

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032423\
 Data File : VU053398.D
 Acq On : 24 Mar 2023 18:24
 Operator : JC/MD
 Sample : 02041-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 25 00:41:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 25 00:39:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	130181	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	123081	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	62610	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	45861	5.121	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 102.400%		
7) Chloroethane-d5	1.912	69	41447	5.099	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 102.000%		
11) 1,1-Dichloroethene-d2	2.565	65	19262	5.049	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 101.000%		
20) 2-Butanone-d5	4.661	46	75415	36.759	ug/L	0.03
Spiked Amount	50.000	Range 40 - 130	Recovery	= 73.520%		
24) Chloroform-d	5.057	84	85483	5.149	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 103.000%		
26) 1,2-Dichloroethane-d4	5.700	65	43448	5.107	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 102.200%		
32) Benzene-d6	5.723	84	175837	5.041	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 100.800%		
36) 1,2-Dichloropropane-d6	6.684	67	55388	5.211	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 104.200%		
41) Toluene-d8	7.893	98	162675	4.943	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 98.800%		
43) trans-1,3-Dichloroprop...	8.173	79	18228	4.469	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 89.400%		
46) 2-Hexanone-d5	8.632	63	81942	49.461	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 98.920%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	44582	5.039	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 100.800%		
66) 1,2-Dichlorobenzene-d4	12.189	152	62218	5.524	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 110.400%		
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.601	62	1301	0.123	ug/L #	1
8) Chloroethane	1.928	64	2061	0.335	ug/L #	55
22) cis-1,2-Dichloroethene	4.671	96	2381	0.231	ug/L #	71
30) Cyclohexane	5.382	56	10775	0.832	ug/L	97
33) Benzene	5.771	78	9673	0.293	ug/L	100
35) Methylcyclohexane	6.761	83	9244	0.613	ug/L	89
37) 1,2-Dichloropropane	6.687	63	5844	0.671	ug/L #	95
45) 1,1,2-Trichloroethane	8.359	97	1336	0.216	ug/L #	18
48) 2-Hexanone	8.681	43	5820	1.847	ug/L #	75
51) Chlorobenzene	9.443	112	1213700	53.400	ug/L	100
53) m,p-Xylene	9.687	106	3732	0.249	ug/L	97
54) o-Xylene	10.099	106	3974	0.280	ug/L	96
60) Isopropylbenzene	10.478	105	75235	1.978	ug/L #	85
62) 1,3,5-Trimethylbenzene	11.288	105	14359	0.465	ug/L #	75
63) 1,2,4-Trimethylbenzene	11.889	105	9813	0.310	ug/L	89
64) 1,3-Dichlorobenzene	11.742	146	4005	0.240	ug/L	83
65) 1,4-Dichlorobenzene	11.832	146	78647	4.685	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	7328	0.462	ug/L #	85
68) 1,2-Dibromo-3-chloropr...	12.967	75	3620	3.599	ug/L #	6

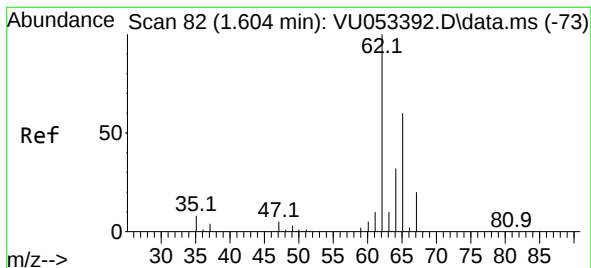
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032423\
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Response via : Initial Calibration

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

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



#5

Vinyl chloride

Concen: 0.123 ug/L

RT: 1.601 min Scan# 81

Delta R.T. -0.003 min

Lab File: VU053398.D

Acq: 24 Mar 2023 18:24

Instrument :

MSVOA_U

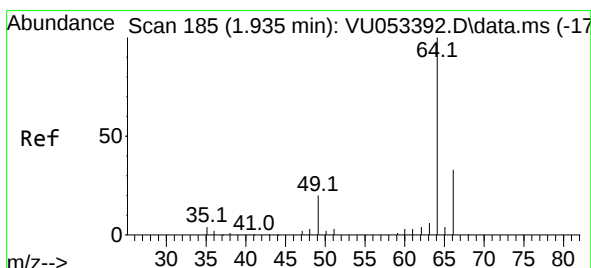
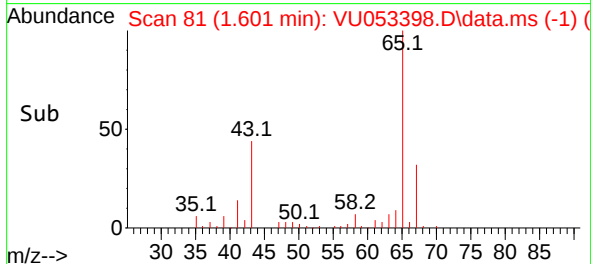
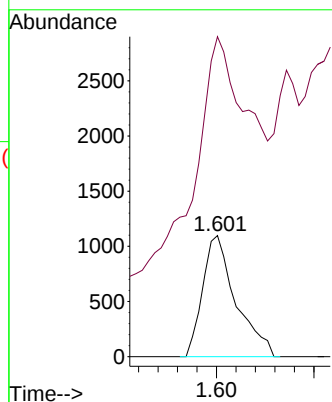
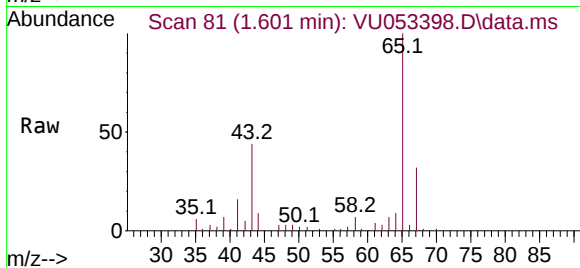
ClientSampleId :

