

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100223\
 Data File : VU055620.D
 Acq On : 02 Oct 2023 22:11
 Operator : MD/SY
 Sample : 04679-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 03 06:24:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 03 06:03:59 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	162935	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	168651	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	83564	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	60792	3.692	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.800%
7) Chloroethane-d5	1.914	69	60934	4.199	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.000%
11) 1,1-Dichloroethene-d2	2.567	65	24044	3.547	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.000%
20) 2-Butanone-d5	4.637	46	166884	56.106	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.220%
24) Chloroform-d	5.062	84	134627	4.520	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	5.702	65	66653	4.652	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.724	84	246922	4.186	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
36) 1,2-Dichloropropane-d6	6.689	67	81406	4.619	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.400%
41) Toluene-d8	7.898	98	197798	3.679	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.600%
43) trans-1,3-Dichloroprop...	8.181	79	26579	4.297	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.634	63	89505	47.574	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.140%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	65545	4.962	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	73096	4.334	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	3418	0.227	ug/L #	62
12) 1,1-Dichloroethene	2.579	96	2246	0.197	ug/L #	1
14) Carbon disulfide	2.792	76	6795	0.198	ug/L	95
19) 1,1-Dichloroethane	3.866	63	163801	7.714	ug/L	99
22) cis-1,2-Dichloroethene	4.666	96	1986	0.149	ug/L	92
33) Benzene	5.779	78	6646	0.137	ug/L	100
35) Methylcyclohexane	6.689	83	18333	0.927	ug/L #	20
37) 1,2-Dichloropropane	6.685	63	9552	0.752	ug/L #	88
39) cis-1,3-Dichloropropene	7.563	75	2200	0.130	ug/L	89
48) 2-Hexanone	8.685	43	19062	4.271	ug/L #	69
51) Chlorobenzene	9.444	112	7013	0.211	ug/L	90
64) 1,3-Dichlorobenzene	11.749	146	2756	0.120	ug/L	89
67) 1,2-Dichlorobenzene	12.212	146	5620	0.266	ug/L #	90
69) 1,3,5-Trichlorobenzene	13.839	180	31427	1.979	ug/L	96
70) 1,2,4-trichlorobenzene	13.839	180	31427	2.596	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	4559	0.433	ug/L	93

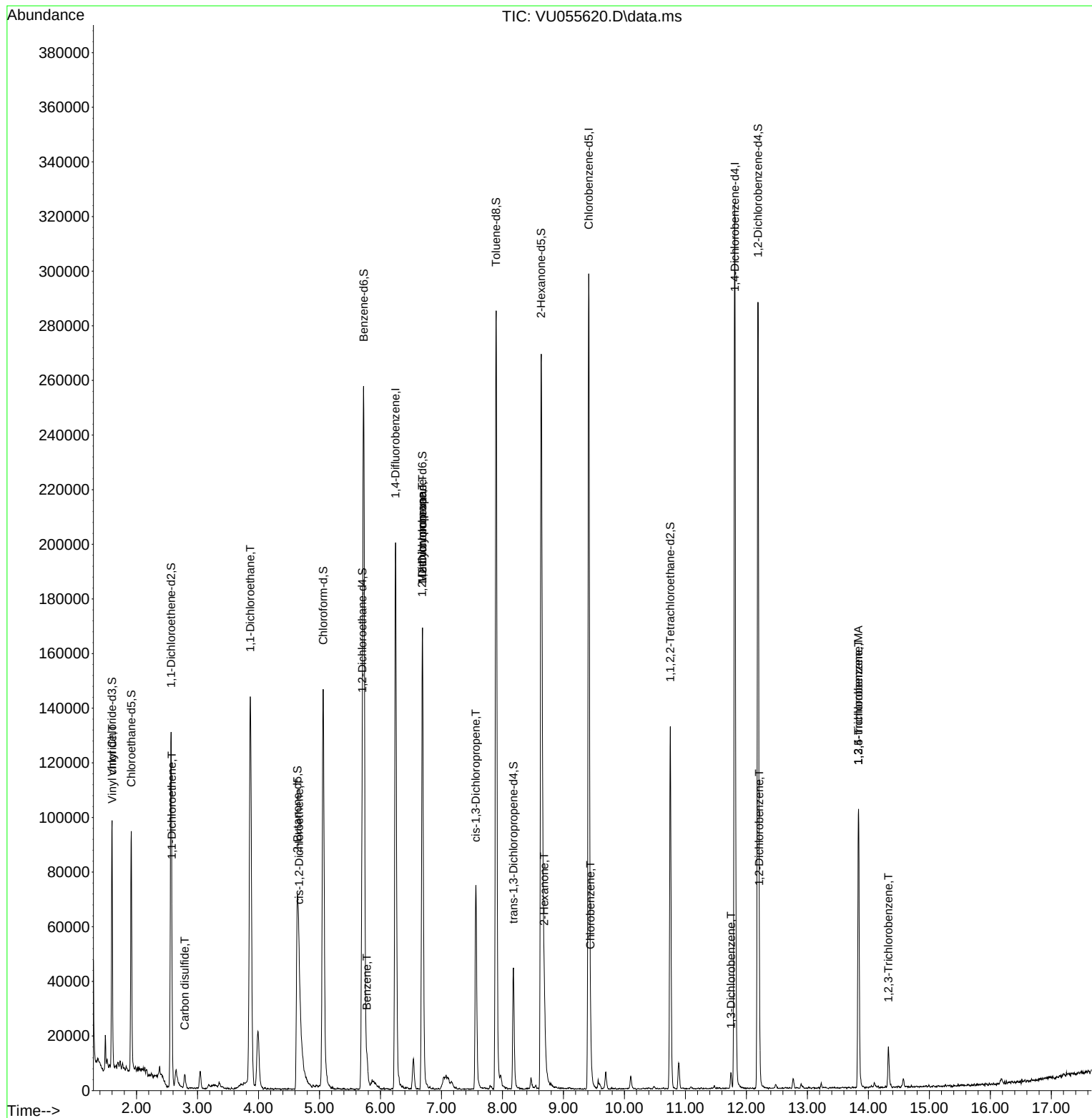
(#) = qualifier out of range (m) = manual integration (+) = signals summed

