

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042322\
 Data File : VU048244.D
 Acq On : 23 Apr 2022 14:27
 Operator : SY/MD
 Sample : N2486-20 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Apr 25 01:25:44 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

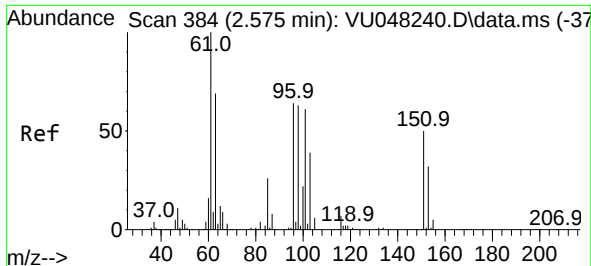
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	311644	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	311733	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	150820	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	106872	47.290	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.580%
7) Chloroethane-d5	1.890	69	82779	46.454	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.900%
11) 1,1-Dichloroethene-d2	2.562	63	134461	32.520	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.040%
21) 2-Butanone-d5	4.626	46	175918	90.691	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.690%
24) Chloroform-d	5.063	84	182235	44.070	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.140%
26) 1,2-Dichloroethane-d4	5.703	65	115534	45.555	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.120%
32) Benzene-d6	5.726	84	385052	49.088	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.180%
36) 1,2-Dichloropropane-d6	6.690	67	126568	52.540	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.080%
41) Toluene-d8	7.899	98	318086	41.621	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.240%
43) trans-1,3-Dichloroprop...	8.179	79	46409	38.026	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.060%
47) 2-Hexanone-d5	8.639	63	128714	91.272	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.270%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	214496	51.883	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.760%
66) 1,2-Dichlorobenzene-d4	12.195	152	138304	51.544	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.080%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1349	0.587	ug/L #	18
12) 1,1-Dichloroethene	2.562	96	1096	0.513	ug/L #	1
16) Methylene chloride	3.041	84	2816	1.148	ug/L	95
22) 2-Butanone	4.719	43	3417	1.469	ug/L	100
37) 1,2-Dichloropropane	6.690	63	12615	5.500	ug/L #	87
39) cis-1,3-Dichloropropene	7.565	75	2542	0.714	ug/L #	62
51) Chlorobenzene	9.449	112	240511	35.778	ug/L	97
60) 1,2,3-Trichloropropane	11.748	75	4126	1.451	ug/L #	46
64) 1,3-Dichlorobenzene	11.748	146	15800	3.487	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	60613	12.916	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	670084	147.816	ug/L	100
69) 1,3,5-Trichlorobenzene	13.841	180	61420	16.693	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	61420	19.058	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	10936	3.385	ug/L	96

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

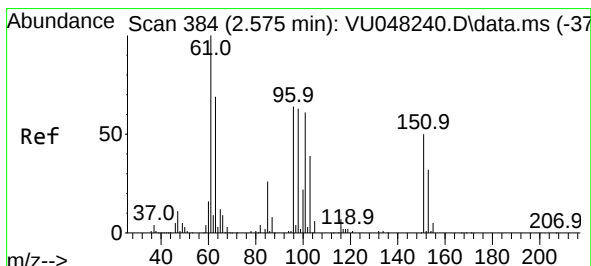
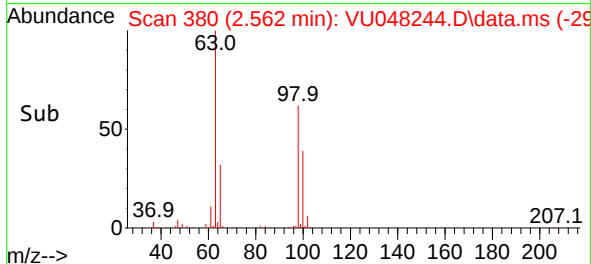
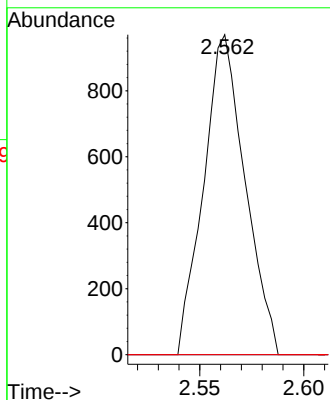
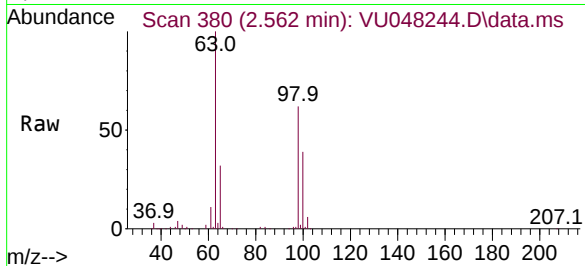
The chromatogram displays the abundance of various chemical compounds over time. The y-axis represents Abundance, ranging from 0 to 2,000,000. The x-axis represents Time in minutes, ranging from 0.00 to 17.00. The following table lists the labeled compounds and their approximate retention times:

Compound	Retention Time (min)
Vinyl Chloride-d3,S	1.5
Chloroethane-d5,S	1.8
1,1-Dichloroethane-d4,S	2.2
Methylene chloride,T	2.5
2-Butanone,T	4.5
Chloroform-d,S	5.0
1,2-Dichloroethane-d6,S	5.5
1,4-Difluorobenzene,I	6.0
1,2-Dichloropropane-d6,S	6.5
cis-1,3-Dichloropropene,T	7.5
Toluene-d8,S	8.0
trans-1,3-Dichloropropene-d4,S	8.2
2-Hexanone-d5,S	8.5
Chlorobenzene-d5,I	9.5
1,1,2,2-Tetrachloroethane-d2,S	10.8
1,2-Dichlorobenzene-d4,S	12.0
1,2-Dichlorobenzene,T	12.1
1,3,5-Trichlorobenzene,T	13.8
1,2,3-Trichlorobenzene,T	14.2



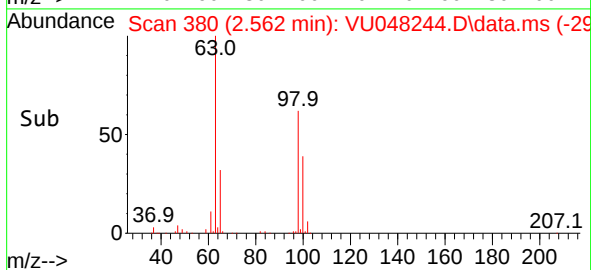
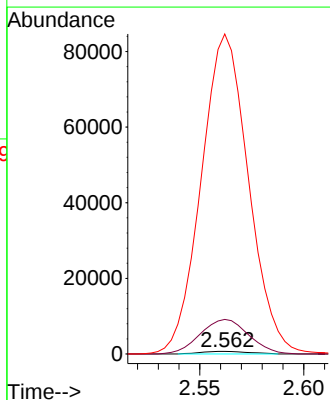
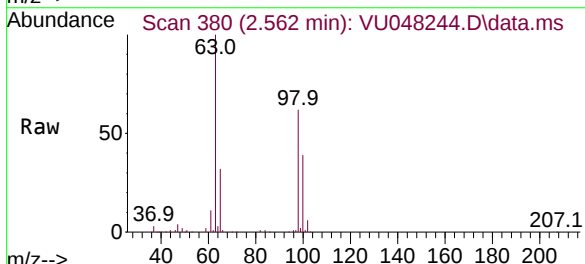
#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.587 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.013 min
 Lab File: VU048244.D
 Acq: 23 Apr 2022 14:27

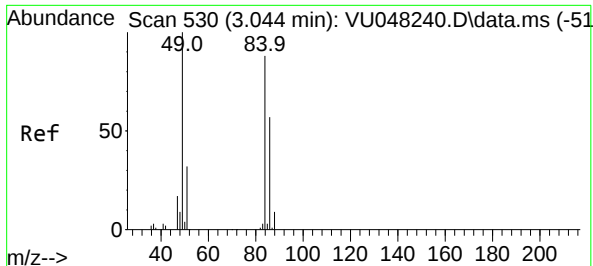
Tgt Ion	Ratio	Lower	Upper
101	100		
85	0.0	32.8	49.2#
151	0.0	63.0	94.6#



#12
 1,1-Dichloroethene
 Concen: 0.513 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.013 min
 Lab File: VU048244.D
 Acq: 23 Apr 2022 14:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	1369.9	113.1	210.1#
63	12671.9	94.8	176.0#