Tgt Ion: 62 Resp: 1301

Ion Ratio Lower Upper

62 100

64 264.1 24.1 44.7#



#8

Chloroethane

Concen: 0.335 ug/L

RT: 1.928 min Scan# 183

Delta R.T. -0.006 min

Lab File: VU053398.D

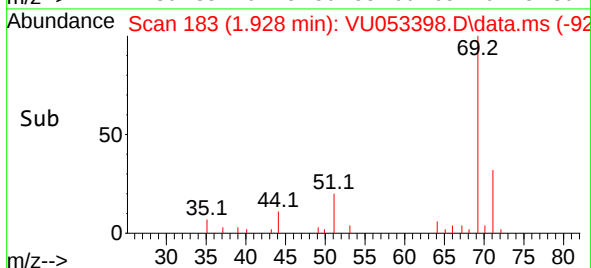
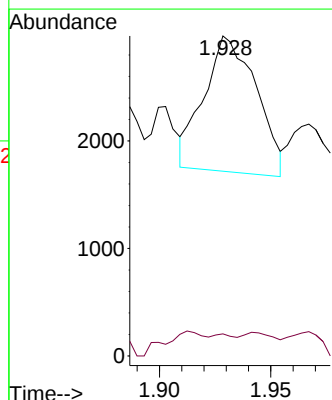
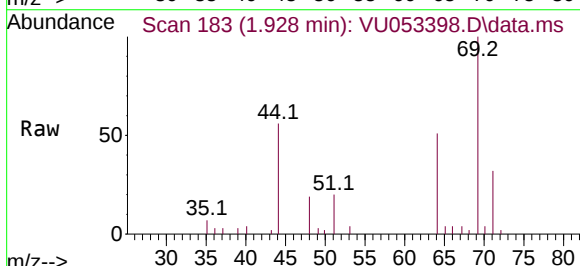
Acq: 24 Mar 2023 18:24

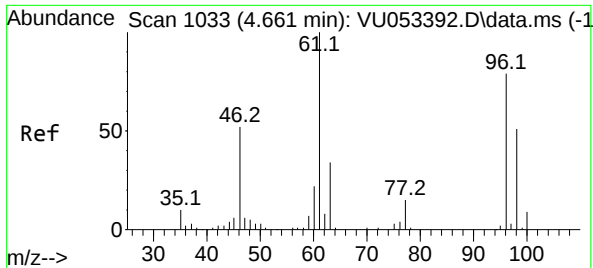
Tgt Ion: 64 Resp: 2061

Ion Ratio Lower Upper

64 100

66 6.9 22.3 41.5#





#22

cis-1,2-Dichloroethene

Concen: 0.231 ug/L

RT: 4.671 min Scan# 1033

Delta R.T. 0.010 min

Lab File: VU053398.D

Acq: 24 Mar 2023 18:24

Instrument :

MSVOA_U

ClientSampleId :

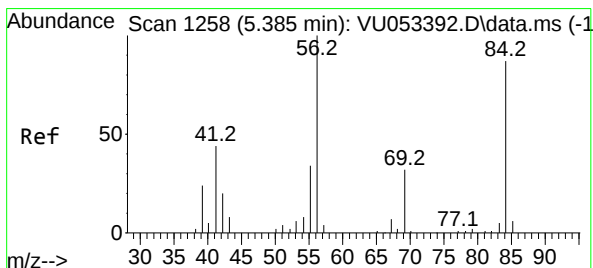
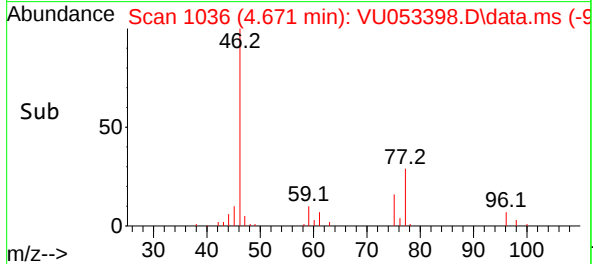
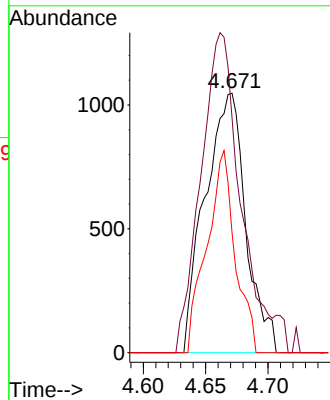
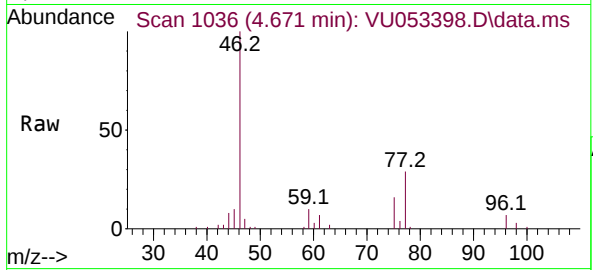
Tgt Ion: 96 Resp: 2381

Ion Ratio Lower Upper

96 100

61 90.5 86.6 160.8

98 46.2 47.7 88.5#



#30

Cyclohexane

Concen: 0.832 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.003 min

Lab File: VU053398.D

Acq: 24 Mar 2023 18:24

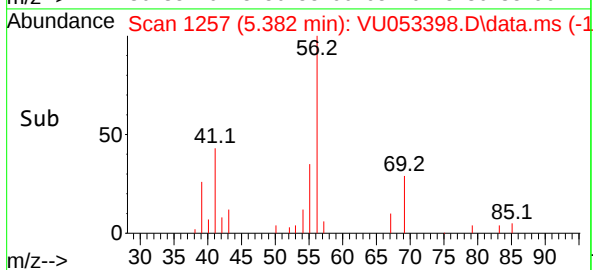
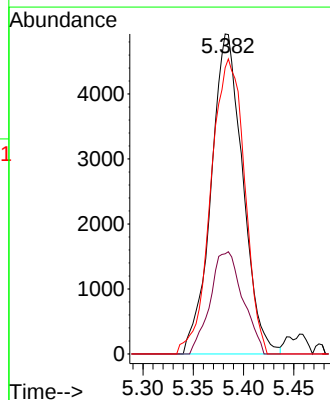
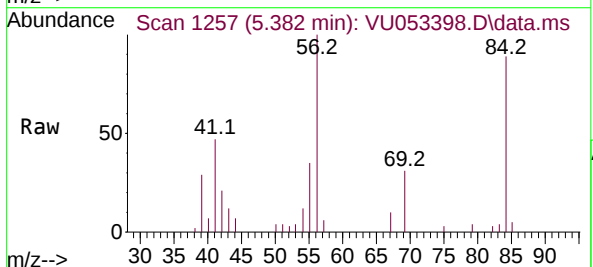
Tgt Ion: 56 Resp: 10775

