

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040922\
 Data File : VU047889.D
 Acq On : 08 Apr 2022 23:56
 Operator : SY/MD
 Sample : N2345-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J73

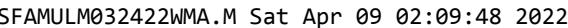
Quant Time: Apr 09 02:09:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 09 01:58:44 2022
 Response via : Initial Calibration

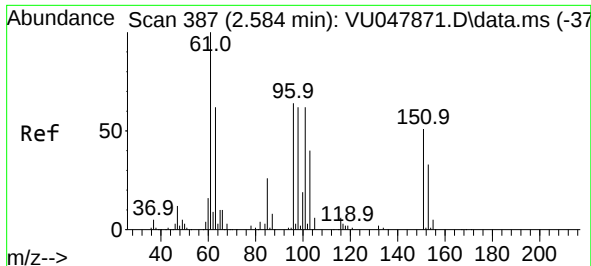
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	342502	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	338285	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	187690	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	120236	48.410	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.820%		
7) Chloroethane-d5	1.916	69	102731	52.457	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	104.920%		
11) 1,1-Dichloroethene-d2	2.568	63	153822	33.851	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.700%		
21) 2-Butanone-d5	4.620	46	195163	91.548	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.550%		
24) Chloroform-d	5.067	84	214841	47.275	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.540%		
26) 1,2-Dichloroethane-d4	5.703	65	137139	49.202	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.400%		
32) Benzene-d6	5.729	84	438712	51.539	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.080%		
36) 1,2-Dichloropropane-d6	6.694	67	139256	53.270	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	106.540%		
41) Toluene-d8	7.899	98	392192	47.290	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.580%		
43) trans-1,3-Dichloroprop...	8.179	79	59700	45.077	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.160%		
47) 2-Hexanone-d5	8.632	63	139088	90.887	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.890%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	207904	46.341	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.680%		
66) 1,2-Dichlorobenzene-d4	12.195	152	171501	51.360	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.720%		
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	1642	0.650	ug/L #	18
12) 1,1-Dichloroethene	2.572	96	1323	0.563	ug/L #	1
25) Chloroform	5.089	83	20649	4.388	ug/L	100
27) 1,2-Dichloroethane	5.774	62	38289	10.533	ug/L #	75
31) Carbon tetrachloride	5.530	117	8059	2.327	ug/L	100
33) Benzene	5.777	78	4807502	490.975	ug/L	100
37) 1,2-Dichloropropane	6.690	63	14089	5.660	ug/L #	87
44) trans-1,3-Dichloropropene	8.182	75	2833	0.735	ug/L	88
51) Chlorobenzene	9.449	112	5624771	771.046	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	274791	48.738	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	2201478	376.972	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	2402753	425.912	ug/L	99
69) 1,3,5-Trichlorobenzene	13.841	180	484169	105.738	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	484169	120.719	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	208798	51.931	ug/L	99

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

Quant Time: Apr 09 02:09:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
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QLast Update : Sat Apr 09 01:58:44 2022
Response via : Initial Calibration





#10

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

Concen: 0.650 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.013 min

Lab File: VU047889.D

Acq: 08 Apr 2022 23:56

Instrument :

MSVOA_U

ClientSampleId :

C0J73

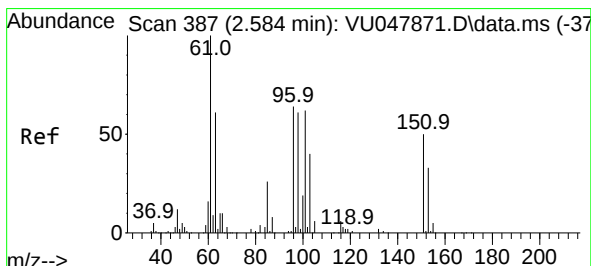
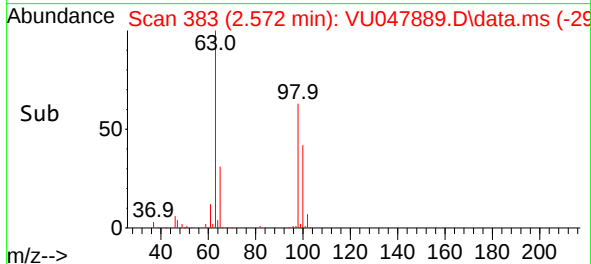
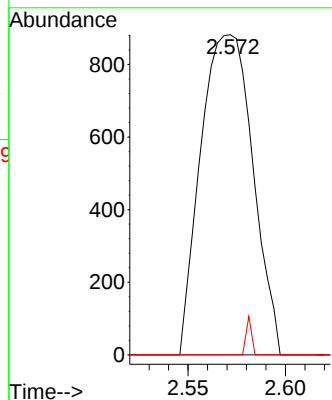
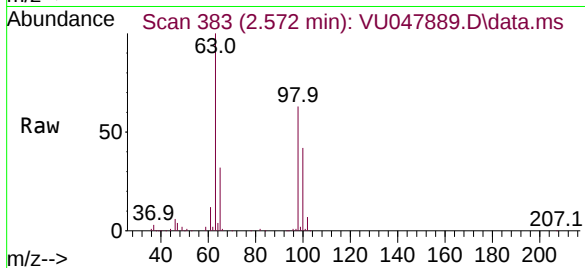
Tgt Ion:101 Resp: 1642

