

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042222\
 Data File : VU048220.D
 Acq On : 22 Apr 2022 13:23
 Operator : SY/MD
 Sample : N2485-12DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 22 22:01:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 22 21:59:27 2022
 Response via : Initial Calibration

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

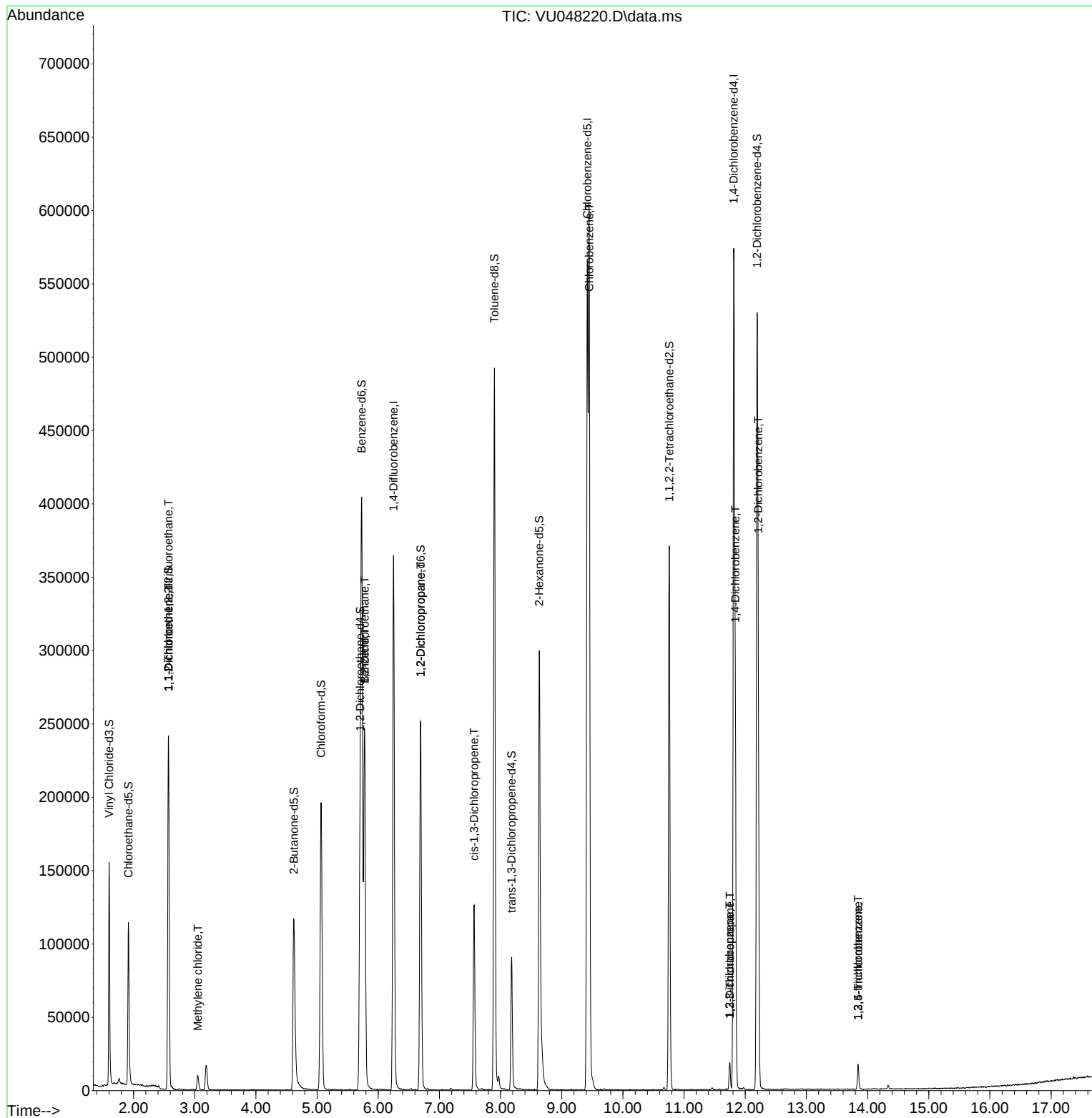
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	312960	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	325601	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	161341	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	113140	49.853	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.700%
7) Chloroethane-d5	1.916	69	89195	49.844	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.680%
11) 1,1-Dichloroethene-d2	2.572	63	140142	33.751	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.500%
21) 2-Butanone-d5	4.620	46	164173	84.280	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.280%
24) Chloroform-d	5.067	84	187198	45.080	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.160%
26) 1,2-Dichloroethane-d4	5.703	65	118052	46.352	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.700%
32) Benzene-d6	5.729	84	391737	47.813	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.620%
36) 1,2-Dichloropropane-d6	6.694	67	128787	51.184	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.360%
41) Toluene-d8	7.899	98	331709	41.555	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.100%
43) trans-1,3-Dichloroprop...	8.179	79	52545	41.220	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.440%
47) 2-Hexanone-d5	8.633	63	105581	71.680	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	71.680%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	188554	43.665	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.340%
66) 1,2-Dichlorobenzene-d4	12.195	152	137404	47.869	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.740%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	1337	0.580	ug/L #	18
12) 1,1-Dichloroethene	2.572	96	1161	0.541	ug/L #	1
16) Methylene chloride	3.051	84	5200	2.111	ug/L	98
27) 1,2-Dichloroethane	5.777	62	2044	0.615	ug/L #	75
33) Benzene	5.777	78	244615	25.955	ug/L	100
37) 1,2-Dichloropropane	6.694	63	13051	5.447	ug/L #	87
39) cis-1,3-Dichloropropene	7.568	75	2864	0.770	ug/L #	55
51) Chlorobenzene	9.449	112	334278	47.608	ug/L	99
60) 1,2,3-Trichloropropane	11.748	75	2423	0.797	ug/L #	42
64) 1,3-Dichlorobenzene	11.745	146	8486	1.751	ug/L	96
65) 1,4-Dichlorobenzene	11.838	146	113974	22.704	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	95478	19.688	ug/L	98
69) 1,3,5-Trichlorobenzene	13.845	180	6458	1.641	ug/L	94
70) 1,2,4-trichlorobenzene	13.845	180	6458	1.873	ug/L	93

