

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042122\
 Data File : VU048198.D
 Acq On : 22 Apr 2022 02:20
 Operator : SY/MD
 Sample : N2488-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0HX4

Quant Time: Apr 22 06:37:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 22 02:51:38 2022
 Response via : Initial Calibration

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

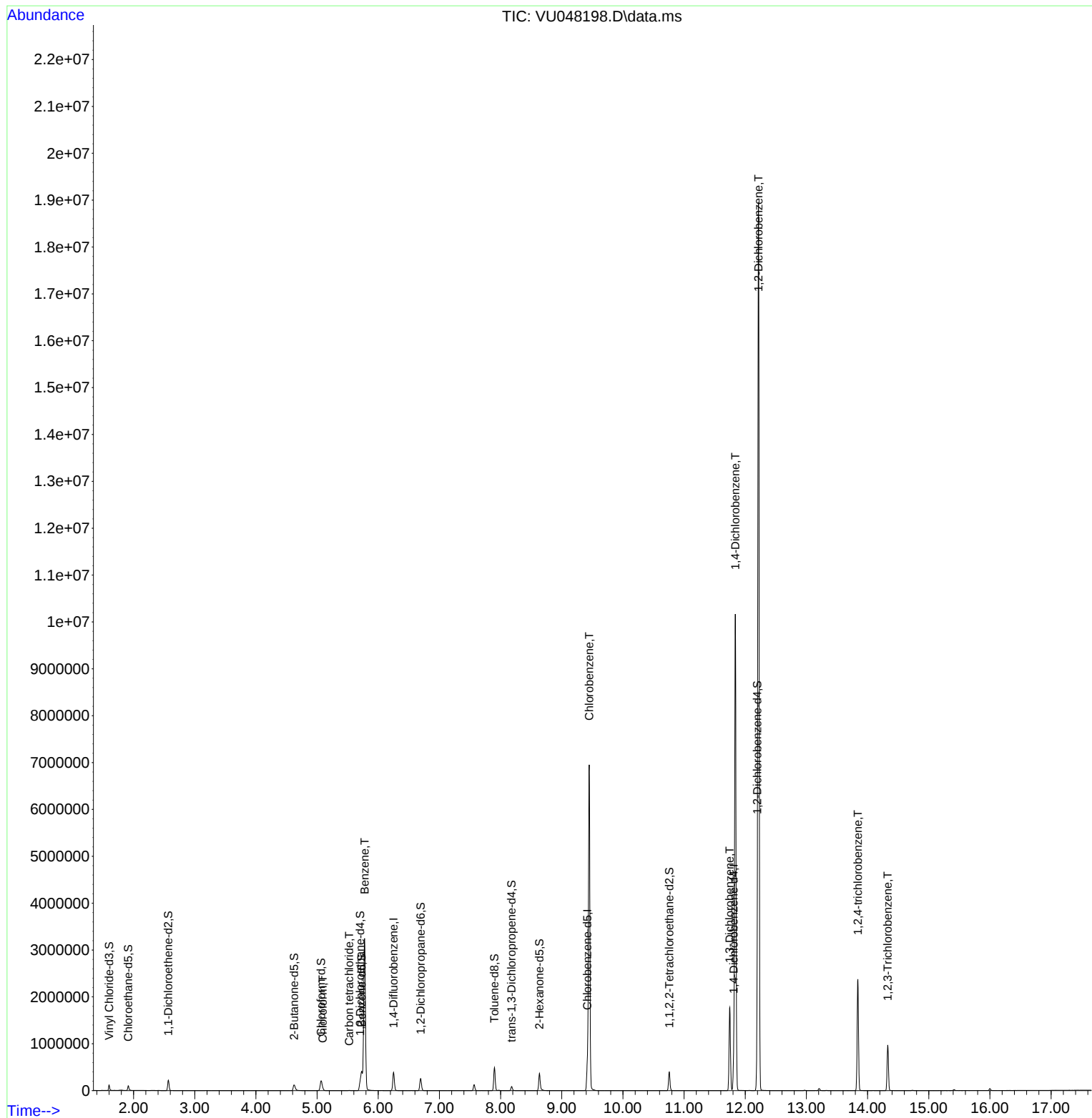
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	331532	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	337418	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	197810	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	91565	38.086	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.180%
7) Chloroethane-d5	1.912	69	80891	42.671	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.340%
11) 1,1-Dichloroethene-d2	2.568	63	127820	29.059	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.120%#
21) 2-Butanone-d5	4.623	46	176065	85.322	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.320%
24) Chloroform-d	5.067	84	193702	44.034	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.060%
26) 1,2-Dichloroethane-d4	5.703	65	120843	44.790	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.580%
32) Benzene-d6	5.729	84	385580	45.414	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.820%
36) 1,2-Dichloropropane-d6	6.694	67	129540	49.680	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.360%
41) Toluene-d8	7.899	98	331277	40.047	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.100%
43) trans-1,3-Dichloroprop...	8.179	79	50435	38.179	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.360%
47) 2-Hexanone-d5	8.636	63	119389	78.215	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.220%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	199987	44.691	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.380%
66) 1,2-Dichlorobenzene-d4	12.198	152	165517	47.032	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.060%
Target Compounds						
					Qvalue	
25) Chloroform	5.092	83	31088	6.826	ug/L	96
31) Carbon tetrachloride	5.523	117	3323	0.962	ug/L	97
33) Benzene	5.777	78	3182222	325.825	ug/L	100
51) Chlorobenzene	9.449	112	3861604	530.711	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	762791	128.371	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	4224284	686.342	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	7775474	1307.768	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	779326	184.370	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	321955	75.979	ug/L	99

