

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090122\
 Data File : VU050587.D
 Acq On : 01 Sep 2022 17:45
 Operator : SY/MD
 Sample : N4458-02 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KW5

Quant Time: Sep 02 02:10:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM083022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 02 02:07:32 2022
 Response via : Initial Calibration

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

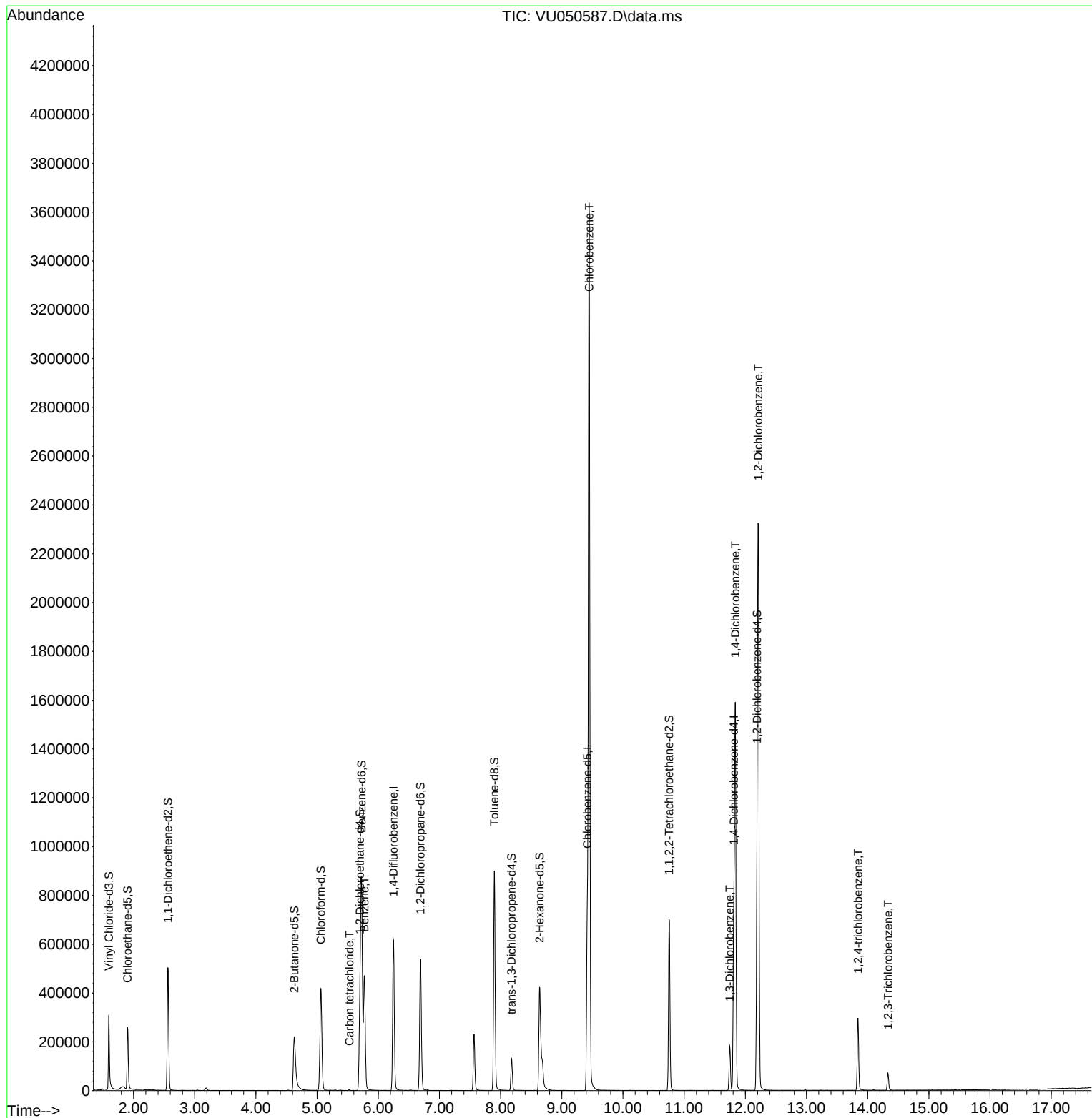
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	502290	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	407509	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	193663	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	255058	66.208	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 132.420%	
7) Chloroethane-d5	1.903	69	196459	65.410	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 130.820%#	
11) 1,1-Dichloroethene-d2	2.562	63	295049	45.362	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 90.720%	
21) 2-Butanone-d5	4.627	46	327899	97.323	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 97.320%	
24) Chloroform-d	5.061	84	397339	53.008	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 106.020%	
26) 1,2-Dichloroethane-d4	5.700	65	249776	51.299	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 102.600%	
32) Benzene-d6	5.726	84	822653	65.133	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 130.260%#	
36) 1,2-Dichloropropane-d6	6.691	67	270632	64.352	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 128.700%#	
41) Toluene-d8	7.896	98	611141	55.619	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 111.240%	
43) trans-1,3-Dichloroprop...	8.179	79	74814	44.234	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 88.460%	
47) 2-Hexanone-d5	8.636	63	125920	82.696	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 82.700%	
56) 1,1,2,2-Tetrachloroeth...	10.755	84	355506	54.196	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 108.400%	
66) 1,2-Dichlorobenzene-d4	12.192	152	231200	55.140	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 110.280%	
Target Compounds						
					Qvalue	
31) Carbon tetrachloride	5.527	117	1654	0.439	ug/L	96
33) Benzene	5.774	78	460083	31.078	ug/L	100
51) Chlorobenzene	9.446	112	1941119	212.374	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	76163	11.559	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	623458	93.311	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	871914	122.064	ug/L	98
70) 1,2,4-trichlorobenzene	13.842	180	93614	23.342	ug/L	100
72) 1,2,3-Trichlorobenzene	14.334	180	23097	4.983	ug/L	97