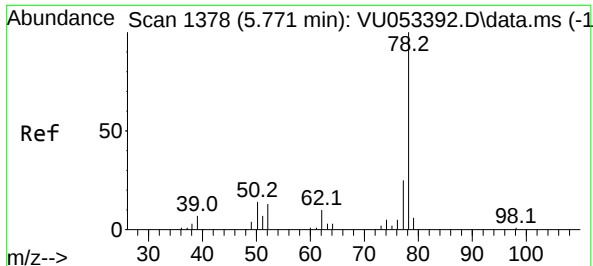
Ion Ratio Lower Upper

56 100

69 32.9 26.1 39.1

84 97.8 75.6 113.4

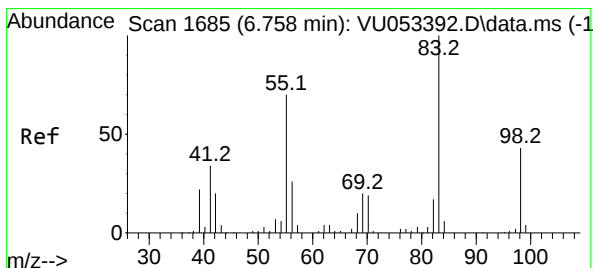
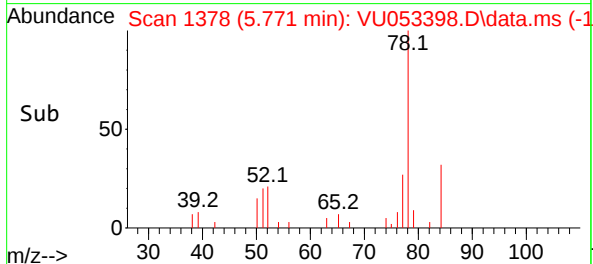
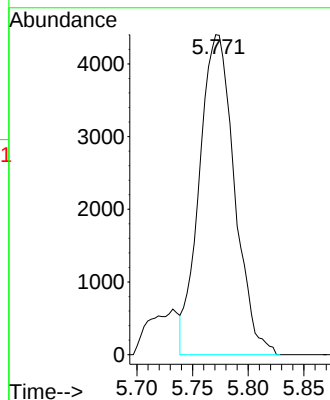
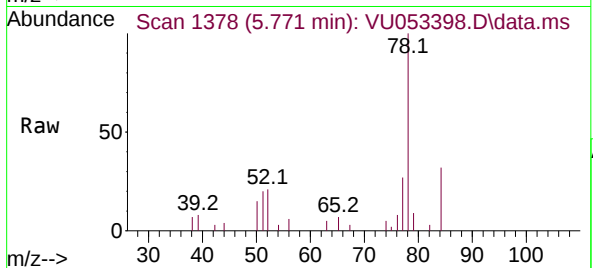




#33
Benzene
Concen: 0.293 ug/L
RT: 5.771 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053398.D
Acq: 24 Mar 2023 18:24

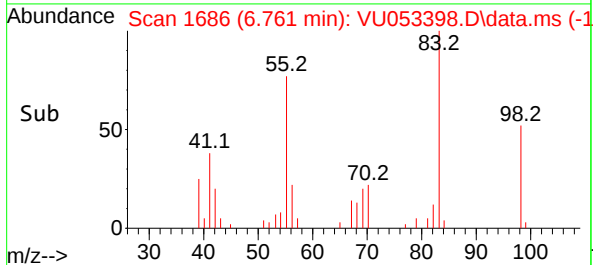
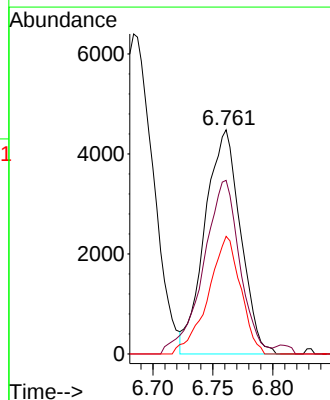
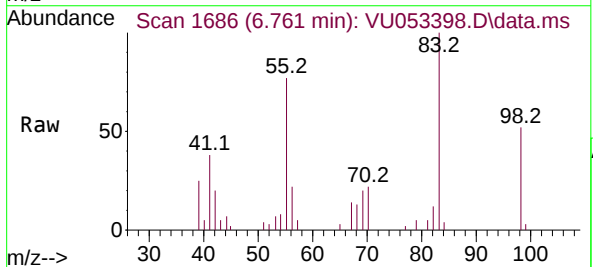
Instrument :
MSVOA_U
ClientSampleId :

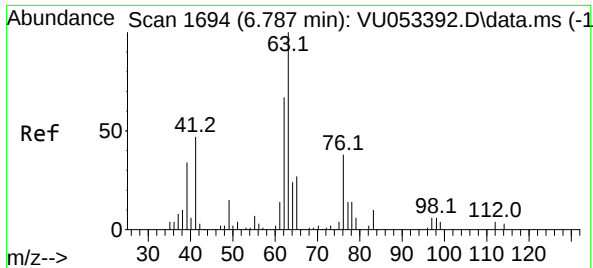
Tgt Ion: 78 Resp: 9673



#35
Methylcyclohexane
Concen: 0.613 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.003 min
Lab File: VU053398.D
Acq: 24 Mar 2023 18:24

Tgt Ion: 83 Resp: 9244
Ion Ratio Lower Upper
83 100
55 79.3 54.9 82.3
98 47.8 34.9 52.3