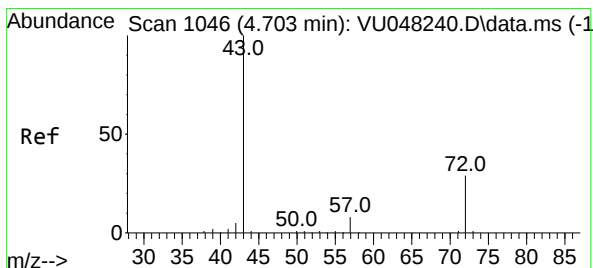
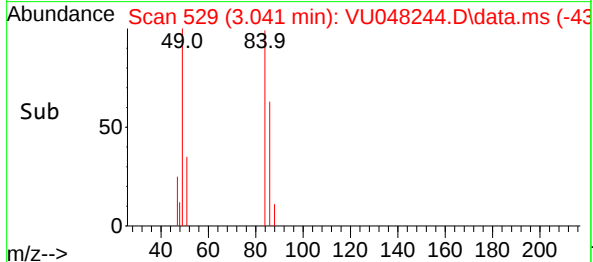
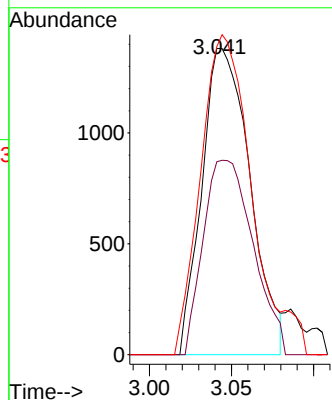
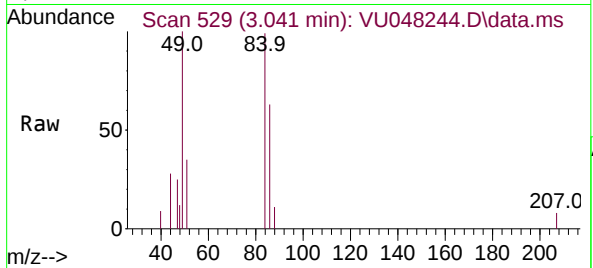




#16
Methylene chloride
Concen: 1.148 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU048244.D
Acq: 23 Apr 2022 14:27

Tgt Ion: 84 Resp: 2816

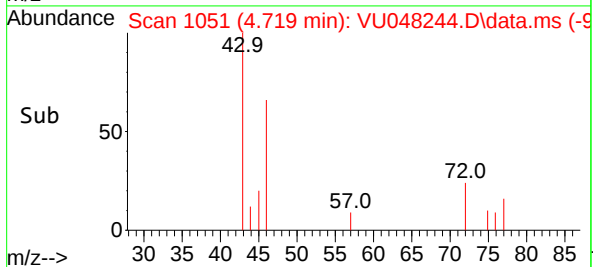
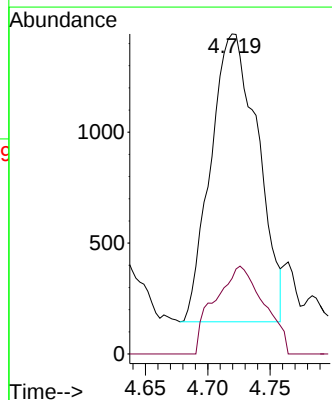
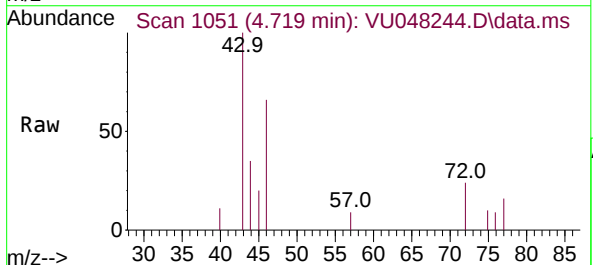
Ion	Ratio	Lower	Upper
84	100		
86	63.0	46.0	85.4
49	100.7	75.3	139.8

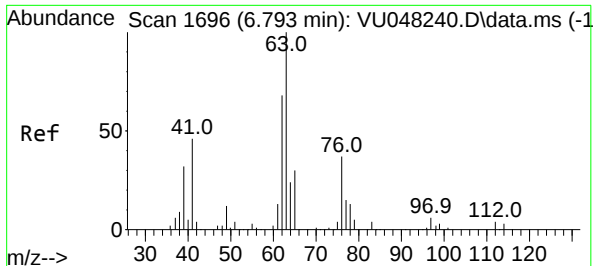


#22
2-Butanone
Concen: 1.469 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. 0.016 min
Lab File: VU048244.D
Acq: 23 Apr 2022 14:27