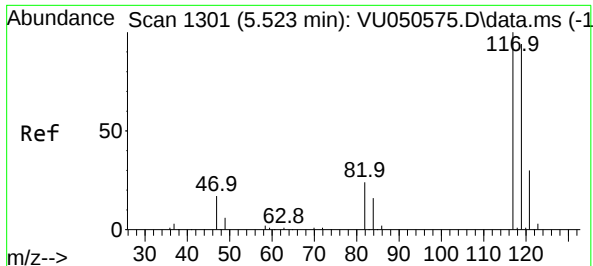
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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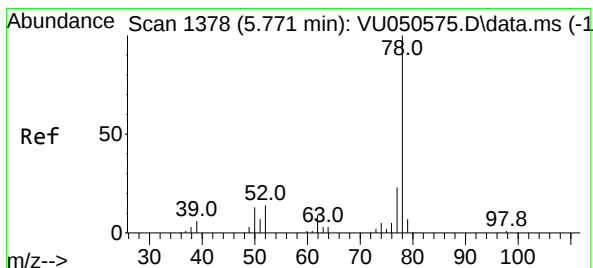
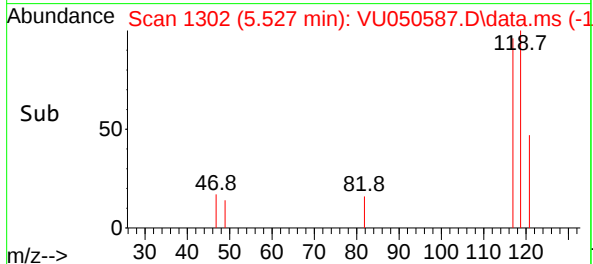
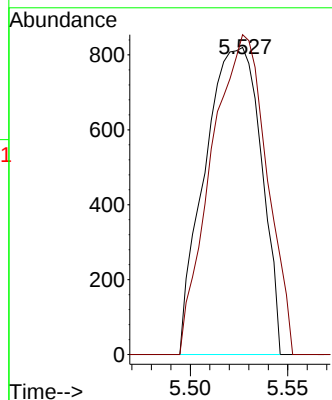
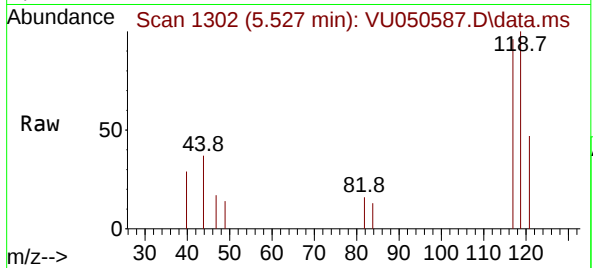




