

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112822\
 Data File : VU052144.D
 Acq On : 28 Nov 2022 13:43
 Operator : JC/MD
 Sample : N5785-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COL70

Quant Time: Nov 28 21:45:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 28 21:44:47 2022
 Response via : Initial Calibration

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

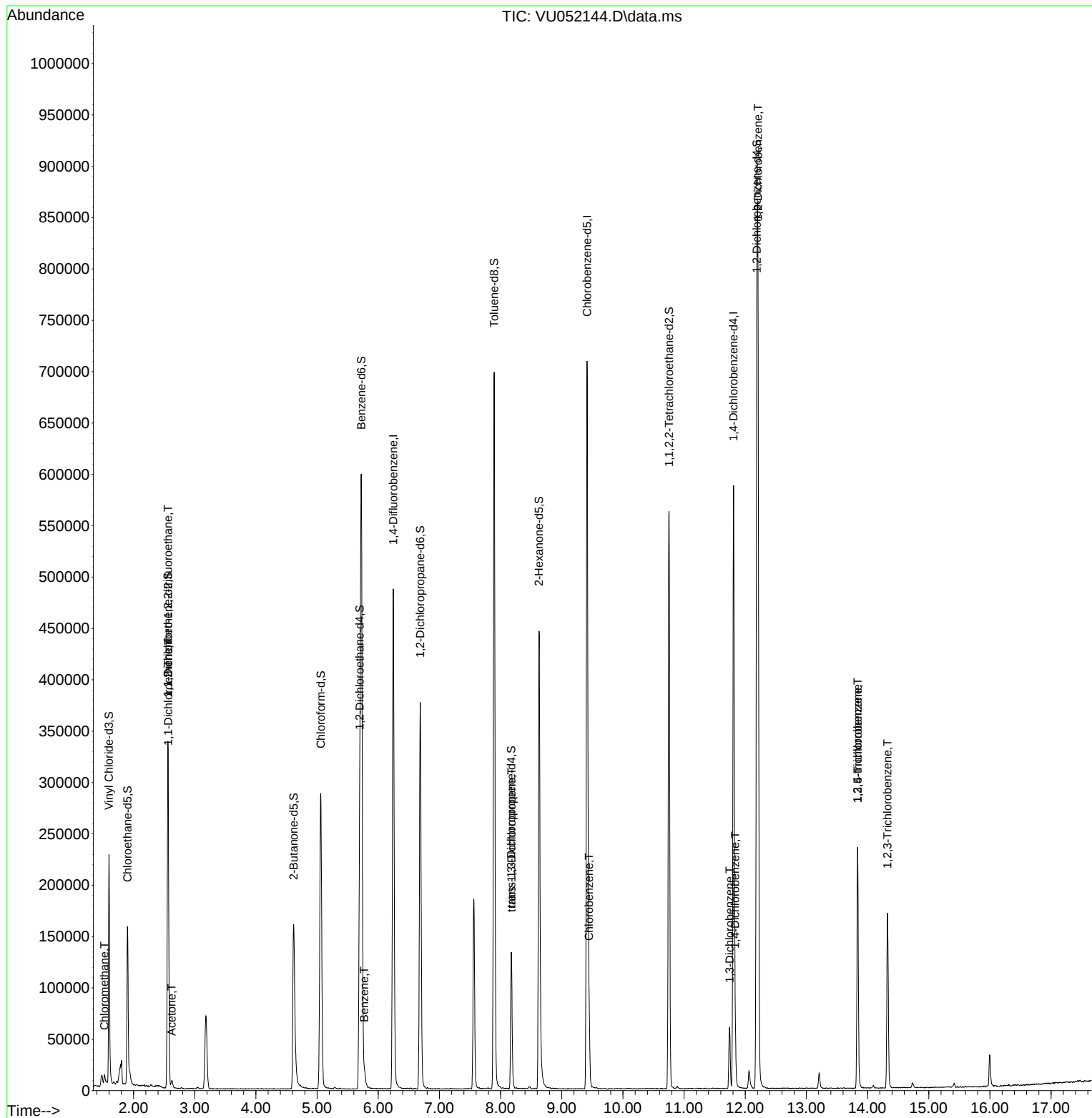
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	405918	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	405402	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	162977	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	166320	47.283	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.560%		
7) Chloroethane-d5	1.900	69	137970	49.526	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.060%		
11) 1,1-Dichloroethene-d2	2.562	63	200238	38.403	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.800%		
21) 2-Butanone-d5	4.617	46	218264	103.257	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.260%		
24) Chloroform-d	5.060	84	276060	47.900	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.800%		
26) 1,2-Dichloroethane-d4	5.697	65	171284	49.414	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.820%		
32) Benzene-d6	5.723	84	583932	48.324	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.640%		
36) 1,2-Dichloropropane-d6	6.687	67	190976	49.195	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.380%		
41) Toluene-d8	7.896	98	480808	44.534	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.060%		
43) trans-1,3-Dichloroprop...	8.176	79	76202	46.111	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.220%		
47) 2-Hexanone-d5	8.629	63	153022	101.048	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.050%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	288464	46.969	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.940%		
66) 1,2-Dichlorobenzene-d4	12.189	152	173181	51.385	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.760%		
Target Compounds						Qvalue
3) Chloromethane	1.523	50	6745	2.160	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	2093	0.850	ug/L #	20
12) 1,1-Dichloroethene	2.568	96	1552	0.660	ug/L #	1
13) Acetone	2.623	43	7681	3.978	ug/L	99
33) Benzene	5.771	78	12059	1.004	ug/L	100
44) trans-1,3-Dichloropropene	8.179	75	3081	0.726	ug/L #	76
51) Chlorobenzene	9.446	112	46185	5.656	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	26186	5.432	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	20937	4.262	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	273384	54.125	ug/L	97
69) 1,3,5-Trichlorobenzene	13.838	180	74982	23.298	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	74982	29.004	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	57654	20.585	ug/L	99