Tgt Ion: 43 Resp: 3417

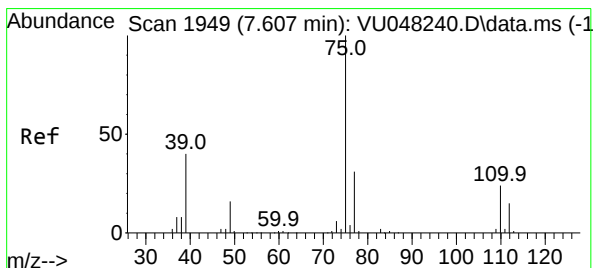
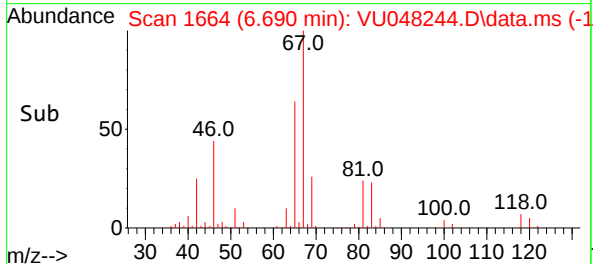
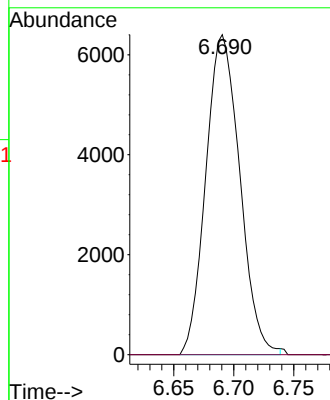
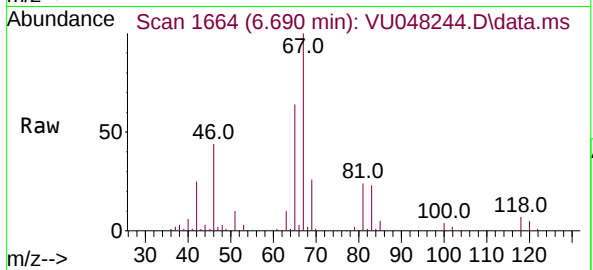
Ion	Ratio	Lower	Upper
43	100		
72	31.8	16.0	47.9





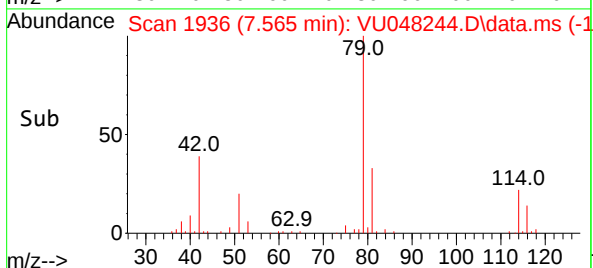
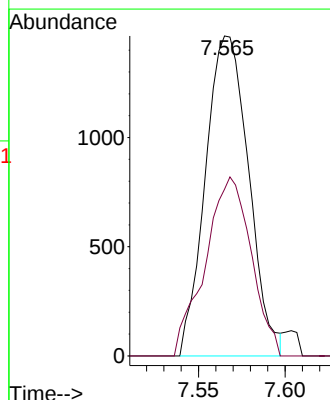
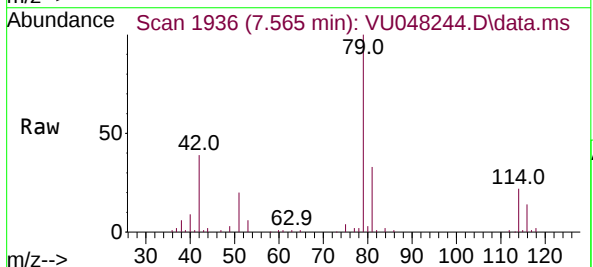
#37
1,2-Dichloropropane
Concen: 5.500 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU048244.D
Acq: 23 Apr 2022 14:27

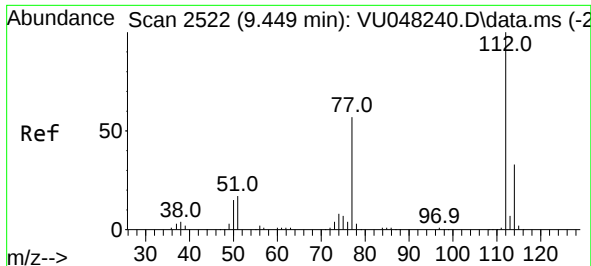
Tgt Ion: 63 Resp: 12615
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