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: 0.563 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.013 min

Lab File: VU047889.D

Acq: 08 Apr 2022 23:56

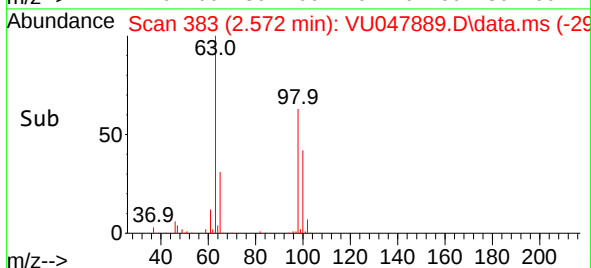
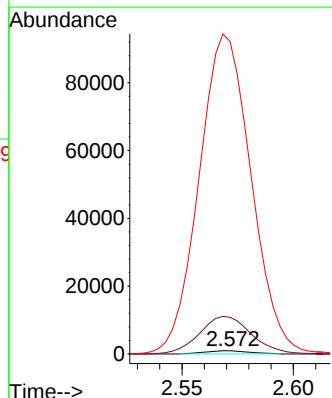
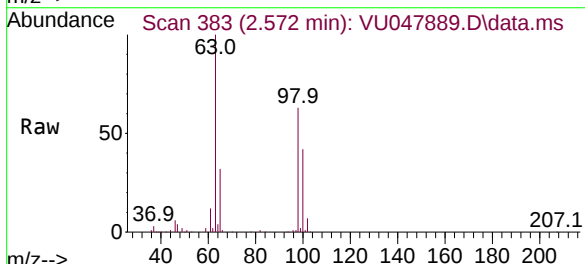
Tgt Ion: 96 Resp: 1323

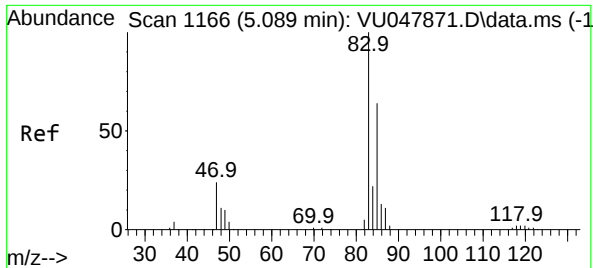
Ion Ratio Lower Upper

96 100

61 1146.3 113.1 210.1#

63 9761.0 94.8 176.0#





#25

Chloroform

Concen: 4.388 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU047889.D

Acq: 08 Apr 2022 23:56

Instrument :

MSVOA_U

ClientSampleId :

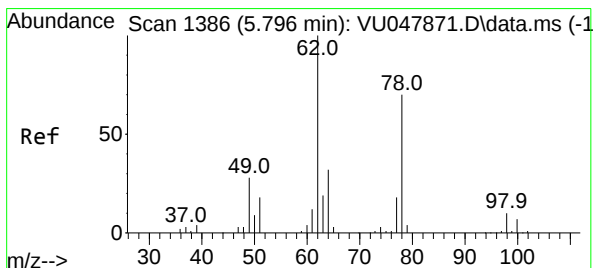
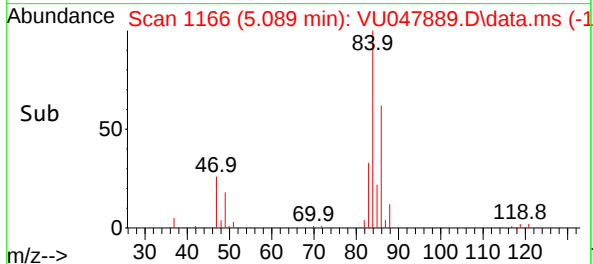
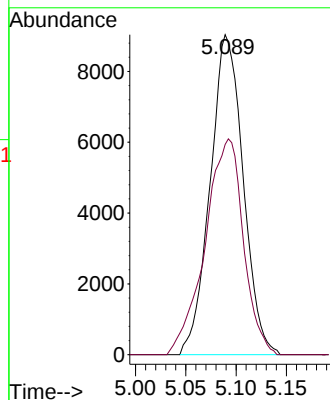
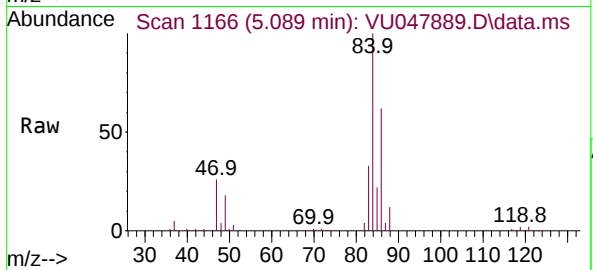
C0J73