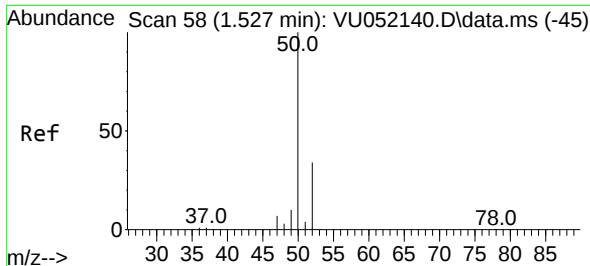
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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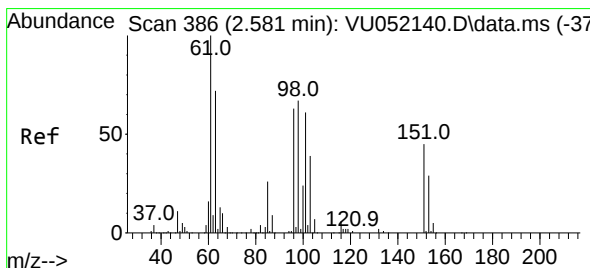
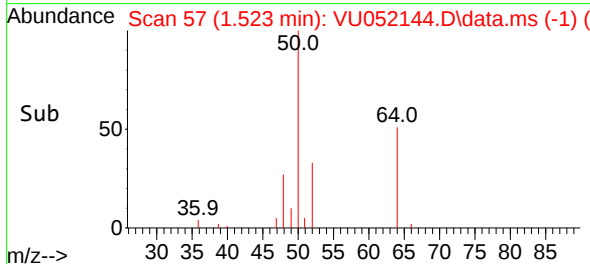
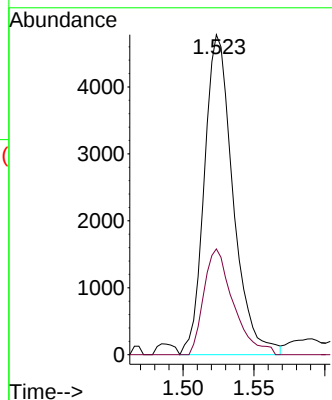
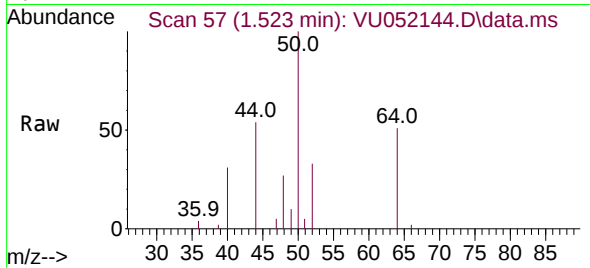




#3
Chloromethane
Concen: 2.160 ug/L
RT: 1.523 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU052144.D
Acq: 28 Nov 2022 13:43