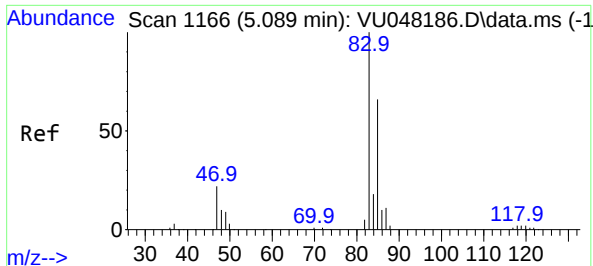
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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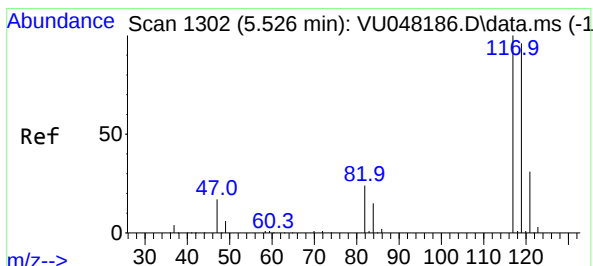
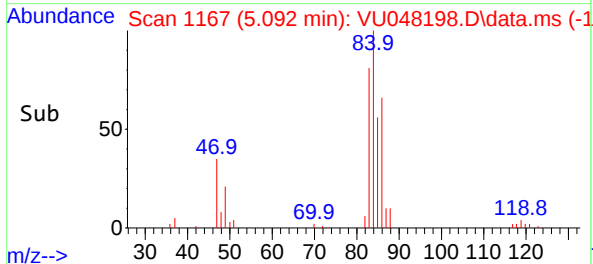
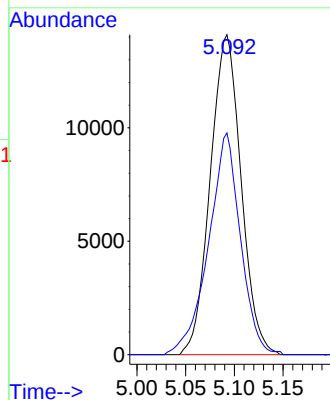
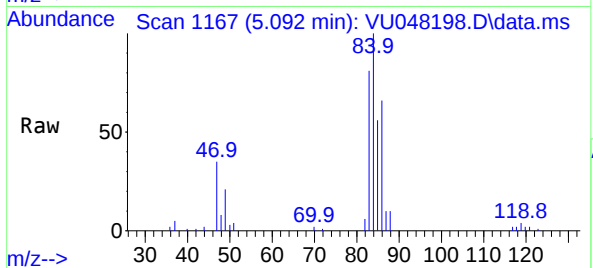