Tgt Ion: 83 Resp: 20649

Ion Ratio Lower Upper

83 100

85 65.7 46.2 85.8



#27

1,2-Dichloroethane

Concen: 10.533 ug/L

RT: 5.774 min Scan# 1379

Delta R.T. -0.022 min

Lab File: VU047889.D

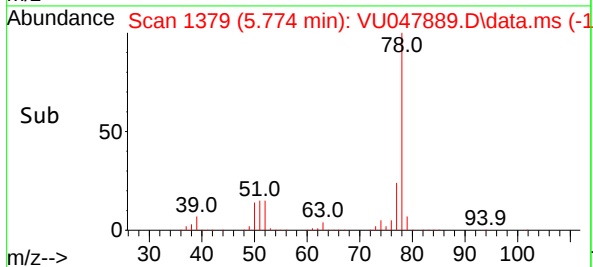
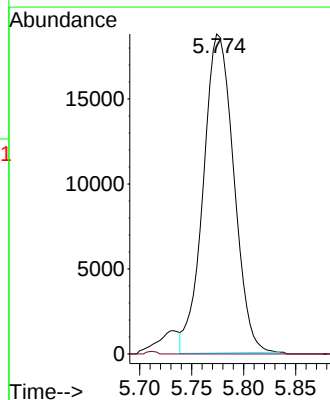
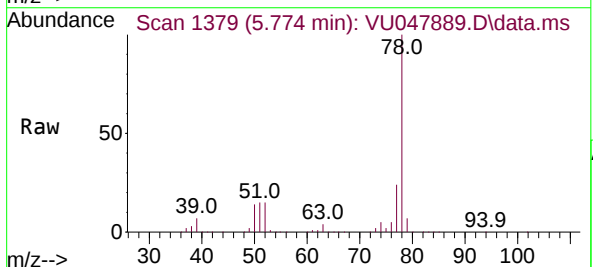
Acq: 08 Apr 2022 23:56

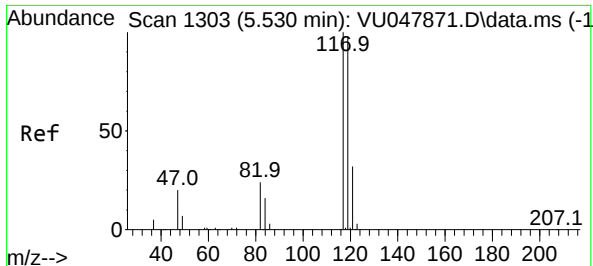
Tgt Ion: 62 Resp: 38289

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#

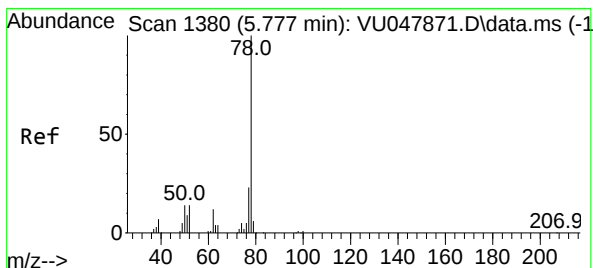
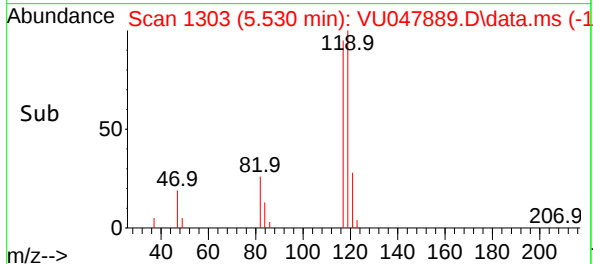
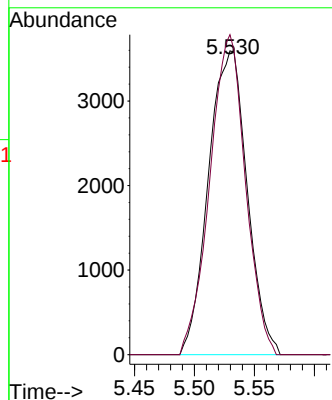
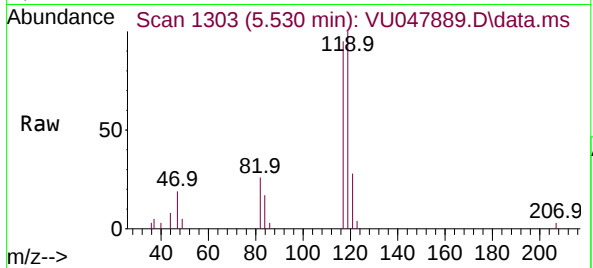




