

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020323\
 Data File : VU052952.D
 Acq On : 03 Feb 2023 18:04
 Operator : JC/MD
 Sample : 01412-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 03 23:49:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 23:44:08 2023
 Response via : Initial Calibration

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

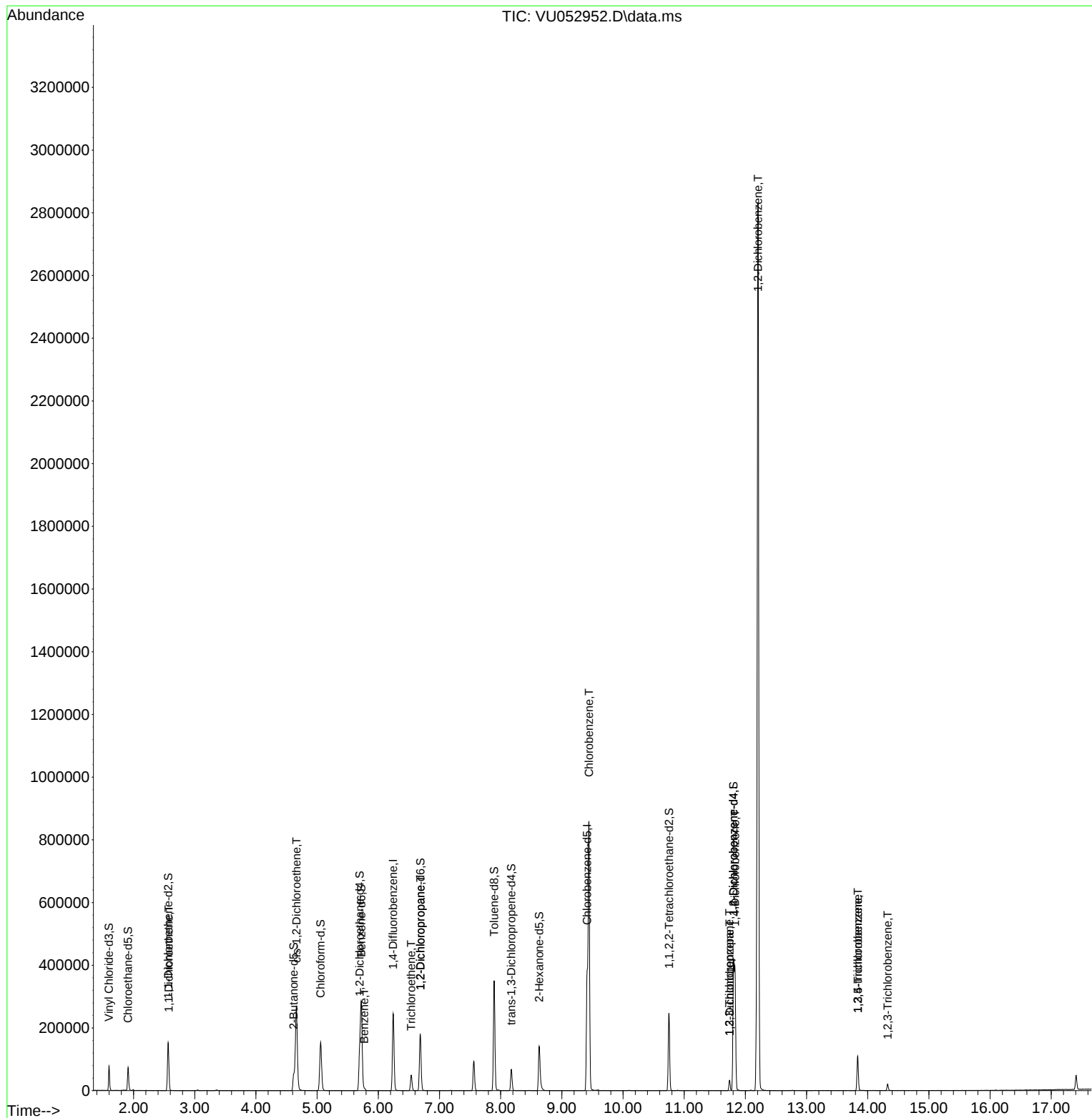
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	200266	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	203355	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	108801	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	55772	38.692	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	77.380%		
7) Chloroethane-d5	1.909	69	57095	48.072	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.140%		
11) 1,1-Dichloroethene-d2	2.565	63	90876	31.698	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.400%		
21) 2-Butanone-d5	4.616	46	72962	81.939	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	81.940%		
24) Chloroform-d	5.057	84	146978	47.778	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.560%		
26) 1,2-Dichloroethane-d4	5.697	65	95799	48.772	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.540%		
32) Benzene-d6	5.722	84	266780	42.940	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.880%		
36) 1,2-Dichloropropane-d6	6.687	67	81812	44.899	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.800%		
41) Toluene-d8	7.893	98	235450	41.618	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.240%		
43) trans-1,3-Dichloroprop...	8.173	79	39719	43.491	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.980%		
47) 2-Hexanone-d5	8.629	63	46326	72.357	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	72.360%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	113781	42.264	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.520%		
66) 1,2-Dichlorobenzene-d4	11.806	152	88024	41.666	ug/L	-0.38
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.340%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.575	96	1033	0.697	ug/L #	1
20) cis-1,2-Dichloroethene	4.661	96	146420	85.657	ug/L	95
33) Benzene	5.771	78	6756	0.976	ug/L	100
34) Trichloroethene	6.536	95	17164	9.755	ug/L	95
37) 1,2-Dichloropropane	6.687	63	9292	5.460	ug/L #	85
51) Chlorobenzene	9.443	112	460666	94.381	ug/L	99
60) 1,2,3-Trichloropropane	11.738	75	3970	1.881	ug/L #	46
64) 1,3-Dichlorobenzene	11.742	146	14422	4.068	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	149258	40.667	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	1130554	315.275	ug/L	99
69) 1,3,5-Trichlorobenzene	13.838	180	36893	14.057	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	36893	16.766	ug/L	96
72) 1,2,3-Trichlorobenzene	14.327	180	7226	3.107	ug/L #	92

