

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041422\
 Data File : VU048063.D
 Acq On : 14 Apr 2022 17:07
 Operator : SY/MD
 Sample : N2387-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J63

Quant Time: Apr 15 02:28:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 15 02:23:12 2022
 Response via : Initial Calibration

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

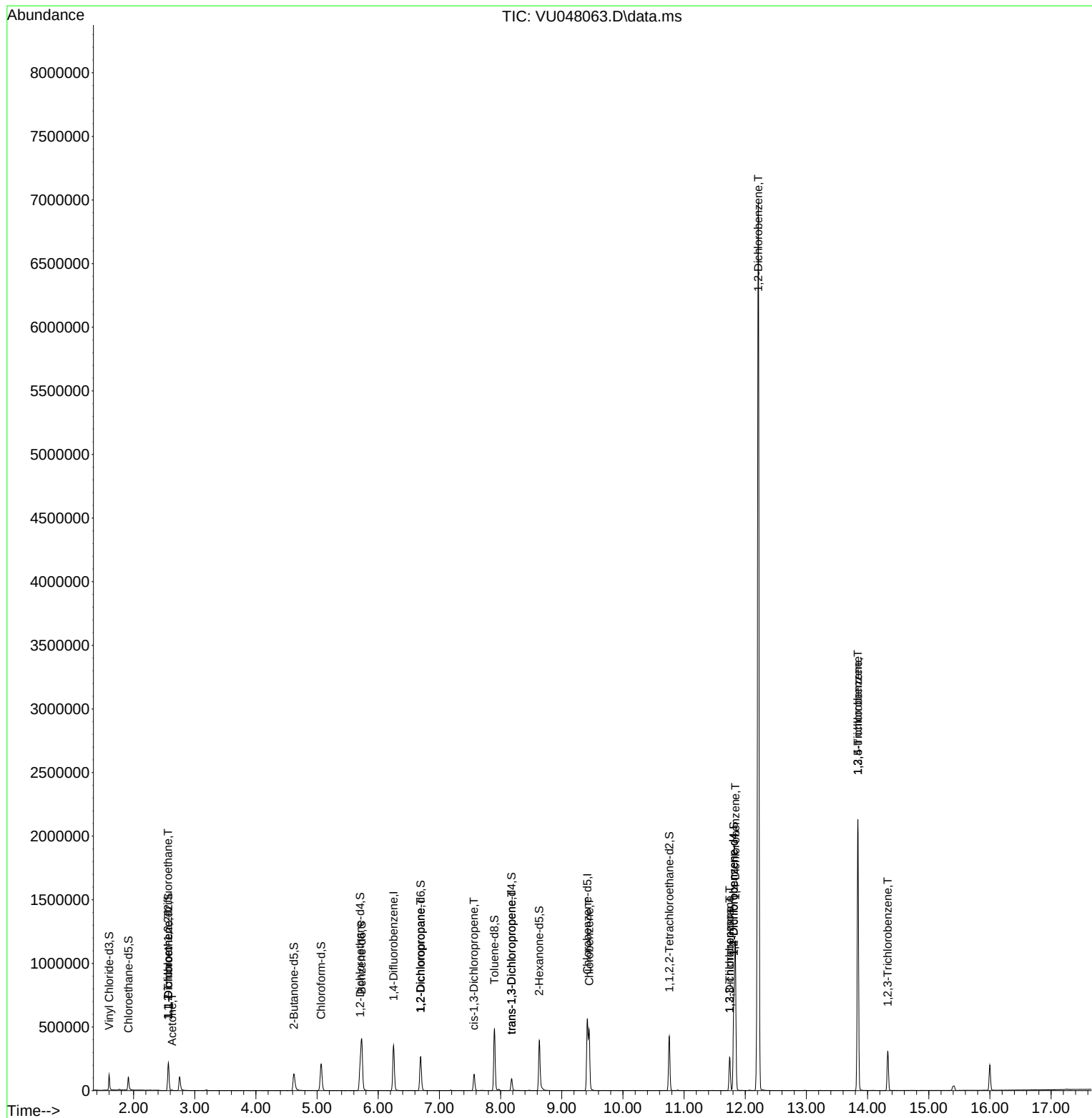
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	302328	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	327162	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	179851	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	90640	41.343	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	82.680%		
7) Chloroethane-d5	1.916	69	84162	48.685	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.380%		
11) 1,1-Dichloroethene-d2	2.568	63	122216	30.469	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	60.940%		
21) 2-Butanone-d5	4.620	46	190025	100.982	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.980%		
24) Chloroform-d	5.067	84	195567	48.752	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.500%		
26) 1,2-Dichloroethane-d4	5.703	65	128335	52.162	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.320%		
32) Benzene-d6	5.729	84	383442	46.578	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.160%		
36) 1,2-Dichloropropane-d6	6.694	67	130224	51.508	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	103.020%		
41) Toluene-d8	7.899	98	333493	41.579	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.160%		
43) trans-1,3-Dichloroprop...	8.179	79	52456	40.954	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.900%		
47) 2-Hexanone-d5	8.632	63	134954	91.184	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.180%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	209080	48.188	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.380%		
66) 1,2-Dichlorobenzene-d4	11.812	152	143235	44.765	ug/L	-0.38
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.520%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1184	0.531	ug/L #	18
12) 1,1-Dichloroethene	2.568	96	984	0.474	ug/L #	1
13) Acetone	2.629	43	4770	2.724	ug/L	98
37) 1,2-Dichloropropane	6.690	63	13848	5.752	ug/L #	87
39) cis-1,3-Dichloropropene	7.565	75	3019	0.808	ug/L #	53
44) trans-1,3-Dichloropropene	8.179	75	2371	0.636	ug/L #	64
51) Chlorobenzene	9.449	112	259755	36.818	ug/L	98
60) 1,2,3-Trichloropropane	11.745	75	31409	9.264	ug/L #	49
64) 1,3-Dichlorobenzene	11.745	146	115212	21.325	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	483160	86.340	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	2900630	536.576	ug/L	100
69) 1,3,5-Trichlorobenzene	13.841	180	676099	154.089	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	676099	175.921	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	101911	26.452	ug/L	99