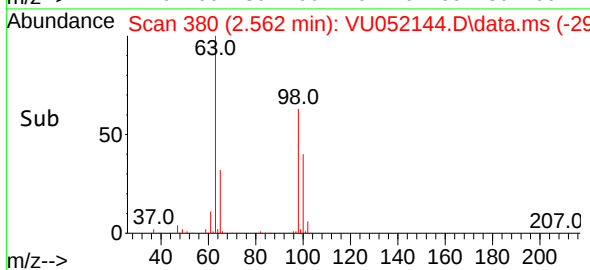
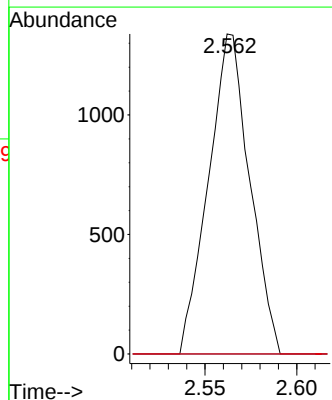
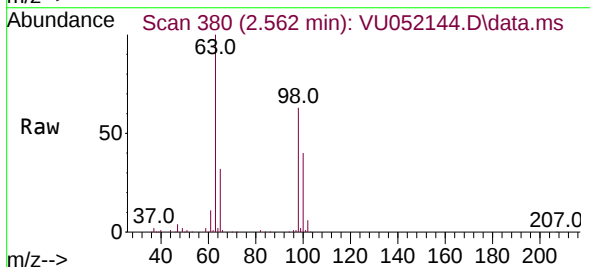
Instrument :
MSVOA_U
ClientSampleId :
COL70

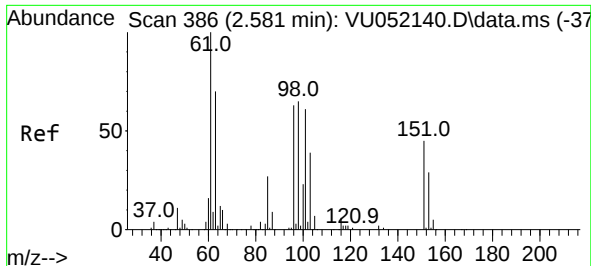
Tgt Ion: 50 Resp: 6745
Ion Ratio Lower Upper
50 100
52 33.1 23.1 42.9



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.850 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.019 min
Lab File: VU052144.D
Acq: 28 Nov 2022 13:43

Tgt Ion: 101 Resp: 2093
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 0.0 58.9 88.3#





#12

1,1-Dichloroethene

Concen: 0.660 ug/L

RT: 2.568 min Scan# 386

Delta R.T. -0.013 min

Lab File: VU052144.D

Acq: 28 Nov 2022 13:43

Instrument :

MSVOA_U

ClientSampleId :

COL70

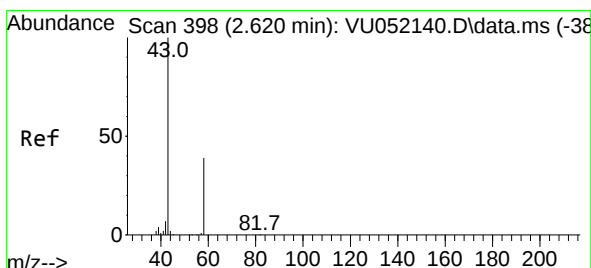
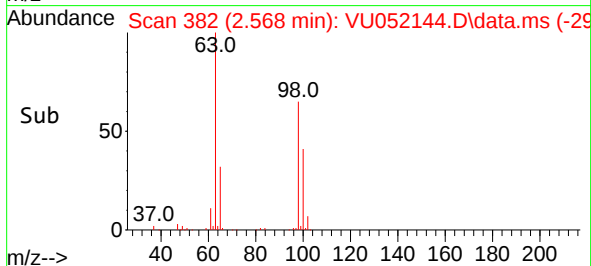
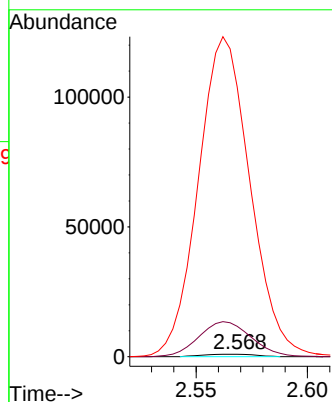
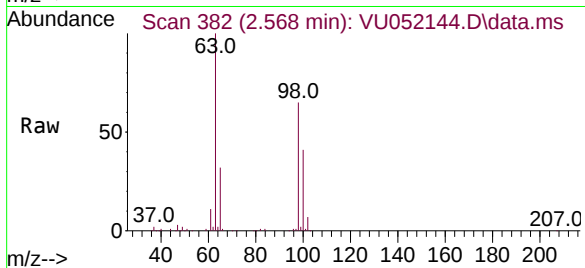
Tgt Ion: 96 Resp: 1552