#31
Carbon tetrachloride
Concen: 2.327 ug/L
RT: 5.530 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU047889.D
Acq: 08 Apr 2022 23:56

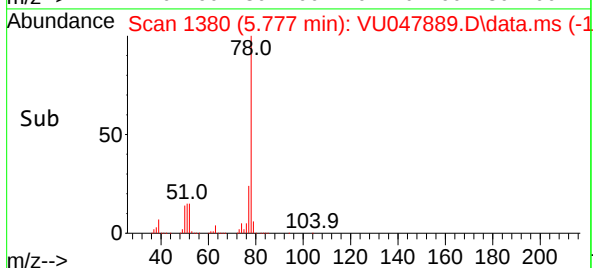
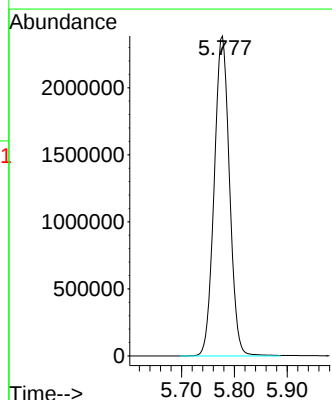
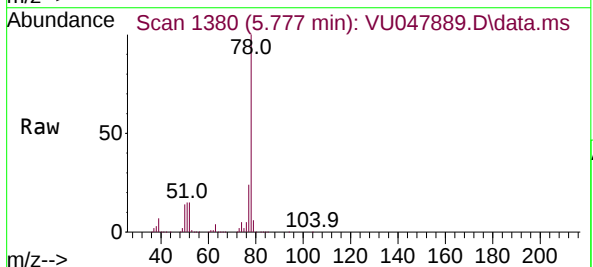
Instrument :
MSVOA_U
ClientSampleId :
C0J73

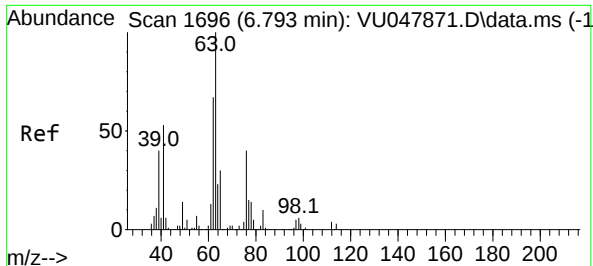
Tgt Ion:117 Resp: 8059
Ion Ratio Lower Upper
117 100
119 96.9 77.2 115.8



#33
Benzene
Concen: 490.975 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU047889.D
Acq: 08 Apr 2022 23:56

Tgt Ion: 78 Resp: 4807502





#37

1,2-Dichloropropane

Concen: 5.660 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU047889.D

Acq: 08 Apr 2022 23:56

Instrument :

MSVOA_U

ClientSampleId :

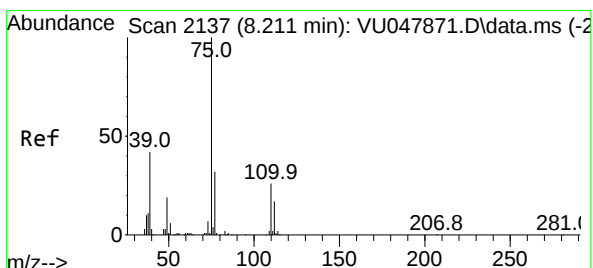
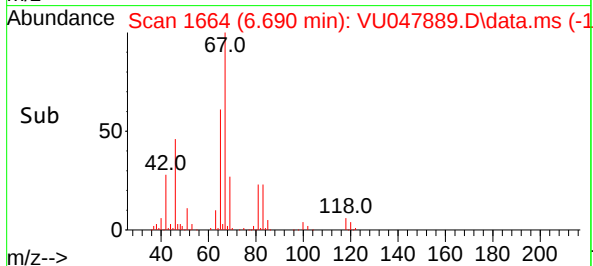
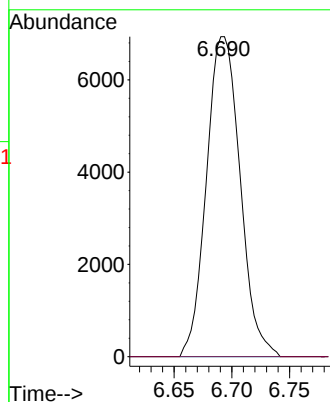
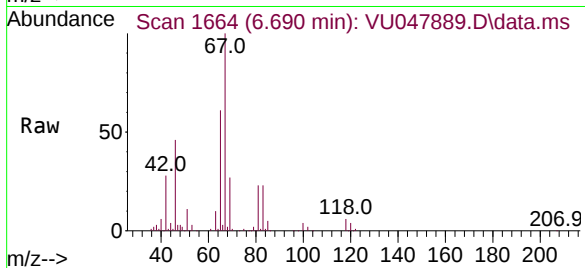
C0J73