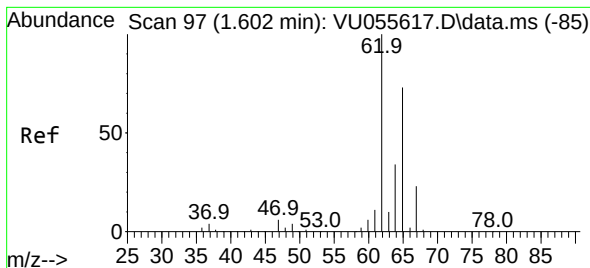
Instrument :
MSVOA_U
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100223\
Data File : VU055620.D
Acq On : 02 Oct 2023 22:11
Operator : MD/SY
Sample : 04679-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Oct 03 06:24:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 03 06:03:59 2023
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.227 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU055620.D

Acq: 02 Oct 2023 22:11

Instrument :

MSVOA_U

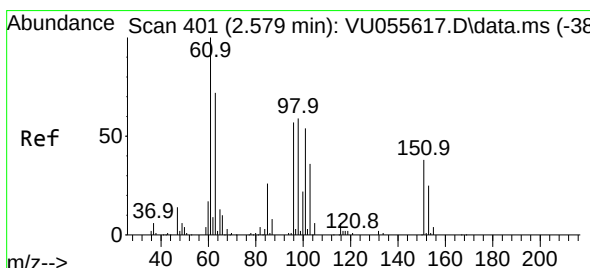
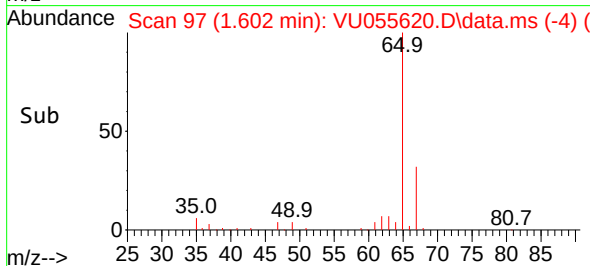
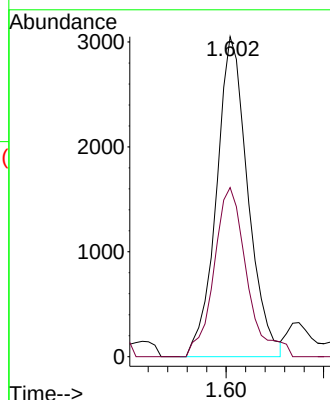
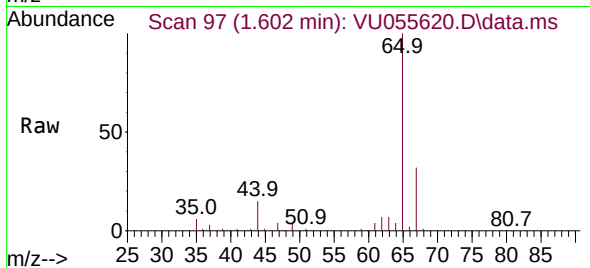
ClientSampleId :

Tgt Ion: 62 Resp: 3418

Ion Ratio Lower Upper

62 100

64 52.8 22.3 41.5#



#12

1,1-Dichloroethene

Concen: 0.197 ug/L

RT: 2.579 min Scan# 401

Delta R.T. 0.000 min

Lab File: VU055620.D

Acq: 02 Oct 2023 22:11

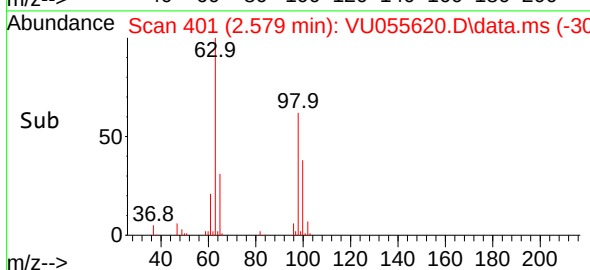
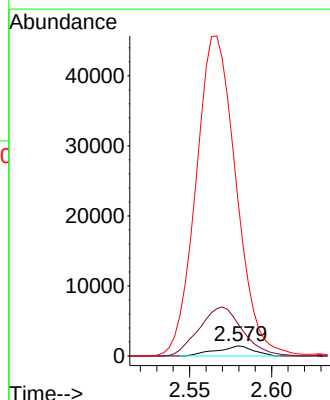
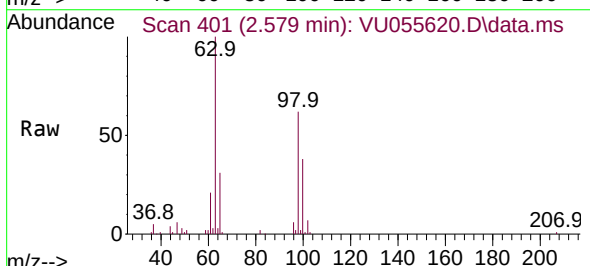
Tgt Ion: 96 Resp: 2246