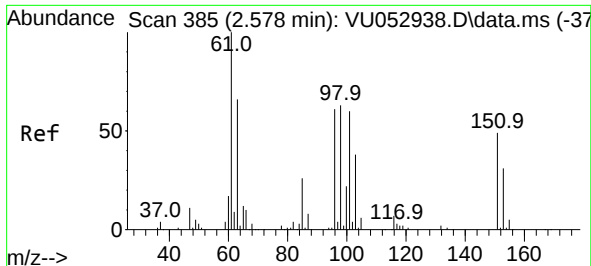
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.697 ug/L

RT: 2.575 min Scan# 385

Delta R.T. -0.003 min

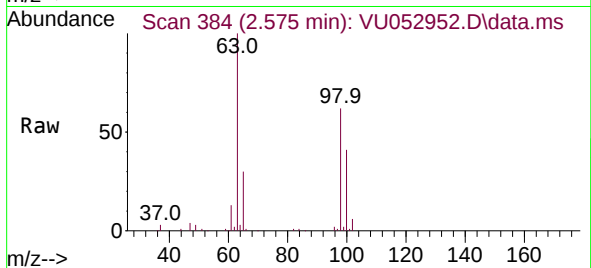
Lab File: VU052952.D

Acq: 03 Feb 2023 18:04

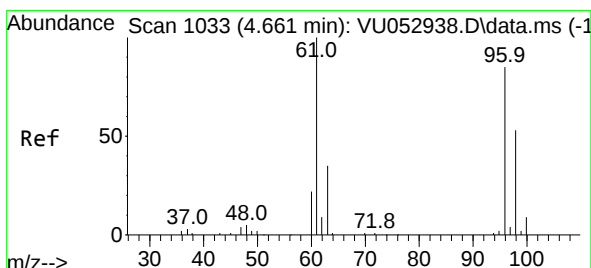
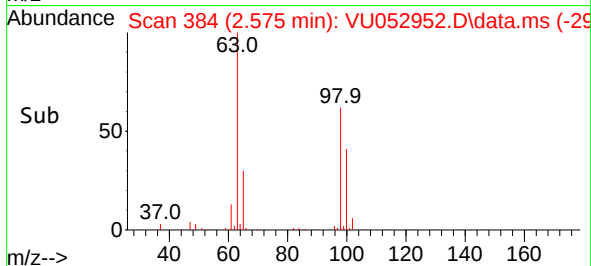
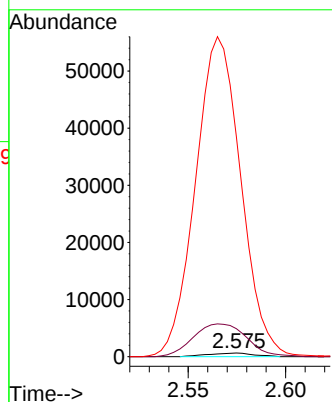
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	96	Resp:	1033
Ion Ratio	Lower	Upper	
96	100		
61	774.0	114.3	212.3#
63	6069.9	80.6	149.6#



