

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042322\
 Data File : VU048243.D
 Acq On : 23 Apr 2022 14:03
 Operator : SY/MD
 Sample : N2486-19 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Quant Time: Apr 25 01:25:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 25 01:24:32 2022
 Response via : Initial Calibration

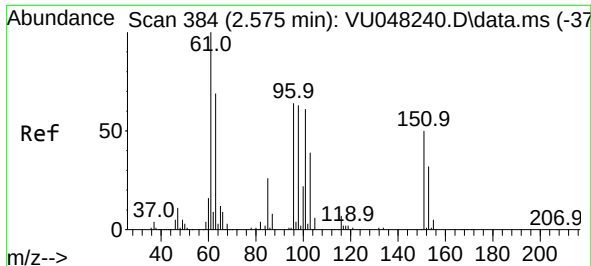
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	297577	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	311168	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	149106	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	107207	49.681	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	99.360%		
7) Chloroethane-d5	1.897	69	82398	48.426	ug/L	0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.860%		
11) 1,1-Dichloroethene-d2	2.562	63	132639	33.596	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.200%		
21) 2-Butanone-d5	4.623	46	177611	95.892	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.890%		
24) Chloroform-d	5.064	84	182693	46.270	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.540%		
26) 1,2-Dichloroethane-d4	5.700	65	114138	47.132	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.260%		
32) Benzene-d6	5.726	84	380533	48.600	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.200%		
36) 1,2-Dichloropropane-d6	6.691	67	119151	49.551	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.100%		
41) Toluene-d8	7.896	98	312853	41.011	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.020%		
43) trans-1,3-Dichloroprop...	8.179	79	44968	36.913	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.820%		
47) 2-Hexanone-d5	8.636	63	121979	86.653	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	86.650%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	206064	49.934	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.860%		
66) 1,2-Dichlorobenzene-d4	12.195	152	136753	51.552	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.100%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1142	0.521	ug/L #	18
12) 1,1-Dichloroethene	2.566	96	1174	0.575	ug/L #	1
16) Methylene chloride	3.045	84	2624	1.120	ug/L	97
51) Chlorobenzene	9.446	112	240717	35.873	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	16124	3.600	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	60207	12.977	ug/L	98
67) 1,2-Dichlorobenzene	12.215	146	665948	148.593	ug/L	100
69) 1,3,5-Trichlorobenzene	13.842	180	60106	16.523	ug/L	99
70) 1,2,4-trichlorobenzene	13.842	180	60106	18.864	ug/L	98
72) 1,2,3-Trichlorobenzene	14.334	180	10290	3.222	ug/L	99

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

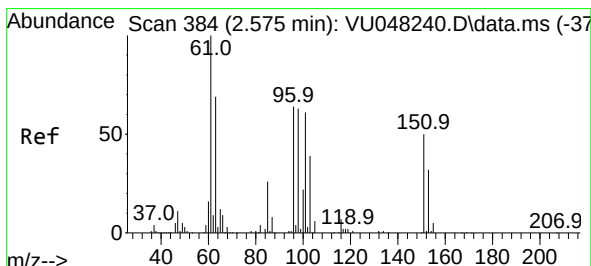
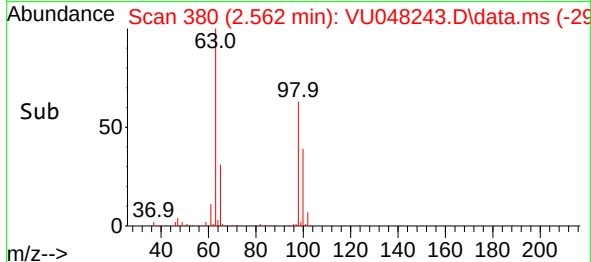
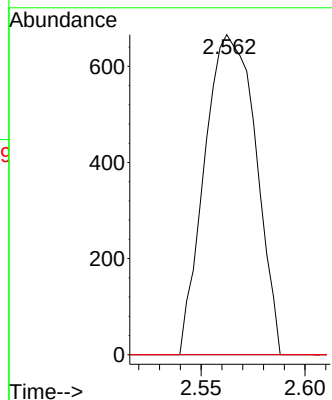
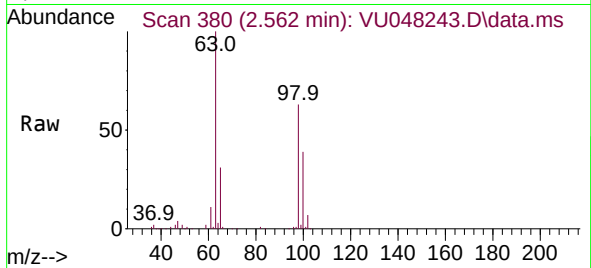
The chromatogram displays a series of peaks corresponding to different chemical compounds. The y-axis represents Abundance, ranging from 0 to 1,900,000. The x-axis represents Time in minutes, ranging from 0.00 to 17.00. The following table lists the labeled compounds and their approximate retention times:

Compound	Approximate Retention Time (min)
Vinyl Chloride-d3,S	1.5
Chloroethane-d5,S	1.8
1,1,2-Trichloroethane-d0,T	2.5
Methylene chloride,T	2.8
2-Butanone-d5,S	4.5
Chloroform-d,S	5.0
1,2-Dichloroethane-d6,S	5.8
1,4-Difluorobenzene,I	6.2
1,2-Dichloropropane-d6,S	6.8
Toluene-d8,S	7.8
trans-1,3-Dichloropropene-d4,S	8.2
2-Hexanone-d5,S	8.8
Chlorobenzene-d5,I	9.5
1,1,2,2-Tetrachloroethane-d2,S	10.8
1,3-Dichlorobenzene,T	11.8
1,4-Dichlorobenzene-d4,I	12.2
1,2-Dichlorobenzene,T	12.5
1,3,5-Trichlorobenzene,T	13.8
1,2,3-Trichlorobenzene,T	14.2



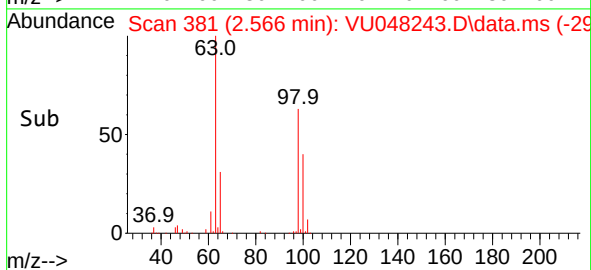
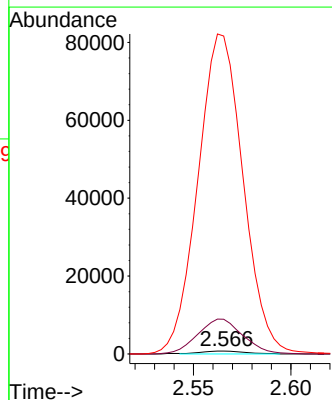
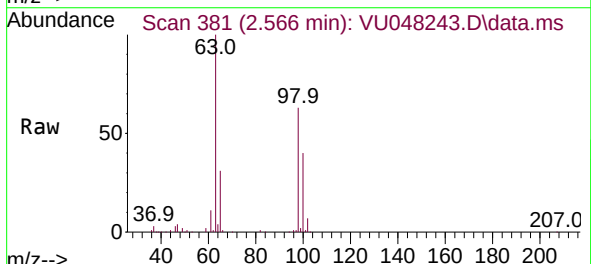
#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.521 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.012 min
 Lab File: VU048243.D
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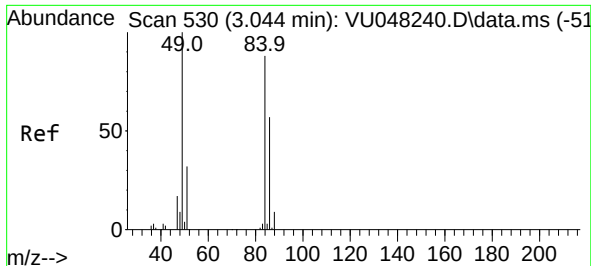
Tgt Ion: 101 Resp: 1142
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#



#12
 1,1-Dichloroethene
 Concen: 0.575 ug/L
 RT: 2.566 min Scan# 381
 Delta R.T. -0.009 min
 Lab File: VU048243.D
 Acq: 23 Apr 2022 14:03

Tgt Ion: 96 Resp: 1174
 Ion Ratio Lower Upper
 96 100
 61 1184.5 113.1 210.1#
 63 10840.9 94.8 176.0#