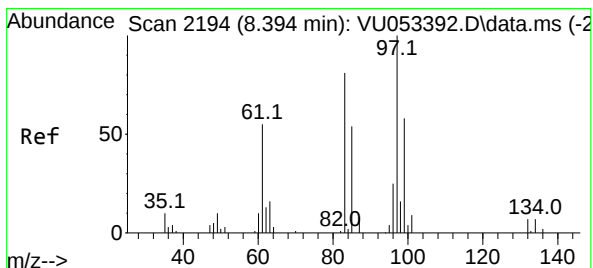
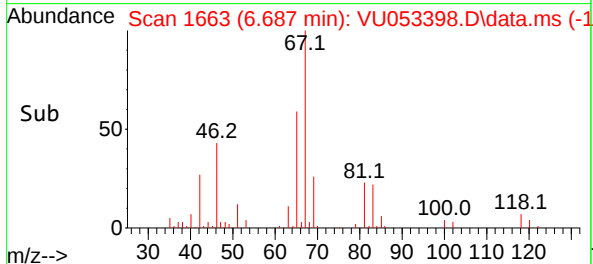
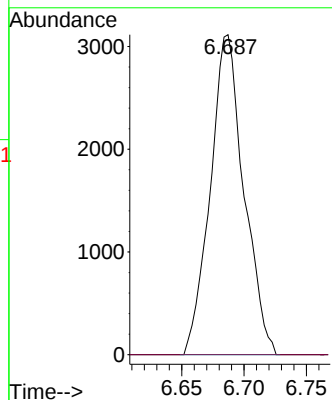
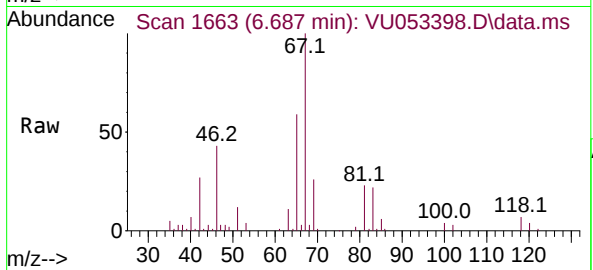




#37
1,2-Dichloropropane
Concen: 0.671 ug/L
RT: 6.687 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU053398.D
Acq: 24 Mar 2023 18:24

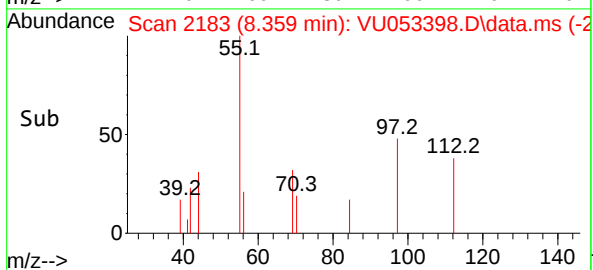
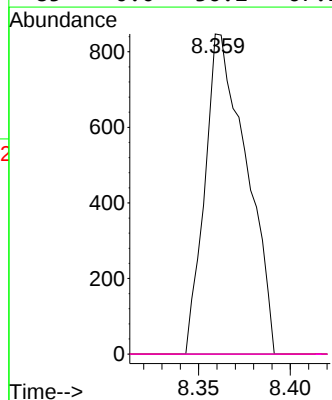
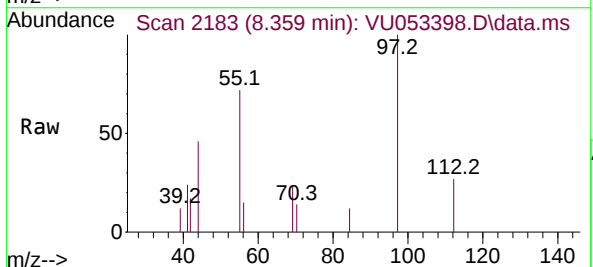
Instrument :
MSVOA_U
ClientSampleId :

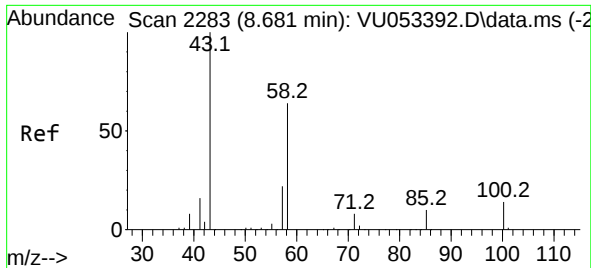
Tgt Ion: 63 Resp: 5844
Ion Ratio Lower Upper
63 100
112 2.1 3.0 4.4#



#45
1,1,2-Trichloroethane
Concen: 0.216 ug/L
RT: 8.359 min Scan# 2183
Delta R.T. -0.035 min
Lab File: VU053398.D
Acq: 24 Mar 2023 18:24

Tgt Ion: 97 Resp: 1336
Ion Ratio Lower Upper
97 100
99 0.0 38.9 72.2#
83 0.0 57.6 107.0#
85 0.0 36.2 67.2#

