

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U040922\
 Data File : U047887.D
 Acq On : 08 Apr 2022 23:10
 Operator : SY/MD
 Sample : N2343-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J70

Quant Time: Apr 09 02:09:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 09 01:58:44 2022
 Response via : Initial Calibration

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

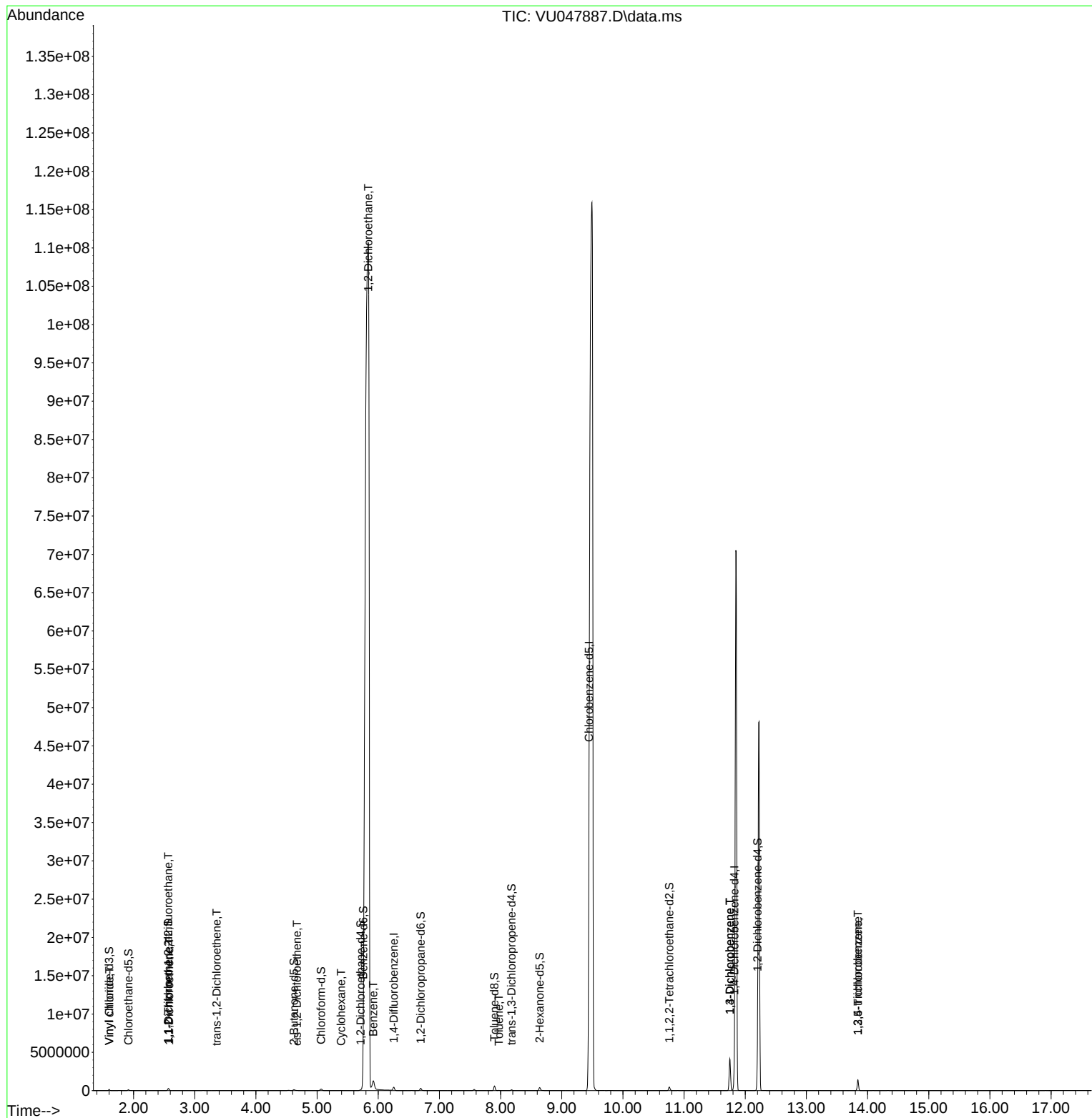
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	366325	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.446	117	396499	50.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.822	152	256017	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	117080	44.074	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.140%		
7) Chloroethane-d5	1.916	69	99095	47.309	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.620%		
11) 1,1-Dichloroethene-d2	2.568	63	156790	32.260	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.520%		
21) 2-Butanone-d5	4.620	46	186818	81.934	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	81.930%		
24) Chloroform-d	5.067	84	208921	42.982	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.960%		
26) 1,2-Dichloroethane-d4	5.713	65	152129	51.031	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.060%		
32) Benzene-d6	5.755	84	464636	46.571	ug/L	0.03
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.140%		
36) 1,2-Dichloropropane-d6	6.694	67	144333	47.106	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.220%		
41) Toluene-d8	7.899	98	407369	41.908	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.820%		
43) trans-1,3-Dichloroprop...	8.179	79	60825	39.184	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	78.360%		
47) 2-Hexanone-d5	8.639	63	146864	81.878	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	81.880%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	236814	45.035	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.080%		
66) 1,2-Dichlorobenzene-d4	12.201	152	211376	46.407	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.820%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	2569	0.776	ug/L #	20
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1631	0.604	ug/L #	18
12) 1,1-Dichloroethene	2.581	96	20401	8.119	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	3933	1.451	ug/L	87
20) cis-1,2-Dichloroethene	4.671	96	5041	1.697	ug/L	99
27) 1,2-Dichloroethane	5.835	62	3234846	831.984	ug/L #	75
29) Cyclohexane	5.395	56	9800	2.436	ug/L	94
33) Benzene	5.919	78	1546726	134.770	ug/L	100
42) Toluene	7.973	91	18119	1.439	ug/L	97
64) 1,3-Dichlorobenzene	11.748	146	1790974	232.879	ug/L	99
65) 1,4-Dichlorobenzene	11.748	146	1790974	224.831	ug/L	98
69) 1,3,5-Trichlorobenzene	13.841	180	469148	75.113	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	469148	85.755	ug/L	100