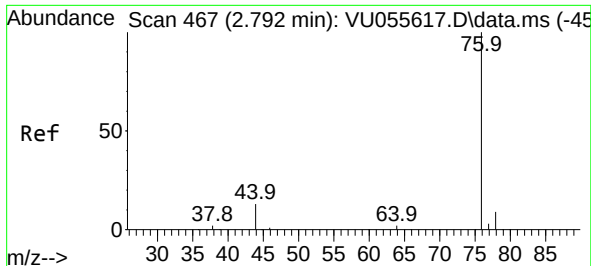
Ion Ratio Lower Upper

96 100

61 321.0 114.5 212.7#

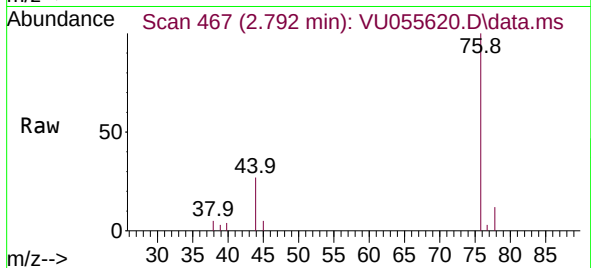
63 1555.2 98.3 182.5#



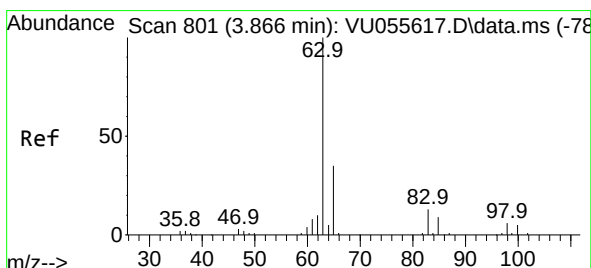
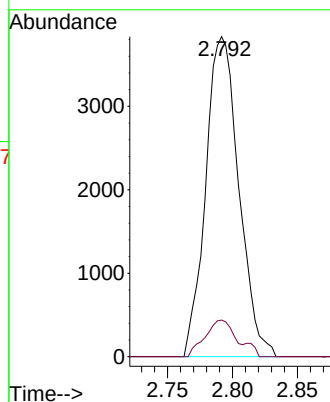
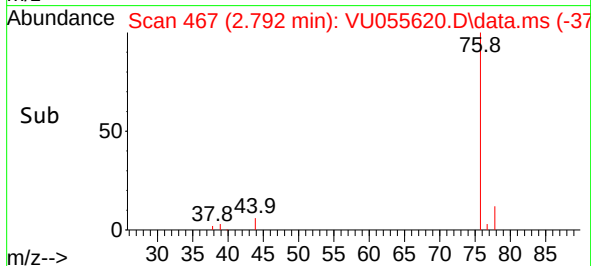


#14
Carbon disulfide
Concen: 0.198 ug/L
RT: 2.792 min Scan# 467
Delta R.T. 0.000 min
Lab File: VU055620.D
Acq: 02 Oct 2023 22:11

Instrument :
MSVOA_U
ClientSampleId :

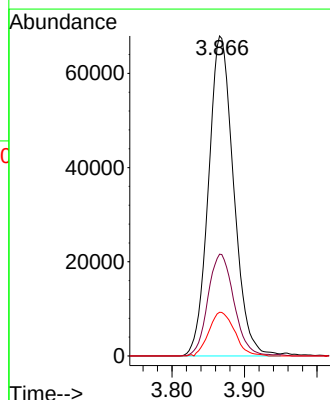
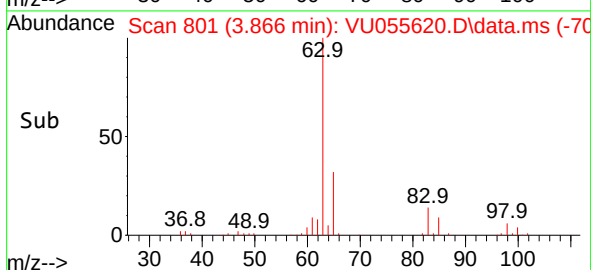
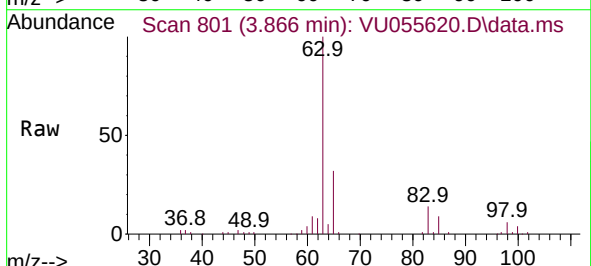


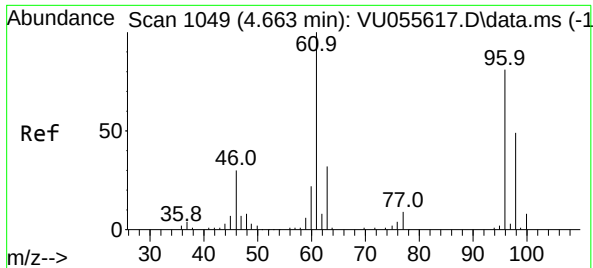
Tgt Ion: 76 Resp: 6795
Ion Ratio Lower Upper
76 100
78 11.4 7.7 11.5



#19
1,1-Dichloroethane
Concen: 7.714 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU055620.D
Acq: 02 Oct 2023 22:11