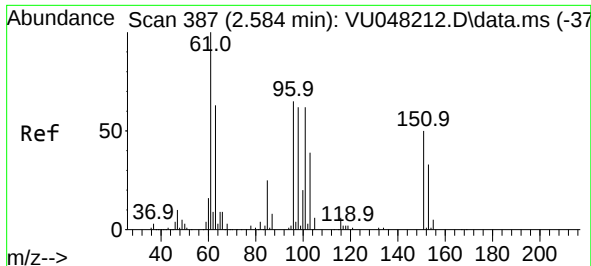
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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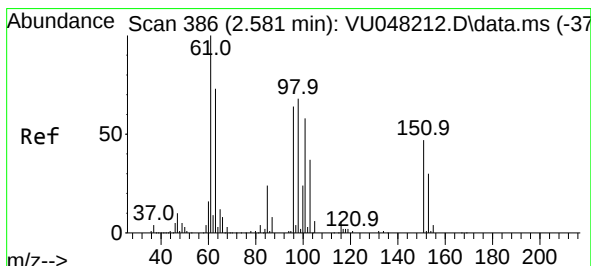
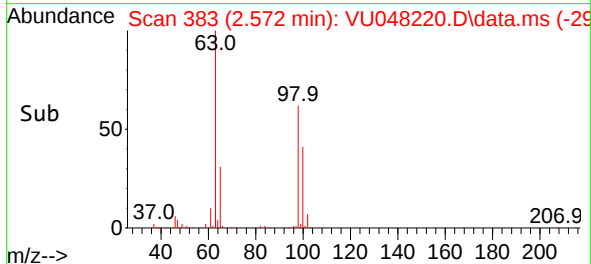
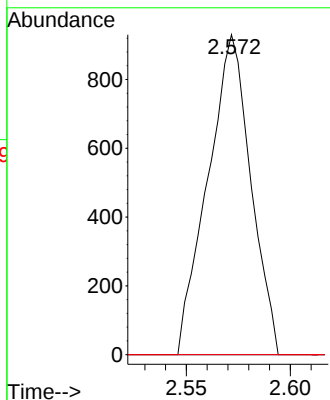
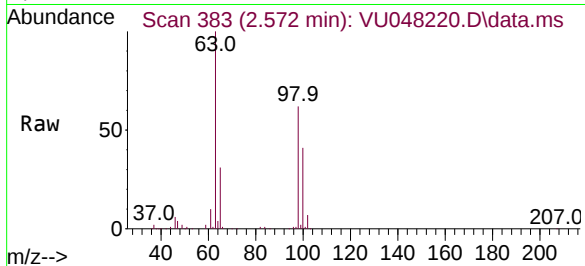




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.580 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.013 min
 Lab File: VU048220.D
 Acq: 22 Apr 2022 13:23