#39
cis-1,3-Dichloropropene
Concen: 0.714 ug/L
RT: 7.565 min Scan# 1936
Delta R.T. -0.042 min
Lab File: VU048244.D
Acq: 23 Apr 2022 14:27

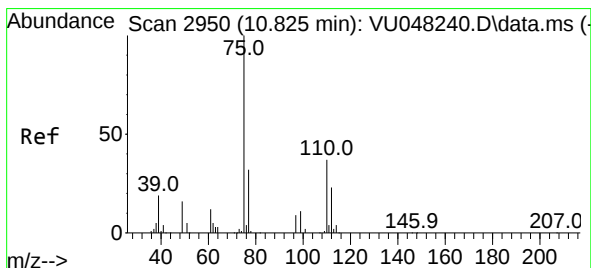
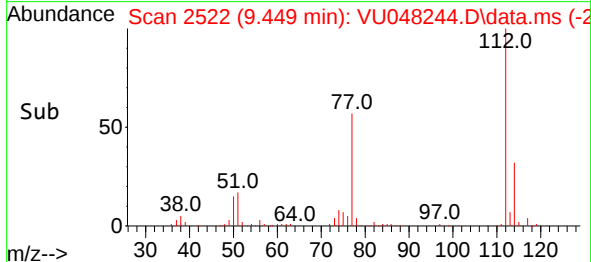
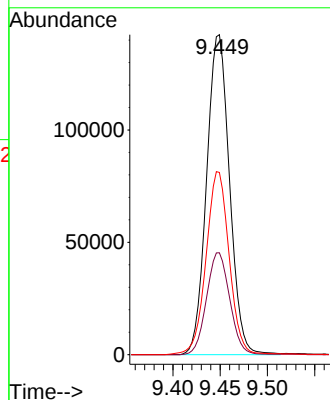
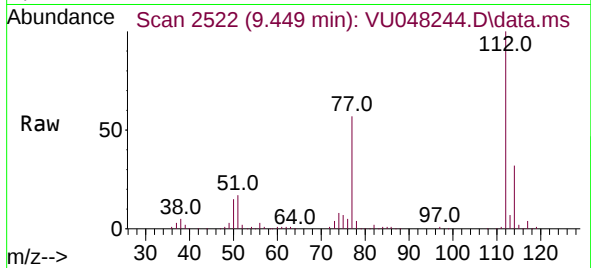
Tgt Ion: 75 Resp: 2542
Ion Ratio Lower Upper
75 100
77 52.1 21.8 40.6#





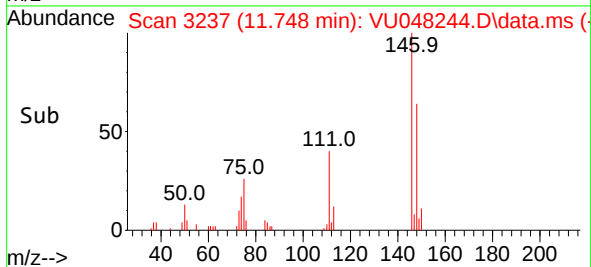
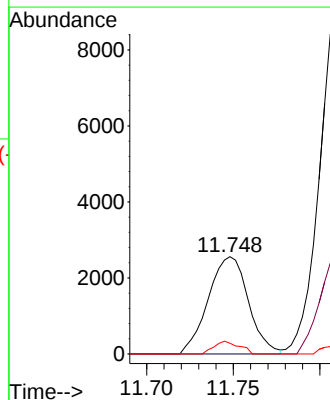
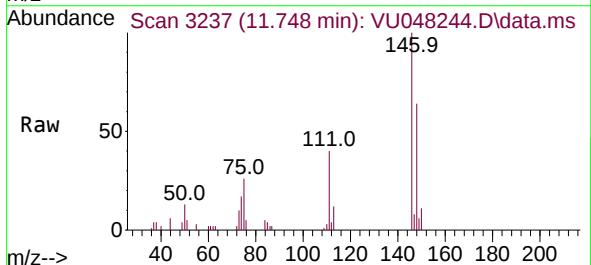
#51
Chlorobenzene
Concen: 35.778 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU048244.D
Acq: 23 Apr 2022 14:27