#25
Chloroform
Concen: 6.826 ug/L
RT: 5.092 min Scan# 1166
Delta R.T. 0.003 min
Lab File: VU048198.D
Acq: 22 Apr 2022 02:20

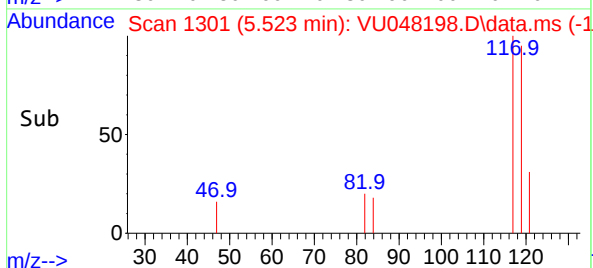
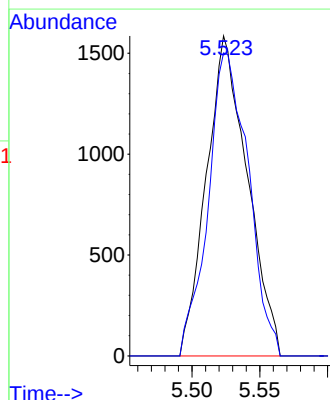
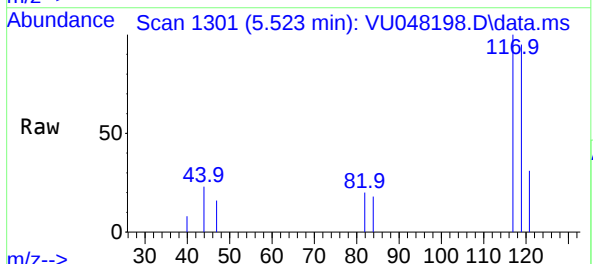
Instrument :
MSVOA_U
ClientSampleId :
C0HX4

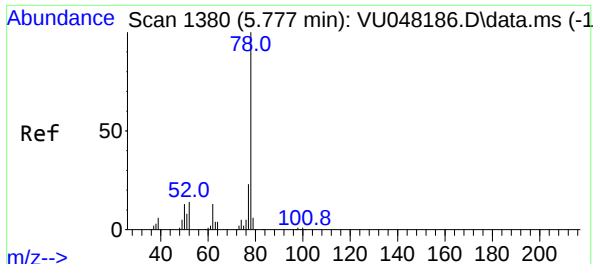
Tgt Ion: 83 Resp: 31088
Ion Ratio Lower Upper
83 100
85 69.3 46.2 85.8



#31
Carbon tetrachloride
Concen: 0.962 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. -0.003 min
Lab File: VU048198.D
Acq: 22 Apr 2022 02:20