#20

cis-1,2-Dichloroethene

Concen: 85.657 ug/L

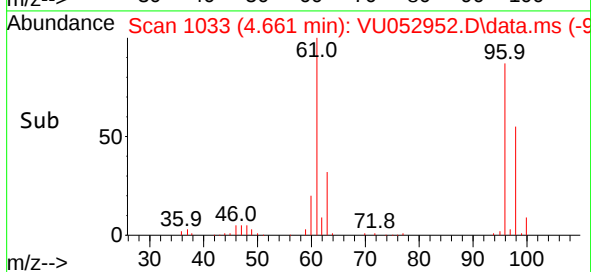
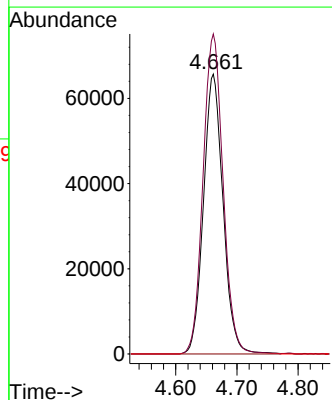
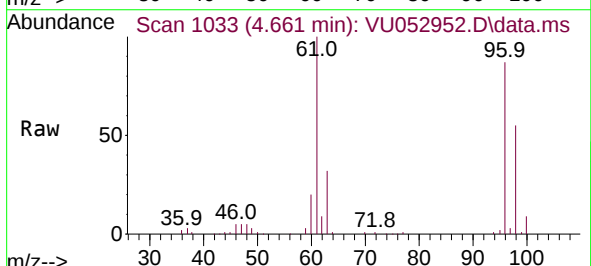
RT: 4.661 min Scan# 1033

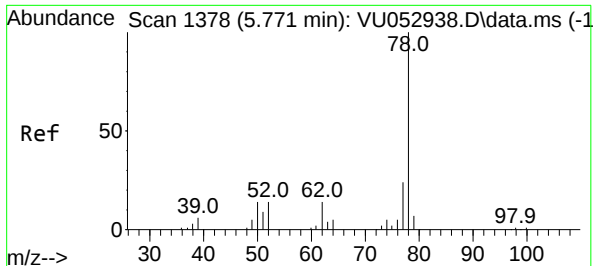
Delta R.T. 0.000 min

Lab File: VU052952.D

Acq: 03 Feb 2023 18:04

Tgt Ion:	96	Resp:	146420
Ion Ratio	Lower	Upper	
96	100		
61	114.3	84.1	156.1
68	0.0	0.0	0.0

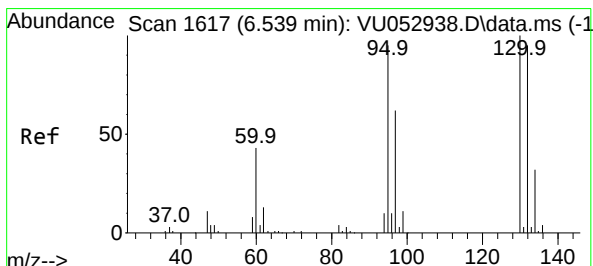
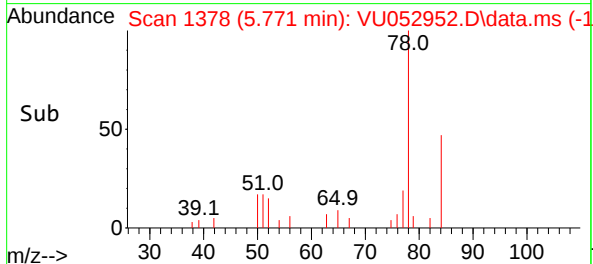
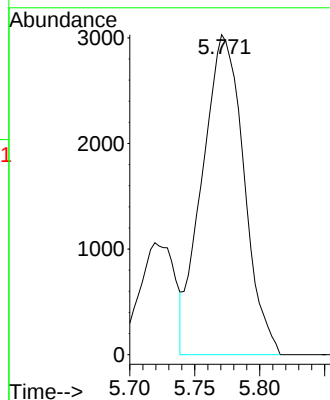
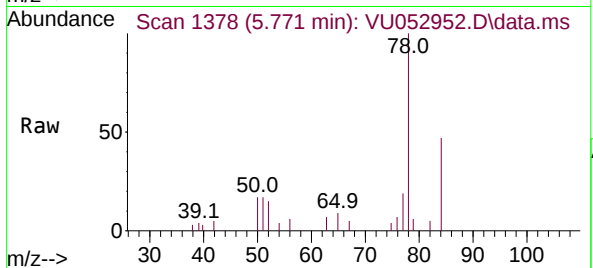