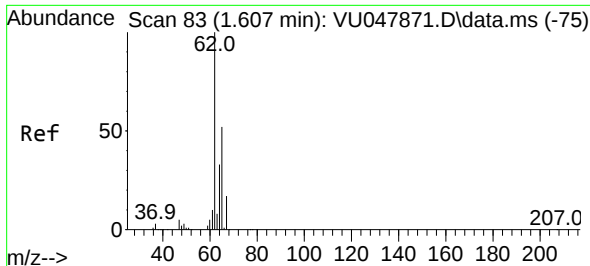
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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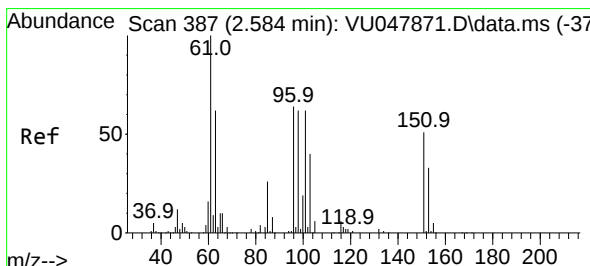
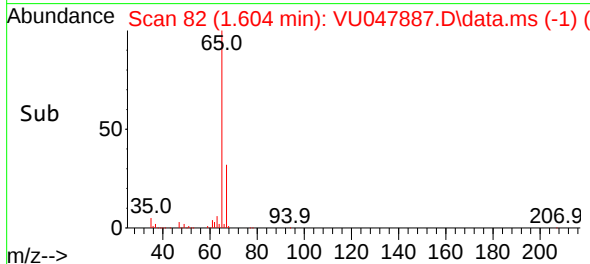
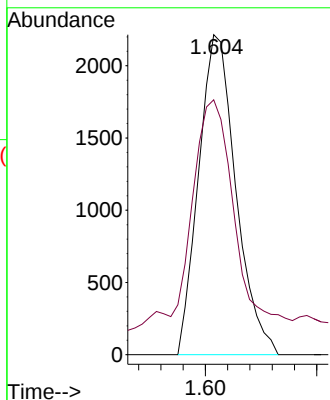
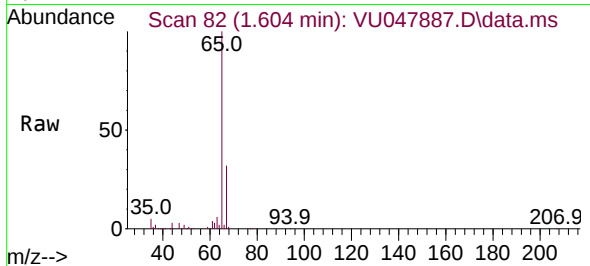




#5
 Vinyl chloride
 Concen: 0.776 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU047887.D
 Acq: 08 Apr 2022 23:10