Tgt Ion: 63 Resp: 14089

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#44

trans-1,3-Dichloropropene

Concen: 0.735 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.029 min

Lab File: VU047889.D

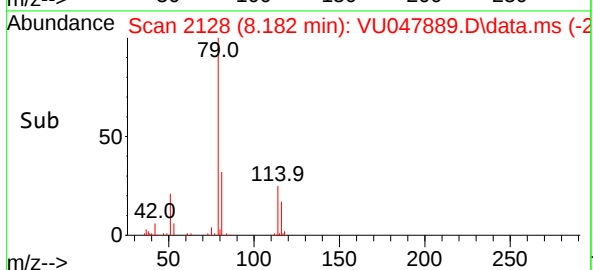
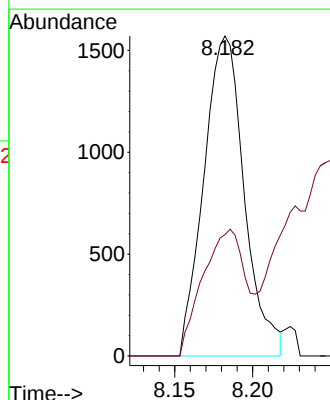
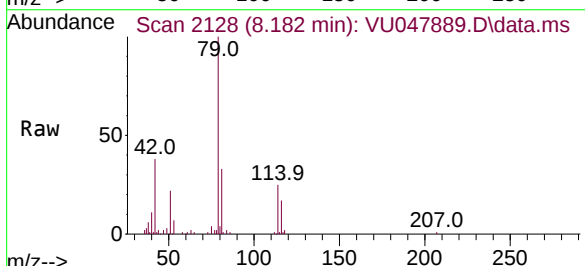
Acq: 08 Apr 2022 23:56

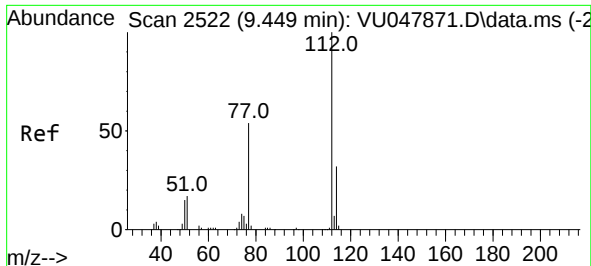
Tgt Ion: 75 Resp: 2833

Ion Ratio Lower Upper

75 100

77 37.9 22.0 40.8

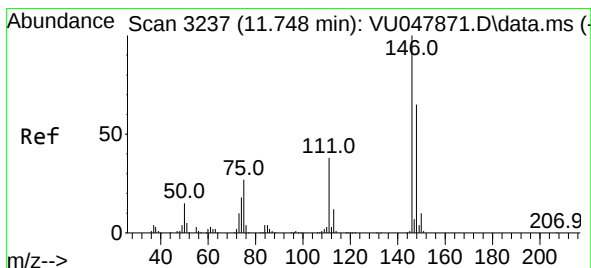
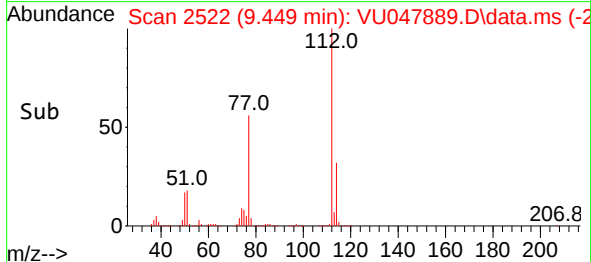
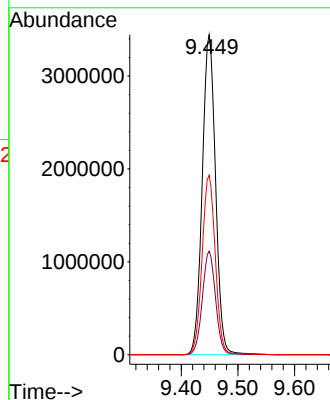
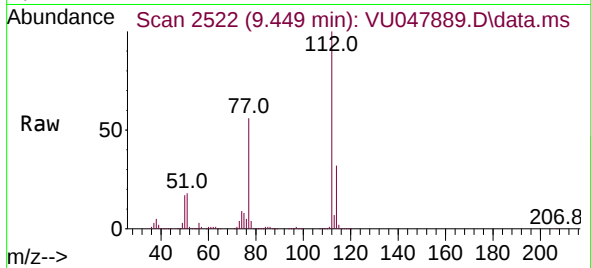




