

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020323\
 Data File : VU052943.D
 Acq On : 03 Feb 2023 14:28
 Operator : JC/MD
 Sample : 01381-22
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 03 23:46:19 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)

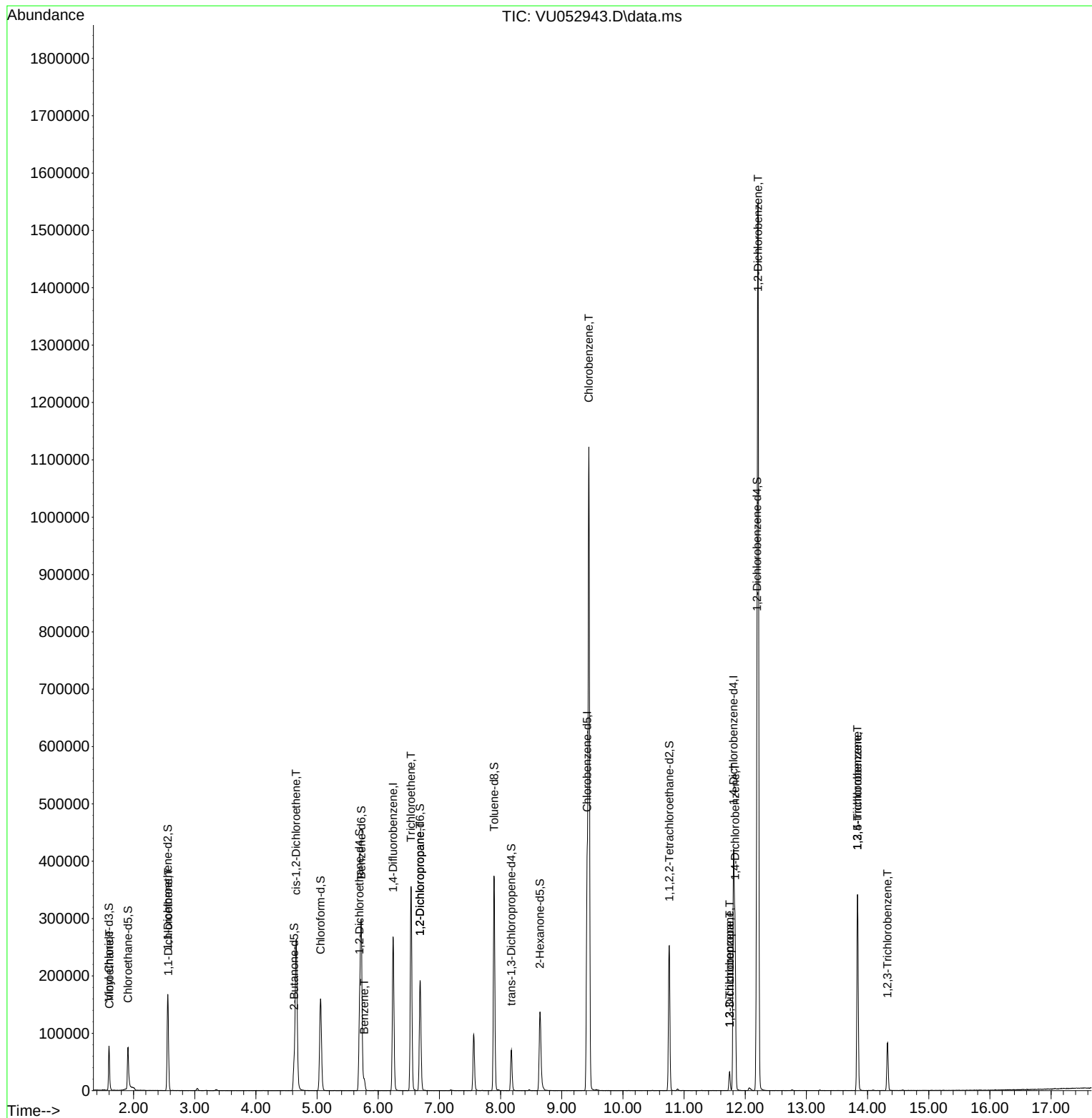
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	220964	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	214188	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	109681	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	60300	37.915	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	75.840%		
7) Chloroethane-d5	1.909	69	58453	44.605	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.220%		
11) 1,1-Dichloroethene-d2	2.559	63	98639	31.183	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.360%		
21) 2-Butanone-d5	4.626	46	74228	75.552	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	75.550%		
24) Chloroform-d	5.057	84	151118	44.522	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.040%		
26) 1,2-Dichloroethane-d4	5.694	65	101828	46.985	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.960%		
32) Benzene-d6	5.723	84	281215	42.974	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.940%		
36) 1,2-Dichloropropane-d6	6.684	67	86593	45.119	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.240%		
41) Toluene-d8	7.893	98	244693	41.065	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.120%		
43) trans-1,3-Dichloroprop...	8.176	79	41037	42.661	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.320%		
47) 2-Hexanone-d5	8.642	63	50898	75.477	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	75.480%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	119638	42.192	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.380%		
66) 1,2-Dichlorobenzene-d4	12.192	152	110403	51.840	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.680%		
Target Compounds						Qvalue
8) Chloroethane	1.604	64	1259	1.062	ug/L #	1
12) 1,1-Dichloroethene	2.568	96	1103	0.675	ug/L #	1
20) cis-1,2-Dichloroethene	4.658	96	138586	73.480	ug/L	100
33) Benzene	5.771	78	17970	2.465	ug/L	100
34) Trichloroethene	6.536	95	118261	63.816	ug/L	98
37) 1,2-Dichloropropane	6.684	63	9302	5.189	ug/L #	85
51) Chlorobenzene	9.443	112	613090	119.256	ug/L	97
60) 1,2,3-Trichloropropane	11.745	75	3935	1.850	ug/L #	46
64) 1,3-Dichlorobenzene	11.745	146	14044	3.930	ug/L	93
65) 1,4-Dichlorobenzene	11.835	146	113449	30.663	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	587988	162.655	ug/L	99
69) 1,3,5-Trichlorobenzene	13.835	180	113852	43.031	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	113852	51.325	ug/L	96
72) 1,2,3-Trichlorobenzene	14.327	180	27980	11.935	ug/L	97