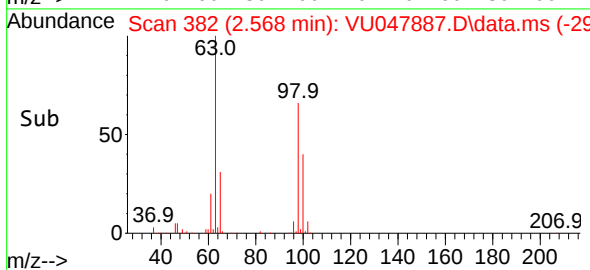
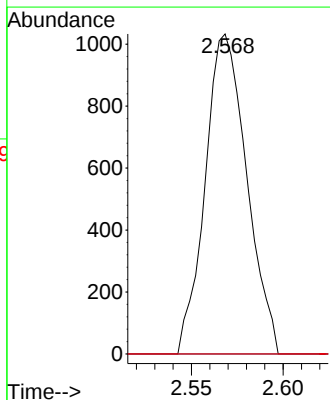
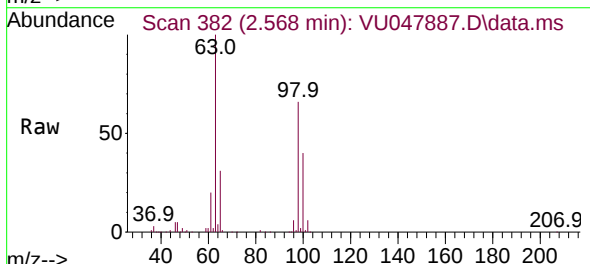
Instrument :
 MSVOA_U
 ClientSampleId :
 C0J70

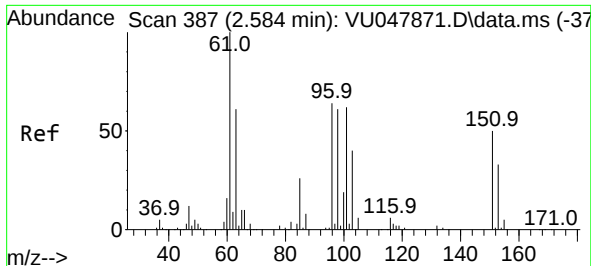
Tgt Ion: 62 Resp: 2569
 Ion Ratio Lower Upper
 62 100
 64 79.6 23.7 43.9#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.604 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.016 min
 Lab File: VU047887.D
 Acq: 08 Apr 2022 23:10

Tgt Ion: 101 Resp: 1631
 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: 8.119 ug/L

RT: 2.581 min Scan# 3

Delta R.T. -0.003 min

Lab File: VU047887.D

Acq: 08 Apr 2022 23:10

Instrument :

MSVOA_U

ClientSampleId :

C0J70

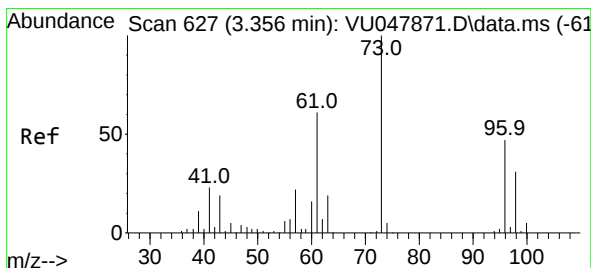
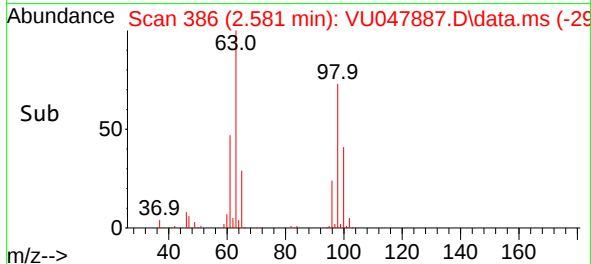
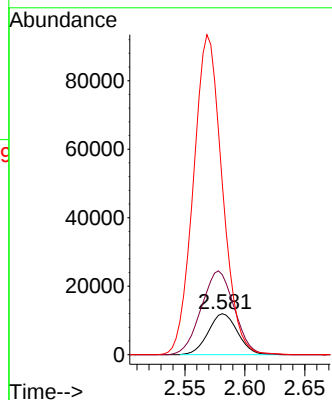
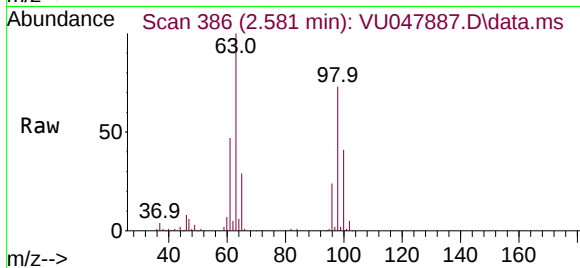
Tgt Ion: 96 Resp: 20401