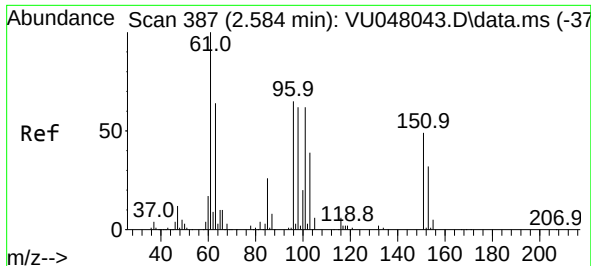
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.531 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.019 min

Lab File: VU048063.D

Acq: 14 Apr 2022 17:07

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MSVOA_U

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C0J63

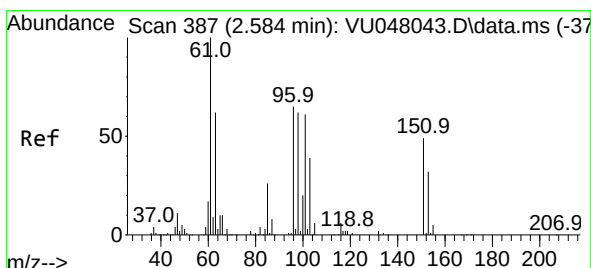
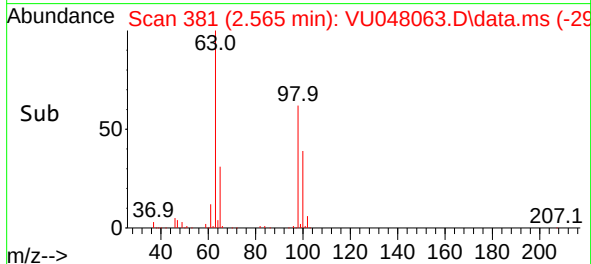
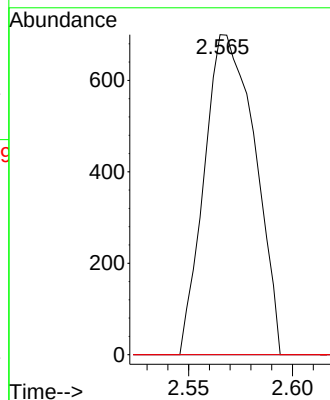
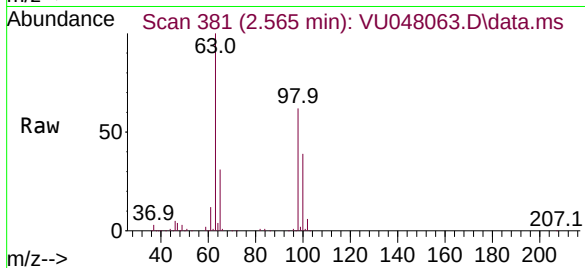
Tgt Ion:101 Resp: 1184