#31
Carbon tetrachloride
Concen: 0.439 ug/L
RT: 5.527 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU050587.D
Acq: 01 Sep 2022 17:45

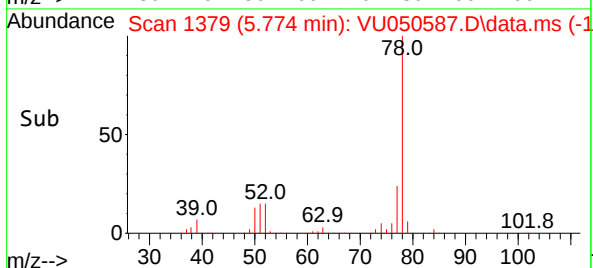
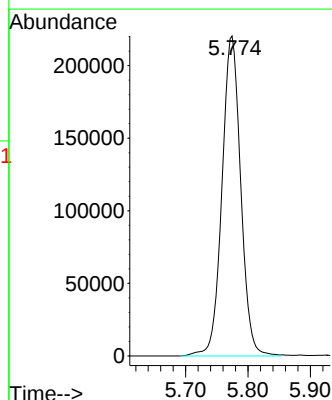
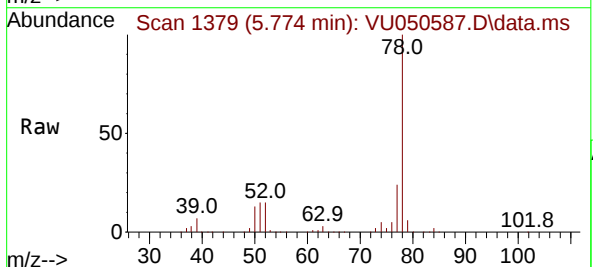
Instrument :
MSVOA_U
ClientSampleId :
C0KW5

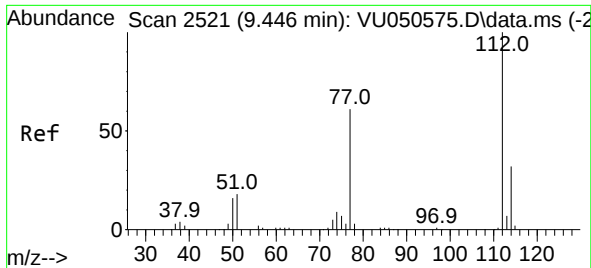
Tgt Ion:117 Resp: 1654
Ion Ratio Lower Upper
117 100
119 102.2 78.8 118.2



#33
Benzene
Concen: 31.078 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.004 min
Lab File: VU050587.D
Acq: 01 Sep 2022 17:45