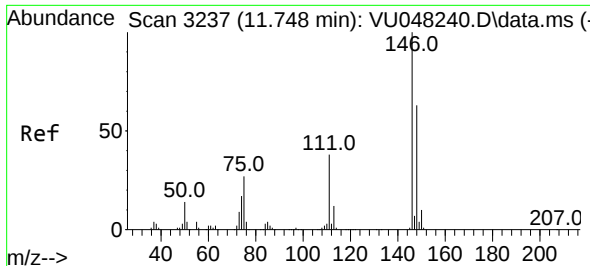
Tgt Ion:112 Resp: 240511
Ion Ratio Lower Upper
112 100
114 31.8 22.1 41.1
77 56.9 43.4 65.0



#60
1,2,3-Trichloropropane
Concen: 1.451 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.923 min
Lab File: VU048244.D
Acq: 23 Apr 2022 14:27

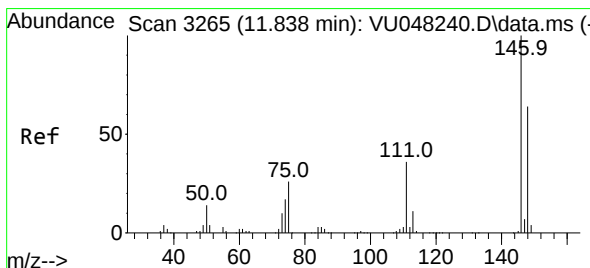
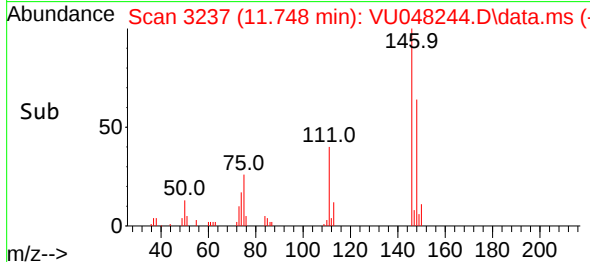
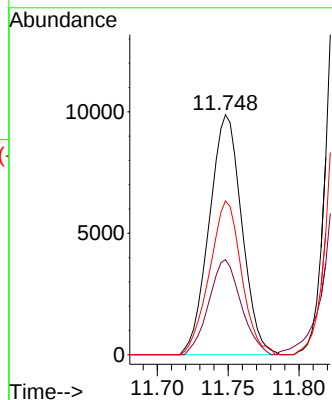
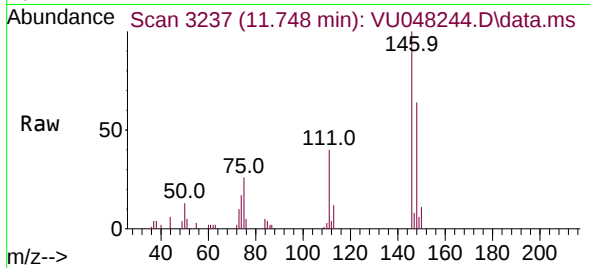
Tgt Ion: 75 Resp: 4126
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#
110 8.1 31.4 47.2#





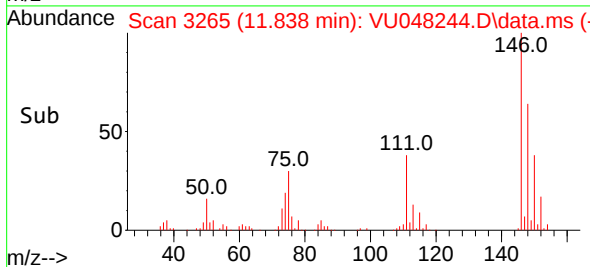
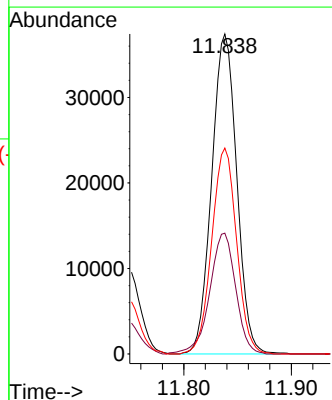
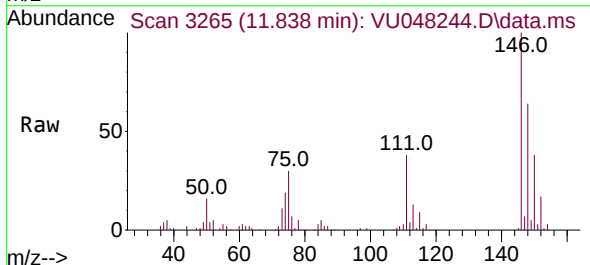
#64
1,3-Dichlorobenzene
Concen: 3.487 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.000 min
Lab File: VU048244.D
Acq: 23 Apr 2022 14:27