Ion Ratio Lower Upper

96 100

61 195.4 113.1 210.1

63 418.2 94.8 176.0#



#17

trans-1,2-Dichloroethene

Concen: 1.451 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.003 min

Lab File: VU047887.D

Acq: 08 Apr 2022 23:10

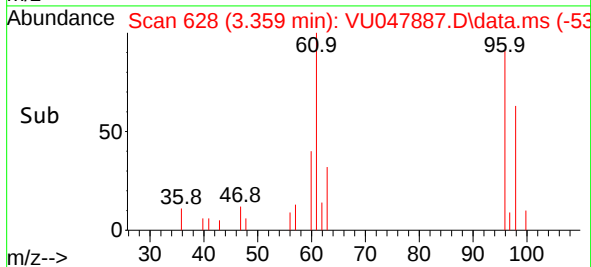
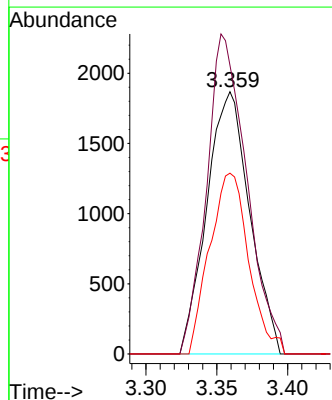
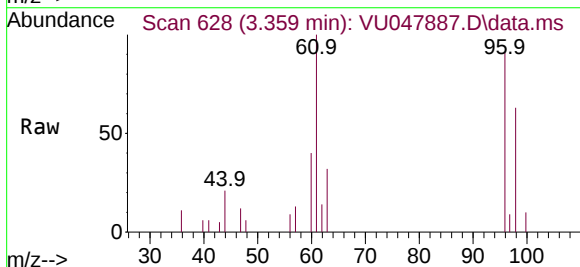
Tgt Ion: 96 Resp: 3933

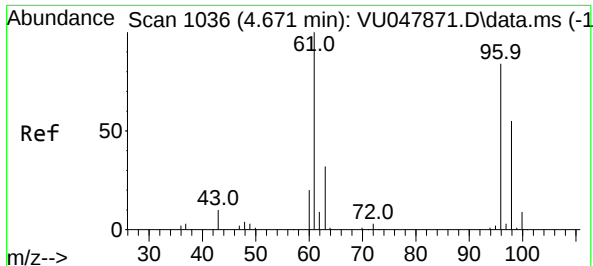
Ion Ratio Lower Upper

96 100

61 110.1 88.4 164.2

98 68.9 43.3 80.5





#20

cis-1,2-Dichloroethene

Concen: 1.697 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047887.D

Acq: 08 Apr 2022 23:10

Instrument :

MSVOA_U

ClientSampleId :

C0J70

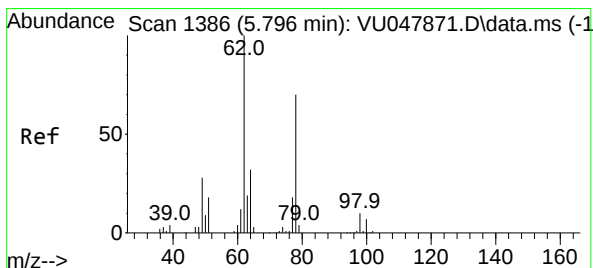
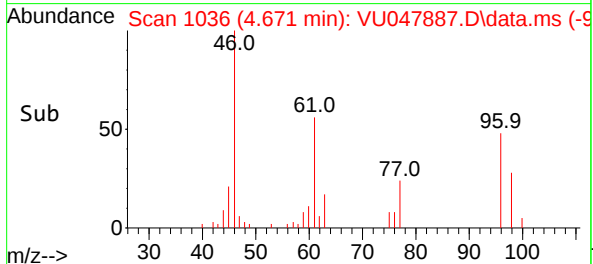
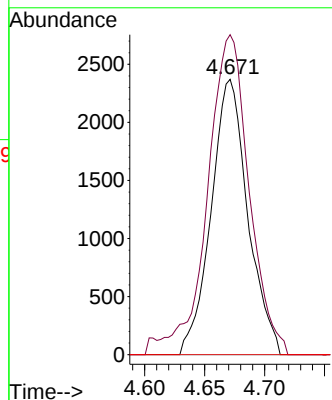
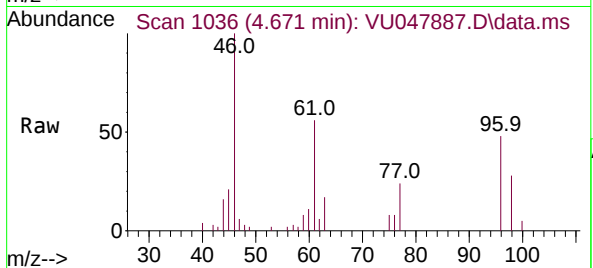
Tgt Ion: 96 Resp: 5041