#51
Chlorobenzene
Concen: 771.046 ug/L
RT: 9.449 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047889.D
Acq: 08 Apr 2022 23:56

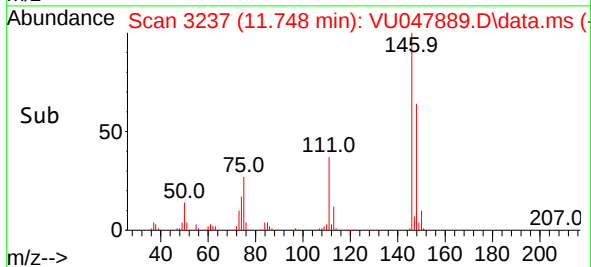
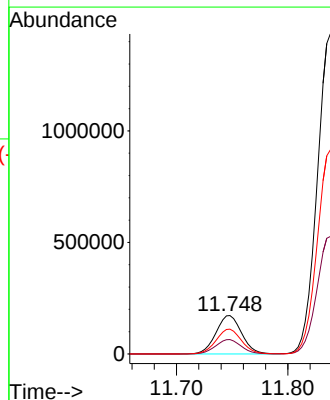
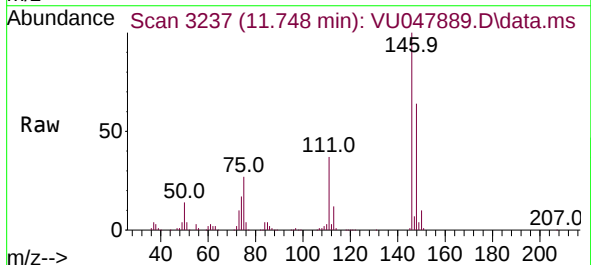
Instrument :
MSVOA_U
ClientSampleId :
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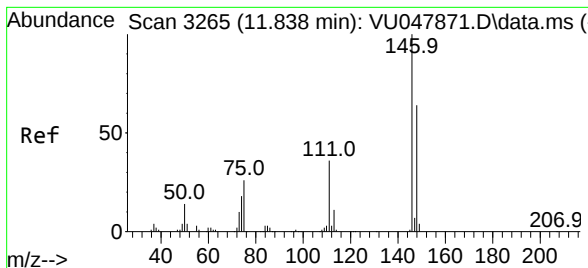
Tgt Ion:112 Resp: 5624771
Ion Ratio Lower Upper
112 100
114 32.3 22.1 41.1
77 56.1 43.4 65.0



#64
1,3-Dichlorobenzene
Concen: 48.738 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.000 min
Lab File: VU047889.D
Acq: 08 Apr 2022 23:56

Tgt Ion:146 Resp: 274791
Ion Ratio Lower Upper
146 100
111 37.2 26.7 49.7
148 64.4 44.4 82.5





#65

1,4-Dichlorobenzene

Concen: 376.972 ug/L

RT: 11.838 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU047889.D

Acq: 08 Apr 2022 23:56

Instrument :

MSVOA_U

ClientSampleId :