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 63.0 94.6#



#12

1,1-Dichloroethene

Concen: 0.474 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.016 min

Lab File: VU048063.D

Acq: 14 Apr 2022 17:07

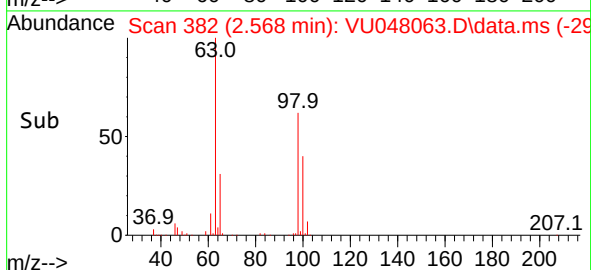
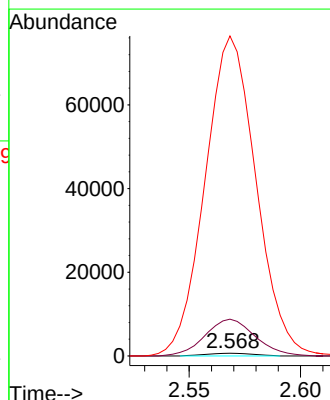
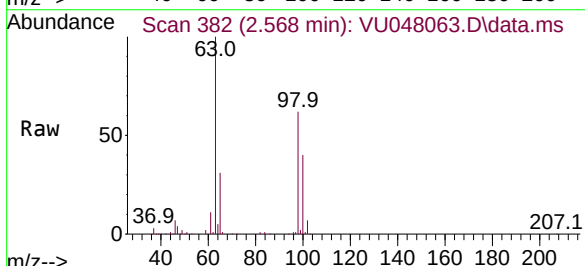
Tgt Ion: 96 Resp: 984

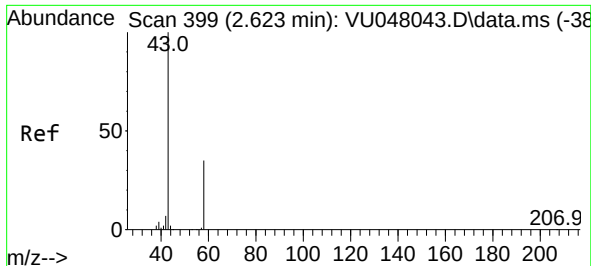
Ion Ratio Lower Upper

96 100

61 1316.2 113.1 210.1#

63 11465.1 94.8 176.0#





#13

Acetone

Concen: 2.724 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.006 min

Lab File: VU048063.D

Acq: 14 Apr 2022 17:07

Instrument :

MSVOA_U

ClientSampleId :

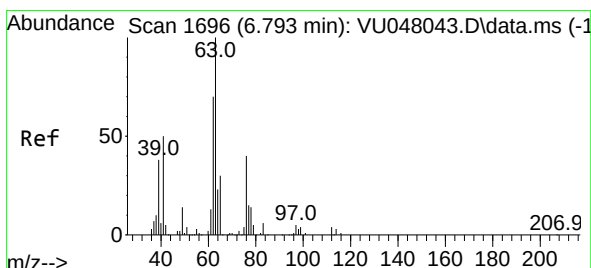
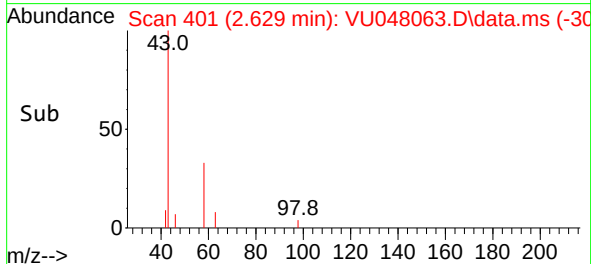
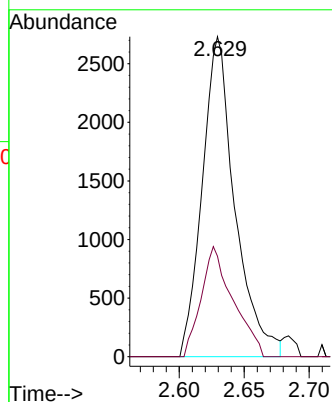
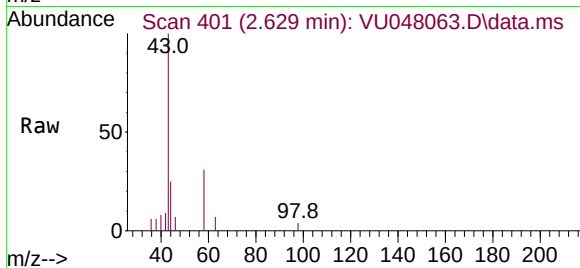
C0J63