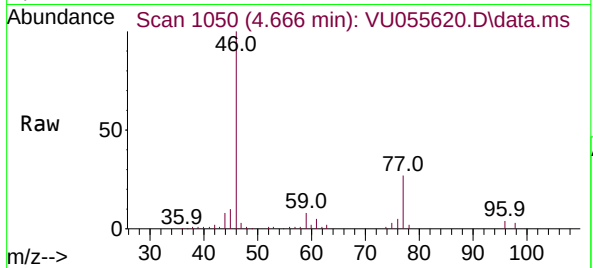
Tgt Ion: 63 Resp: 163801
Ion Ratio Lower Upper
63 100
65 31.8 22.0 41.0
83 13.6 10.1 18.9





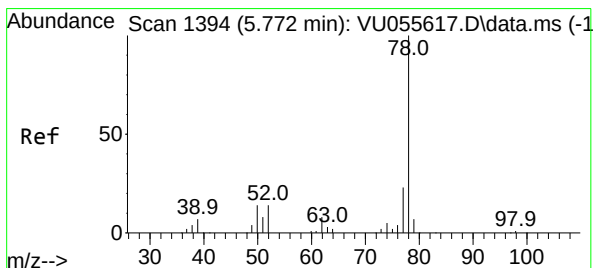
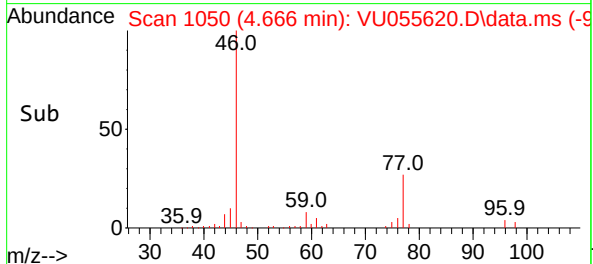
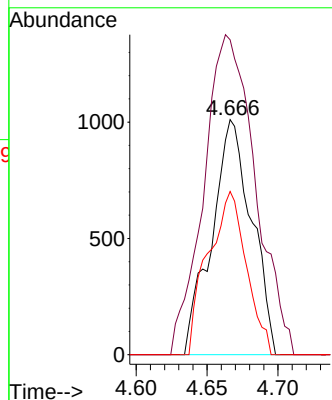
#22
 cis-1,2-Dichloroethene
 Concen: 0.149 ug/L
 RT: 4.666 min Scan# 1050
 Delta R.T. 0.003 min
 Lab File: VU055620.D
 Acq: 02 Oct 2023 22:11

Instrument :
 MSVOA_U
 ClientSampleId :



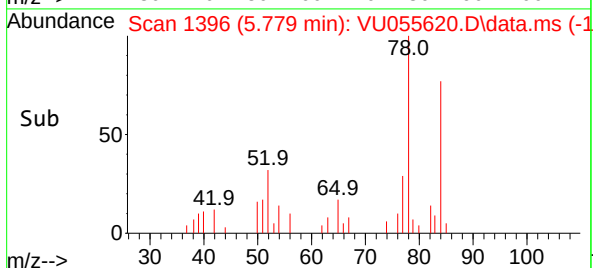
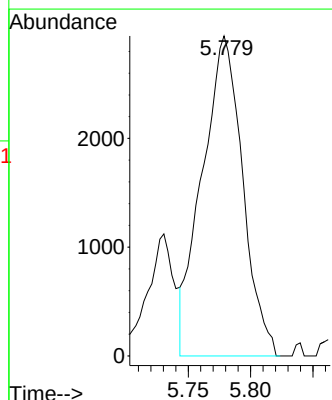
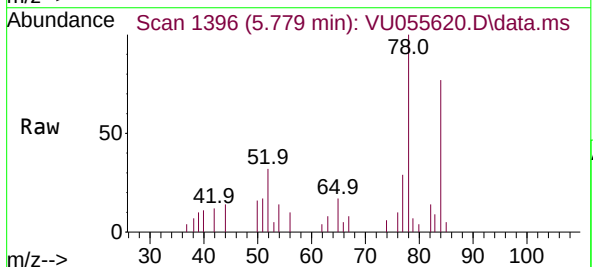
Tgt Ion: 96 Resp: 1986

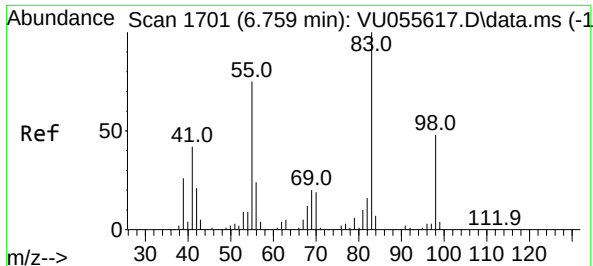
Ion	Ratio	Lower	Upper
96	100		
61	133.9	87.8	163.2
98	69.4	44.4	82.4



#33
 Benzene
 Concen: 0.137 ug/L
 RT: 5.779 min Scan# 1396
 Delta R.T. 0.006 min
 Lab File: VU055620.D
 Acq: 02 Oct 2023 22:11

