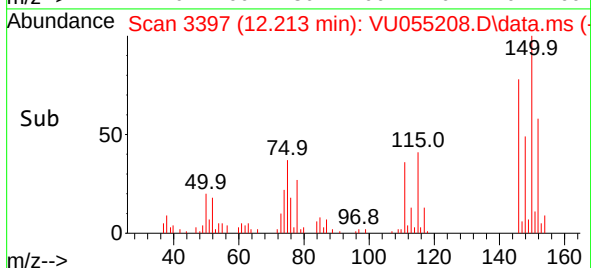
Tgt Ion:146 Resp: 33019
Ion Ratio Lower Upper
146 100
111 40.8 28.1 52.1
148 64.4 43.8 81.3

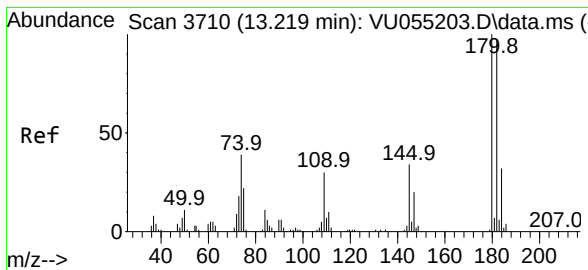


#67
1,2-Dichlorobenzene
Concen: 0.800 ug/L
RT: 12.213 min Scan# 3397
Delta R.T. 0.000 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32



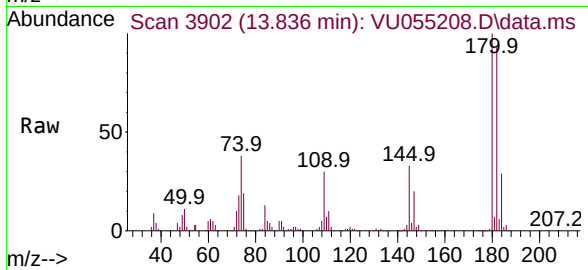
Tgt Ion:146 Resp: 15656
Ion Ratio Lower Upper
146 100
111 46.3 35.6 53.4
148 62.8 51.3 76.9



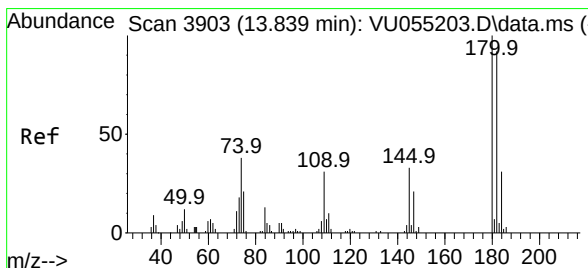
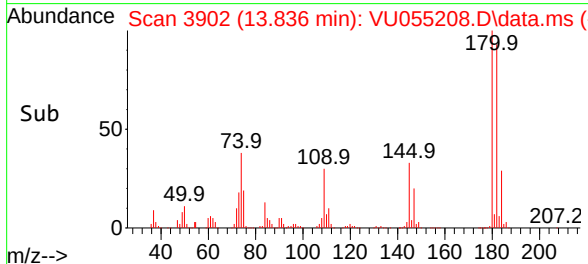
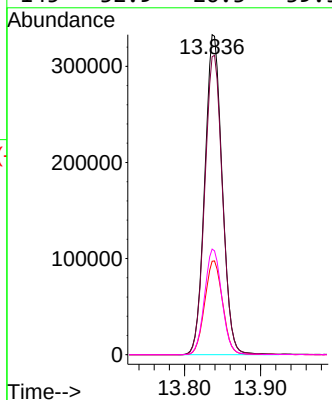


#69
 1,3,5-Trichlorobenzene
 Concen: 33.521 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.617 min
 Lab File: VU055208.D
 Acq: 08 Sep 2023 00:32

Instrument :
 MSVOA_U
 ClientSampleId :

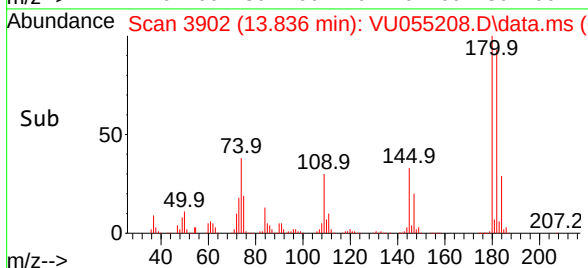
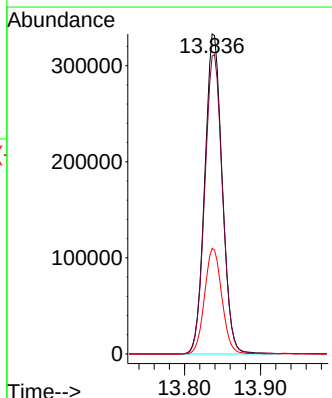
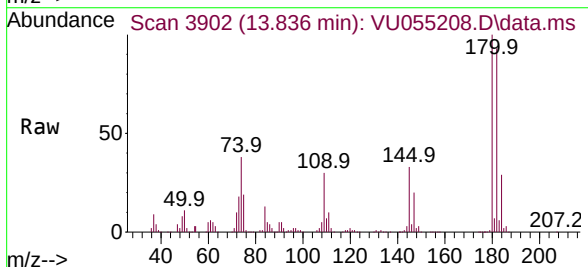


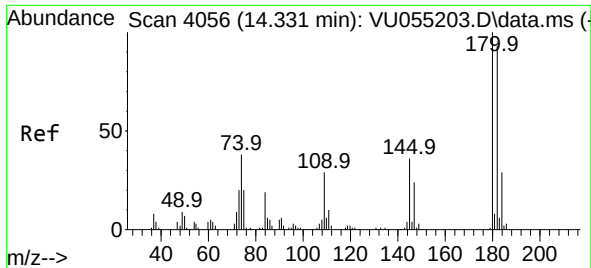
Tgt Ion:180 Resp: 528832
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.8 113.6
 184 30.2 24.0 36.0
 145 32.9 26.3 39.5



#70
 1,2,4-trichlorobenzene
 Concen: 35.749 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.003 min
 Lab File: VU055208.D
 Acq: 08 Sep 2023 00:32

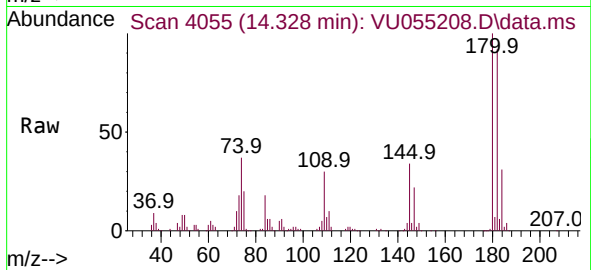
Tgt Ion:180 Resp: 528832
 Ion Ratio Lower Upper
 180 100
 182 95.1 73.6 110.4
 145 32.9 25.8 38.8





#72
 1,2,3-Trichlorobenzene
 Concen: 12.887 ug/L
 RT: 14.328 min Scan# 4055
 Delta R.T. -0.003 min
 Lab File: VU055208.D
 Acq: 08 Sep 2023 00:32

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 165464
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.6 113.4
 145 34.1 27.0 40.6