Tgt Ion: 78 Resp: 460083

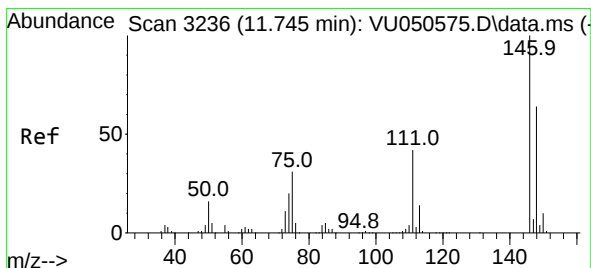
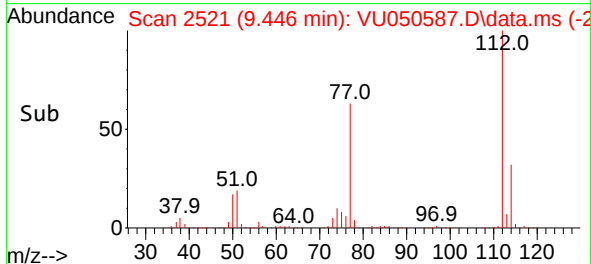
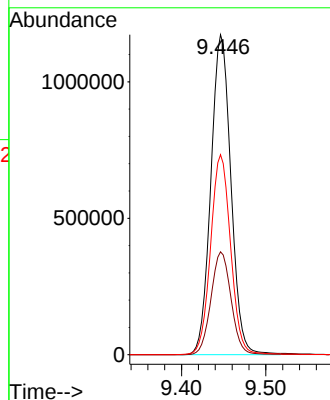
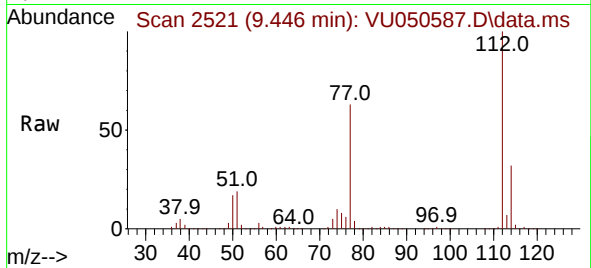




#51
Chlorobenzene
Concen: 212.374 ug/L
RT: 9.446 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050587.D
Acq: 01 Sep 2022 17:45

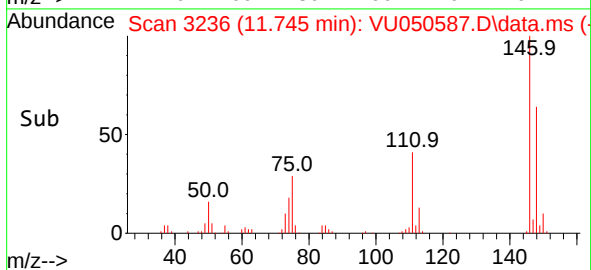
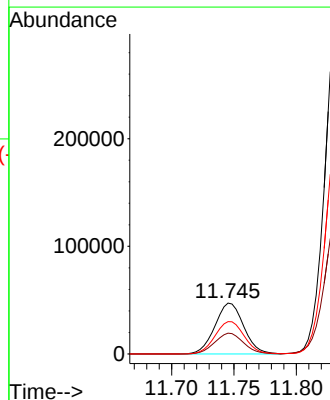
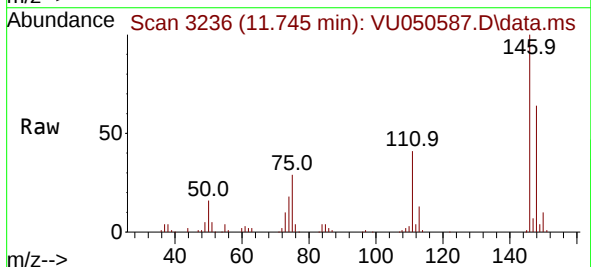
Instrument :
MSVOA_U
ClientSampleId :
C0KW5

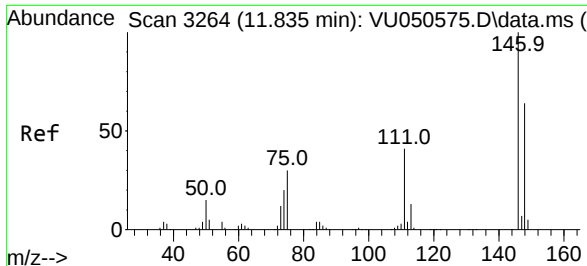
Tgt Ion:112 Resp: 1941119
Ion Ratio Lower Upper
112 100
114 32.1 23.0 42.6
77 62.5 49.4 74.2