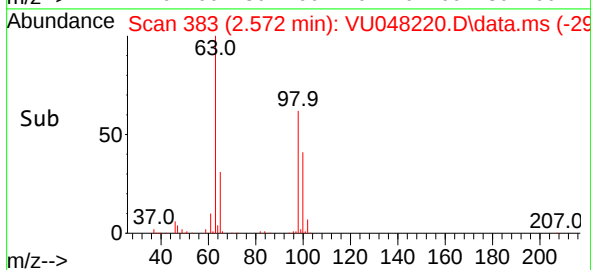
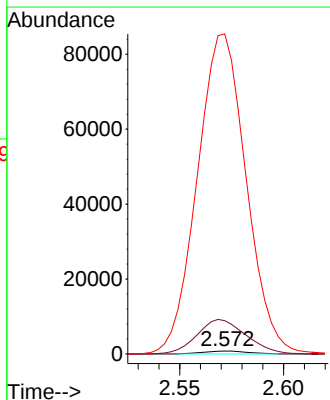
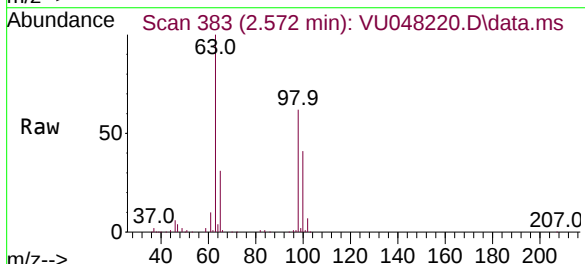
Instrument :
 MSVOA_U
 ClientSampleId :

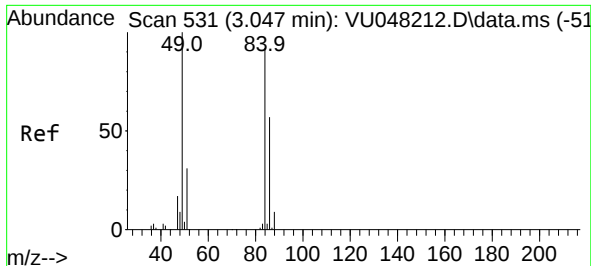
Tgt Ion:101 Resp: 1337
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#



#12
 1,1-Dichloroethene
 Concen: 0.541 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.009 min
 Lab File: VU048220.D
 Acq: 22 Apr 2022 13:23

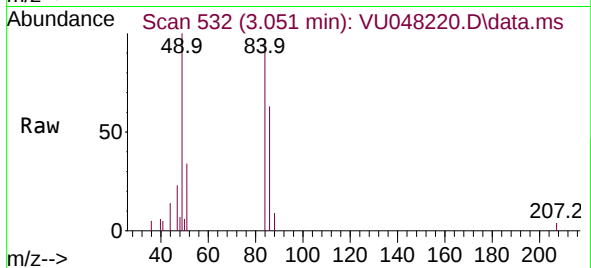
Tgt Ion: 96 Resp: 1161
 Ion Ratio Lower Upper
 96 100
 61 1135.3 113.1 210.1#
 63 10923.8 94.8 176.0#



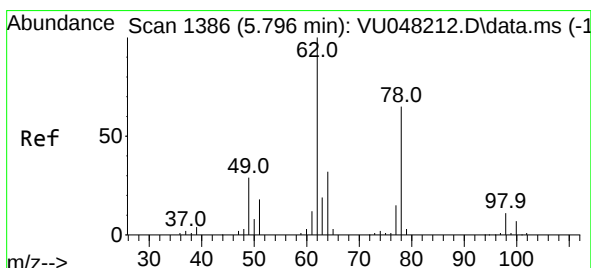
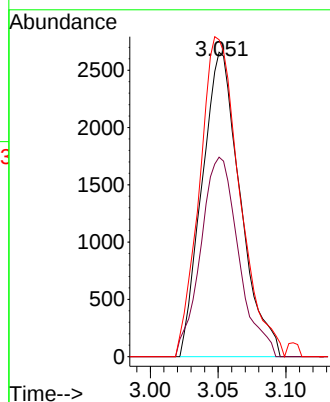
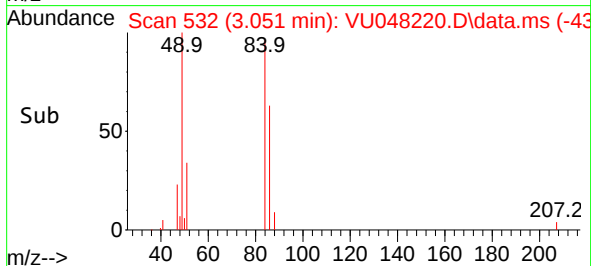


#16
Methylene chloride
Concen: 2.111 ug/L
RT: 3.051 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU048220.D
Acq: 22 Apr 2022 13:23

Instrument :
MSVOA_U
ClientSampleId :