Ion Ratio Lower Upper

96 100

61 1256.7 114.2 212.0#

63 11181.9 90.9 168.7#



#13

Acetone

Concen: 3.978 ug/L

RT: 2.623 min Scan# 399

Delta R.T. 0.003 min

Lab File: VU052144.D

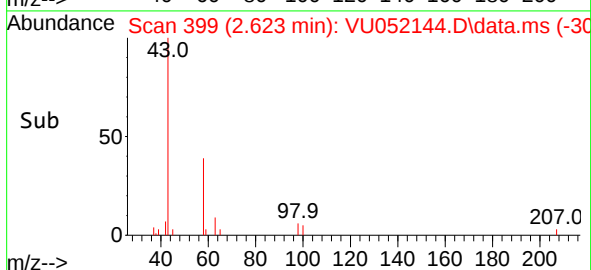
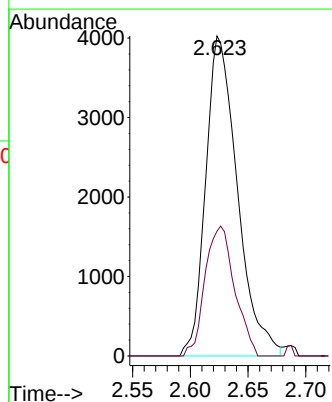
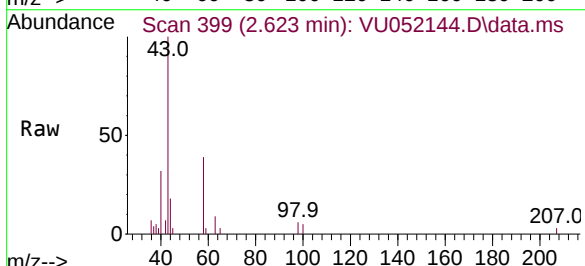
Acq: 28 Nov 2022 13:43

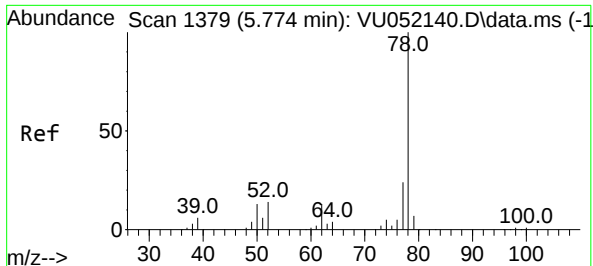
Tgt Ion: 43 Resp: 7681

Ion Ratio Lower Upper

43 100

58 37.9 0.0 76.6





#33

Benzene

Concen: 1.004 ug/L

RT: 5.771 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU052144.D

Acq: 28 Nov 2022 13:43

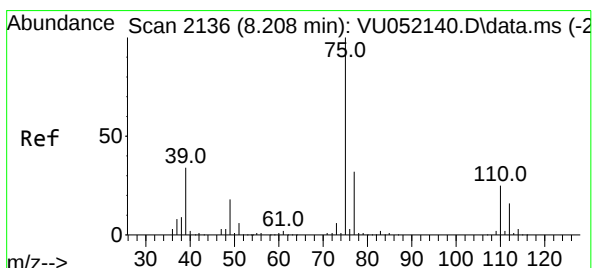
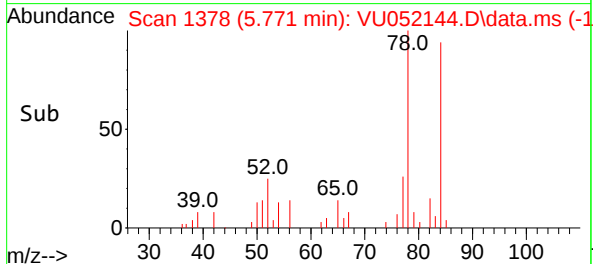
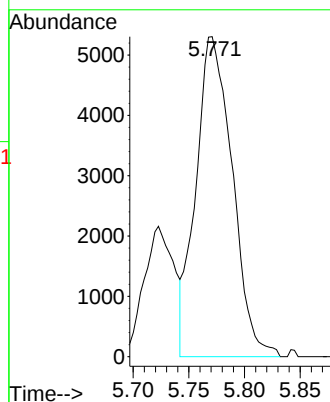
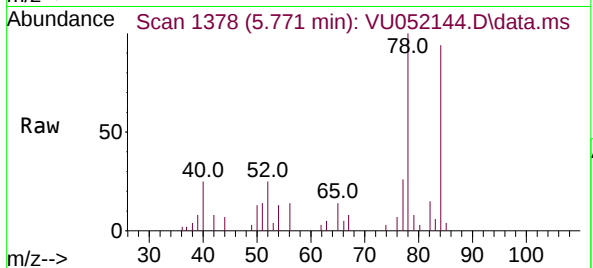
Instrument :