Tgt Ion: 117 Resp: 3323
Ion Ratio Lower Upper
117 100
119 93.2 77.2 115.8





#33

Benzene

Concen: 325.825 ug/L

RT: 5.777 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU048198.D

Acq: 22 Apr 2022 02:20

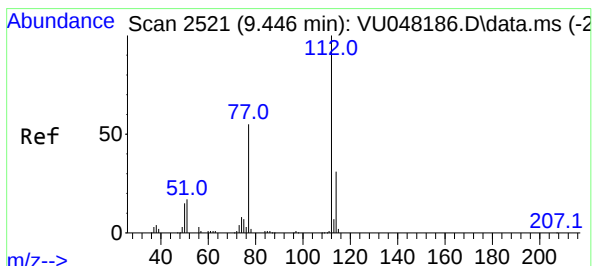
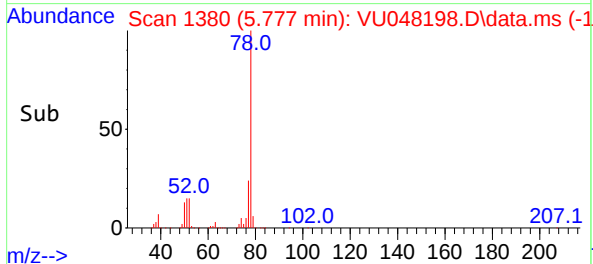
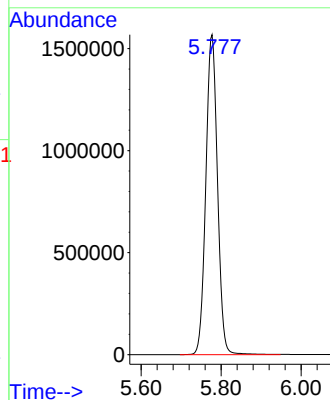
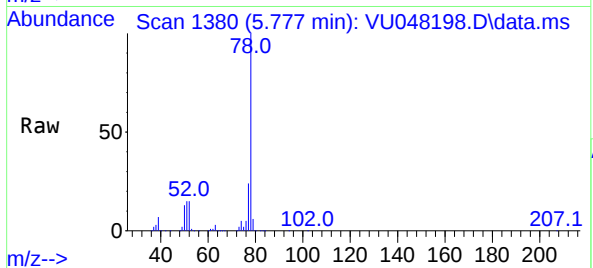
Instrument :

MSVOA_U

ClientSampleId :

C0HX4

Tgt Ion: 78 Resp: 3182222



#51

Chlorobenzene

Concen: 530.711 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.003 min

Lab File: VU048198.D

Acq: 22 Apr 2022 02:20

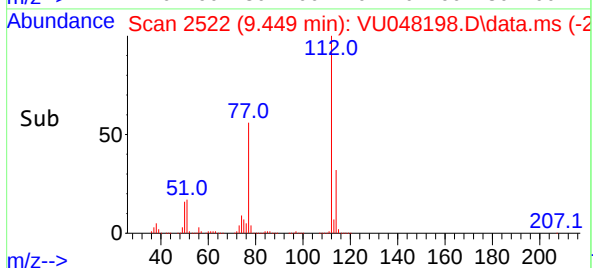
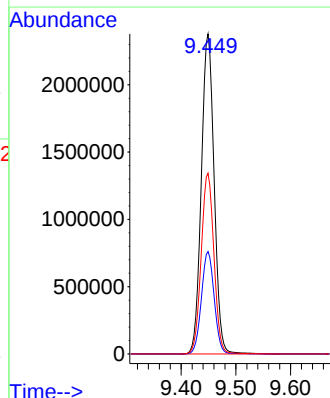
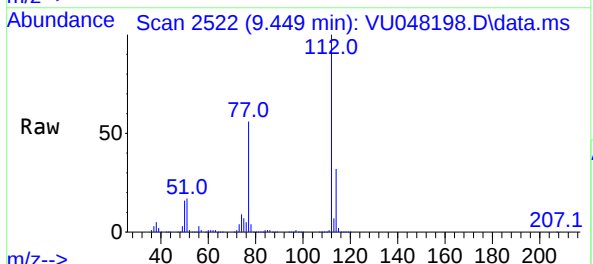
Tgt Ion: 112 Resp: 3861604