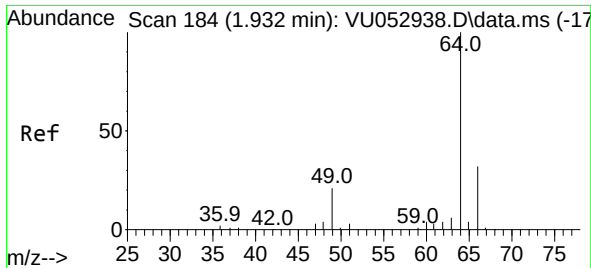
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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#8

Chloroethane

Concen: 1.062 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.328 min

Lab File: VU052943.D

Acq: 03 Feb 2023 14:28

Instrument :

MSVOA_U

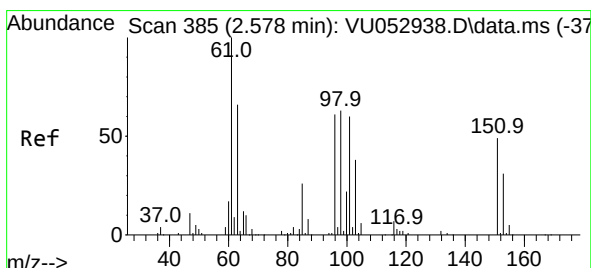
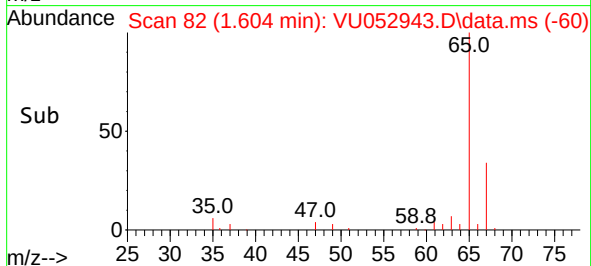
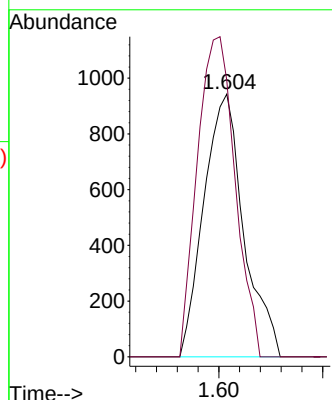
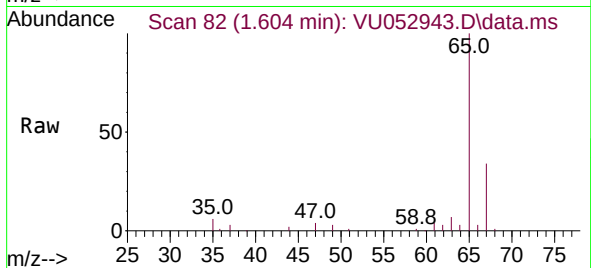
ClientSampleId :