Ion Ratio Lower Upper

96 100

61 116.2 80.7 149.9

68 0.0 0.0 0.0



#27

1,2-Dichloroethane

Concen: 831.984 ug/L

RT: 5.835 min Scan# 1398

Delta R.T. 0.039 min

Lab File: VU047887.D

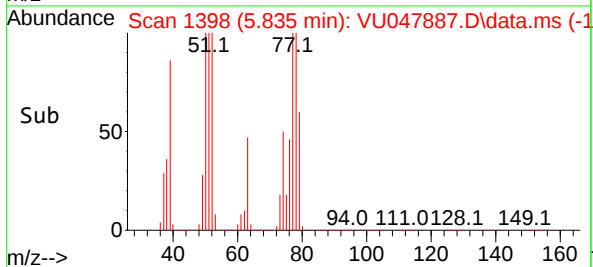
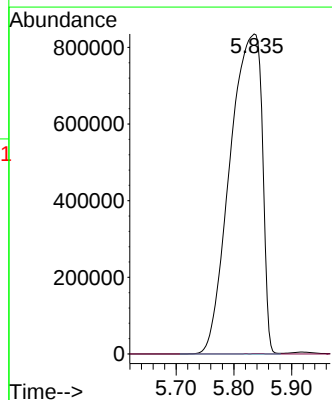
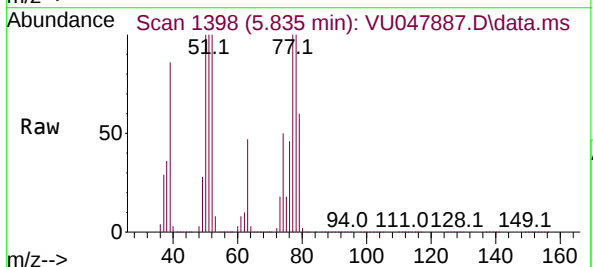
Acq: 08 Apr 2022 23:10

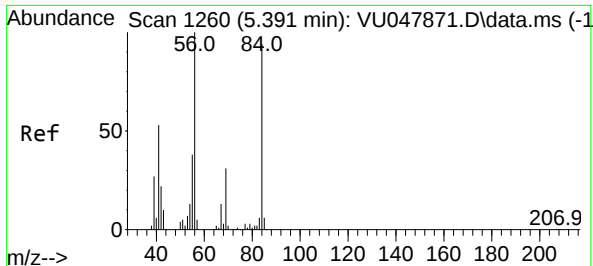
Tgt Ion: 62 Resp: 3234846

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#





#29

Cyclohexane

Concen: 2.436 ug/L

RT: 5.395 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU047887.D

Acq: 08 Apr 2022 23:10

Instrument :

MSVOA_U

ClientSampleId :

C0J70

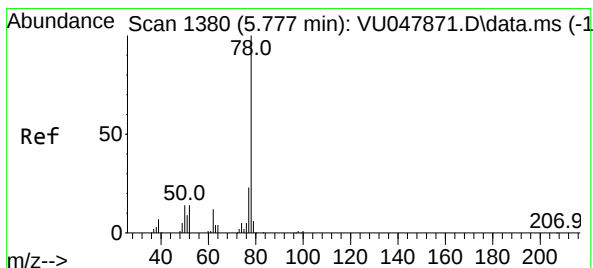
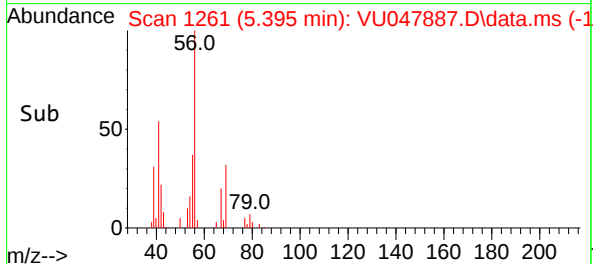
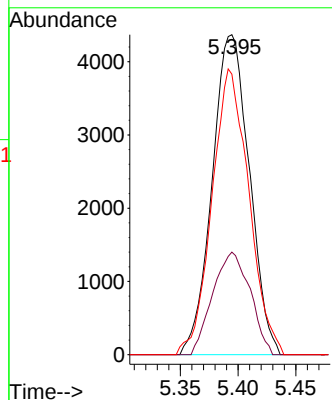
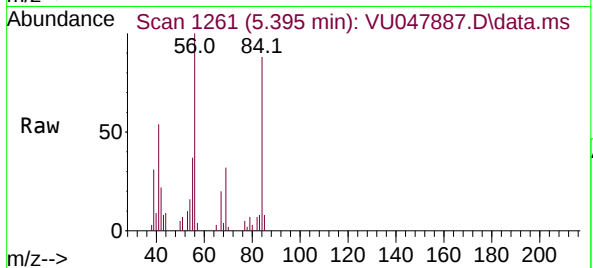
Tgt Ion: 56 Resp: 9800