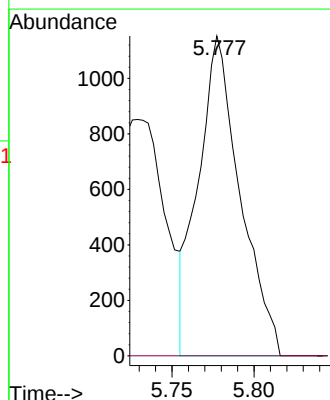
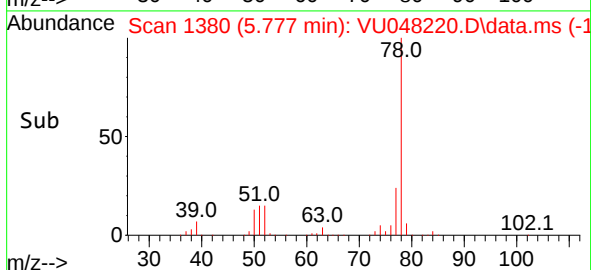
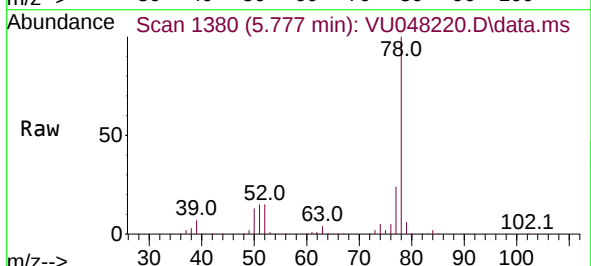


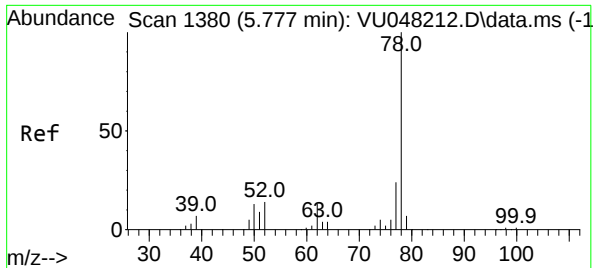
Tgt Ion: 84 Resp: 5200
Ion Ratio Lower Upper
84 100
86 65.5 46.0 85.4
49 104.1 75.3 139.8



#27
1,2-Dichloroethane
Concen: 0.615 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.019 min
Lab File: VU048220.D
Acq: 22 Apr 2022 13:23

Tgt Ion: 62 Resp: 2044
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#

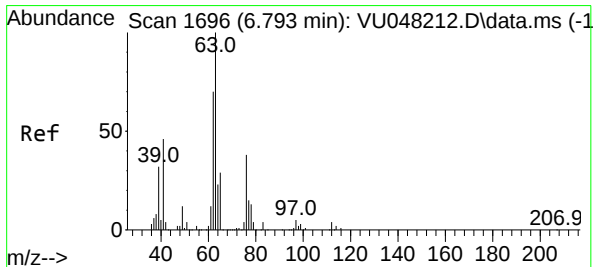
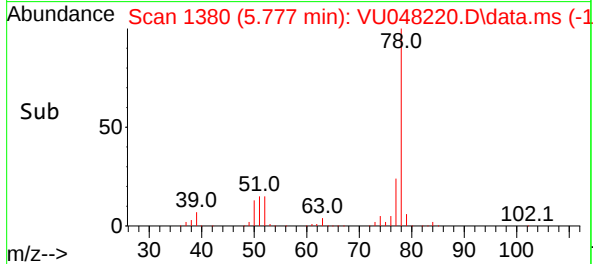
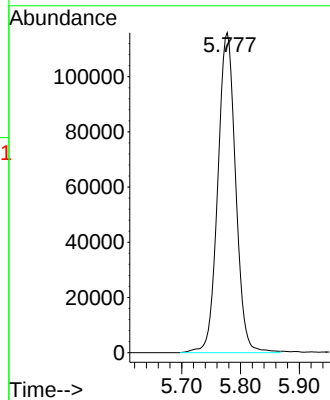
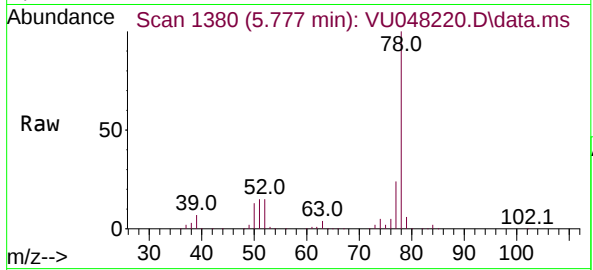




#33
Benzene
Concen: 25.955 ug/L
RT: 5.777 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048220.D
Acq: 22 Apr 2022 13:23