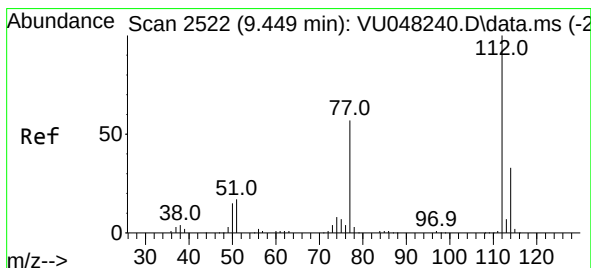
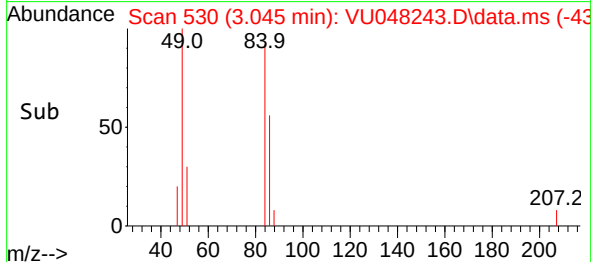
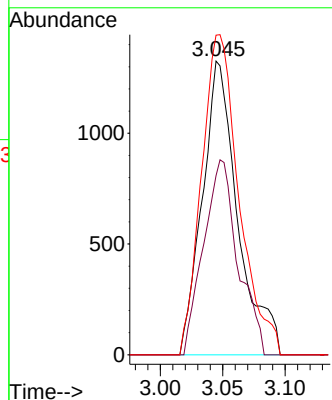
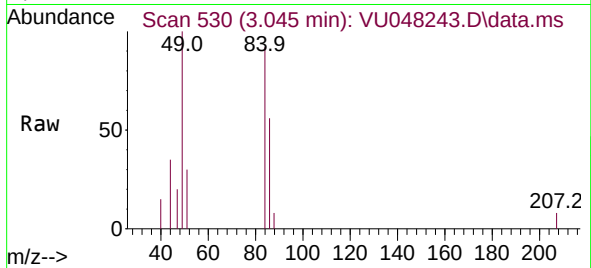




#16
Methylene chloride
Concen: 1.120 ug/L
RT: 3.045 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU048243.D
Acq: 23 Apr 2022 14:03

Tgt Ion: 84 Resp: 2624

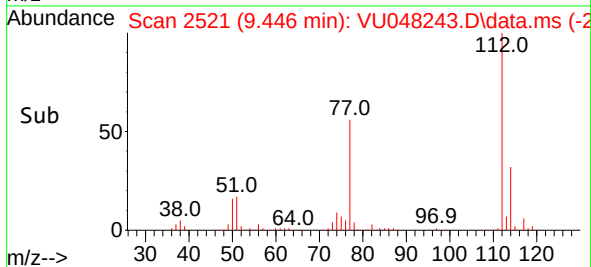
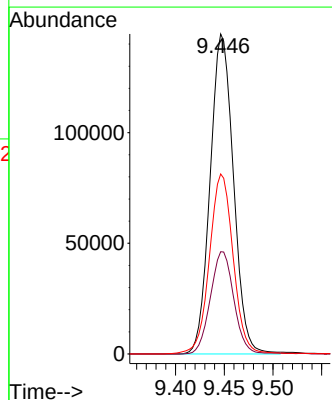
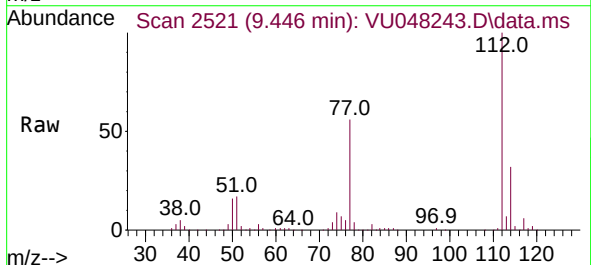
Ion	Ratio	Lower	Upper
84	100		
86	61.0	46.0	85.4
49	108.8	75.3	139.8

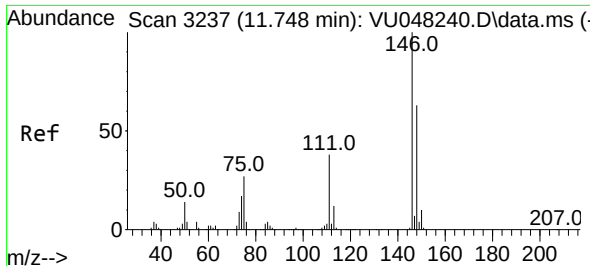


#51
Chlorobenzene
Concen: 35.873 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VU048243.D
Acq: 23 Apr 2022 14:03