Tgt Ion: 43 Resp: 4770

Ion Ratio Lower Upper

43 100

58 33.6 0.0 70.0



#37

1,2-Dichloropropane

Concen: 5.752 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.103 min

Lab File: VU048063.D

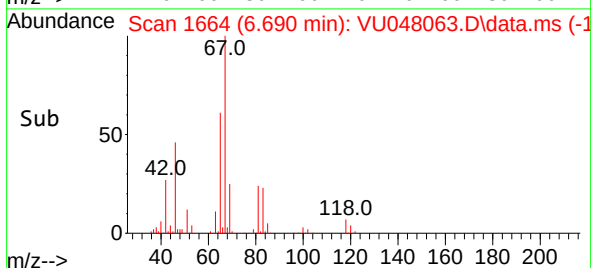
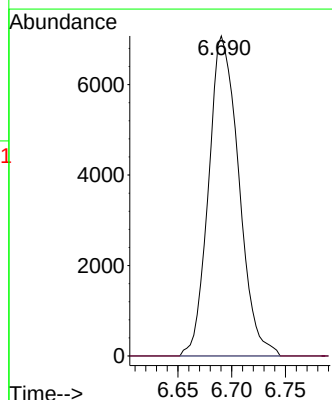
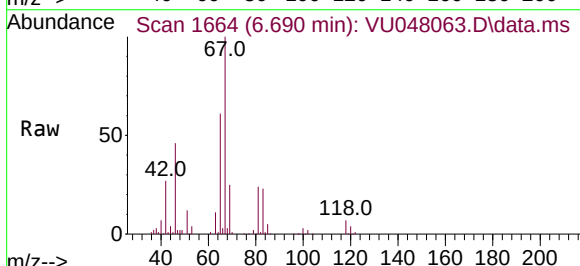
Acq: 14 Apr 2022 17:07

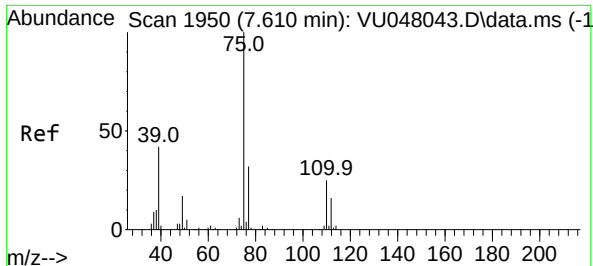
Tgt Ion: 63 Resp: 13848

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.808 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU048063.D

Acq: 14 Apr 2022 17:07

Instrument :

MSVOA_U

ClientSampleId :

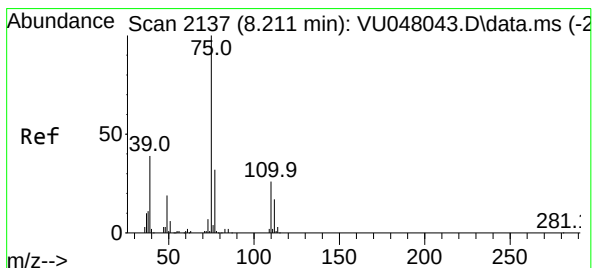
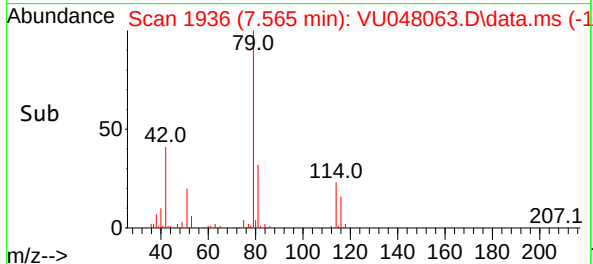
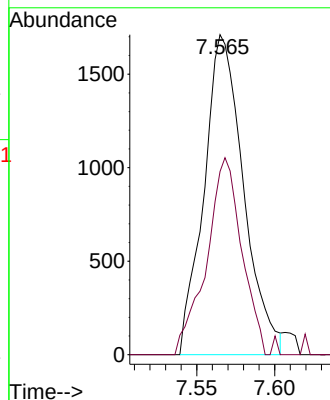
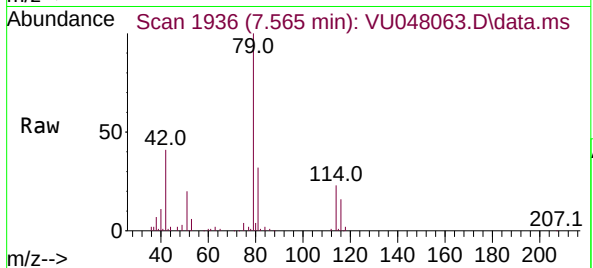
C0J63

Tgt Ion: 75 Resp: 3019

Ion Ratio Lower Upper

75 100

77 57.3 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.636 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.032 min