#64
1,3-Dichlorobenzene
Concen: 11.559 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU050587.D
Acq: 01 Sep 2022 17:45

Tgt Ion:146 Resp: 76163
Ion Ratio Lower Upper
146 100
111 40.8 28.4 52.8
148 63.6 45.0 83.6

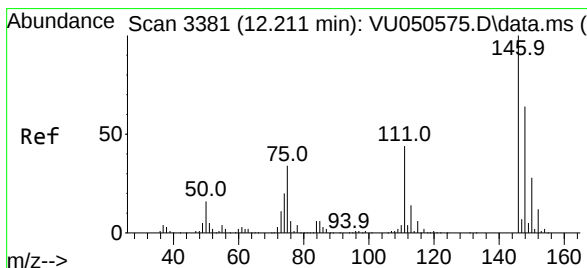
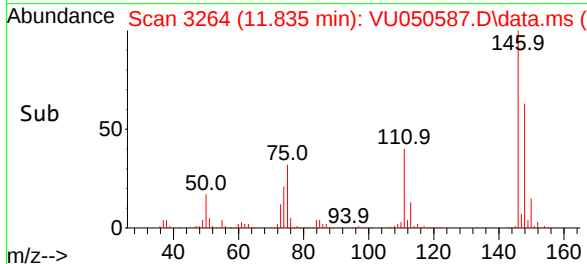
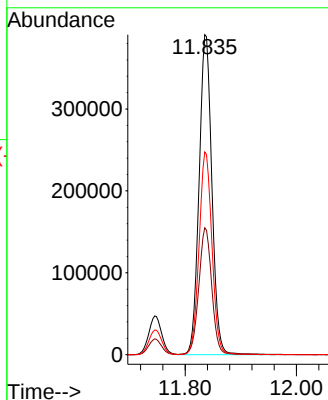
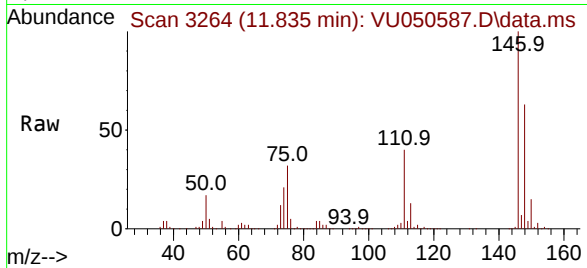




#65
1,4-Dichlorobenzene
Concen: 93.311 ug/L
RT: 11.835 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050587.D
Acq: 01 Sep 2022 17:45

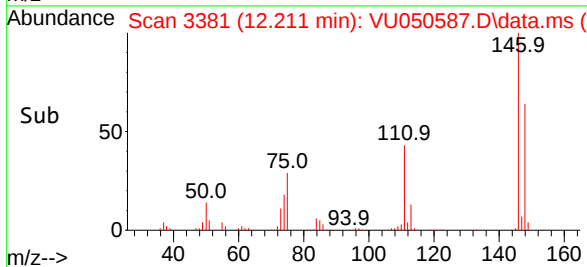
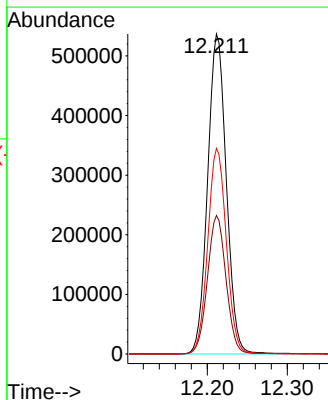
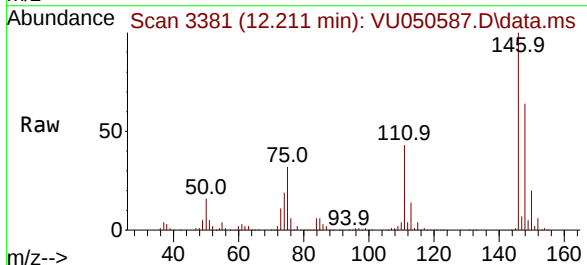
Instrument :
MSVOA_U
ClientSampleId :
C0KW5