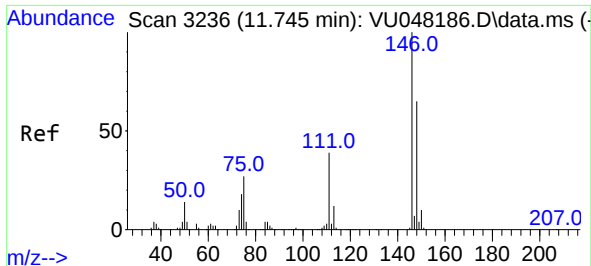
Ion Ratio Lower Upper

112 100

114 32.0 22.1 41.1

77 56.4 43.4 65.0

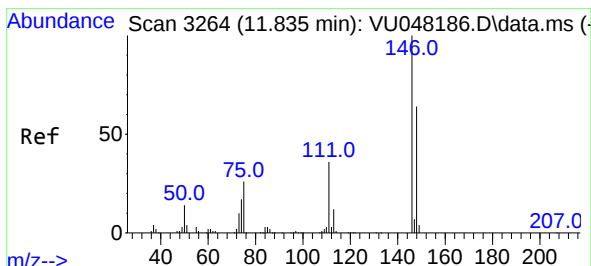
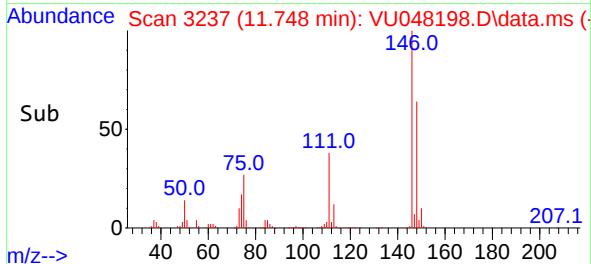
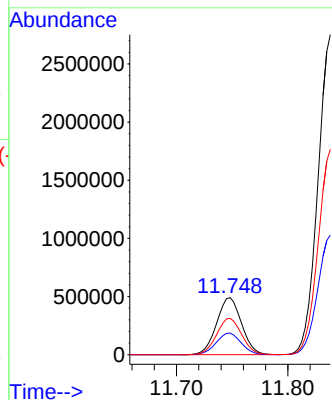
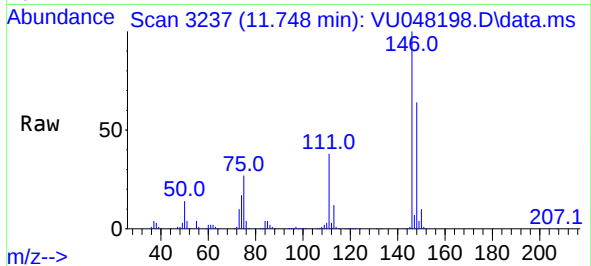




#64
1,3-Dichlorobenzene
Concen: 128.371 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048198.D
Acq: 22 Apr 2022 02:20

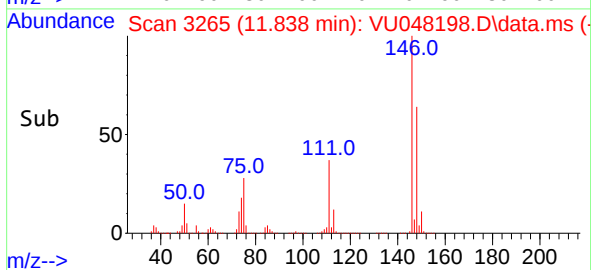
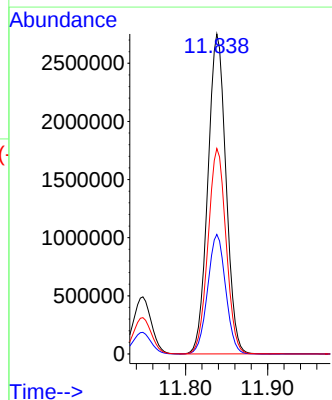
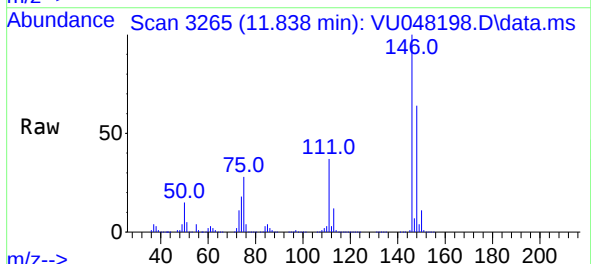
Instrument :
MSVOA_U
ClientSampleId :
C0HX4