Tgt Ion: 78 Resp: 6646

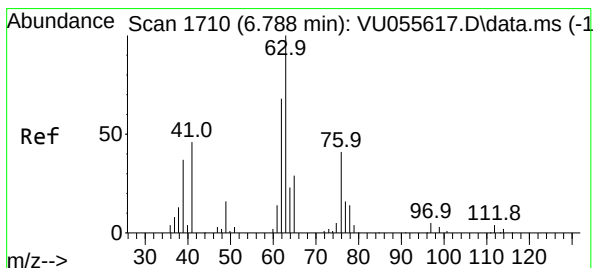
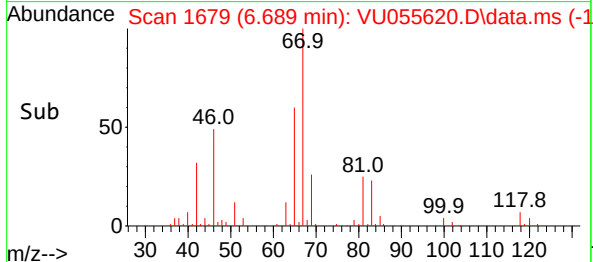
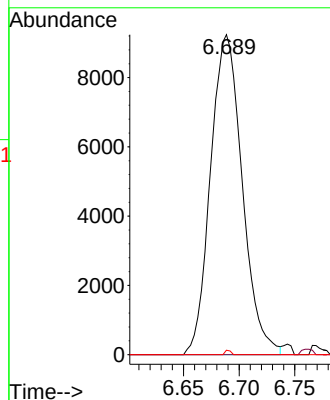
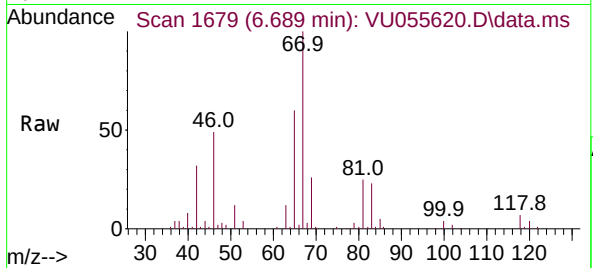




#35
Methylcyclohexane
Concen: 0.927 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055620.D
Acq: 02 Oct 2023 22:11

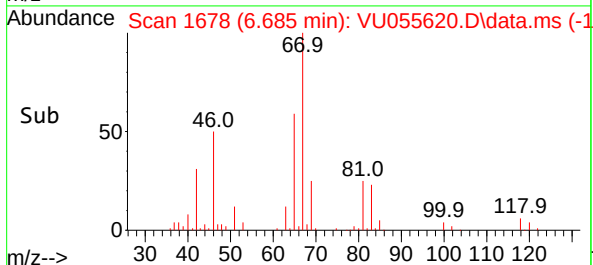
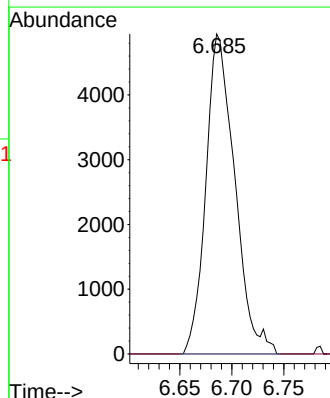
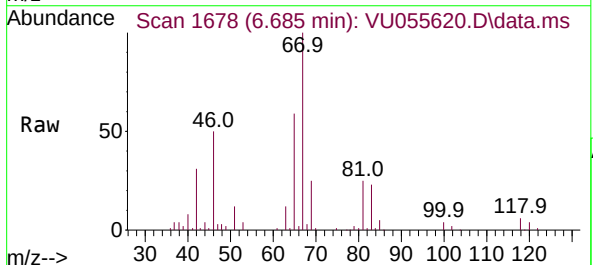
Instrument :
MSVOA_U
ClientSampleId :

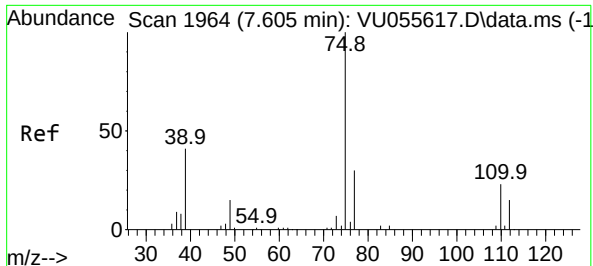
Tgt Ion: 83 Resp: 18333
Ion Ratio Lower Upper
83 100
55 0.6 59.1 88.7#
98 0.3 36.3 54.5#



#37
1,2-Dichloropropane
Concen: 0.752 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.103 min
Lab File: VU055620.D
Acq: 02 Oct 2023 22:11

Tgt Ion: 63 Resp: 9552
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#





#39

cis-1,3-Dichloropropene

Concen: 0.130 ug/L

RT: 7.563 min Scan# 1964

Delta R.T. -0.042 min

Lab File: VU055620.D

Acq: 02 Oct 2023 22:11

Instrument :

MSVOA_U

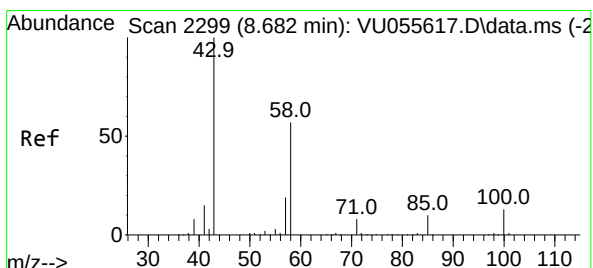
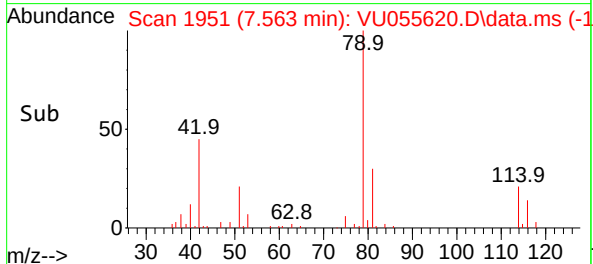
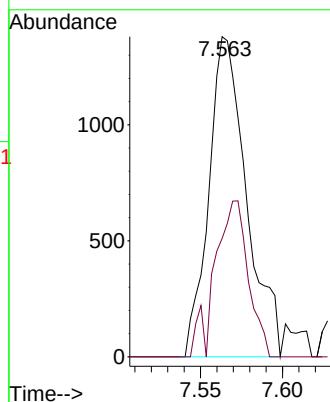
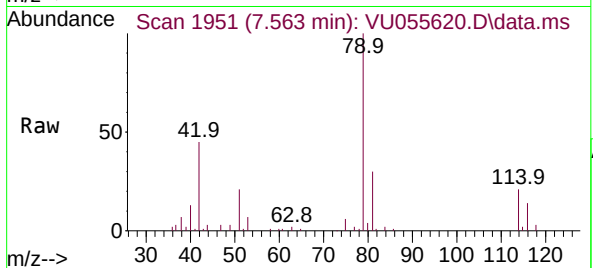
ClientSampleId :