Tgt Ion: 112 Resp: 240717

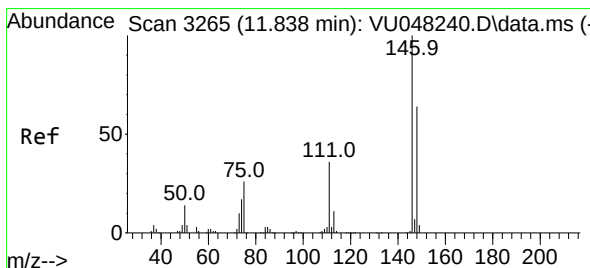
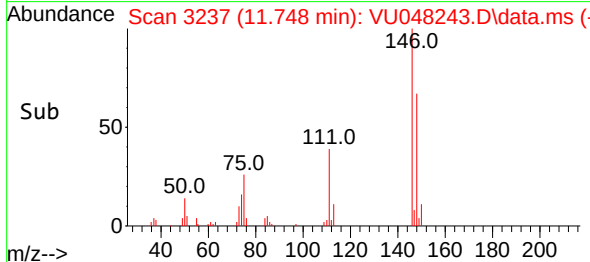
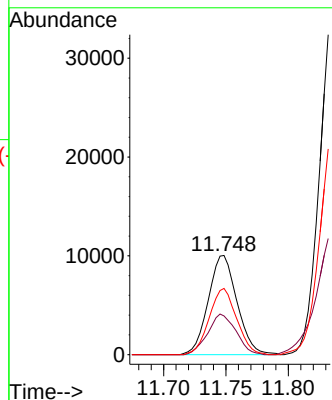
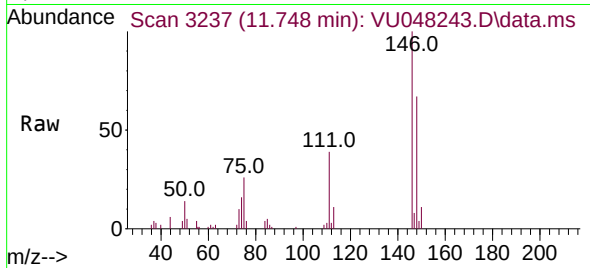
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.1	41.1
77	56.3	43.4	65.0





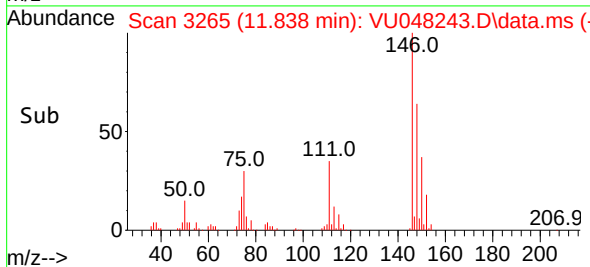
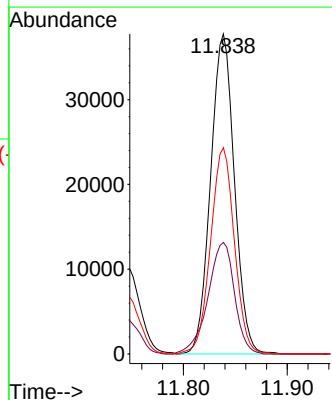
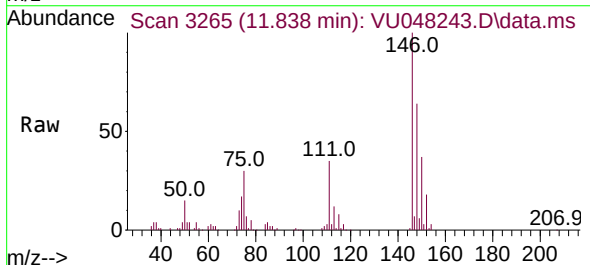
#64
1,3-Dichlorobenzene
Concen: 3.600 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.000 min
Lab File: VU048243.D
Acq: 23 Apr 2022 14:03