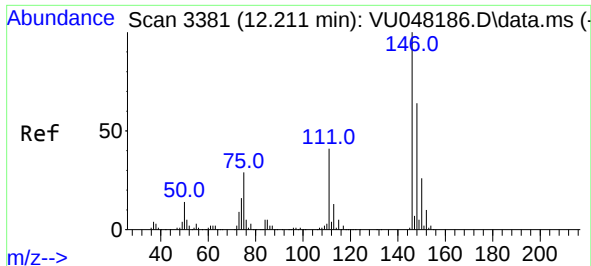
Tgt Ion:146 Resp: 762791
Ion Ratio Lower Upper
146 100
111 37.8 26.7 49.7
148 63.6 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 686.342 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU048198.D
Acq: 22 Apr 2022 02:20

Tgt Ion:146 Resp: 4224284
Ion Ratio Lower Upper
146 100
111 37.4 25.3 47.1
148 64.2 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 1307.768 ug/L

RT: 12.217 min Scan# 31

Delta R.T. 0.007 min

Lab File: VU048198.D

Acq: 22 Apr 2022 02:20

Instrument :

MSVOA_U

ClientSampleId :

C0HX4

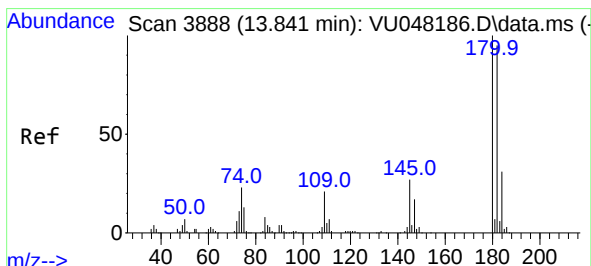
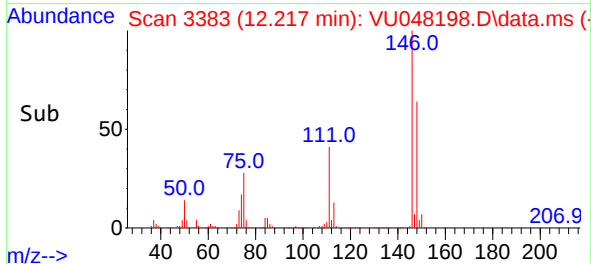
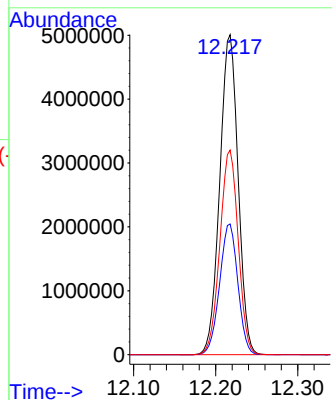
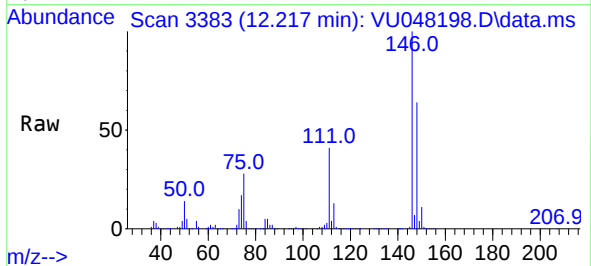
Tgt Ion:146 Resp: 7775474