Ion Ratio Lower Upper

56 100

69 32.1 25.4 38.2

84 88.4 77.0 115.6



#33

Benzene

Concen: 134.770 ug/L

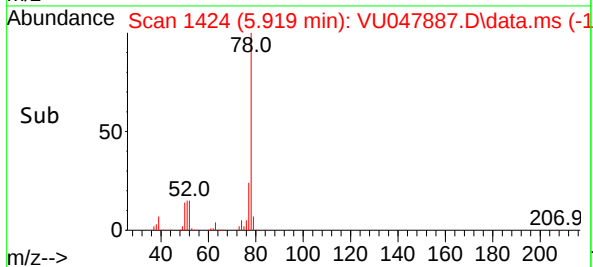
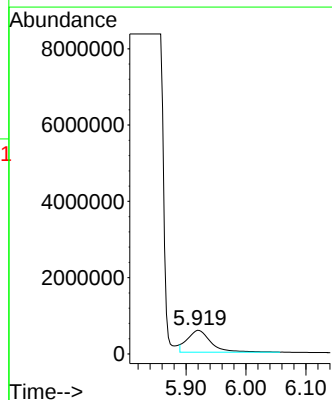
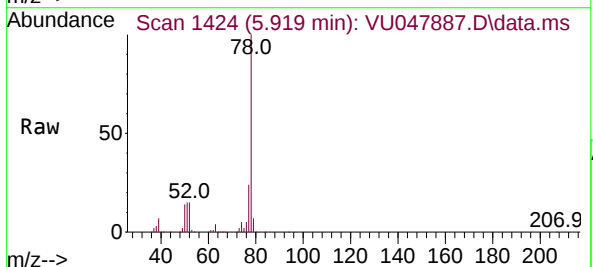
RT: 5.919 min Scan# 1424

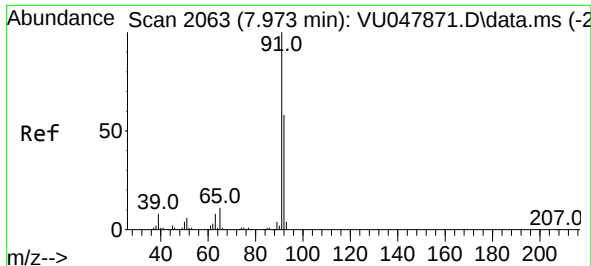
Delta R.T. 0.142 min

Lab File: VU047887.D

Acq: 08 Apr 2022 23:10

Tgt Ion: 78 Resp: 1546726





#42

Toluene

Concen: 1.439 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU047887.D

Acq: 08 Apr 2022 23:10

Instrument :

MSVOA_U

ClientSampleId :

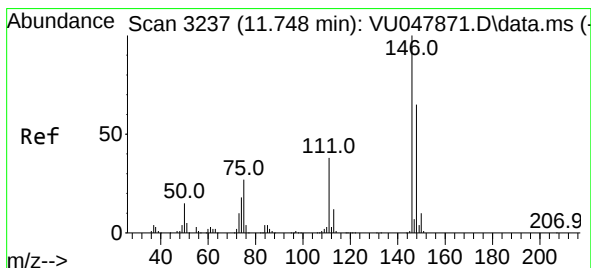
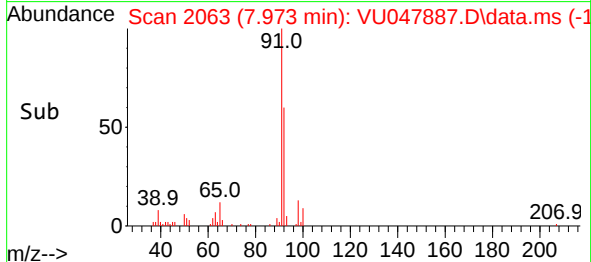
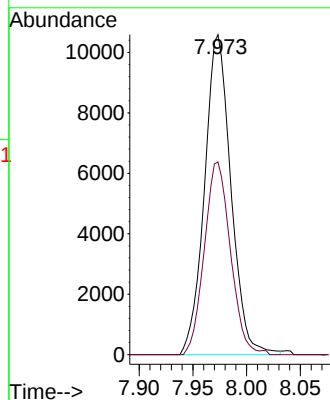
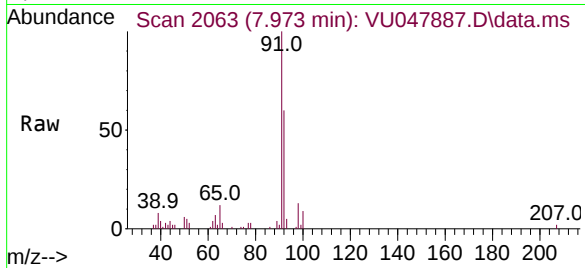
C0J70