Tgt Ion: 64 Resp: 1259

Ion Ratio Lower Upper

64 100

66 105.3 24.1 44.7#



#12

1,1-Dichloroethene

Concen: 0.675 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.009 min

Lab File: VU052943.D

Acq: 03 Feb 2023 14:28

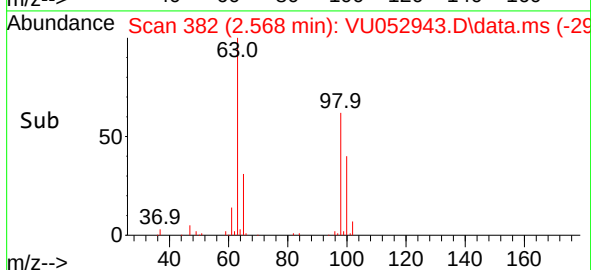
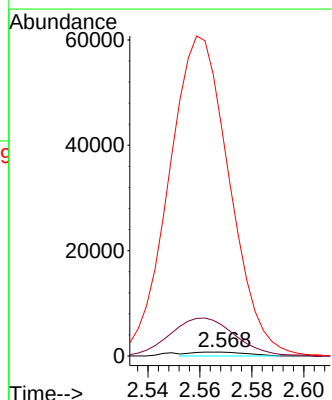
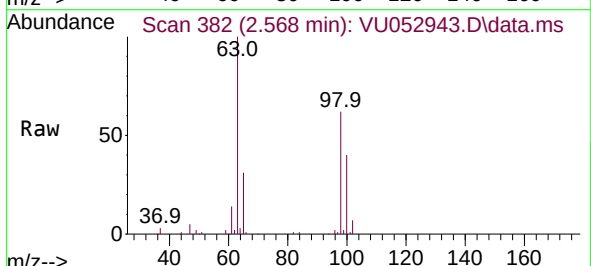
Tgt Ion: 96 Resp: 1103

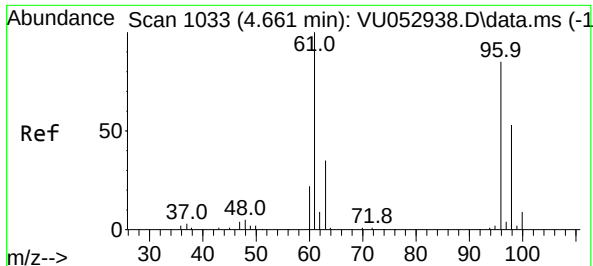
Ion Ratio Lower Upper

96 100

61 799.5 114.3 212.3#

63 5873.9 80.6 149.6#





#20

cis-1,2-Dichloroethene

Concen: 73.480 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU052943.D

Acq: 03 Feb 2023 14:28

Instrument :

MSVOA_U

ClientSampleId :

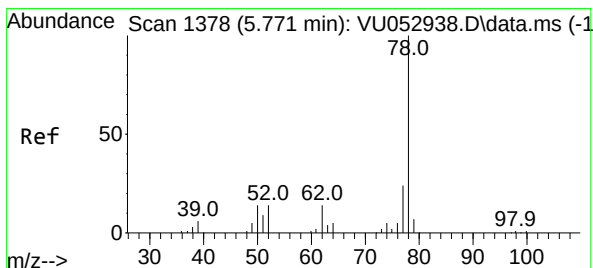
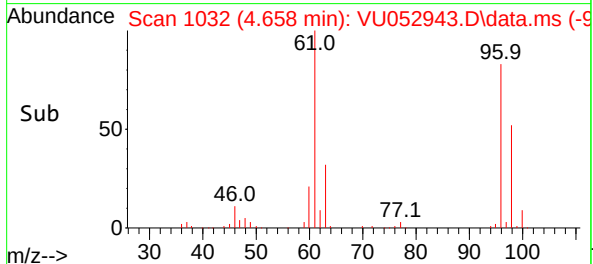
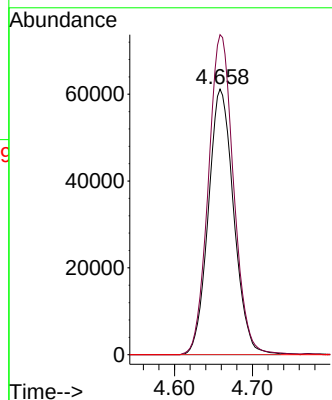
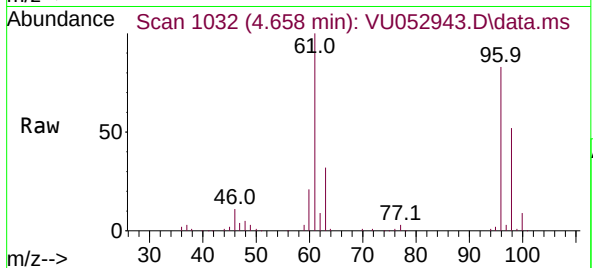
Tgt Ion: 96 Resp: 138586