Lab File: VU048063.D

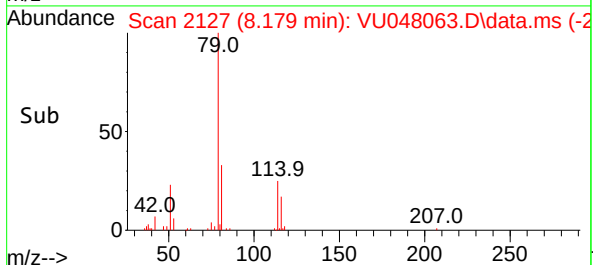
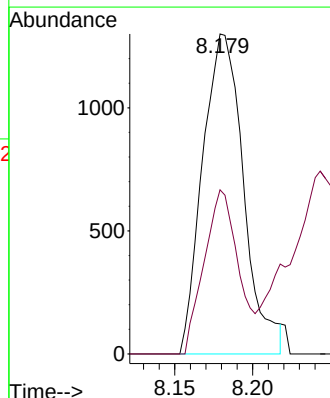
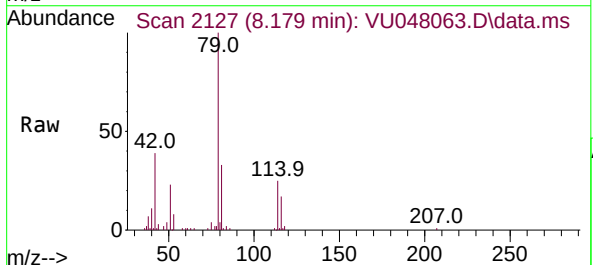
Acq: 14 Apr 2022 17:07

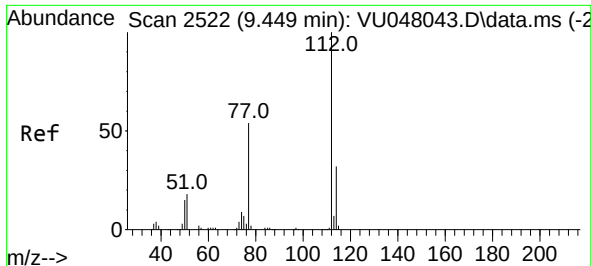
Tgt Ion: 75 Resp: 2371

Ion Ratio Lower Upper

75 100

77 51.3 22.0 40.8#

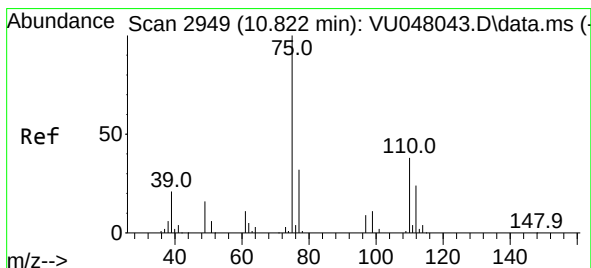
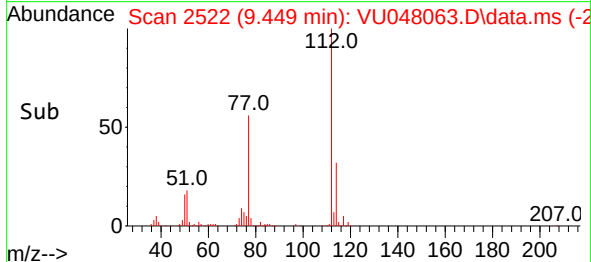
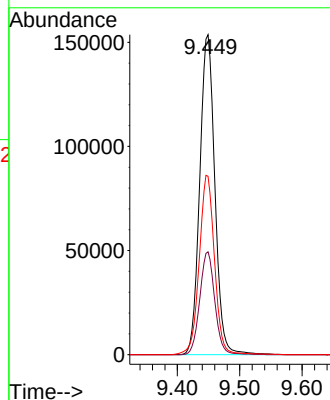
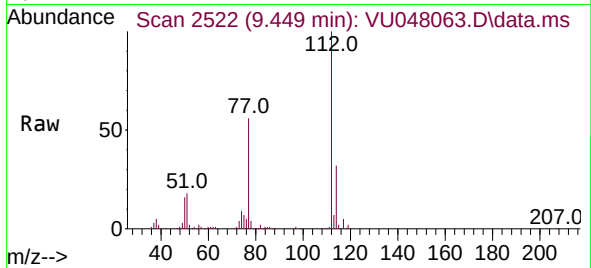




#51
Chlorobenzene
Concen: 36.818 ug/L
RT: 9.449 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048063.D
Acq: 14 Apr 2022 17:07