Tgt Ion: 75 Resp: 2200

Ion Ratio Lower Upper

75 100

77 37.0 21.6 40.2



#48

2-Hexanone

Concen: 4.271 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU055620.D

Acq: 02 Oct 2023 22:11

Tgt Ion: 43 Resp: 19062

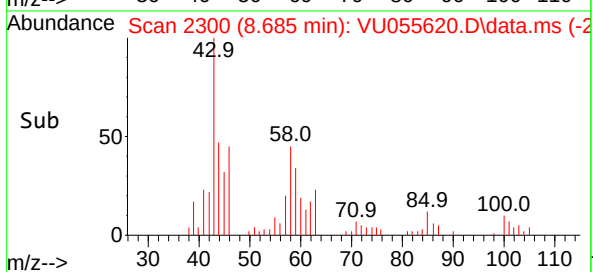
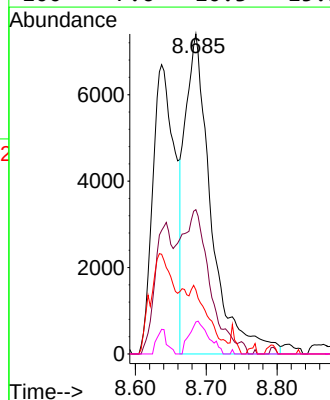
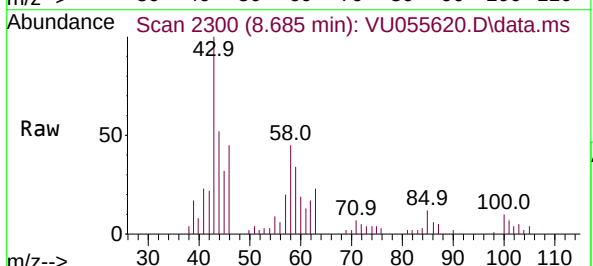
Ion Ratio Lower Upper

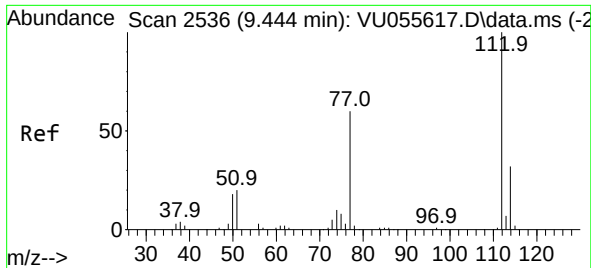
43 100

58 30.1 48.5 72.7#

57 14.5 17.0 25.4#

100 7.6 10.3 15.5#

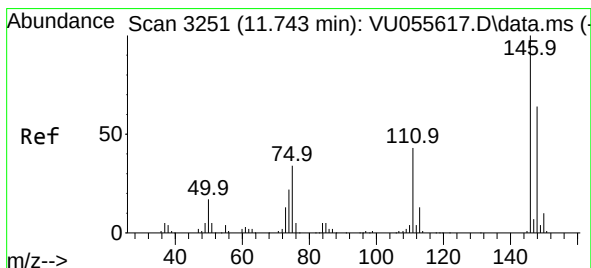
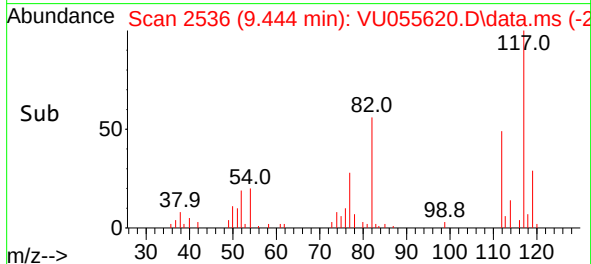
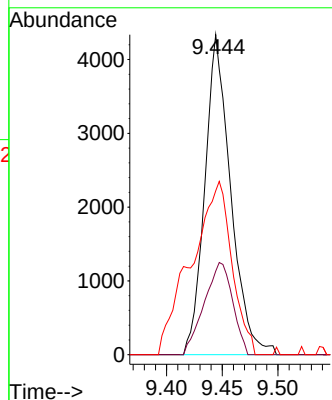
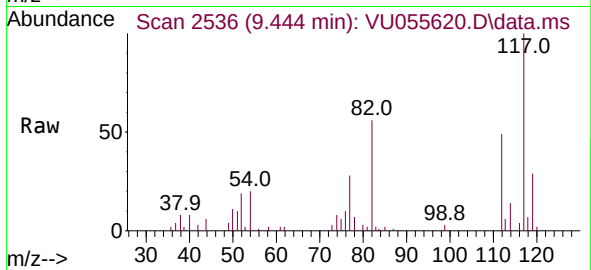