Ion Ratio Lower Upper

96 100

61 120.5 84.1 156.1

68 0.0 0.0 0.0



#33

Benzene

Concen: 2.465 ug/L

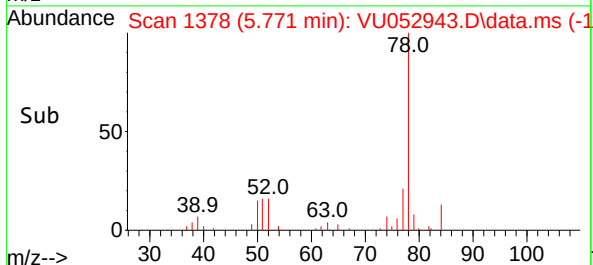
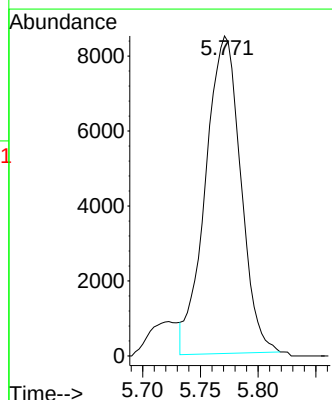
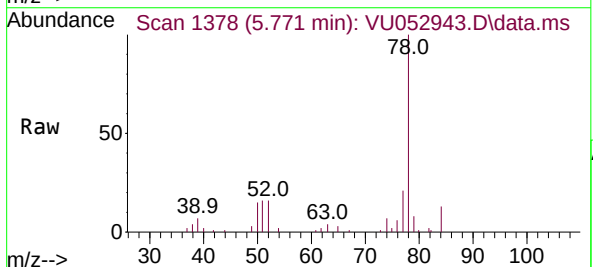
RT: 5.771 min Scan# 1378

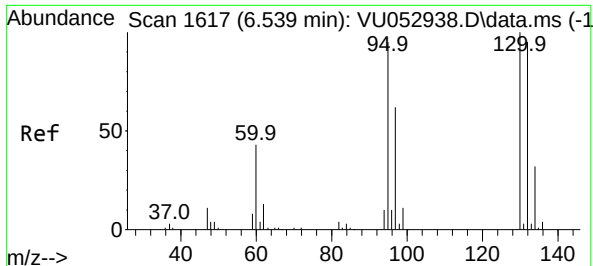
Delta R.T. 0.000 min

Lab File: VU052943.D

Acq: 03 Feb 2023 14:28

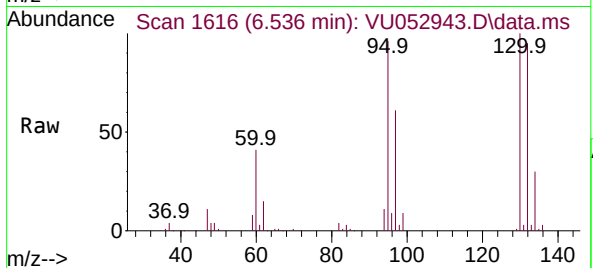
Tgt Ion: 78 Resp: 17970



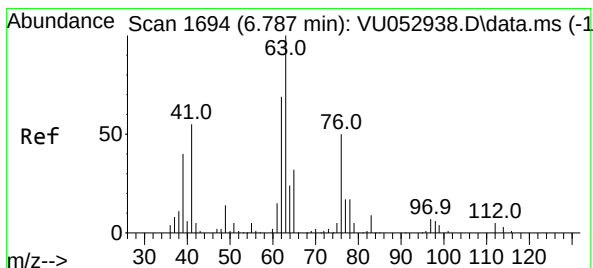
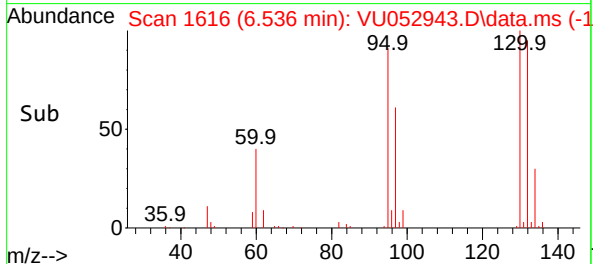
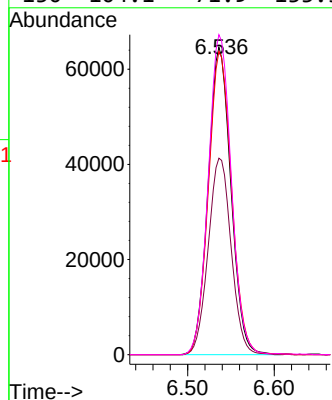


#34
Trichloroethene
Concen: 63.816 ug/L
RT: 6.536 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052943.D
Acq: 03 Feb 2023 14:28

Instrument :
MSVOA_U
ClientSampleId :