#33
Benzene
Concen: 0.976 ug/L
RT: 5.771 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052952.D
Acq: 03 Feb 2023 18:04

Instrument :
MSVOA_U
ClientSampleId :

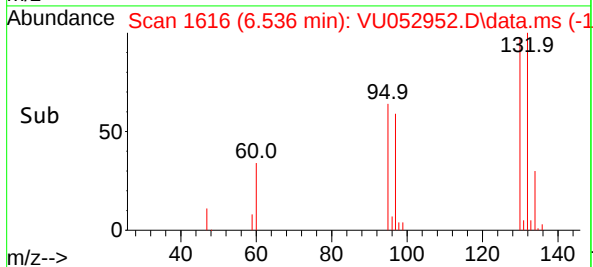
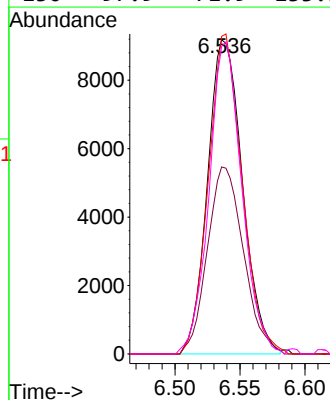
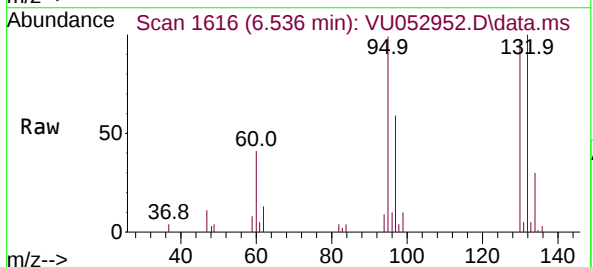
Tgt Ion: 78 Resp: 6756

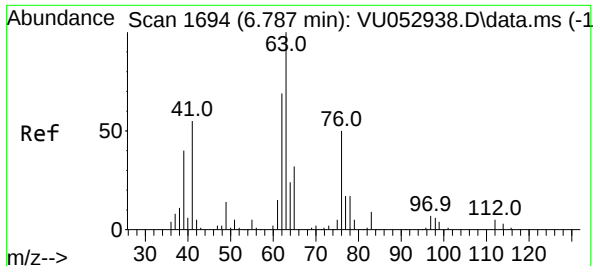


#34
Trichloroethene
Concen: 9.755 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU052952.D
Acq: 03 Feb 2023 18:04

Tgt Ion: 95 Resp: 17164

Ion	Ratio	Lower	Upper
95	100		
97	59.5	44.5	82.7
132	101.1	66.8	124.0
130	97.9	71.9	133.5





#37

1,2-Dichloropropane

Concen: 5.460 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU052952.D

Acq: 03 Feb 2023 18:04

Instrument :

MSVOA_U

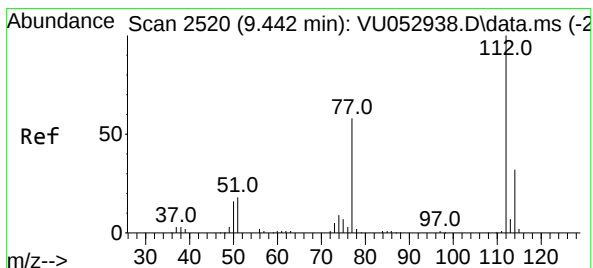
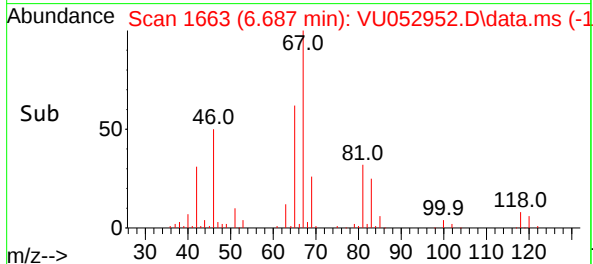
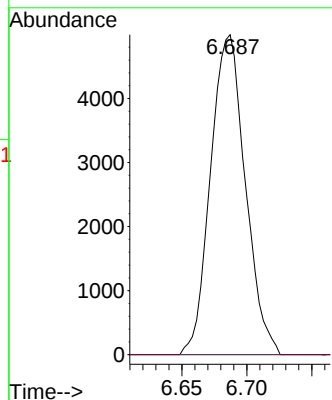
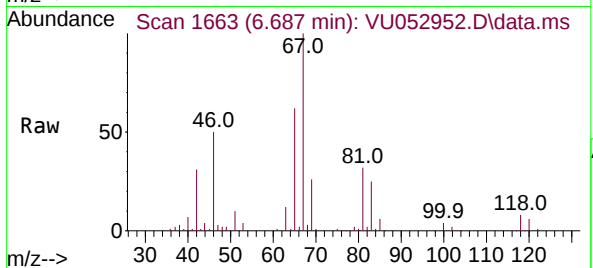
ClientSampleId :