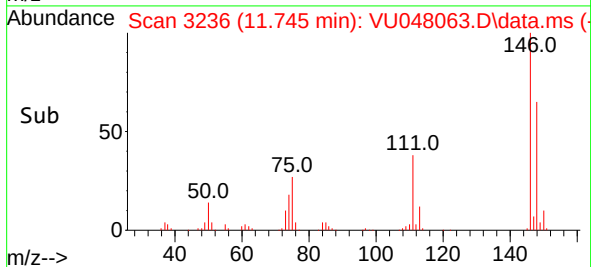
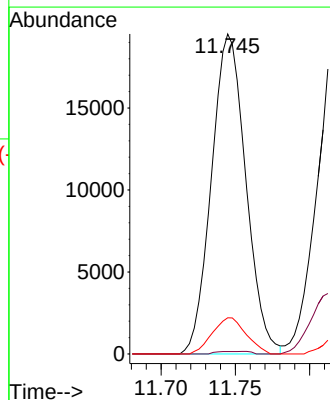
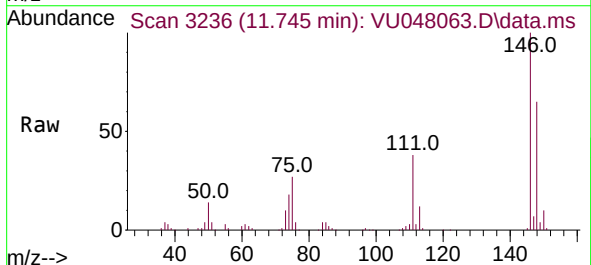
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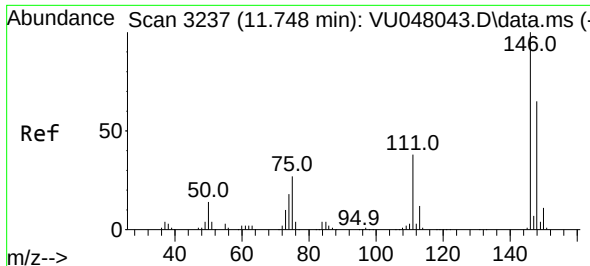
Tgt Ion:112 Resp: 259755
Ion Ratio Lower Upper
112 100
114 32.2 22.1 41.1
77 55.7 43.4 65.0



#60
1,2,3-Trichloropropane
Concen: 9.264 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.923 min
Lab File: VU048063.D
Acq: 14 Apr 2022 17:07

Tgt Ion: 75 Resp: 31409
Ion Ratio Lower Upper
75 100
77 0.8 26.0 39.0#
110 11.1 31.4 47.2#

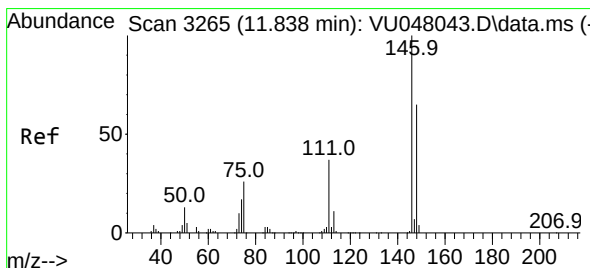
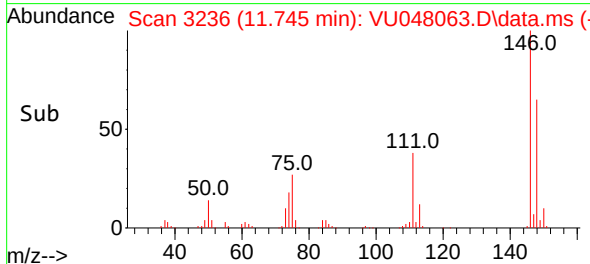
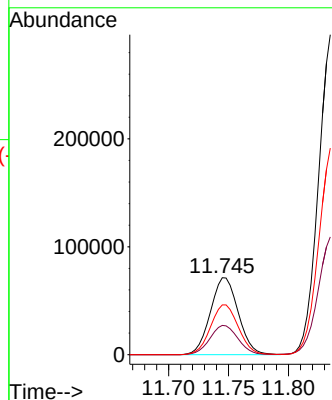
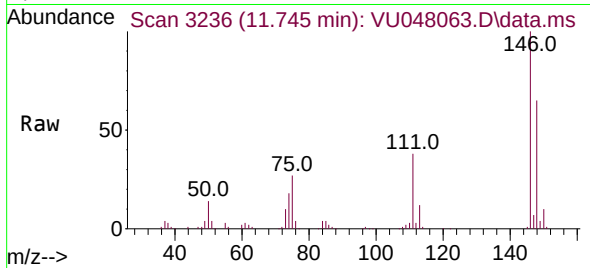




#64
1,3-Dichlorobenzene
Concen: 21.325 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048063.D
Acq: 14 Apr 2022 17:07