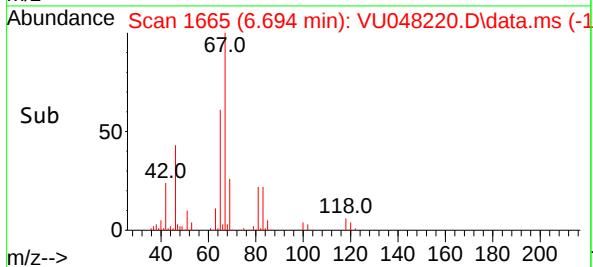
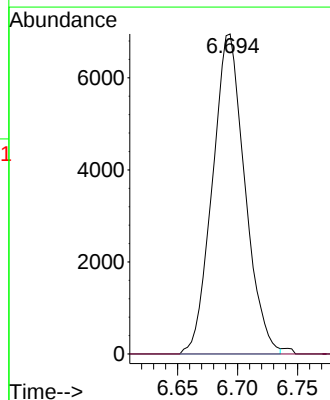
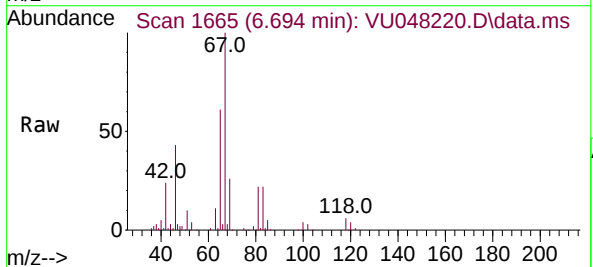
Instrument :
MSVOA_U
ClientSampleId :

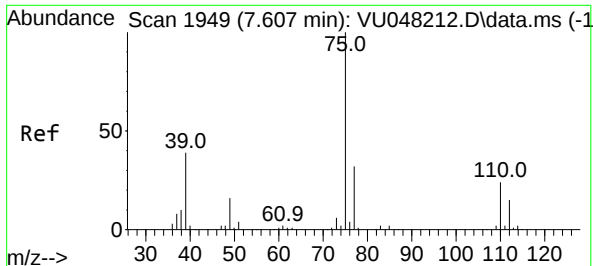
Tgt Ion: 78 Resp: 244615



#37
1,2-Dichloropropane
Concen: 5.447 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.099 min
Lab File: VU048220.D
Acq: 22 Apr 2022 13:23

Tgt Ion: 63 Resp: 13051
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.770 ug/L

RT: 7.568 min Scan# 1949

Delta R.T. -0.038 min

Lab File: VU048220.D

Acq: 22 Apr 2022 13:23

Instrument :

MSVOA_U

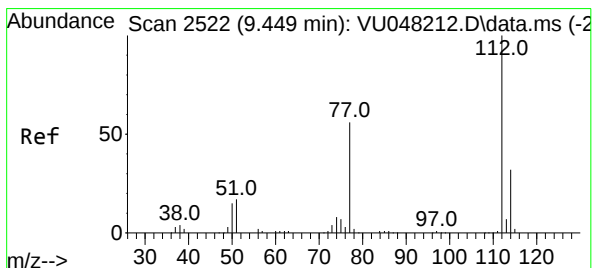
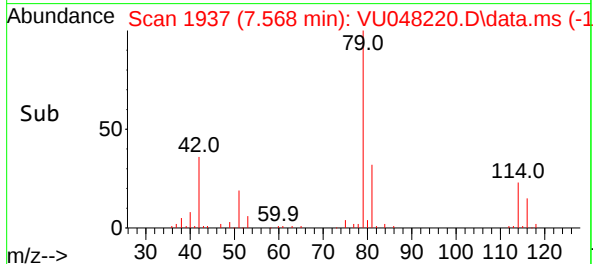
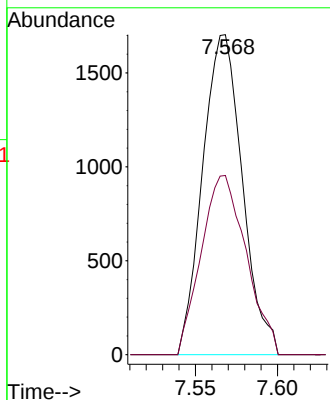
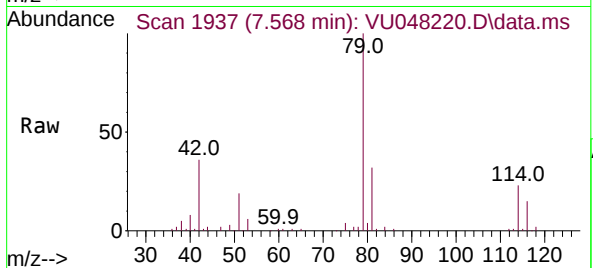
ClientSampleId :