C0J73

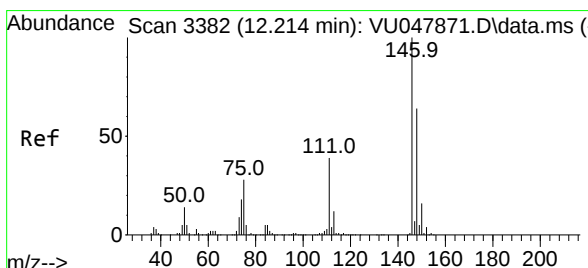
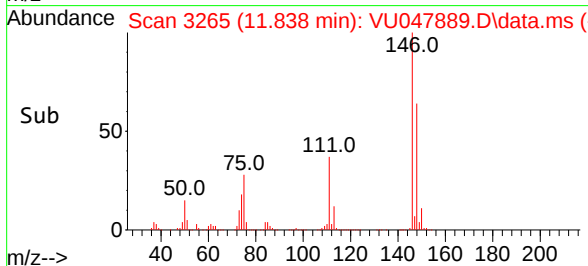
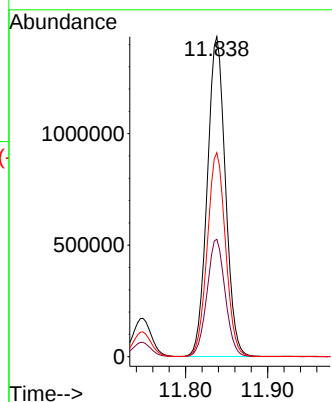
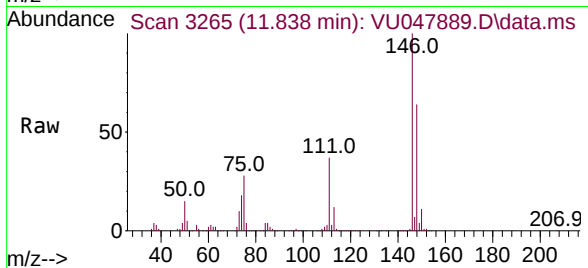
Tgt Ion:146 Resp: 2201478

Ion Ratio Lower Upper

146 100

111 36.7 25.3 47.1

148 63.8 44.5 82.7



#67

1,2-Dichlorobenzene

Concen: 425.912 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. 0.000 min

Lab File: VU047889.D

Acq: 08 Apr 2022 23:56

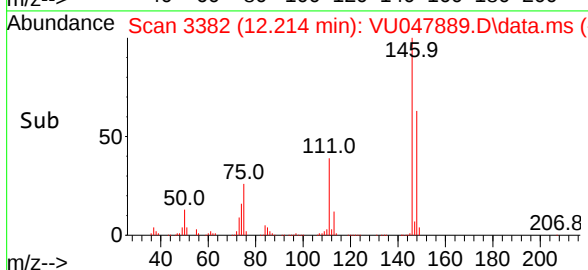
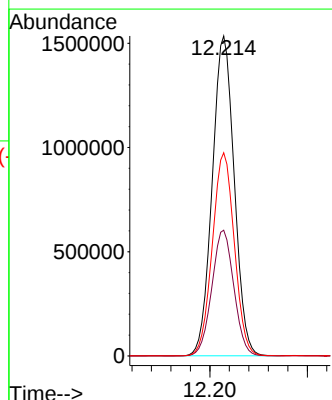
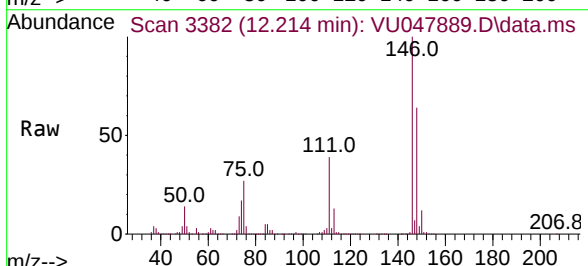
Tgt Ion:146 Resp: 2402753

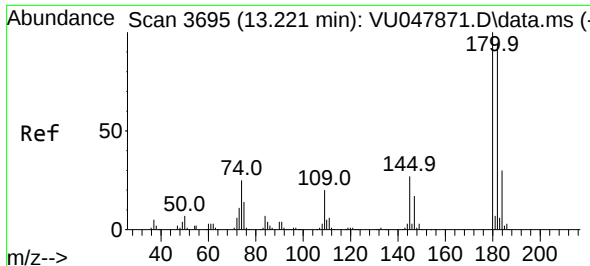
Ion Ratio Lower Upper

146 100

111 39.3 31.7 47.5

148 63.5 51.4 77.2



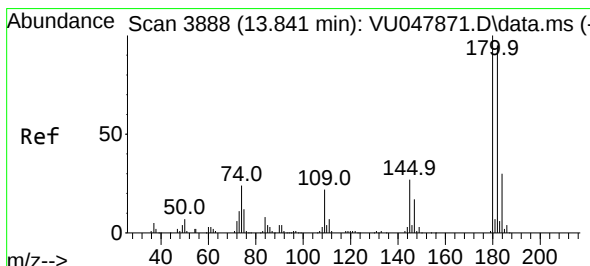
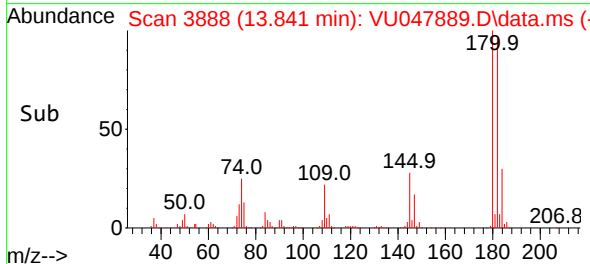
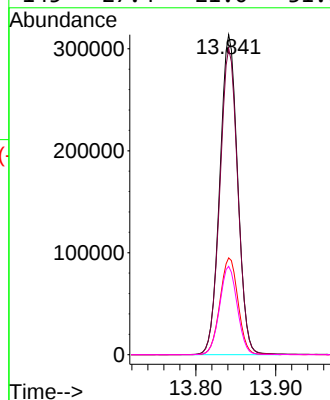
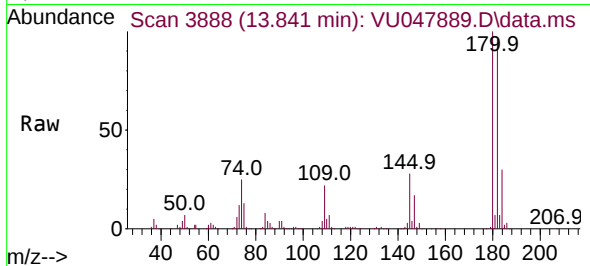