Tgt Ion: 91 Resp: 18119

Ion Ratio Lower Upper

91 100

92 60.2 40.4 75.0



#64

1,3-Dichlorobenzene

Concen: 232.879 ug/L

RT: 11.748 min Scan# 3237

Delta R.T. 0.000 min

Lab File: VU047887.D

Acq: 08 Apr 2022 23:10

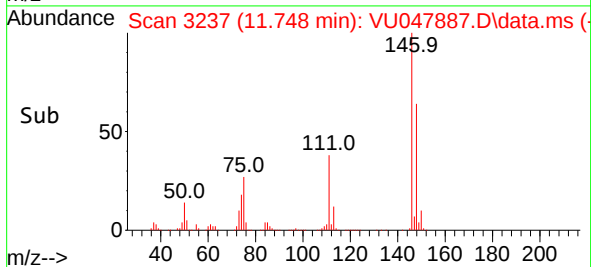
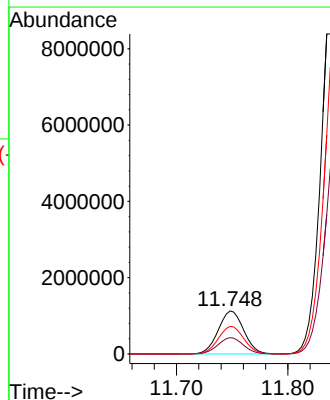
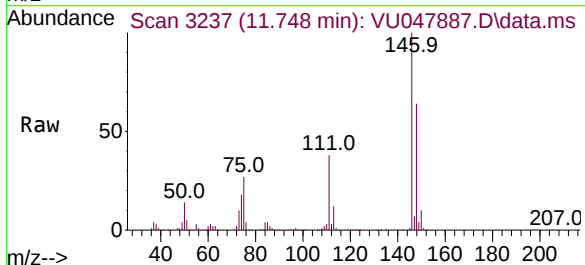
Tgt Ion: 146 Resp: 1790974