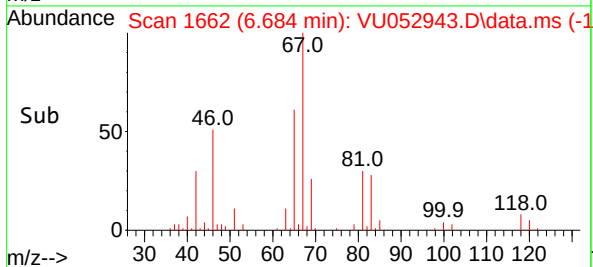
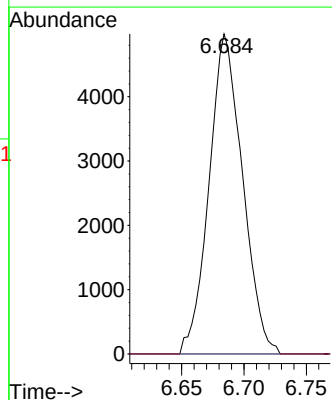
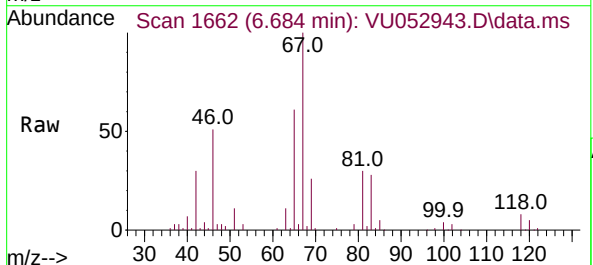


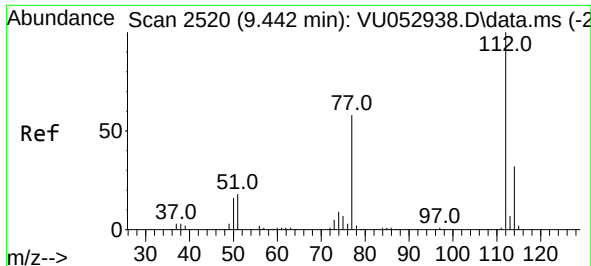
Tgt Ion: 95 Resp: 118261
Ion Ratio Lower Upper
95 100
97 63.9 44.5 82.7
132 98.7 66.8 124.0
130 104.1 71.9 133.5



#37
1,2-Dichloropropane
Concen: 5.189 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.103 min
Lab File: VU052943.D
Acq: 03 Feb 2023 14:28

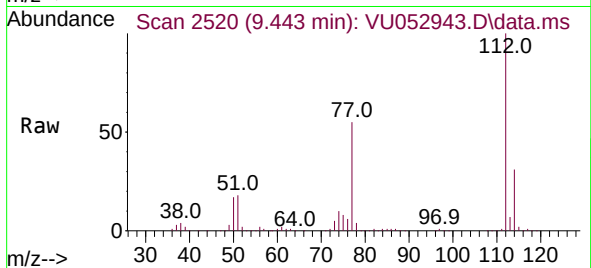
Tgt Ion: 63 Resp: 9302
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



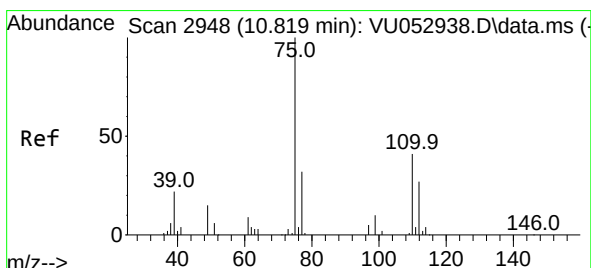
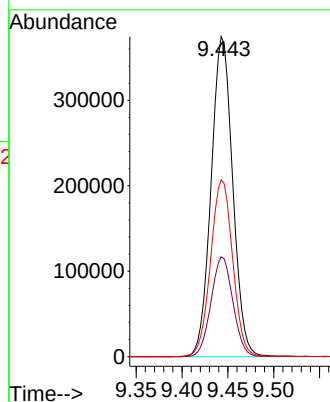
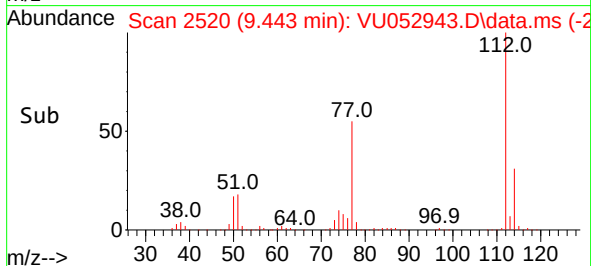


#51
Chlorobenzene
Concen: 119.256 ug/L
RT: 9.443 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052943.D
Acq: 03 Feb 2023 14:28

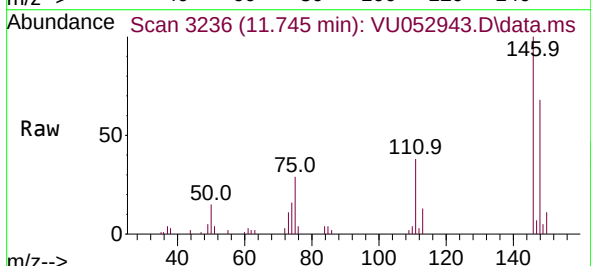
Instrument :
MSVOA_U
ClientSampleId :