Tgt Ion: 75 Resp: 2864

Ion Ratio Lower Upper

75 100

77 56.0 21.8 40.6#



#51

Chlorobenzene

Concen: 47.608 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU048220.D

Acq: 22 Apr 2022 13:23

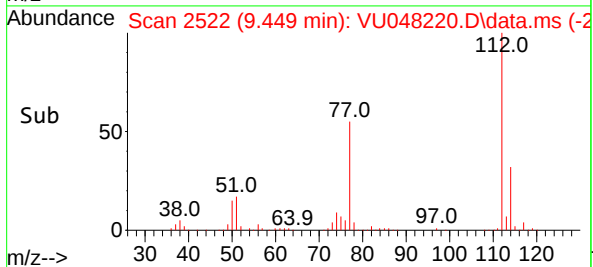
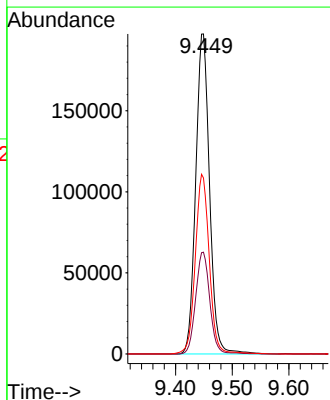
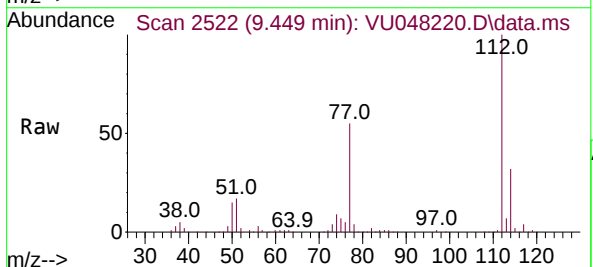
Tgt Ion: 112 Resp: 334278

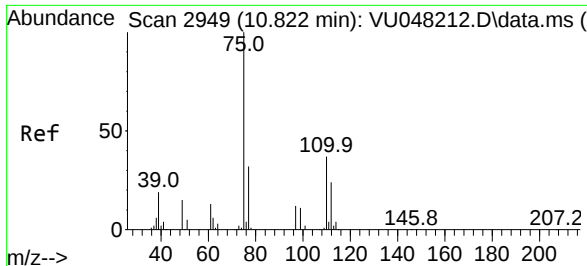
Ion Ratio Lower Upper

112 100

114 31.8 22.1 41.1

77 55.0 43.4 65.0

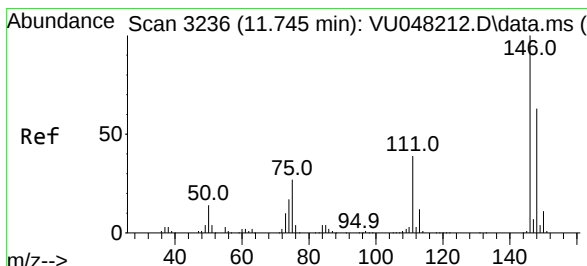
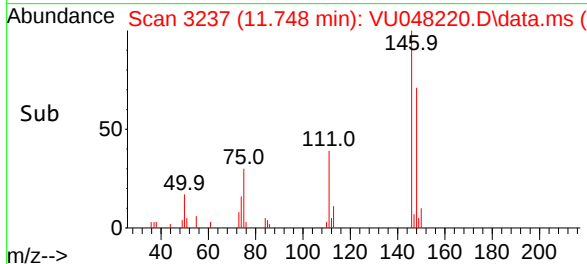
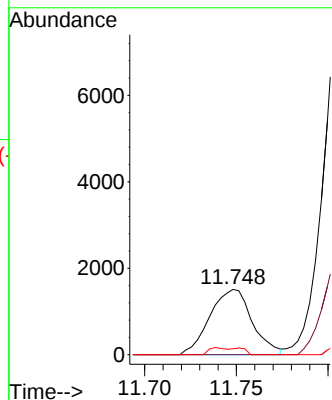
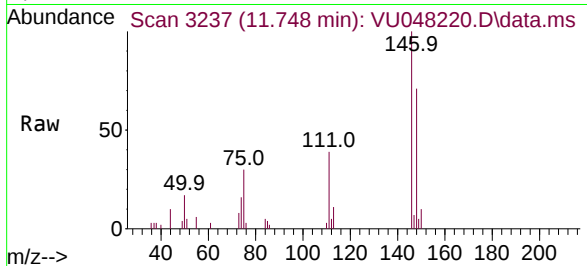




#60
1,2,3-Trichloropropane
Concen: 0.797 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.926 min
Lab File: VU048220.D
Acq: 22 Apr 2022 13:23