MSVOA_U

ClientSampleId :

COL70

Tgt Ion: 78 Resp: 12059



#44

trans-1,3-Dichloropropene

Concen: 0.726 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.029 min

Lab File: VU052144.D

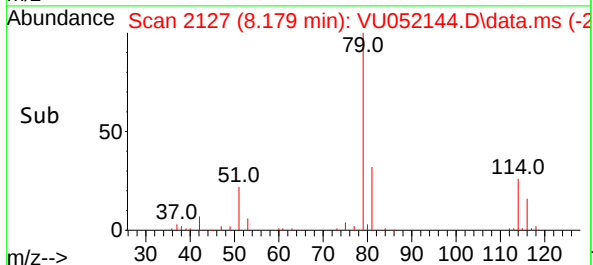
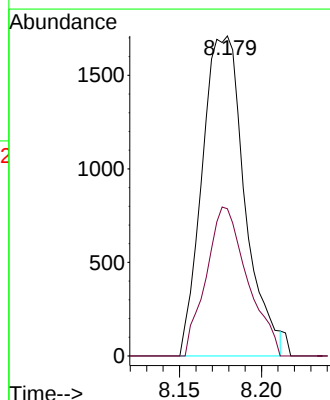
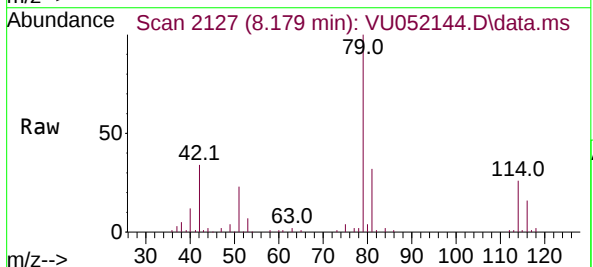
Acq: 28 Nov 2022 13:43

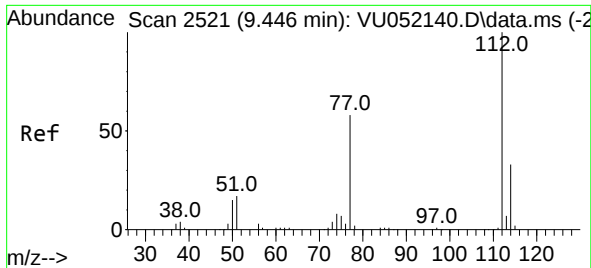
Tgt Ion: 75 Resp: 3081

Ion Ratio Lower Upper

75 100

77 46.0 22.7 42.1#

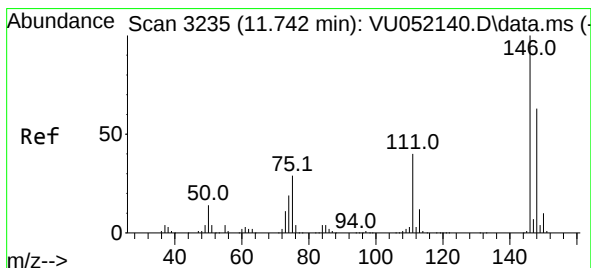
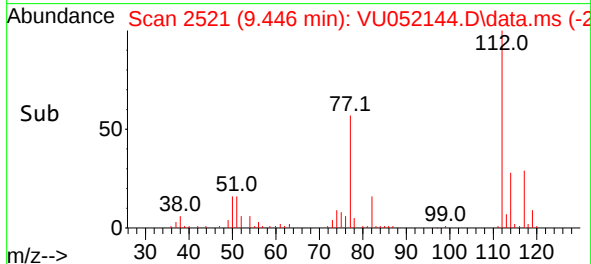
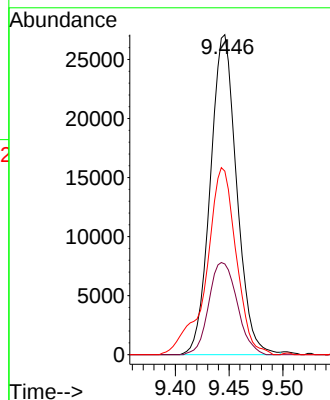
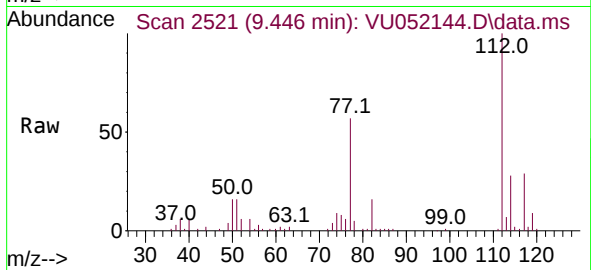