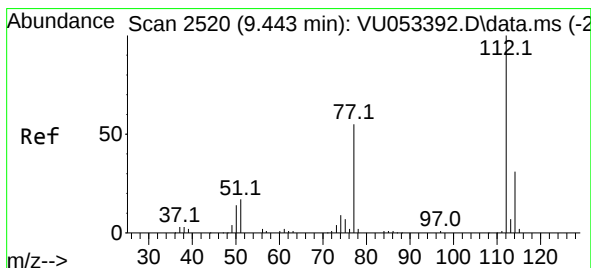
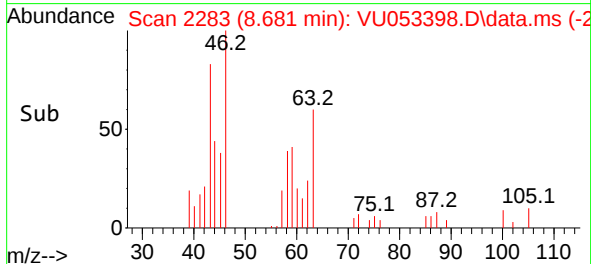
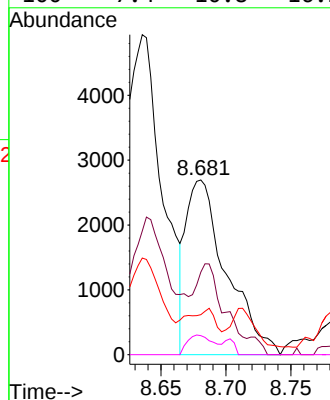
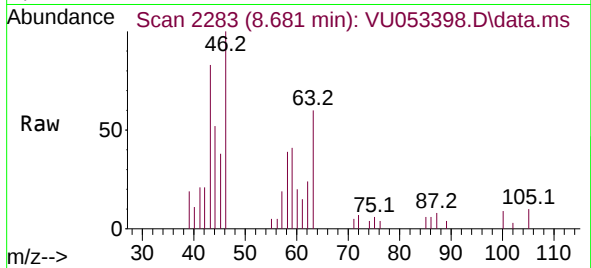




#48
2-Hexanone
Concen: 1.847 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053398.D
Acq: 24 Mar 2023 18:24

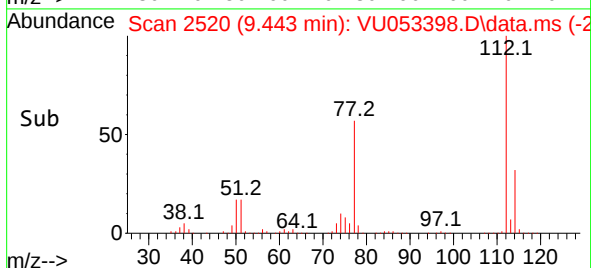
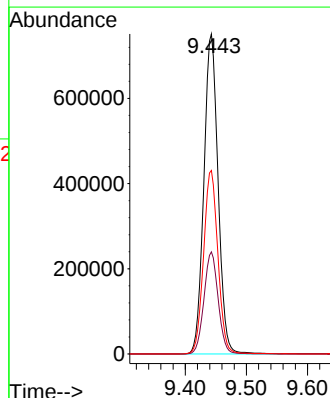
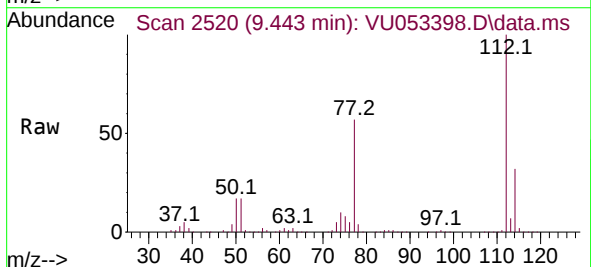
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ClientSampleId :

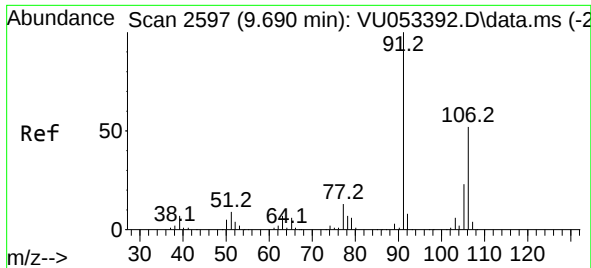
Tgt Ion: 43	Resp: 5820
Ion Ratio	Lower Upper
43 100	
58 41.0	52.8 79.2#
57 16.8	17.1 25.7#
100 7.4	10.8 16.2#



#51
Chlorobenzene
Concen: 53.400 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053398.D
Acq: 24 Mar 2023 18:24

Tgt Ion:112	Resp: 1213700		
Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.1	41.1
77	57.3	45.8	68.6

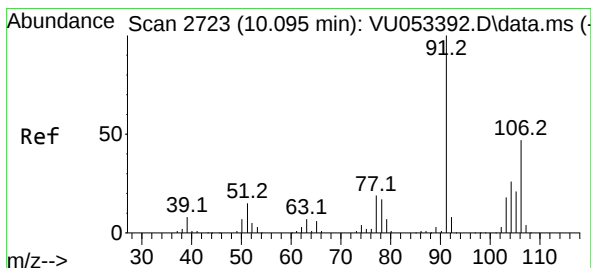
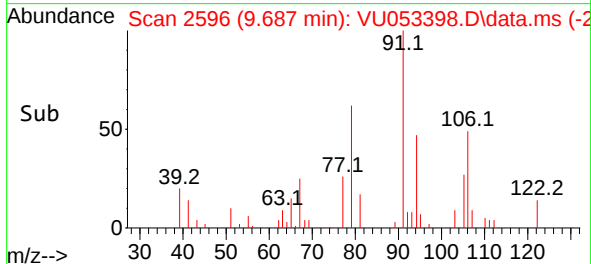
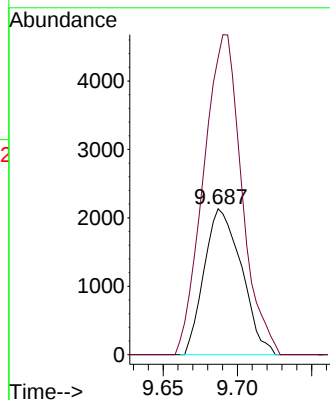
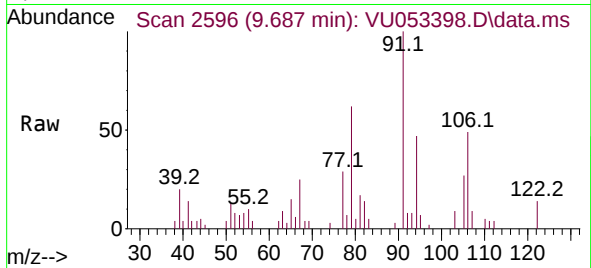




#53
m,p-Xylene
Concen: 0.249 ug/L
RT: 9.687 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053398.D
Acq: 24 Mar 2023 18:24