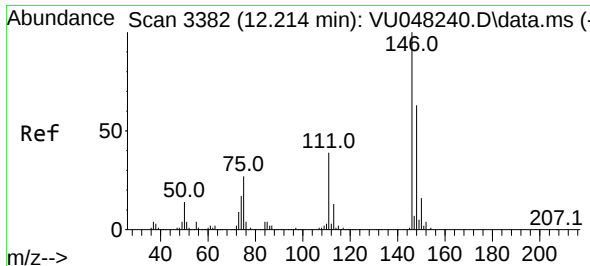
Tgt Ion:146 Resp: 15800
Ion Ratio Lower Upper
146 100
111 39.6 26.7 49.7
148 64.1 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 12.916 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU048244.D
Acq: 23 Apr 2022 14:27

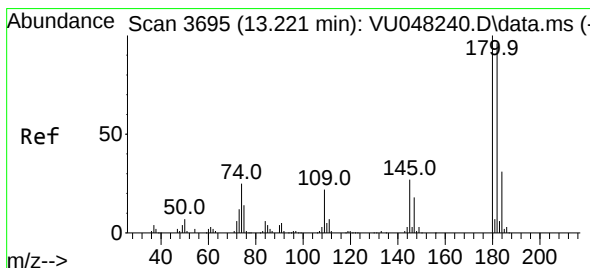
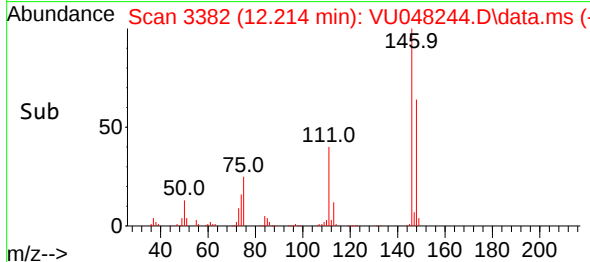
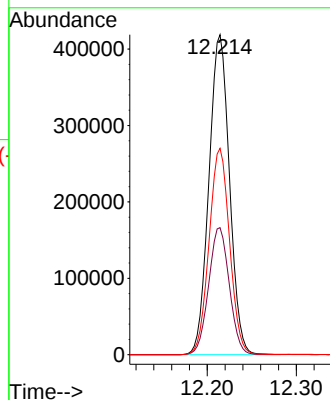
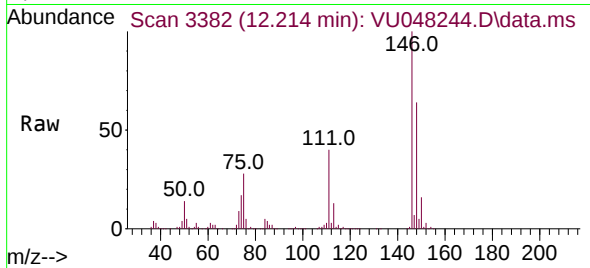
Tgt Ion:146 Resp: 60613
Ion Ratio Lower Upper
146 100
111 37.7 25.3 47.1
148 64.3 44.5 82.7





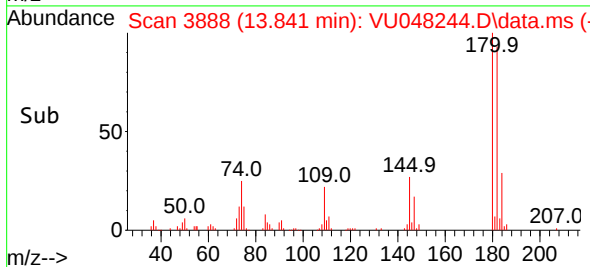
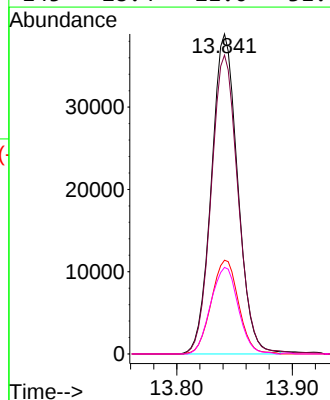
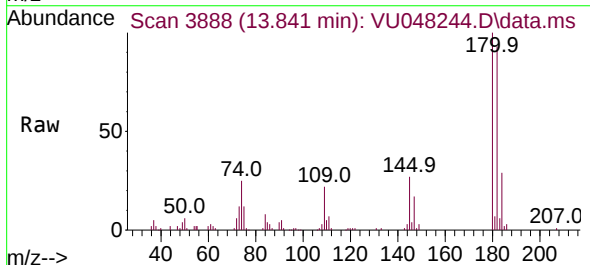
#67
1,2-Dichlorobenzene
Concen: 147.816 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU048244.D
Acq: 23 Apr 2022 14:27