Tgt Ion: 63 Resp: 9292

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#51

Chlorobenzene

Concen: 94.381 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052952.D

Acq: 03 Feb 2023 18:04

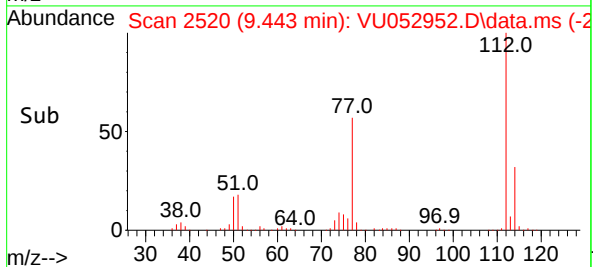
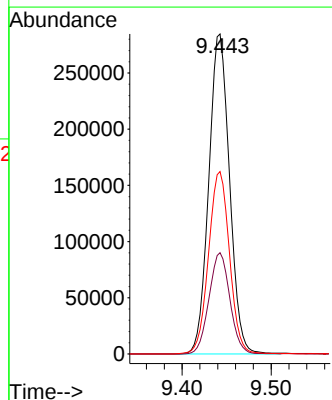
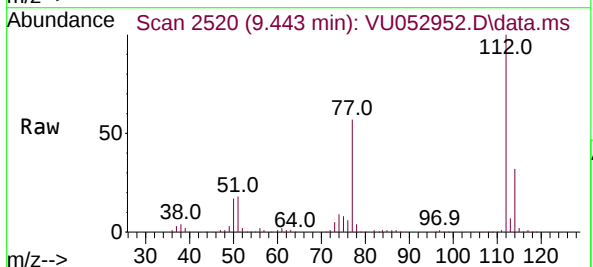
Tgt Ion: 112 Resp: 460666

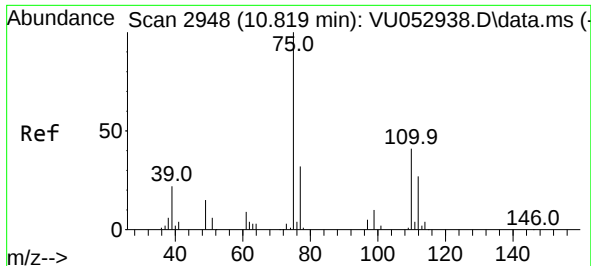
Ion Ratio Lower Upper

112 100

114 31.7 22.8 42.4

77 57.0 45.9 68.9

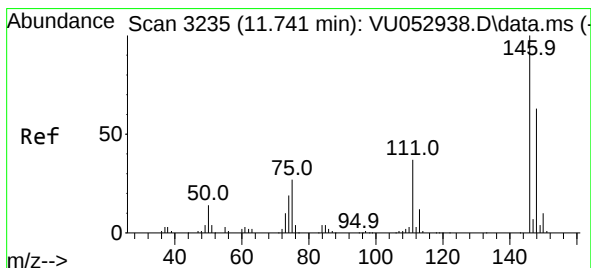
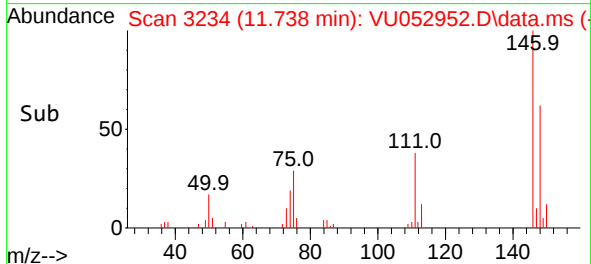
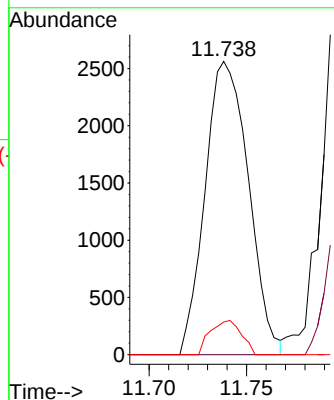
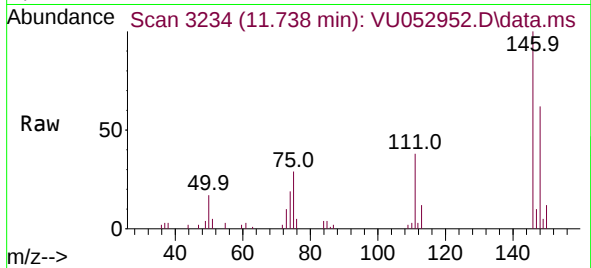