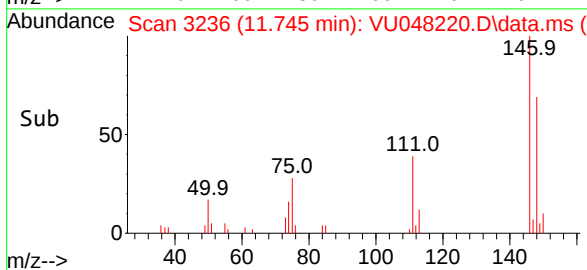
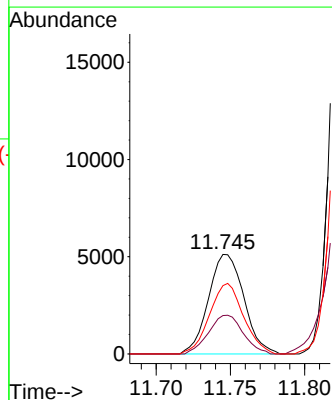
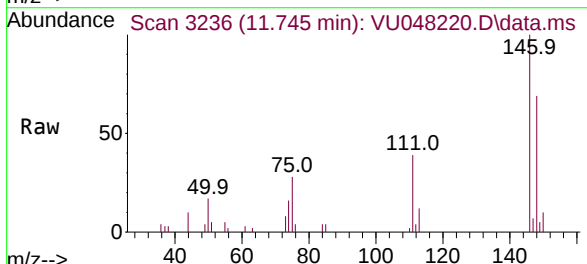
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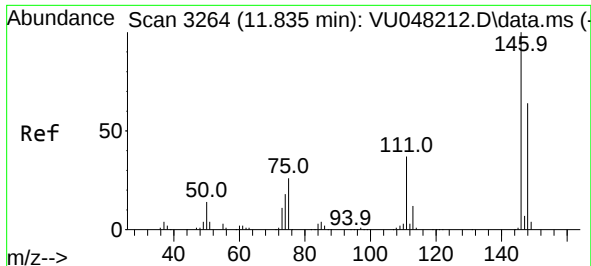
Tgt Ion: 75 Resp: 2423
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#
110 3.4 31.4 47.2#



#64
1,3-Dichlorobenzene
Concen: 1.751 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU048220.D
Acq: 22 Apr 2022 13:23

Tgt Ion:146 Resp: 8486
Ion Ratio Lower Upper
146 100
111 38.6 26.7 49.7
148 68.6 44.4 82.5





#65

1,4-Dichlorobenzene

Concen: 22.704 ug/L

RT: 11.838 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU048220.D

Acq: 22 Apr 2022 13:23

Instrument :

MSVOA_U

ClientSampleId :

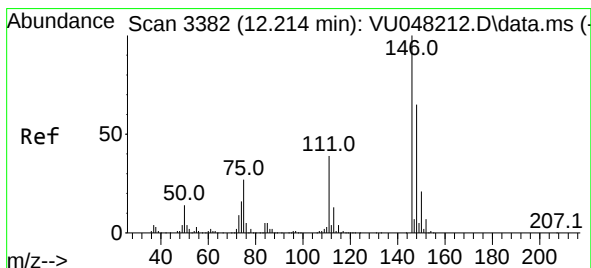
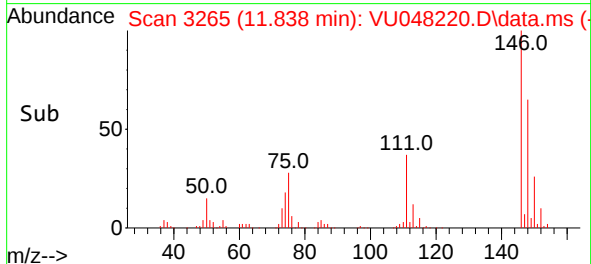
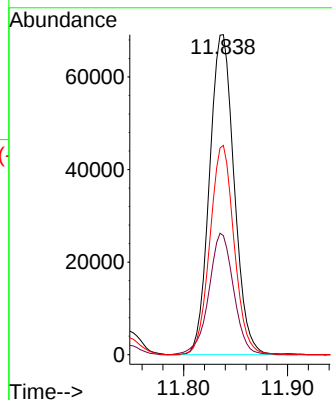
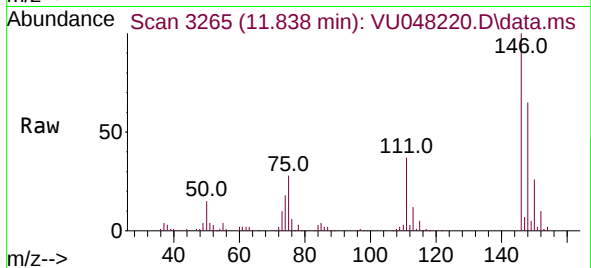
Tgt Ion:146 Resp: 113974