#51
Chlorobenzene
Concen: 0.211 ug/L
RT: 9.444 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055620.D
Acq: 02 Oct 2023 22:11

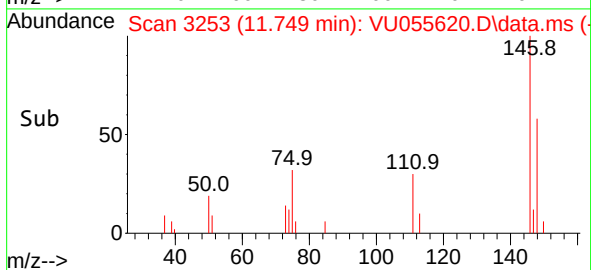
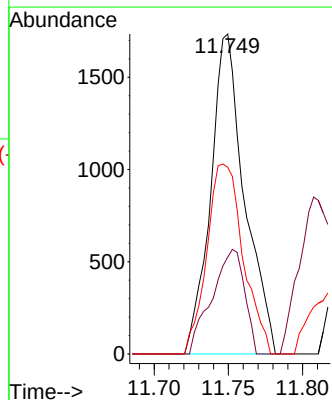
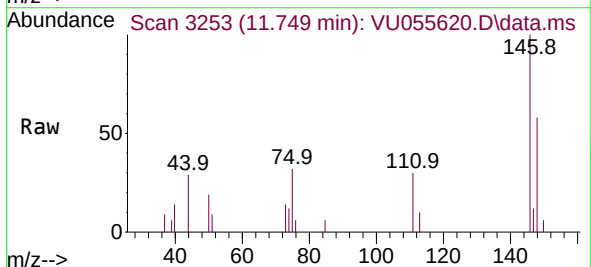
Instrument :
MSVOA_U
ClientSampleId :

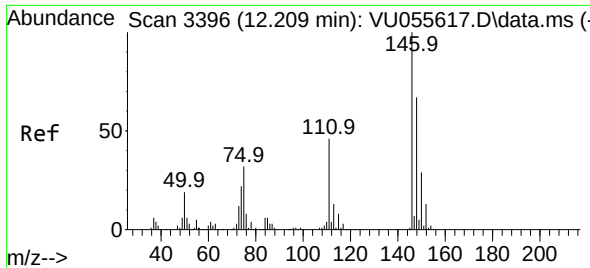
Tgt Ion:112 Resp: 7013
Ion Ratio Lower Upper
112 100
114 26.1 22.0 40.8
77 51.2 46.9 70.3



#64
1,3-Dichlorobenzene
Concen: 0.120 ug/L
RT: 11.749 min Scan# 3253
Delta R.T. 0.006 min
Lab File: VU055620.D
Acq: 02 Oct 2023 22:11

Tgt Ion:146 Resp: 2756
Ion Ratio Lower Upper
146 100
111 30.3 28.8 53.6
148 58.3 44.6 82.8

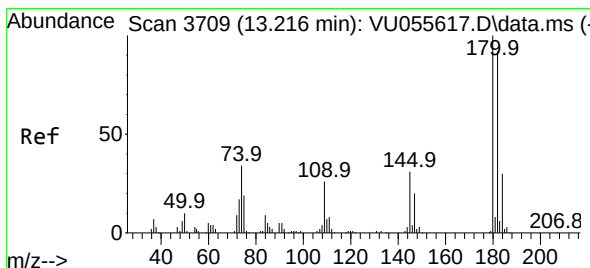
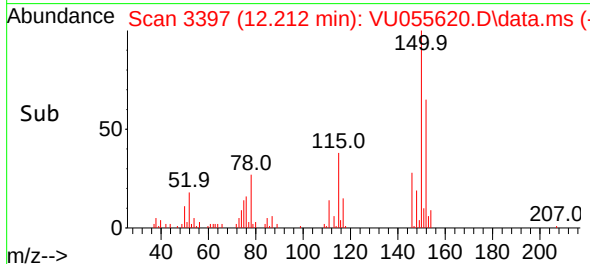
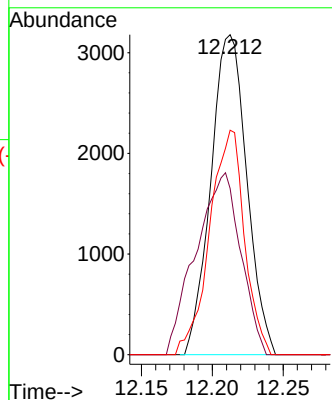
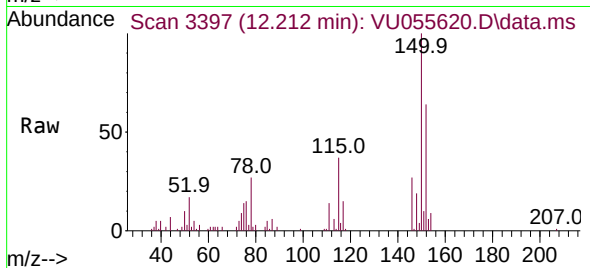




#67
1,2-Dichlorobenzene
Concen: 0.266 ug/L
RT: 12.212 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055620.D
Acq: 02 Oct 2023 22:11