#69
 1,3,5-Trichlorobenzene
 Concen: 105.738 ug/L
 RT: 13.841 min Scan# 3695
 Delta R.T. 0.621 min
 Lab File: VU047889.D
 Acq: 08 Apr 2022 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J73

Tgt Ion:180 Resp: 484169

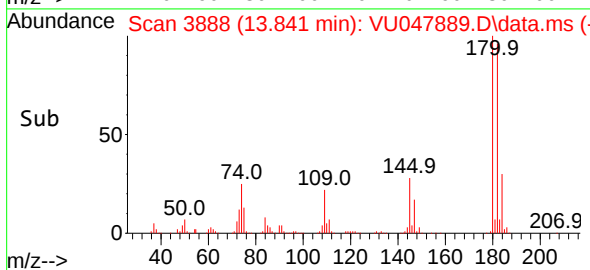
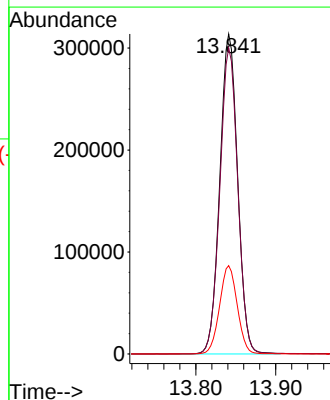
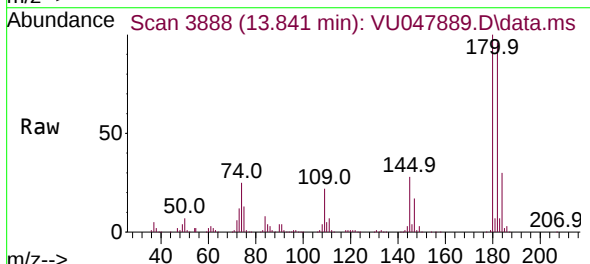
Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.0	115.6
184	30.7	24.5	36.7
145	27.4	21.0	31.6

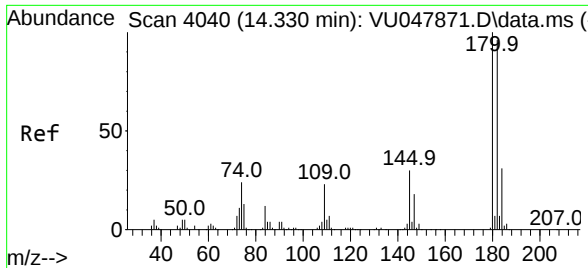


#70
 1,2,4-trichlorobenzene
 Concen: 120.719 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU047889.D
 Acq: 08 Apr 2022 23:56

Tgt Ion:180 Resp: 484169

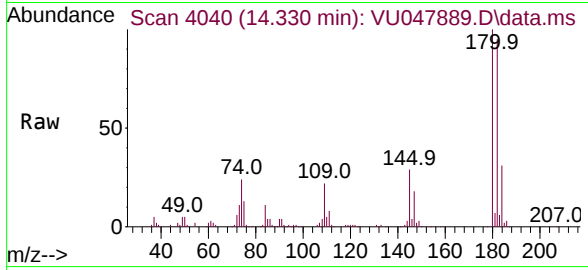
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.2	114.2
145	27.4	21.8	32.8





#72
 1,2,3-Trichlorobenzene
 Concen: 51.931 ug/L
 RT: 14.330 min Scan# 4040
 Delta R.T. 0.000 min
 Lab File: VU047889.D
 Acq: 08 Apr 2022 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J73



Tgt Ion:	180	Resp:	208798
Ion Ratio	Lower	Upper	
180	100		
182	95.6	77.4	116.0
145	29.3	22.8	34.2