Ion Ratio Lower Upper

146 100

111 37.2 25.3 47.1

148 65.4 44.5 82.7



#67

1,2-Dichlorobenzene

Concen: 19.688 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.003 min

Lab File: VU048220.D

Acq: 22 Apr 2022 13:23

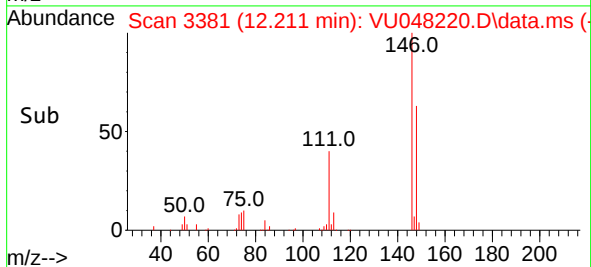
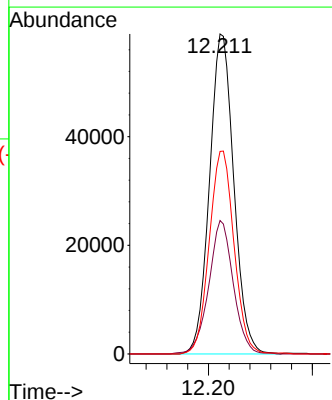
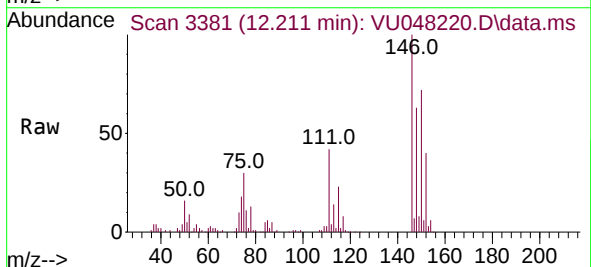
Tgt Ion:146 Resp: 95478

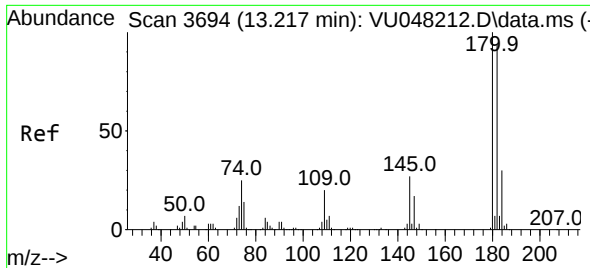
Ion Ratio Lower Upper

146 100

111 41.7 31.7 47.5

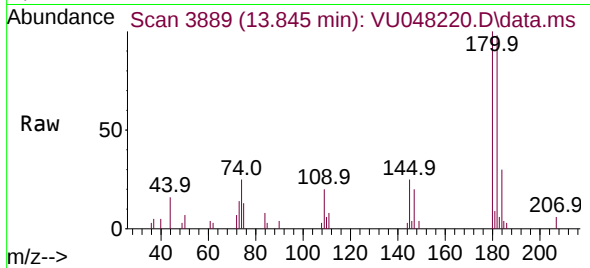
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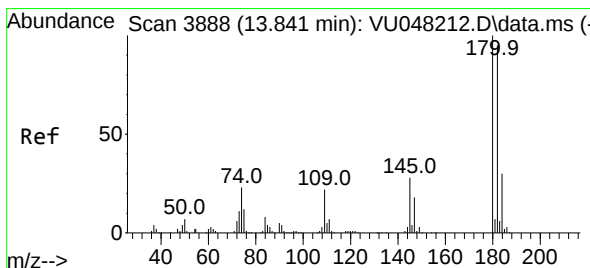
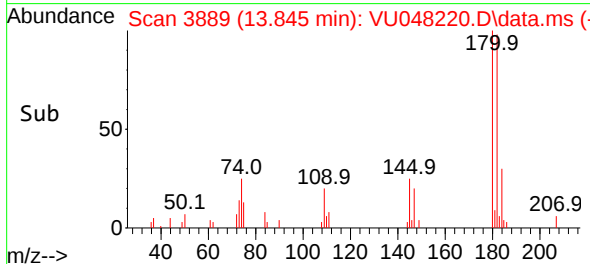
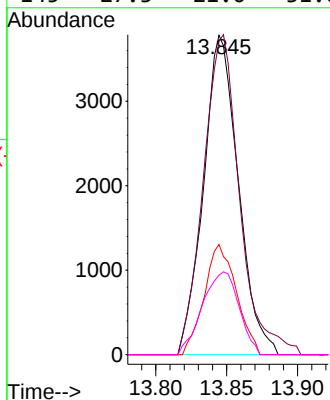


#69
 1,3,5-Trichlorobenzene
 Concen: 1.641 ug/L
 RT: 13.845 min Scan# 3889
 Delta R.T. 0.627 min
 Lab File: VU048220.D
 Acq: 22 Apr 2022 13:23

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 6458
 Ion Ratio Lower Upper
 180 100
 182 104.1 77.0 115.6
 184 31.9 24.5 36.7
 145 27.3 21.0 31.6



#70
 1,2,4-trichlorobenzene
 Concen: 1.873 ug/L
 RT: 13.845 min Scan# 3889
 Delta R.T. 0.003 min
 Lab File: VU048220.D
 Acq: 22 Apr 2022 13:23

Tgt Ion:180 Resp: 6458
 Ion Ratio Lower Upper
 180 100
 182 104.1 76.2 114.2
 145 27.3 21.8 32.8