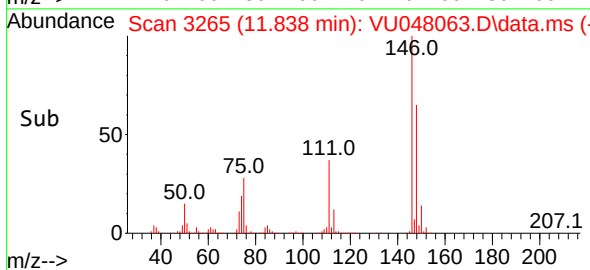
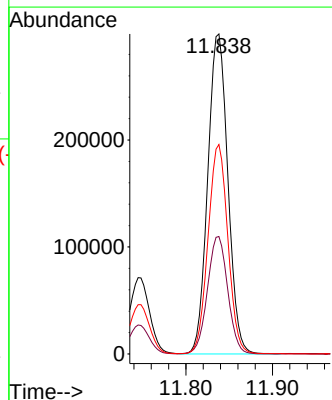
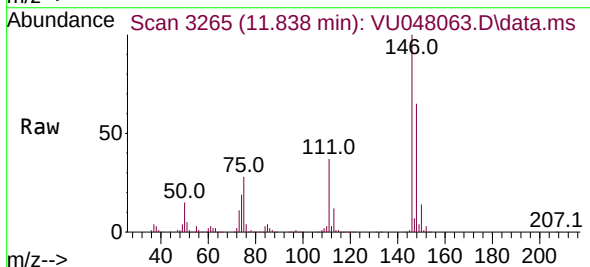
Instrument :
MSVOA_U
ClientSampleId :
C0J63

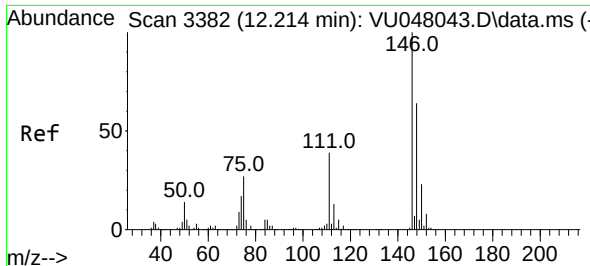
Tgt Ion:146 Resp: 115212
Ion Ratio Lower Upper
146 100
111 38.1 26.7 49.7
148 64.7 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 86.340 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU048063.D
Acq: 14 Apr 2022 17:07

Tgt Ion:146 Resp: 483160
Ion Ratio Lower Upper
146 100
111 36.7 25.3 47.1
148 65.4 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 536.576 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU048063.D

Acq: 14 Apr 2022 17:07

Instrument :

MSVOA_U

ClientSampleId :

C0J63

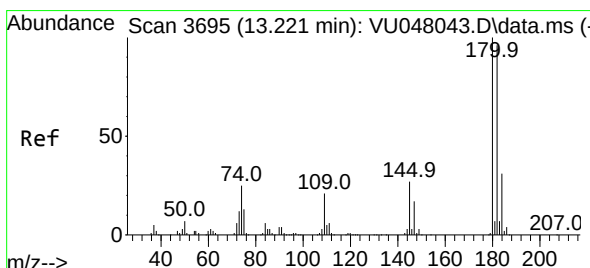
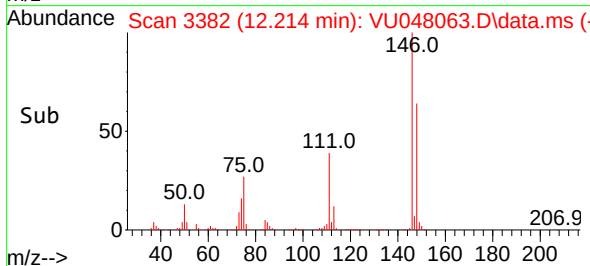
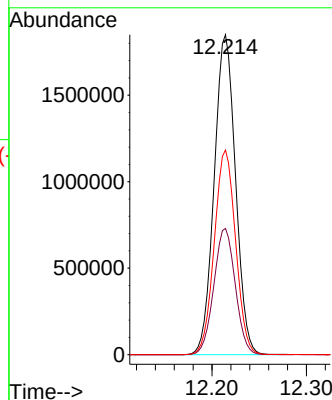
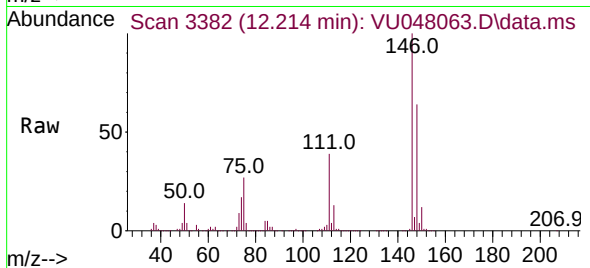
Tgt Ion:146 Resp: 2900630