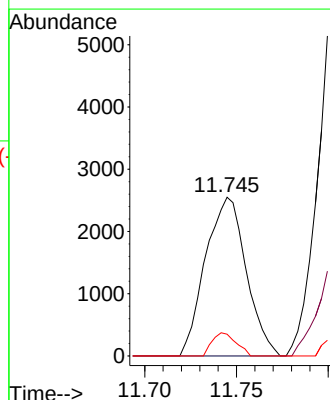
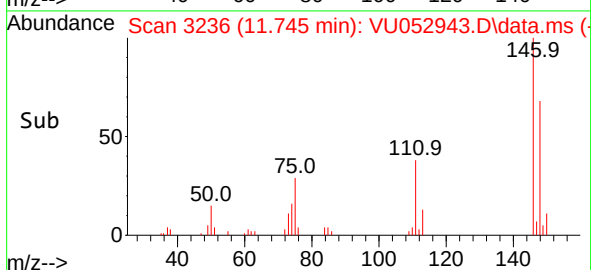
Tgt Ion:112 Resp: 613090
Ion Ratio Lower Upper
112 100
114 31.2 22.8 42.4
77 55.3 45.9 68.9

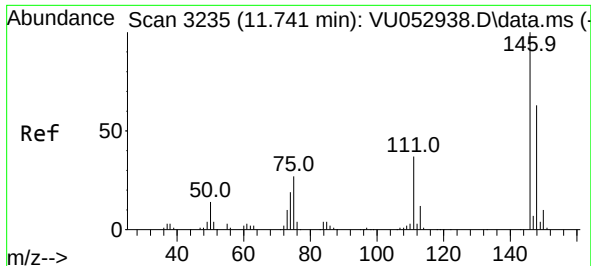


#60
1,2,3-Trichloropropane
Concen: 1.850 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.926 min
Lab File: VU052943.D
Acq: 03 Feb 2023 14:28



Tgt Ion: 75 Resp: 3935
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.8#
110 8.6 32.4 48.6#

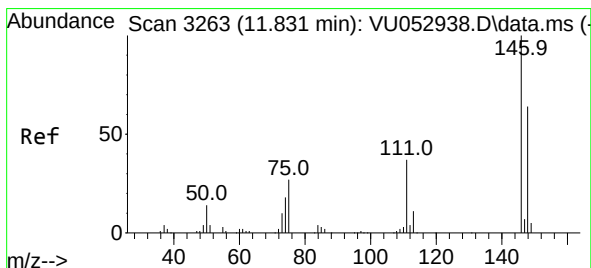
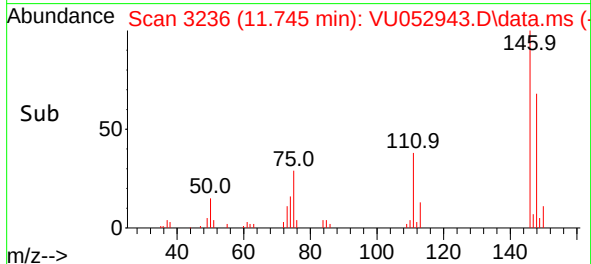
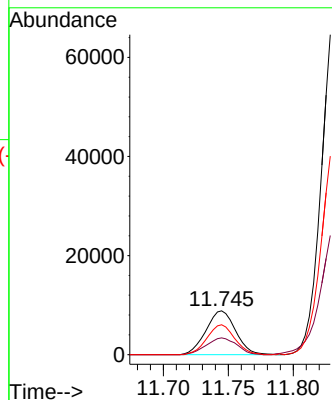
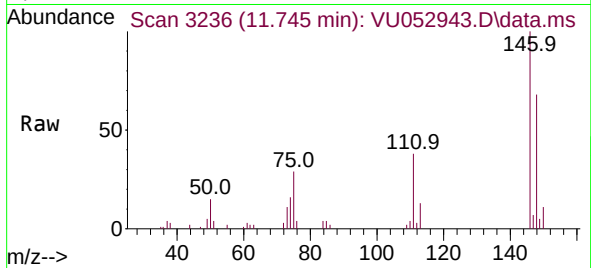




#64
1,3-Dichlorobenzene
Concen: 3.930 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU052943.D
Acq: 03 Feb 2023 14:28

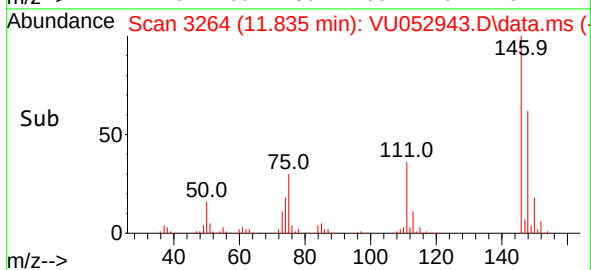
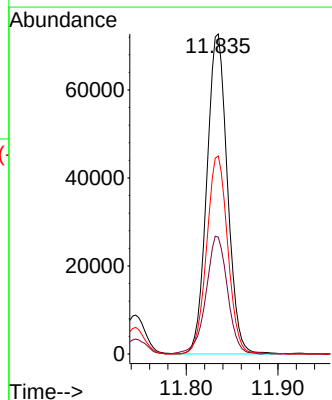
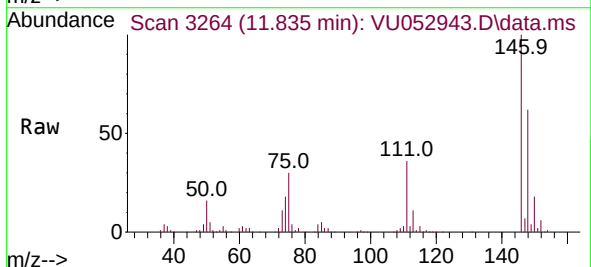
Instrument :
MSVOA_U
ClientSampleId :