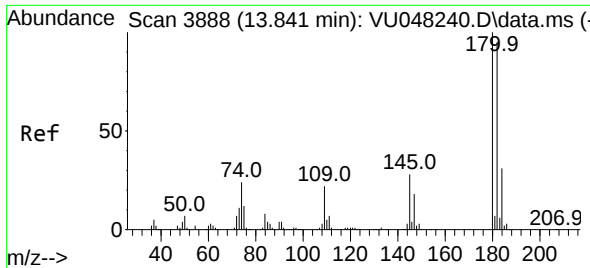
Tgt Ion:146 Resp: 670084
Ion Ratio Lower Upper
146 100
111 39.7 31.7 47.5
148 64.5 51.4 77.2



#69
1,3,5-Trichlorobenzene
Concen: 16.693 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.621 min
Lab File: VU048244.D
Acq: 23 Apr 2022 14:27

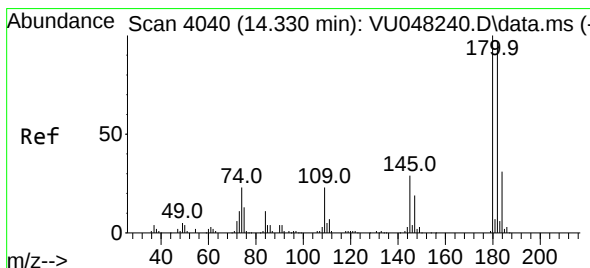
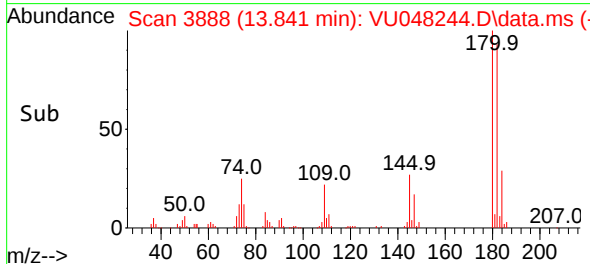
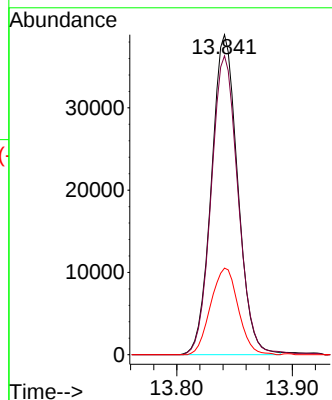
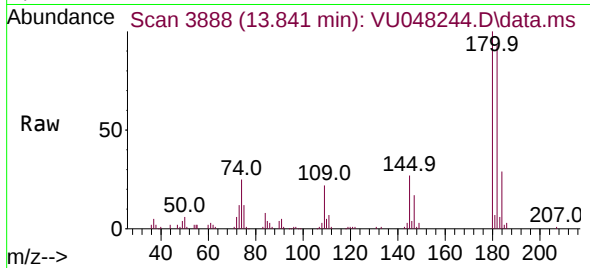
Tgt Ion:180 Resp: 61420
Ion Ratio Lower Upper
180 100
182 95.4 77.0 115.6
184 30.5 24.5 36.7
145 28.4 21.0 31.6





#70
1,2,4-trichlorobenzene
Concen: 19.058 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU048244.D
Acq: 23 Apr 2022 14:27

Tgt Ion:180 Resp: 61420
Ion Ratio Lower Upper
180 100
182 95.4 76.2 114.2
145 28.4 21.8 32.8



#72
1,2,3-Trichlorobenzene
Concen: 3.385 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048244.D
Acq: 23 Apr 2022 14:27

Tgt Ion:180 Resp: 10936
Ion Ratio Lower Upper
180 100
182 93.7 77.4 116.0
145 25.8 22.8 34.2