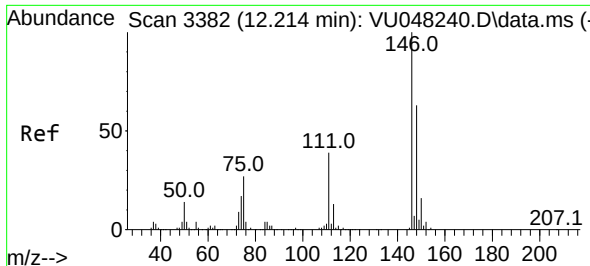
Tgt Ion:146 Resp: 16124
Ion Ratio Lower Upper
146 100
111 39.1 26.7 49.7
148 66.8 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 12.977 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU048243.D
Acq: 23 Apr 2022 14:03

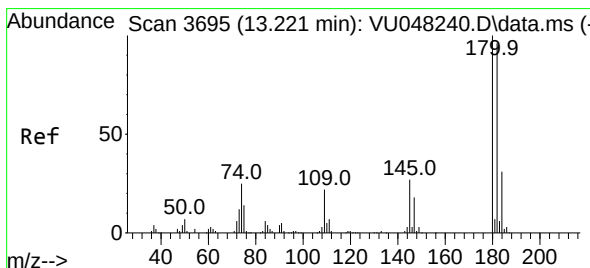
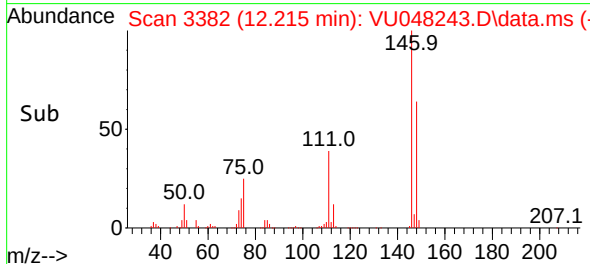
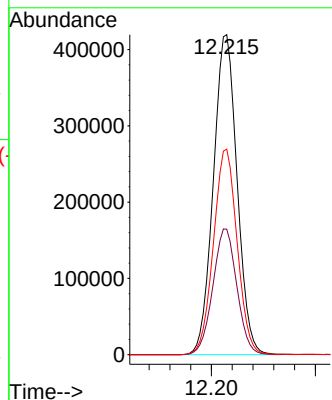
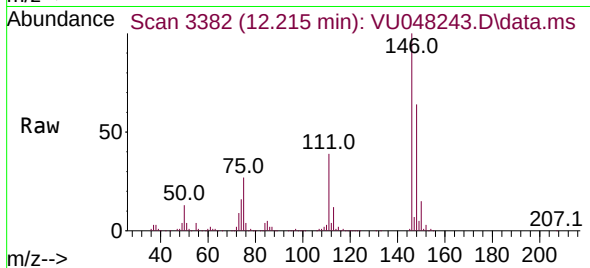
Tgt Ion:146 Resp: 60207
Ion Ratio Lower Upper
146 100
111 34.8 25.3 47.1
148 64.4 44.5 82.7





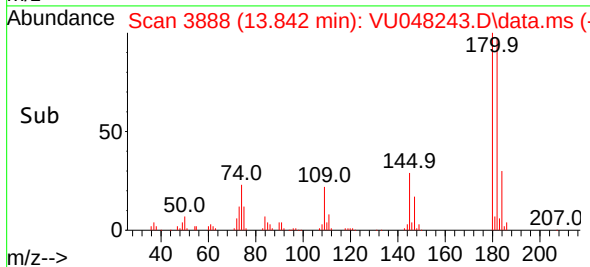
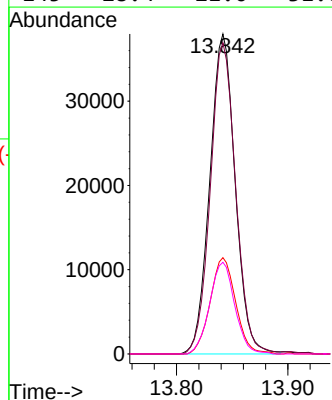
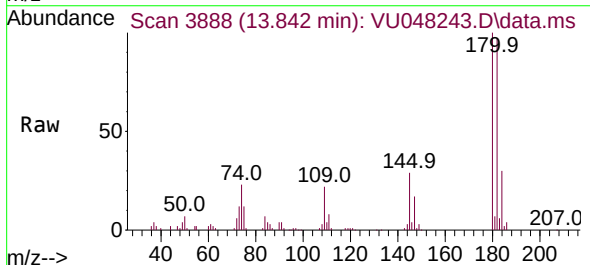
#67
1,2-Dichlorobenzene
Concen: 148.593 ug/L
RT: 12.215 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU048243.D
Acq: 23 Apr 2022 14:03