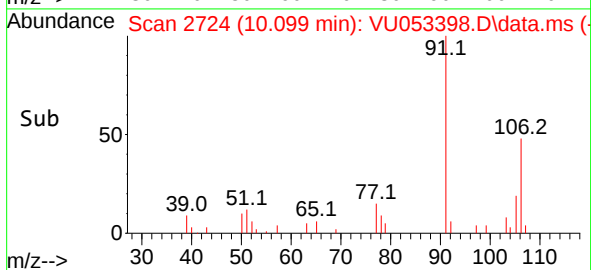
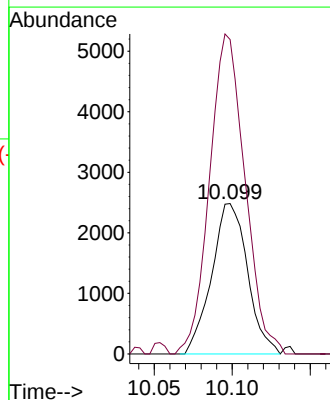
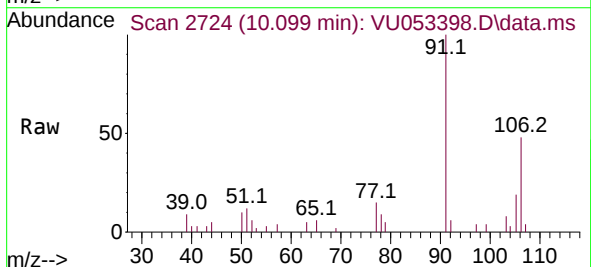
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MSVOA_U
ClientSampleId :

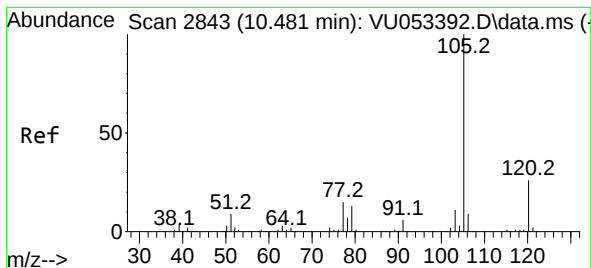
Tgt Ion:106 Resp: 3732
Ion Ratio Lower Upper
106 100
91 203.5 138.8 257.8



#54
o-Xylene
Concen: 0.280 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.003 min
Lab File: VU053398.D
Acq: 24 Mar 2023 18:24

Tgt Ion:106 Resp: 3974
Ion Ratio Lower Upper
106 100
91 209.1 150.8 280.0





#60

Isopropylbenzene

Concen: 1.978 ug/L

RT: 10.478 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU053398.D

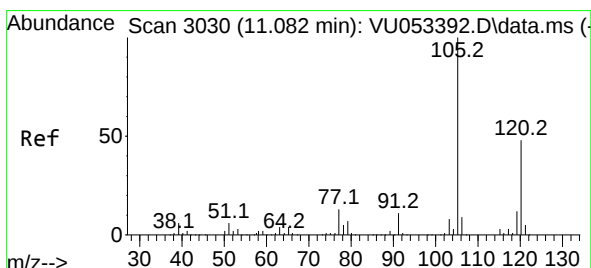
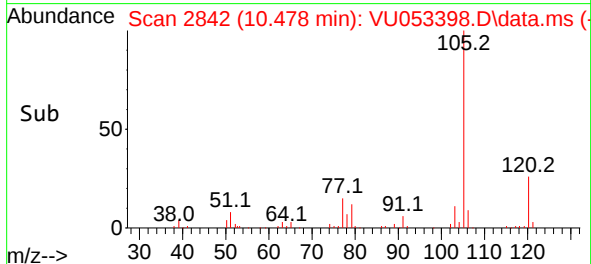
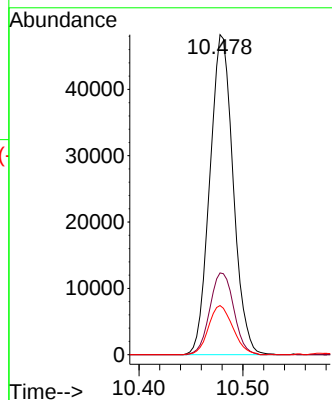
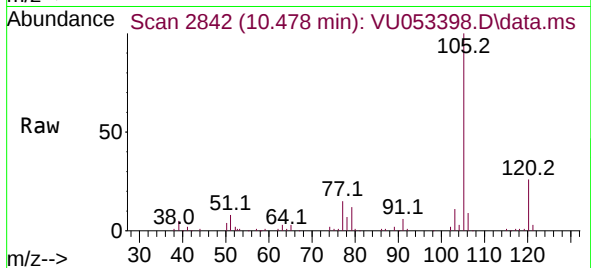
Acq: 24 Mar 2023 18:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:105	Resp:	75235
Ion Ratio	Lower	Upper
105	100	
120	26.3	21.5 32.3
77	0.0	13.0 19.4#



#62

1,3,5-Trimethylbenzene

Concen: 0.465 ug/L

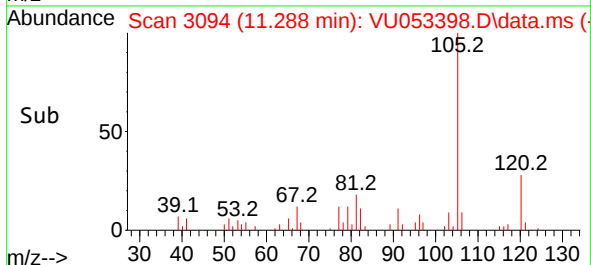
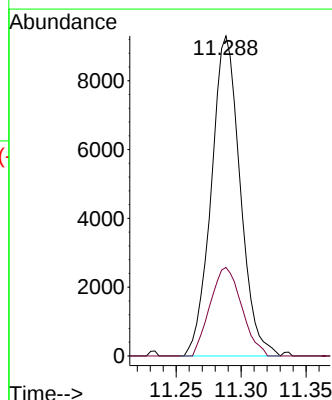
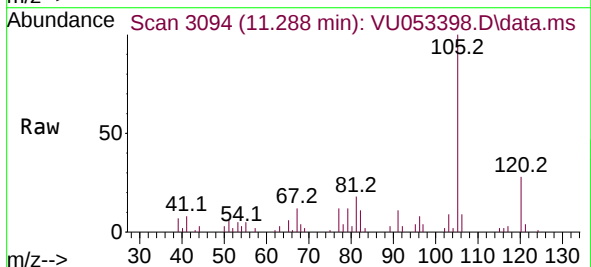
RT: 11.288 min Scan# 3094