#60
1,2,3-Trichloropropane
Concen: 1.881 ug/L
RT: 11.738 min Scan# 31
Delta R.T. 0.920 min
Lab File: VU052952.D
Acq: 03 Feb 2023 18:04

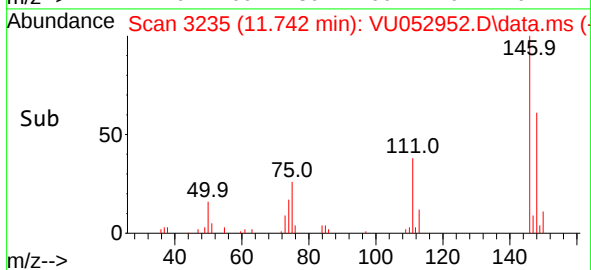
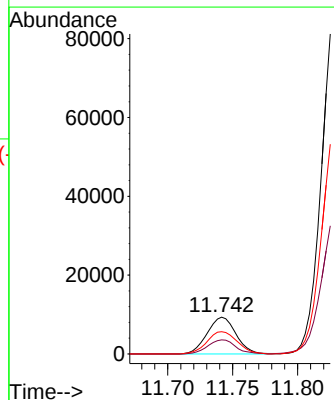
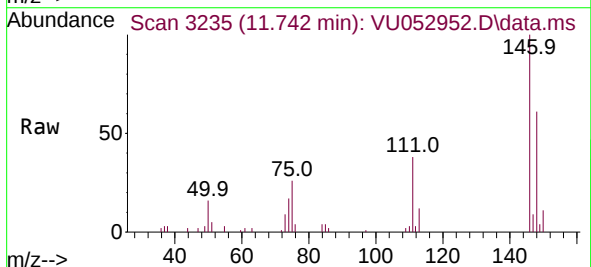
Instrument :
MSVOA_U
ClientSampleId :

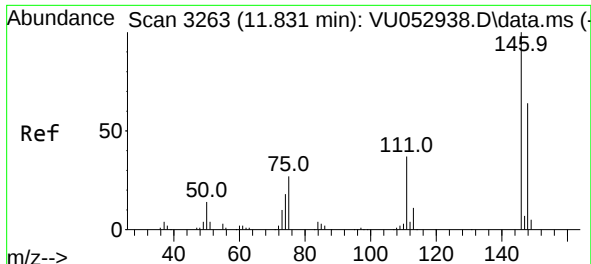
Tgt Ion: 75 Resp: 3970
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.8#
110 8.4 32.4 48.6#



#64
1,3-Dichlorobenzene
Concen: 4.068 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU052952.D
Acq: 03 Feb 2023 18:04

Tgt Ion: 146 Resp: 14422
Ion Ratio Lower Upper
146 100
111 40.9 27.8 51.6
148 60.6 45.5 84.5

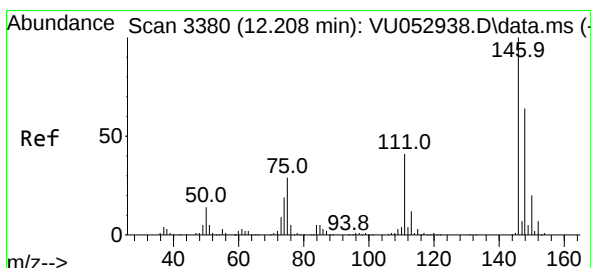
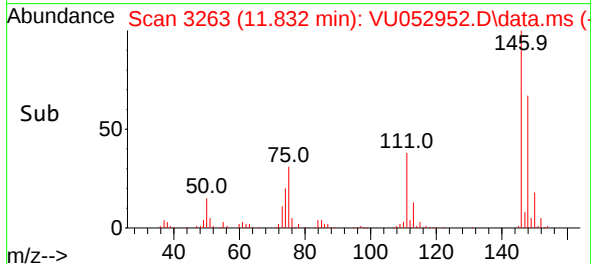
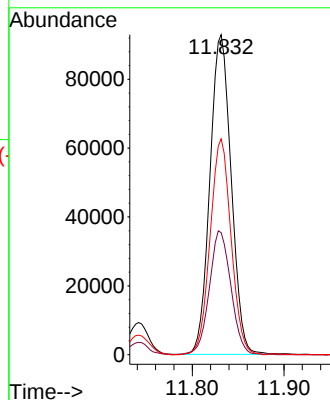
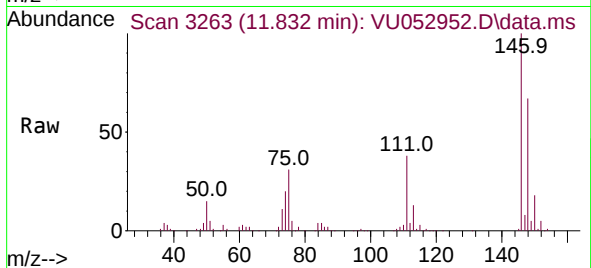