Ion Ratio Lower Upper

146 100

111 39.5 31.7 47.5

148 64.0 51.4 77.2



#69

1,3,5-Trichlorobenzene

Concen: 154.089 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.621 min

Lab File: VU048063.D

Acq: 14 Apr 2022 17:07

Tgt Ion:180 Resp: 676099

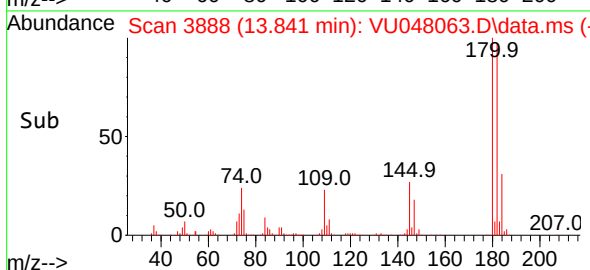
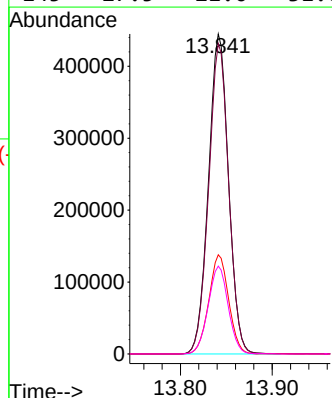
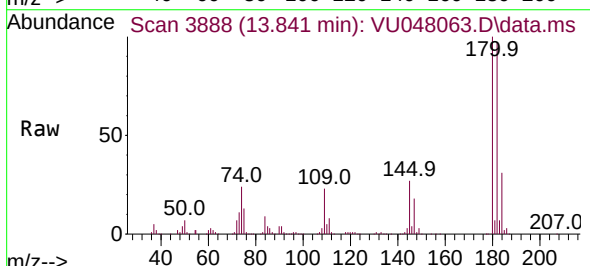
Ion Ratio Lower Upper

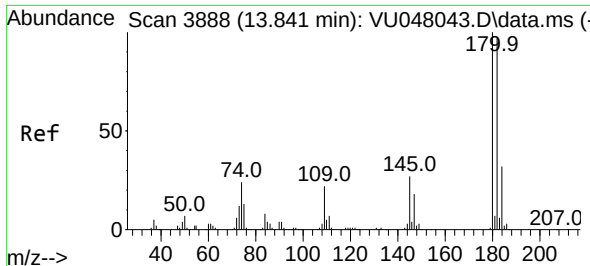
180 100

182 96.8 77.0 115.6

184 30.8 24.5 36.7

145 27.5 21.0 31.6

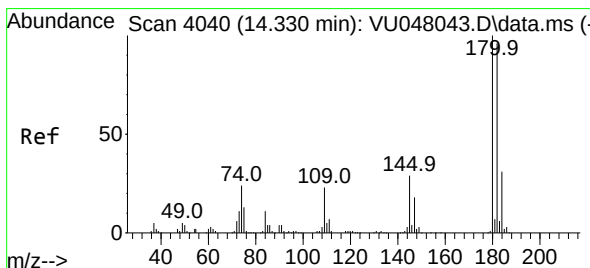
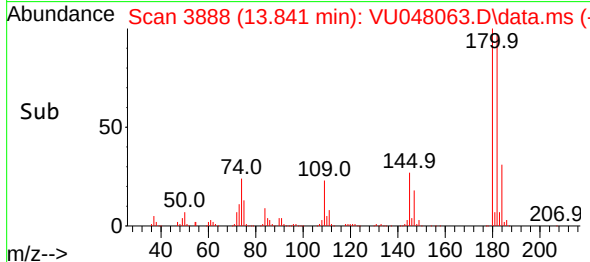
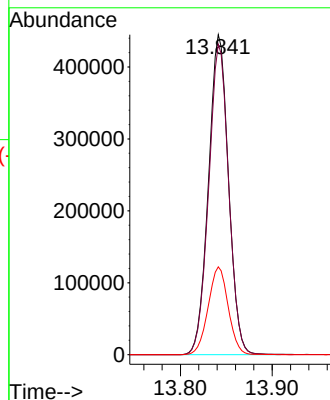
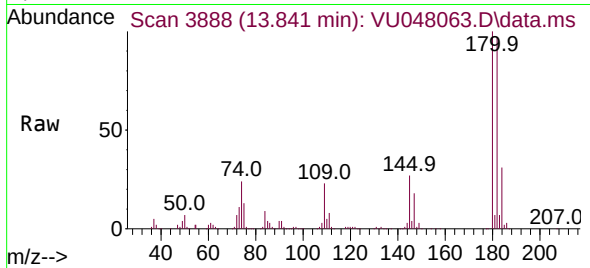




#70
1,2,4-trichlorobenzene
Concen: 175.921 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU048063.D
Acq: 14 Apr 2022 17:07

Instrument :
MSVOA_U
ClientSampleId :
C0J63

Tgt Ion:180 Resp: 676099
Ion Ratio Lower Upper
180 100
182 96.8 76.2 114.2
145 27.5 21.8 32.8



#72
1,2,3-Trichlorobenzene
Concen: 26.452 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048063.D
Acq: 14 Apr 2022 17:07

Tgt Ion:180 Resp: 101911
Ion Ratio Lower Upper
180 100
182 97.8 77.4 116.0
145 29.6 22.8 34.2