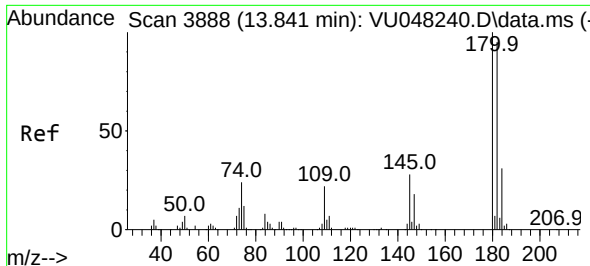
Tgt Ion:146 Resp: 665948
Ion Ratio Lower Upper
146 100
111 39.2 31.7 47.5
148 64.2 51.4 77.2



#69
1,3,5-Trichlorobenzene
Concen: 16.523 ug/L
RT: 13.842 min Scan# 3888
Delta R.T. 0.621 min
Lab File: VU048243.D
Acq: 23 Apr 2022 14:03

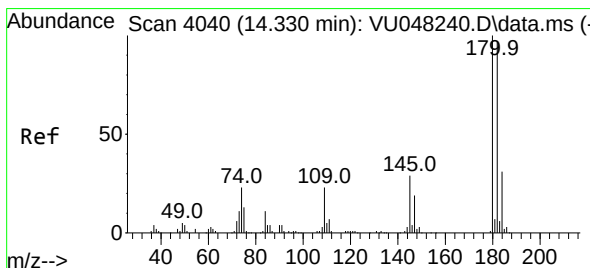
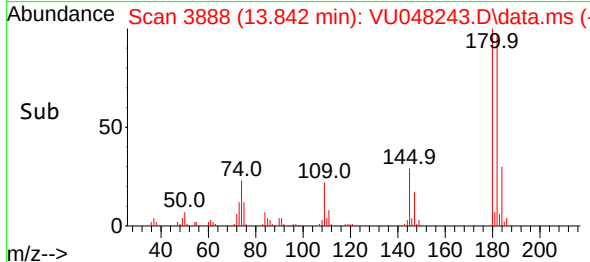
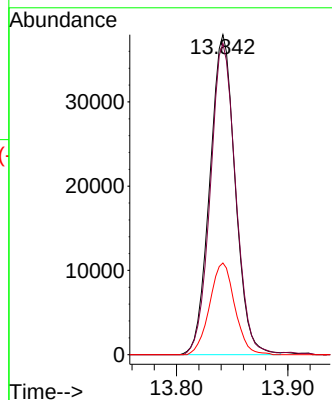
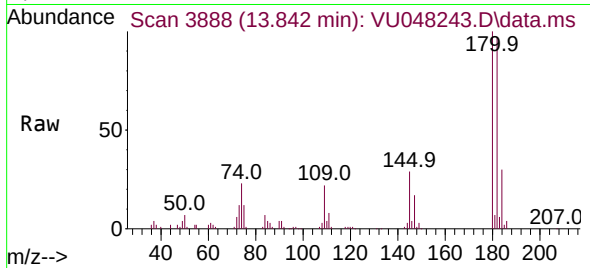
Tgt Ion:180 Resp: 60106
Ion Ratio Lower Upper
180 100
182 96.7 77.0 115.6
184 30.3 24.5 36.7
145 28.4 21.0 31.6





#70
1,2,4-trichlorobenzene
Concen: 18.864 ug/L
RT: 13.842 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU048243.D
Acq: 23 Apr 2022 14:03

Tgt Ion:180 Resp: 60106
Ion Ratio Lower Upper
180 100
182 96.7 76.2 114.2
145 28.4 21.8 32.8



#72
1,2,3-Trichlorobenzene
Concen: 3.222 ug/L
RT: 14.334 min Scan# 4041
Delta R.T. 0.004 min
Lab File: VU048243.D
Acq: 23 Apr 2022 14:03

Tgt Ion:180 Resp: 10290
Ion Ratio Lower Upper
180 100
182 96.0 77.4 116.0
145 29.7 22.8 34.2