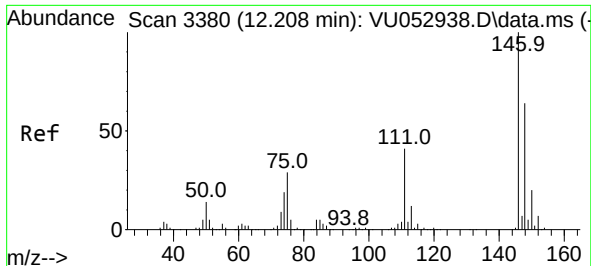
Tgt Ion:146 Resp: 14044
Ion Ratio Lower Upper
146 100
111 38.4 27.8 51.6
148 73.4 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 30.663 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU052943.D
Acq: 03 Feb 2023 14:28

Tgt Ion:146 Resp: 113449
Ion Ratio Lower Upper
146 100
111 36.5 26.7 49.7
148 61.8 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 162.655 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052943.D

Acq: 03 Feb 2023 14:28

Instrument :

MSVOA_U

ClientSampleId :

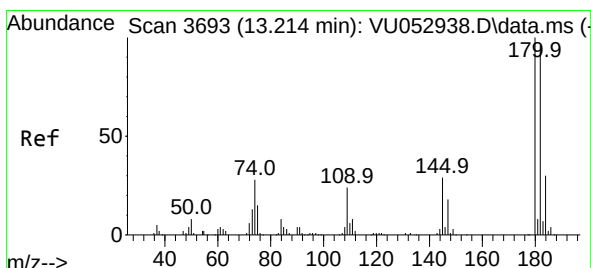
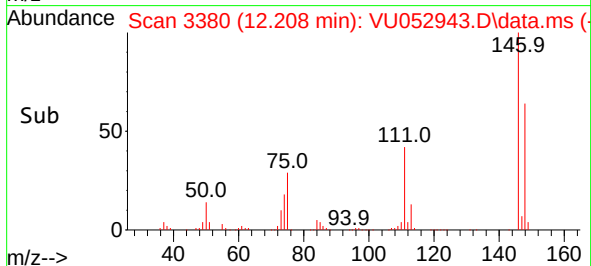
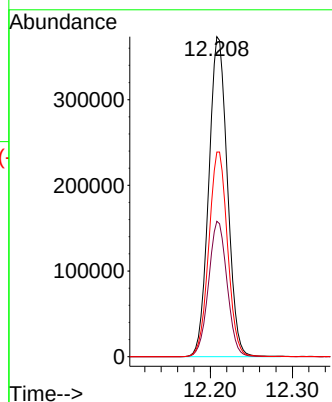
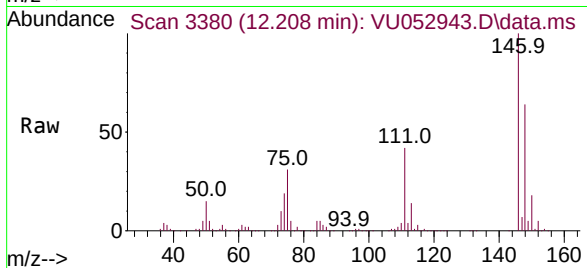
Tgt Ion:146 Resp: 587988