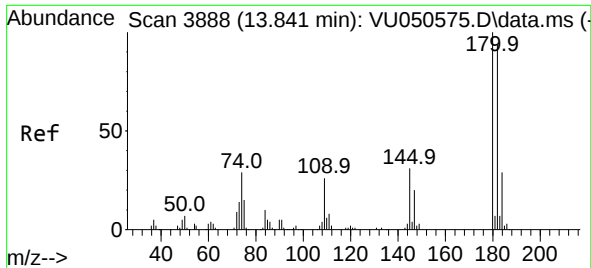
Tgt Ion:146 Resp: 623458
Ion Ratio Lower Upper
146 100
111 39.7 28.2 52.4
148 63.3 45.0 83.6



#67
1,2-Dichlorobenzene
Concen: 122.064 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU050587.D
Acq: 01 Sep 2022 17:45

Tgt Ion:146 Resp: 871914
Ion Ratio Lower Upper
146 100
111 43.3 33.4 50.2
148 64.2 49.9 74.9

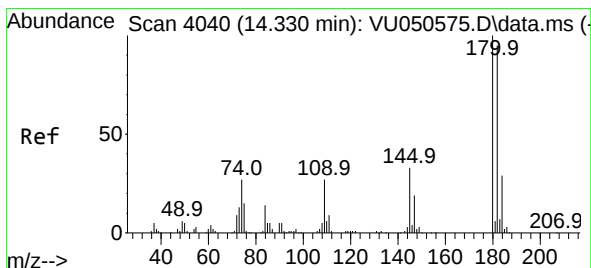
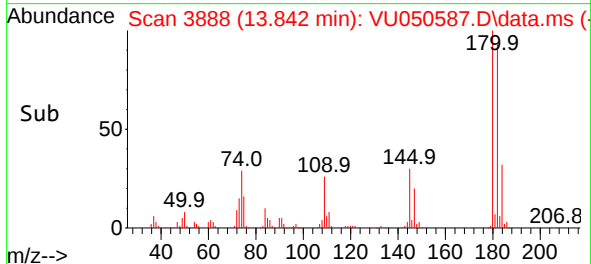
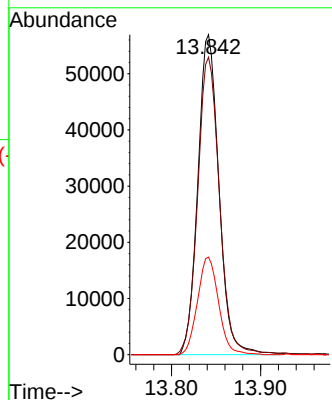
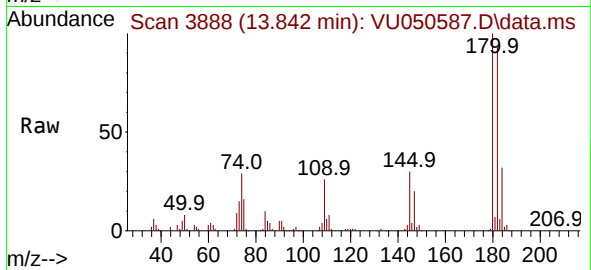




#70
 1,2,4-trichlorobenzene
 Concen: 23.342 ug/L
 RT: 13.842 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU050587.D
 Acq: 01 Sep 2022 17:45

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KW5

Tgt Ion:180 Resp: 93614
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.6 115.0
 145 30.5 24.2 36.4



#72
 1,2,3-Trichlorobenzene
 Concen: 4.983 ug/L
 RT: 14.334 min Scan# 4041
 Delta R.T. 0.004 min
 Lab File: VU050587.D
 Acq: 01 Sep 2022 17:45

Tgt Ion:180 Resp: 23097
 Ion Ratio Lower Upper
 180 100
 182 97.2 76.0 114.0
 145 30.0 26.2 39.2