#51
Chlorobenzene
Concen: 5.656 ug/L
RT: 9.446 min Scan# 2144
Delta R.T. 0.000 min
Lab File: VU052144.D
Acq: 28 Nov 2022 13:43

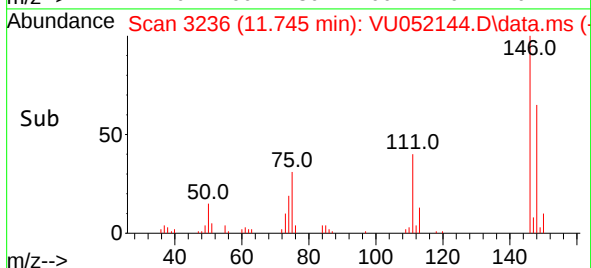
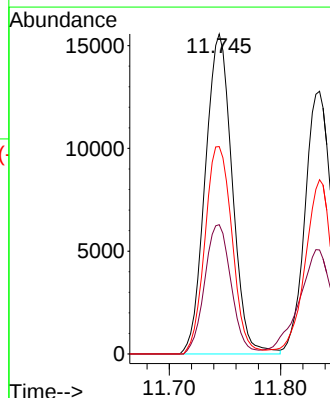
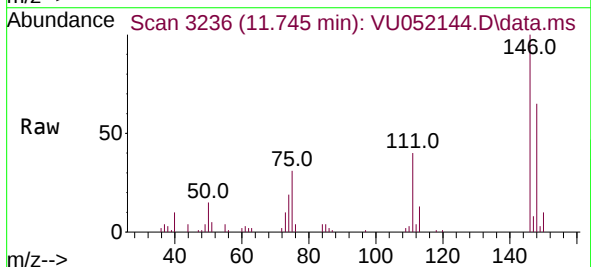
Instrument :
MSVOA_U
ClientSampleId :
COL70

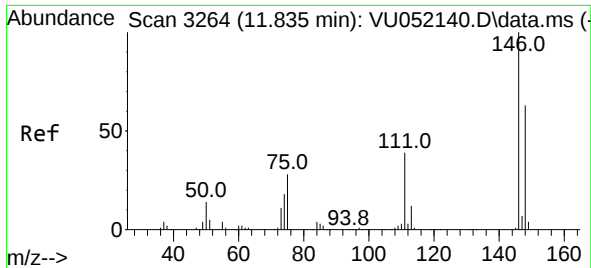
Tgt Ion:112 Resp: 46185
Ion Ratio Lower Upper
112 100
114 28.4 22.2 41.2
77 57.4 46.5 69.7



#64
1,3-Dichlorobenzene
Concen: 5.432 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU052144.D
Acq: 28 Nov 2022 13:43

Tgt Ion:146 Resp: 26186
Ion Ratio Lower Upper
146 100
111 40.4 27.5 51.1
148 64.8 44.9 83.3

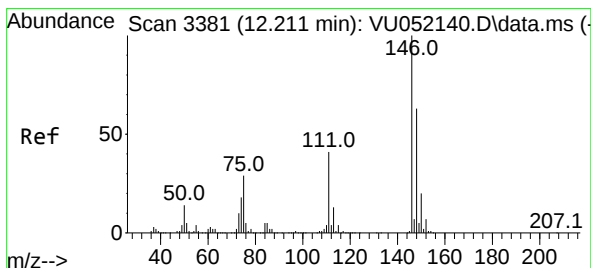
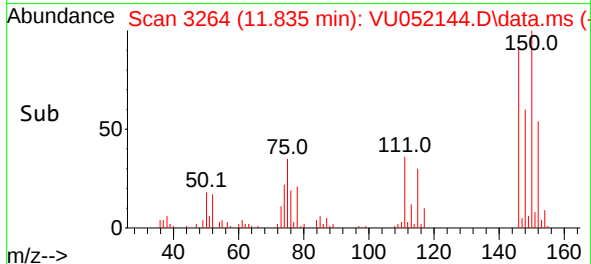
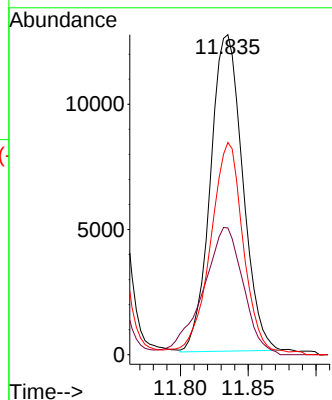
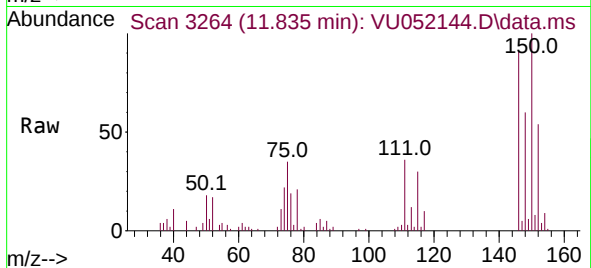