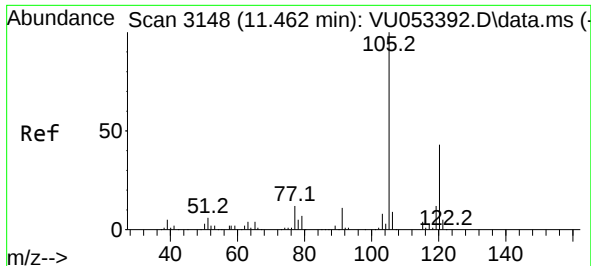
Delta R.T. 0.206 min

Lab File: VU053398.D

Acq: 24 Mar 2023 18:24

Tgt Ion:105	Resp:	14359
Ion Ratio	Lower	Upper
105	100	
120	30.2	37.8 56.8#

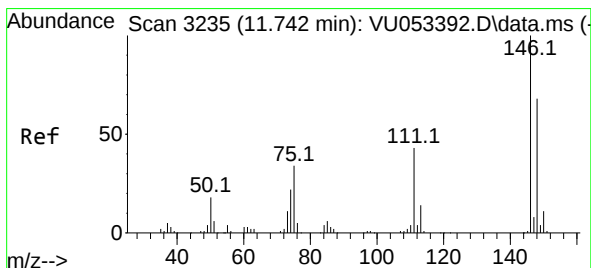
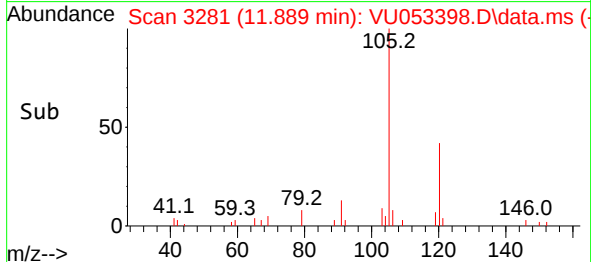
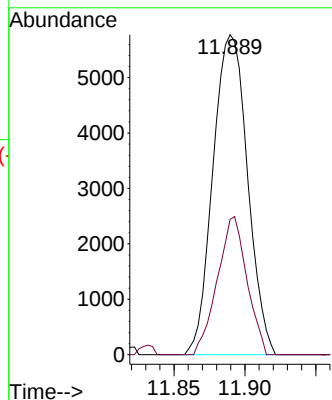
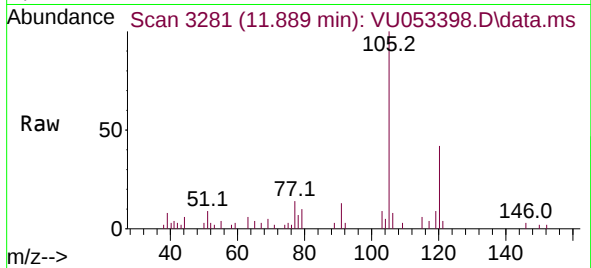




#63
1,2,4-Trimethylbenzene
Concen: 0.310 ug/L
RT: 11.889 min Scan# 3148
Delta R.T. 0.428 min
Lab File: VU053398.D
Acq: 24 Mar 2023 18:24

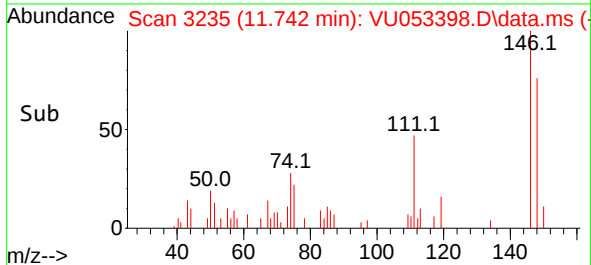
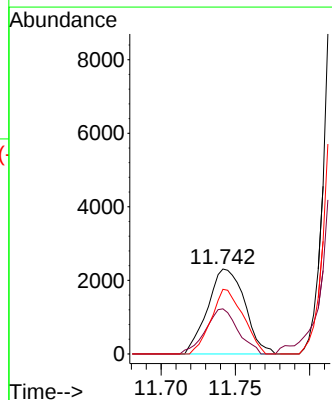
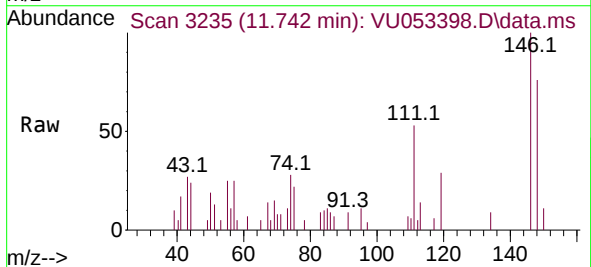
Instrument :
MSVOA_U
ClientSampleId :

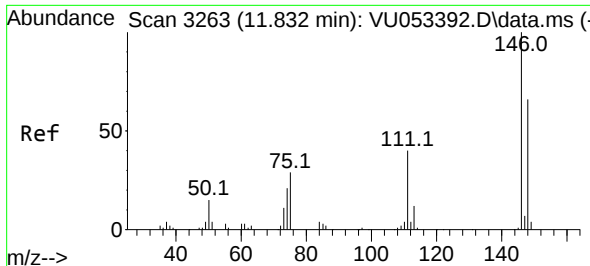
Tgt Ion:105 Resp: 9813
Ion Ratio Lower Upper
105 100
120 36.8 35.4 53.0