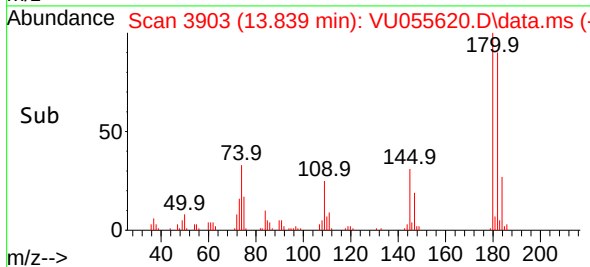
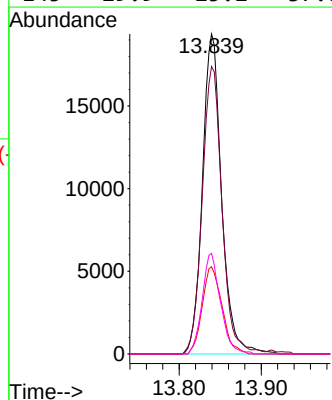
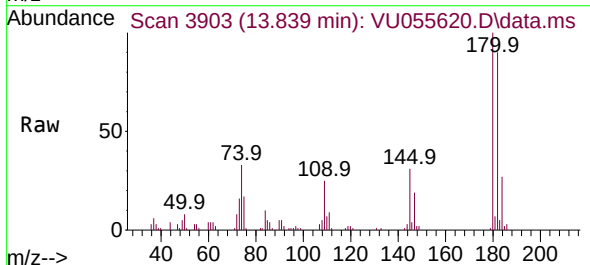
Instrument :
MSVOA_U
ClientSampleId :

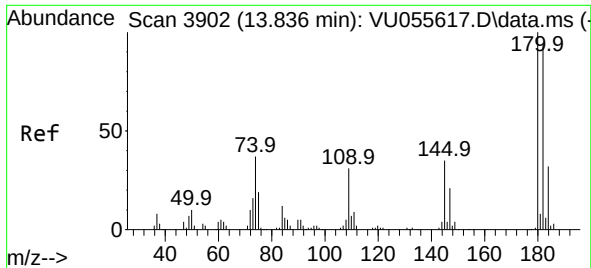
Tgt Ion:146 Resp: 5620
Ion Ratio Lower Upper
146 100
111 52.0 34.6 52.0#
148 70.2 51.8 77.8



#69
1,3,5-Trichlorobenzene
Concen: 1.979 ug/L
RT: 13.839 min Scan# 3903
Delta R.T. 0.624 min
Lab File: VU055620.D
Acq: 02 Oct 2023 22:11

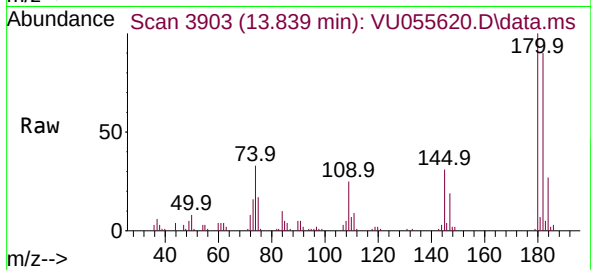
Tgt Ion:180 Resp: 31427
Ion Ratio Lower Upper
180 100
182 92.6 77.1 115.7
184 28.0 24.0 36.0
145 29.9 25.2 37.8



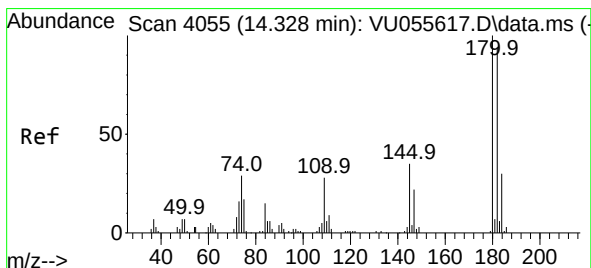
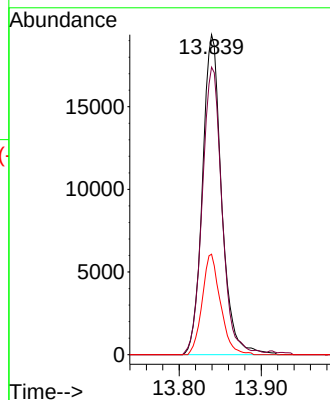
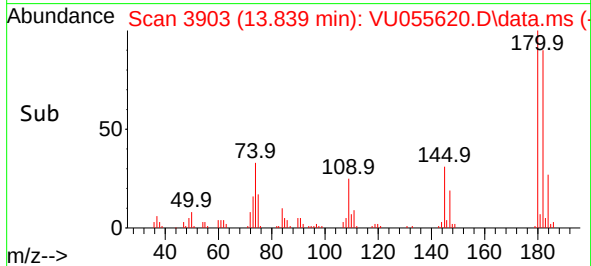


#70
1,2,4-trichlorobenzene
Concen: 2.596 ug/L
RT: 13.839 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU055620.D
Acq: 02 Oct 2023 22:11

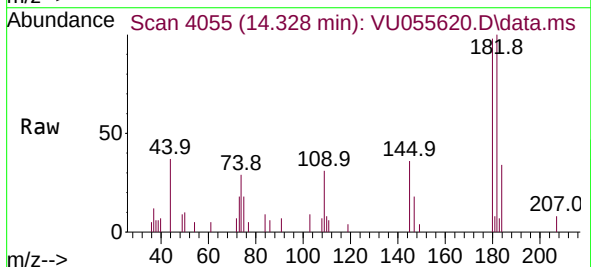
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:180 Resp: 31427
Ion Ratio Lower Upper
180 100
182 92.6 76.4 114.6
145 29.9 25.4 38.0



#72
1,2,3-Trichlorobenzene
Concen: 0.433 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.000 min
Lab File: VU055620.D
Acq: 02 Oct 2023 22:11



Tgt Ion:180 Resp: 4559
Ion Ratio Lower Upper
180 100
182 102.8 76.2 114.4
145 34.8 26.0 39.0