#65
1,4-Dichlorobenzene
Concen: 40.667 ug/L
RT: 11.832 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052952.D
Acq: 03 Feb 2023 18:04

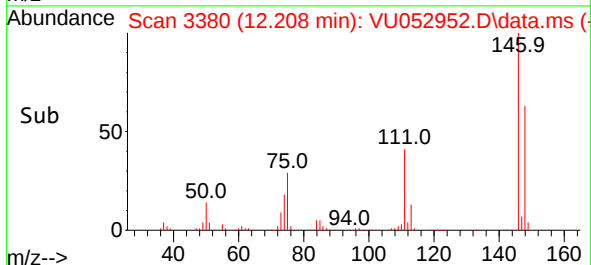
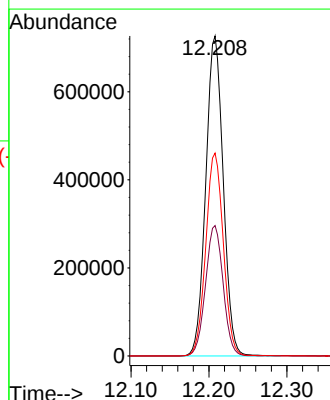
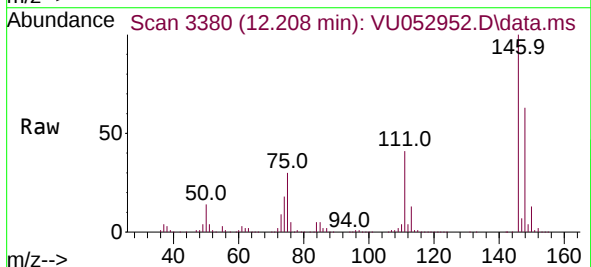
Instrument :
MSVOA_U
ClientSampleId :

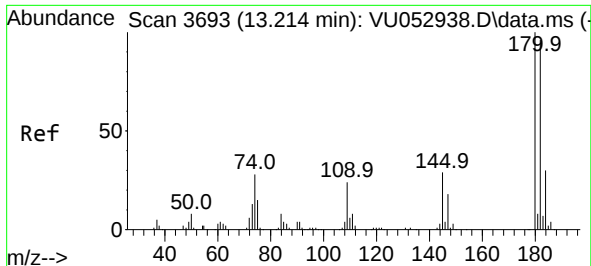
Tgt Ion:146 Resp: 149258
Ion Ratio Lower Upper
146 100
111 38.1 26.7 49.7
148 67.4 45.6 84.6



#67
1,2-Dichlorobenzene
Concen: 315.275 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU052952.D
Acq: 03 Feb 2023 18:04

Tgt Ion:146 Resp: 1130554
Ion Ratio Lower Upper
146 100
111 40.7 33.2 49.8
148 63.4 50.2 75.4