Ion Ratio Lower Upper

146 100

111 42.3 33.2 49.8

148 64.0 50.2 75.4



#69

1,3,5-Trichlorobenzene

Concen: 43.031 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.621 min

Lab File: VU052943.D

Acq: 03 Feb 2023 14:28

Tgt Ion:180 Resp: 113852

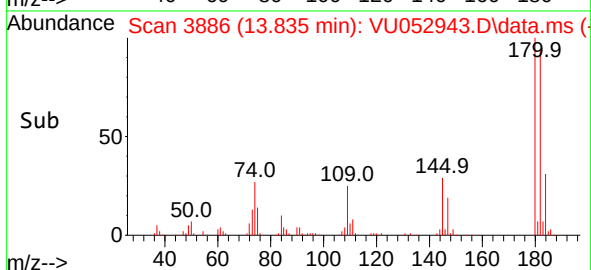
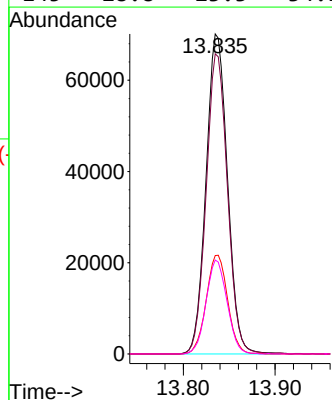
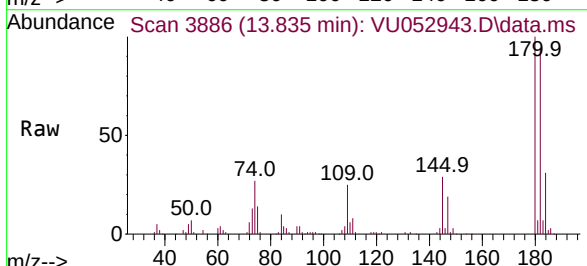
Ion Ratio Lower Upper

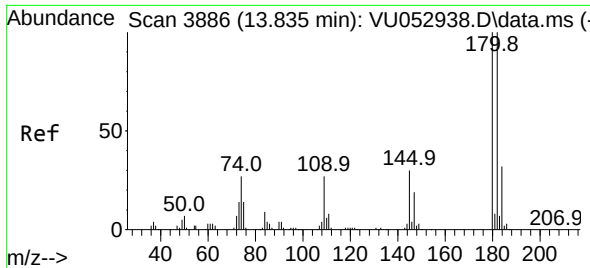
180 100

182 93.1 77.0 115.6

184 30.8 24.4 36.6

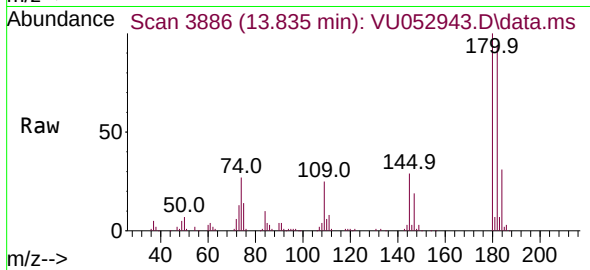
145 28.8 23.3 34.9



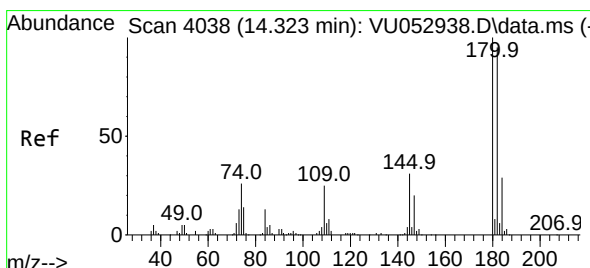
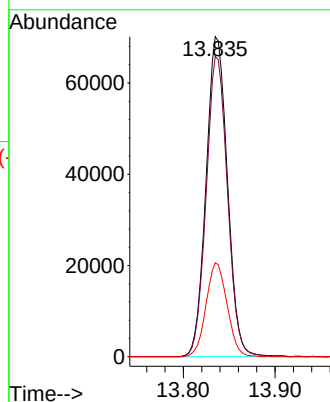
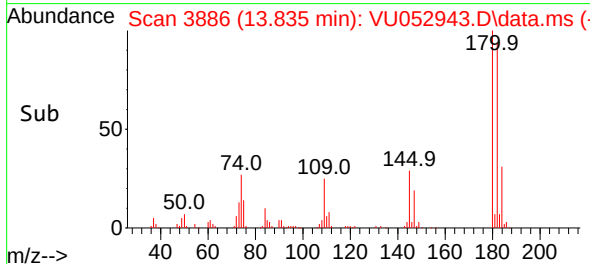


#70
1,2,4-trichlorobenzene
Concen: 51.325 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.000 min
Lab File: VU052943.D
Acq: 03 Feb 2023 14:28

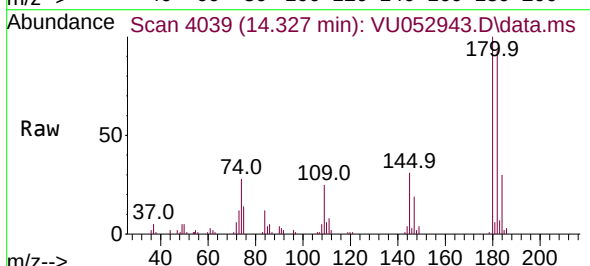
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:180 Resp: 113852
Ion Ratio Lower Upper
180 100
182 93.1 78.2 117.2
145 28.8 23.4 35.2



#72
1,2,3-Trichlorobenzene
Concen: 11.935 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU052943.D
Acq: 03 Feb 2023 14:28



Tgt Ion:180 Resp: 27980
Ion Ratio Lower Upper
180 100
182 93.7 77.5 116.3
145 29.3 24.2 36.4