Ion Ratio Lower Upper

146 100

111 40.8 31.7 47.5

148 64.0 51.4 77.2



#70

1,2,4-trichlorobenzene

Concen: 184.370 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU048198.D

Acq: 22 Apr 2022 02:20

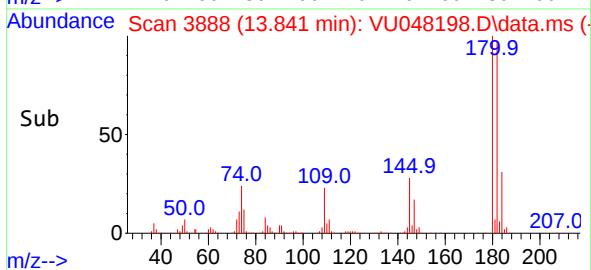
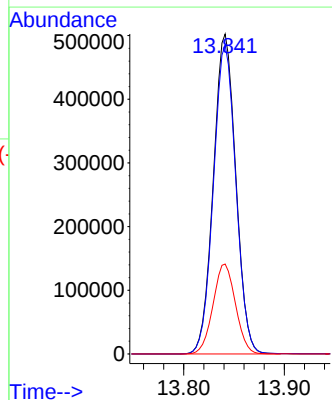
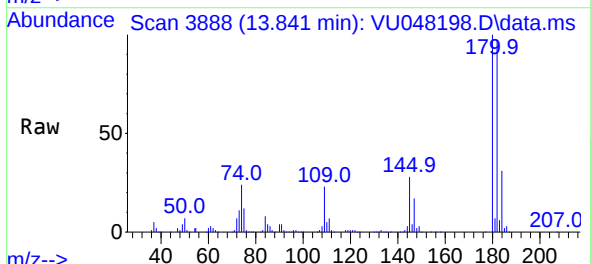
Tgt Ion:180 Resp: 779326

Ion Ratio Lower Upper

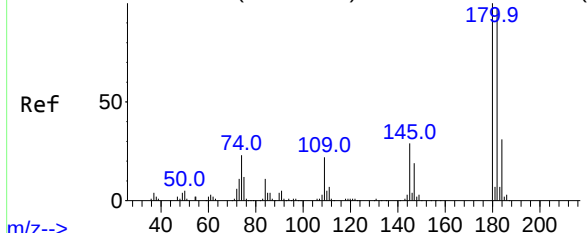
180 100

182 96.6 76.2 114.2

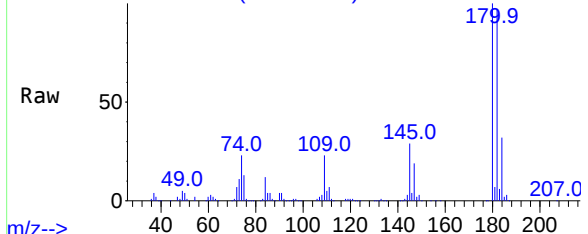
145 28.2 21.8 32.8



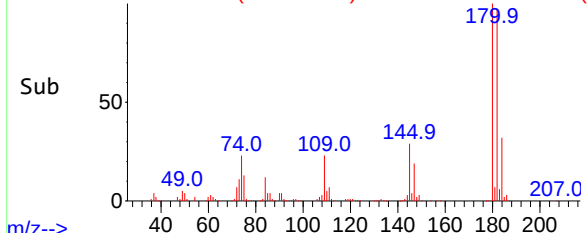
Abundance Scan 4040 (14.330 min): VU048186.D\data.ms (-



Abundance Scan 4040 (14.330 min): VU048198.D\data.ms (-



Abundance Scan 4040 (14.330 min): VU048198.D\data.ms (-



#72
1,2,3-Trichlorobenzene
Concen: 75.979 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048198.D
Acq: 22 Apr 2022 02:20

Instrument :
MSVOA_U
ClientSampleId :
C0HX4

Tgt Ion:	180	Resp:	321955
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.4	116.0
145	29.5	22.8	34.2