#69

1,3,5-Trichlorobenzene

Concen: 14.057 ug/L

RT: 13.838 min Scan# 3693

Delta R.T. 0.624 min

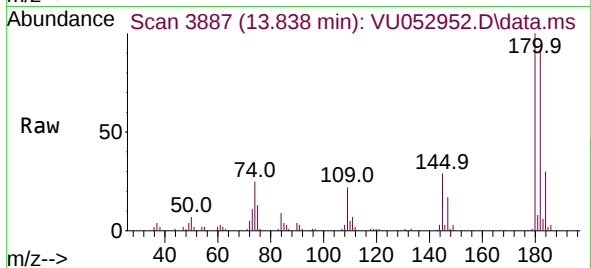
Lab File: VU052952.D

Acq: 03 Feb 2023 18:04

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 36893

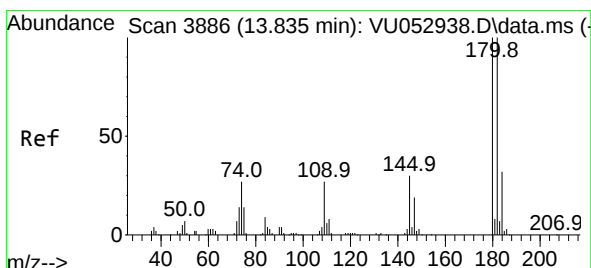
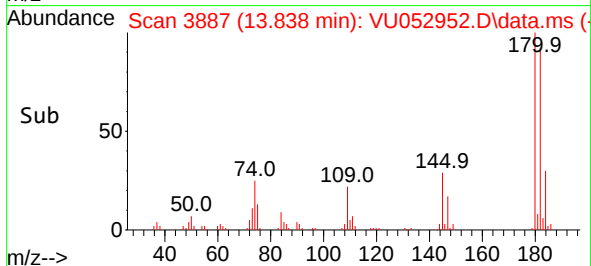
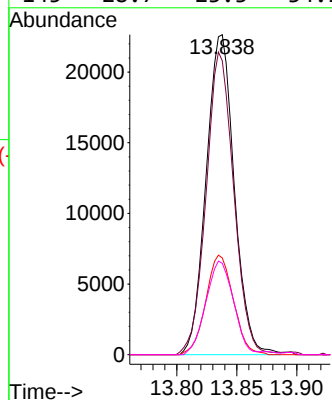
Ion Ratio Lower Upper

180 100

182 92.7 77.0 115.6

184 30.4 24.4 36.6

145 28.7 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 16.766 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU052952.D

Acq: 03 Feb 2023 18:04

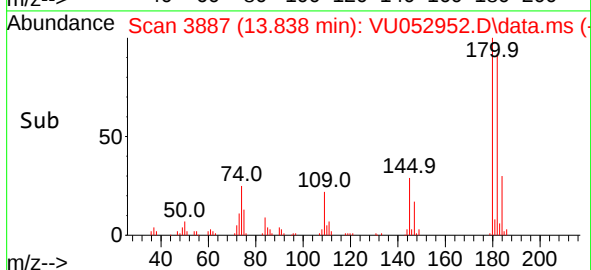
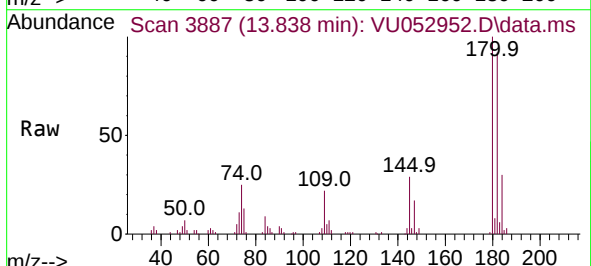
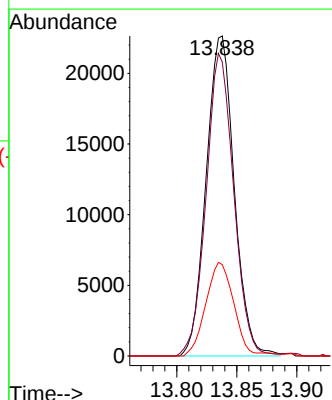
Tgt Ion:180 Resp: 36893

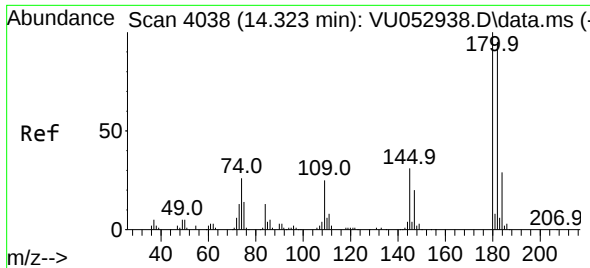
Ion Ratio Lower Upper

180 100

182 92.7 78.2 117.2

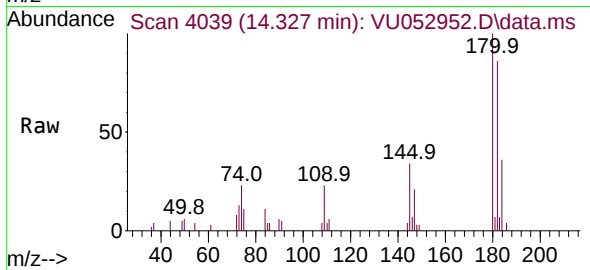
145 28.7 23.4 35.2





#72
 1,2,3-Trichlorobenzene
 Concen: 3.107 ug/L
 RT: 14.327 min Scan# 4038
 Delta R.T. 0.003 min
 Lab File: VU052952.D
 Acq: 03 Feb 2023 18:04

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 7226
 Ion Ratio Lower Upper
 180 100
 182 90.8 77.5 116.3
 145 37.3 24.2 36.4#