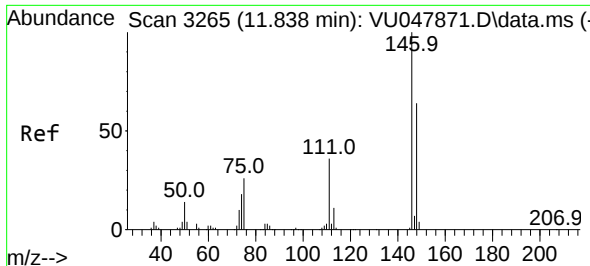
Ion Ratio Lower Upper

146 100

111 38.0 26.7 49.7

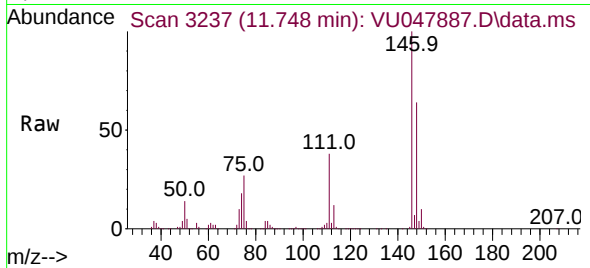
148 64.2 44.4 82.5



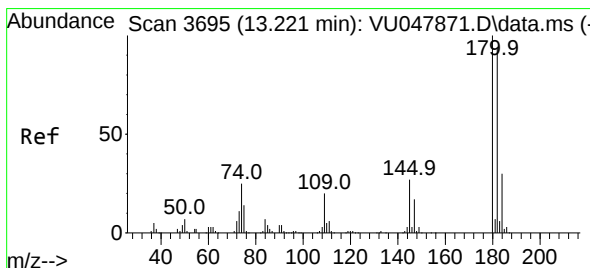
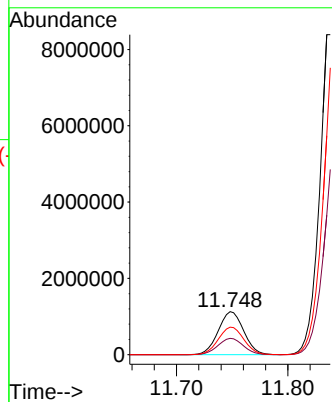
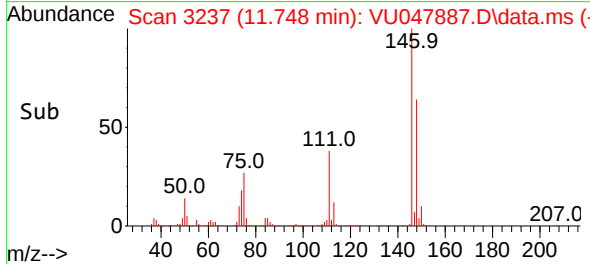


#65
1,4-Dichlorobenzene
Concen: 224.831 ug/L
RT: 11.748 min Scan# 31
Delta R.T. -0.090 min
Lab File: VU047887.D
Acq: 08 Apr 2022 23:10

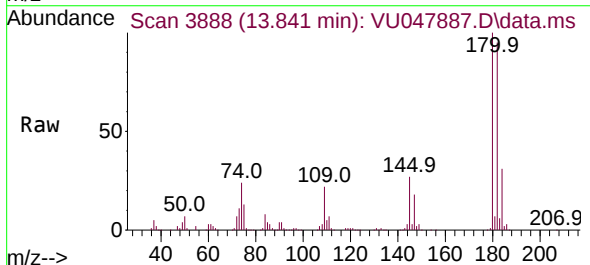
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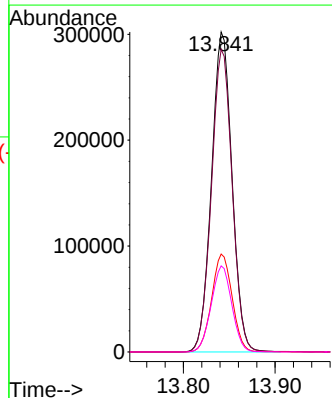
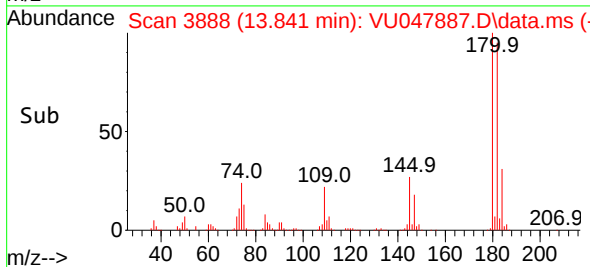
Tgt Ion:146 Resp: 1790974
Ion Ratio Lower Upper
146 100
111 38.0 25.3 47.1
148 64.2 44.5 82.7

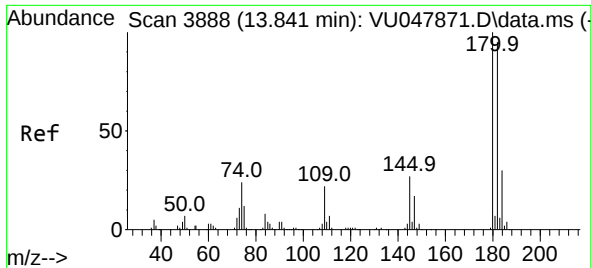


#69
1,3,5-Trichlorobenzene
Concen: 75.113 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.621 min
Lab File: VU047887.D
Acq: 08 Apr 2022 23:10



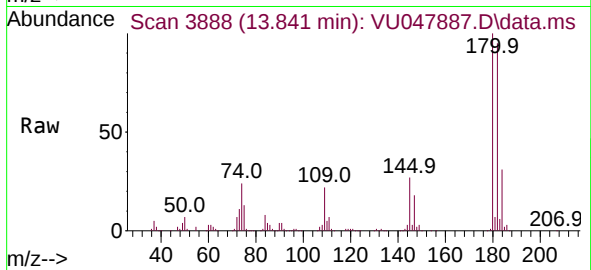
Tgt Ion:180 Resp: 469148
Ion Ratio Lower Upper
180 100
182 95.6 77.0 115.6
184 30.7 24.5 36.7
145 27.0 21.0 31.6





#70
 1,2,4-trichlorobenzene
 Concen: 85.755 ug/L
 RT: 13.841 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU047887.D
 Acq: 08 Apr 2022 23:10

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J70



Tgt Ion:180 Resp: 469148
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.2 114.2
 145 27.0 21.8 32.8