#64
1,3-Dichlorobenzene
Concen: 0.240 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053398.D
Acq: 24 Mar 2023 18:24

Tgt Ion:146 Resp: 4005
Ion Ratio Lower Upper
146 100
111 53.1 29.4 54.6
148 76.2 44.3 82.3

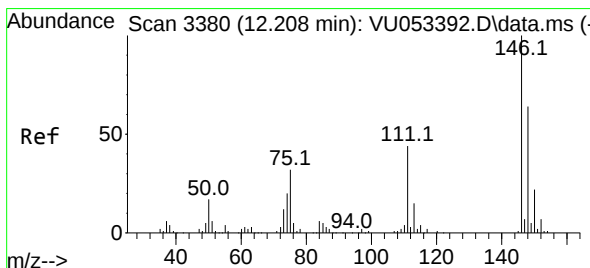
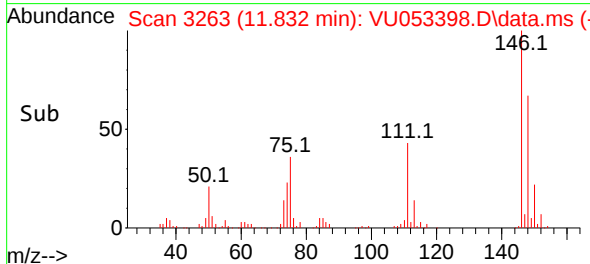
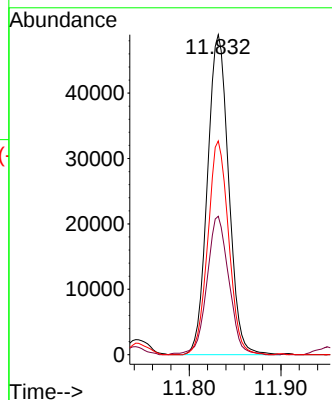
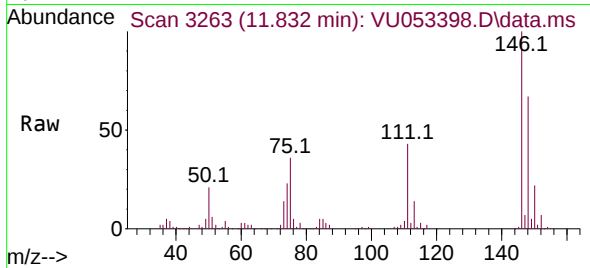




#65
1,4-Dichlorobenzene
Concen: 4.685 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053398.D
Acq: 24 Mar 2023 18:24

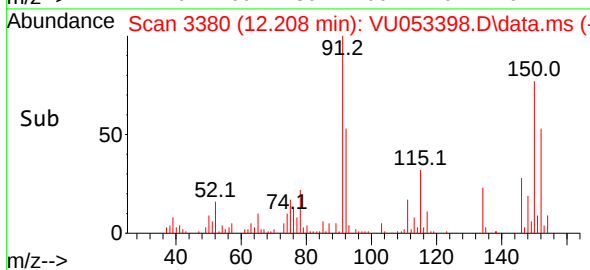
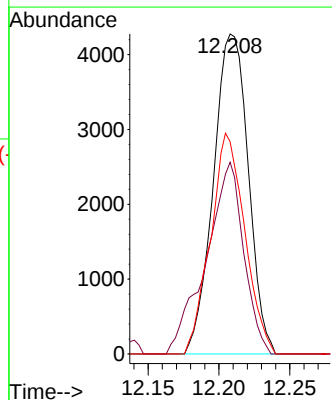
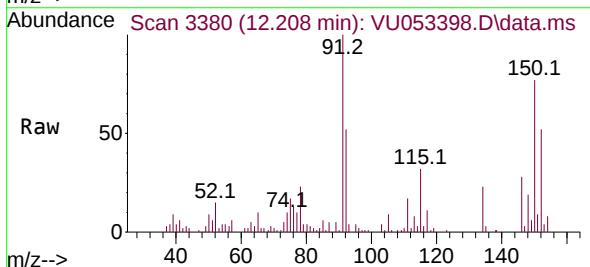
Instrument :
MSVOA_U
ClientSampleId :

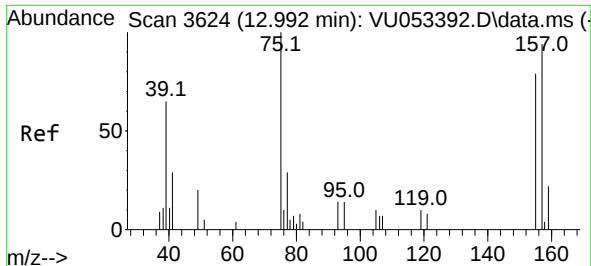
Tgt Ion:146 Resp: 78647
Ion Ratio Lower Upper
146 100
111 43.3 29.8 55.4
148 66.8 43.0 80.0



#67
1,2-Dichlorobenzene
Concen: 0.462 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU053398.D
Acq: 24 Mar 2023 18:24

Tgt Ion:146 Resp: 7328
Ion Ratio Lower Upper
146 100
111 59.9 35.0 52.6#
148 66.3 48.2 72.4





#68

1,2-Dibromo-3-chloropropane

Concen: 3.599 ug/L

RT: 12.967 min Scan# 3

Delta R.T. -0.026 min

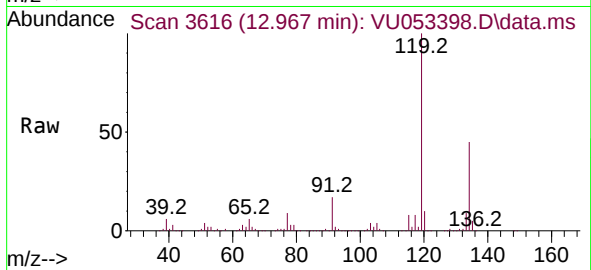
Lab File: VU053398.D

Acq: 24 Mar 2023 18:24

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 3620

Ion Ratio Lower Upper

75 100

155 0.0 63.9 95.9#

157 0.0 74.1 111.1#