#65
1,4-Dichlorobenzene
Concen: 4.262 ug/L
RT: 11.835 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052144.D
Acq: 28 Nov 2022 13:43

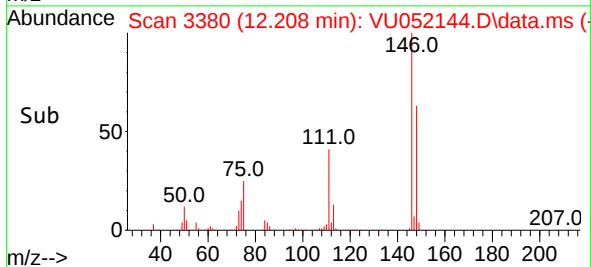
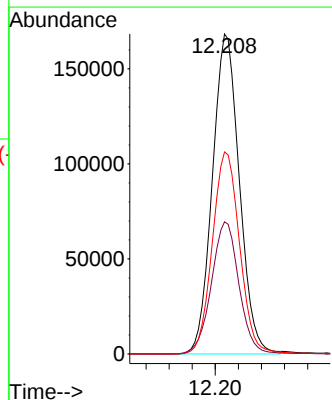
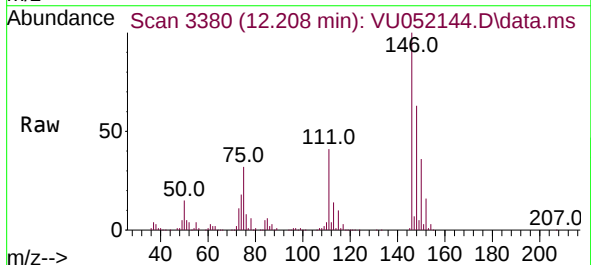
Instrument :
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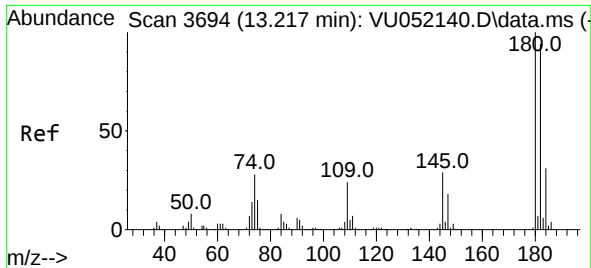
Tgt Ion:146 Resp: 20937
Ion Ratio Lower Upper
146 100
111 39.6 27.6 51.2
148 66.3 44.8 83.2



#67
1,2-Dichlorobenzene
Concen: 54.125 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.003 min
Lab File: VU052144.D
Acq: 28 Nov 2022 13:43

Tgt Ion:146 Resp: 273384
Ion Ratio Lower Upper
146 100
111 41.3 34.2 51.4
148 63.2 52.6 79.0





#69

1,3,5-Trichlorobenzene

Concen: 23.298 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.621 min

Lab File: VU052144.D

Acq: 28 Nov 2022 13:43

Instrument :

MSVOA_U

ClientSampleId :

COL70

Tgt Ion:180 Resp: 74982

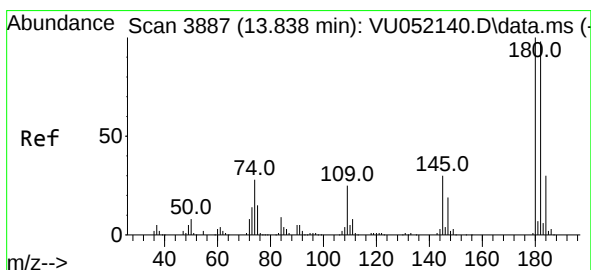
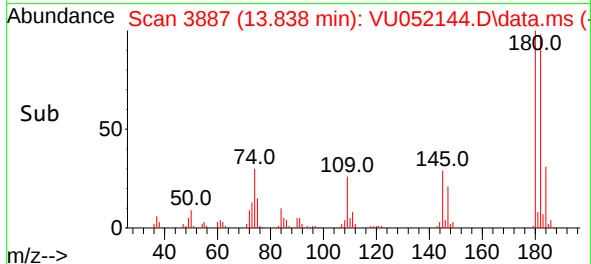
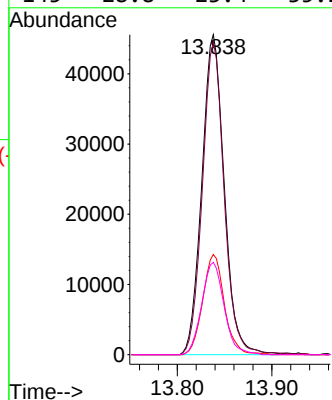
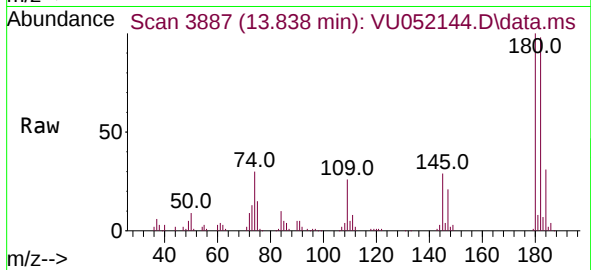
Ion Ratio Lower Upper

180 100

182 94.4 77.2 115.8

184 30.0 24.6 36.8

145 28.8 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 29.004 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.000 min

Lab File: VU052144.D

Acq: 28 Nov 2022 13:43

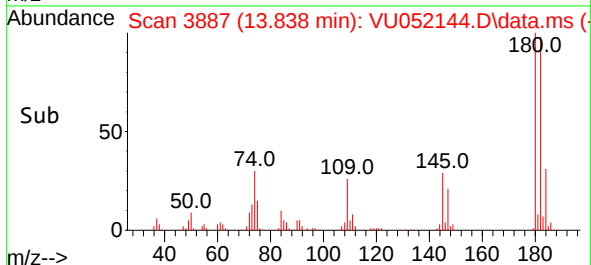
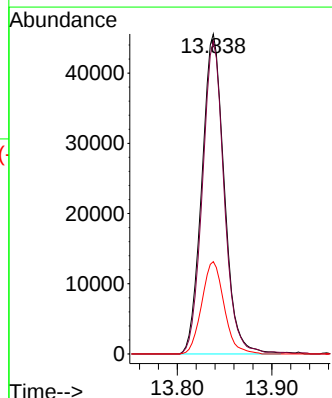
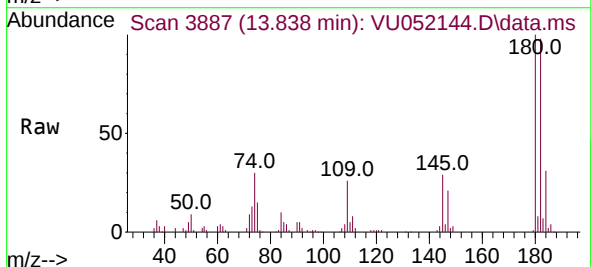
Tgt Ion:180 Resp: 74982

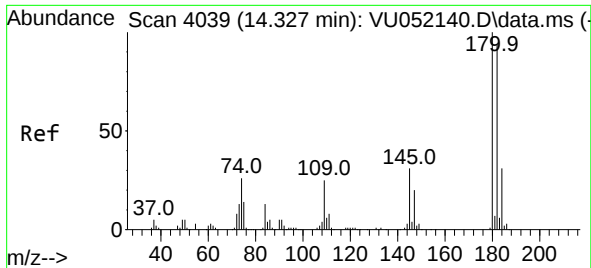
Ion Ratio Lower Upper

180 100

182 94.4 75.4 113.2

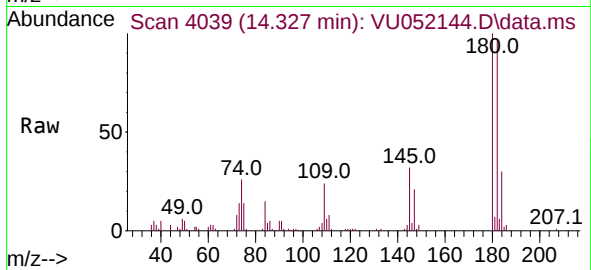
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#72
 1,2,3-Trichlorobenzene
 Concen: 20.585 ug/L
 RT: 14.327 min Scan# 4039
 Delta R.T. 0.000 min
 Lab File: VU052144.D
 Acq: 28 Nov 2022 13:43

Instrument :
 MSVOA_U
 ClientSampleId :
 COL70



Tgt Ion:	180	Resp:	57654
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.1	114.1
145	31.5	25.8	38.6

