

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042122\
 Data File : VU048171.D
 Acq On : 21 Apr 2022 14:33
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK064

Quant Time: Apr 22 01:50:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 22 01:48:00 2022
 Response via : Initial Calibration

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

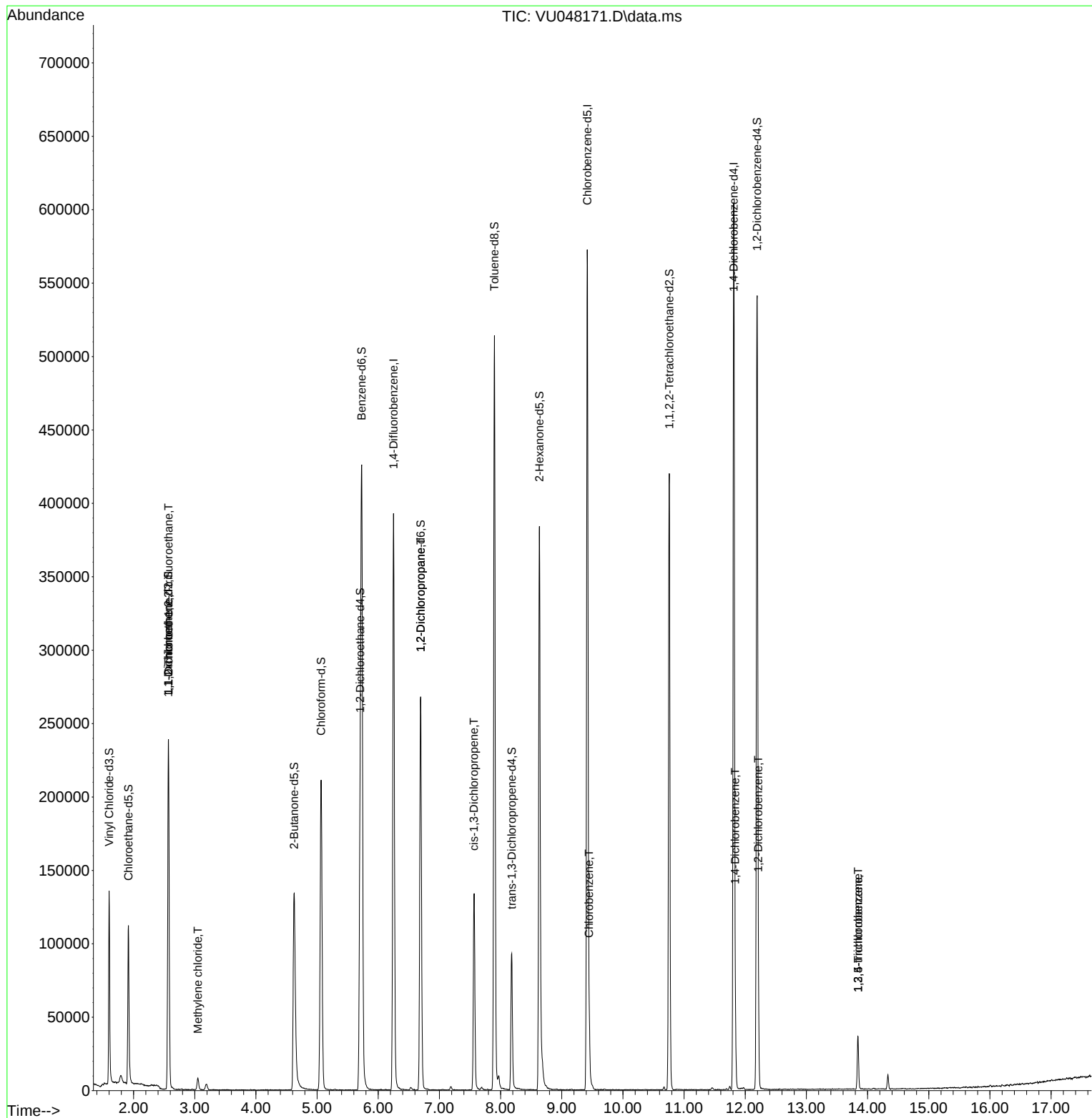
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	333910	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	352342	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	173217	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	100006	41.301	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	82.600%		
7) Chloroethane-d5	1.916	69	86067	45.078	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.160%		
11) 1,1-Dichloroethene-d2	2.568	63	137058	30.938	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	61.880%		
21) 2-Butanone-d5	4.623	46	195112	93.879	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.880%		
24) Chloroform-d	5.066	84	202970	45.812	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.620%		
26) 1,2-Dichloroethane-d4	5.703	65	125855	46.316	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.640%		
32) Benzene-d6	5.729	84	409085	46.141	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.280%		
36) 1,2-Dichloropropane-d6	6.693	67	136794	50.240	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.480%		
41) Toluene-d8	7.899	98	353379	40.910	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.820%		
43) trans-1,3-Dichloroprop...	8.182	79	55359	40.132	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.260%		
47) 2-Hexanone-d5	8.635	63	133950	84.038	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	84.040%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	208128	44.540	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.080%		
66) 1,2-Dichlorobenzene-d4	12.195	152	154618	50.173	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.340%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	1337	0.543	ug/L #	18
12) 1,1-Dichloroethene	2.571	96	1021	0.446	ug/L #	1
16) Methylene chloride	3.051	84	4362	1.660	ug/L	96
37) 1,2-Dichloropropane	6.693	63	13407	5.171	ug/L #	87
39) cis-1,3-Dichloropropene	7.565	75	3162	0.786	ug/L #	67
51) Chlorobenzene	9.446	112	20038	2.637	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	17058	3.165	ug/L	97
67) 1,2-Dichlorobenzene	12.214	146	15412	2.960	ug/L	97
69) 1,3,5-Trichlorobenzene	13.844	180	12710	3.008	ug/L	98
70) 1,2,4-trichlorobenzene	13.844	180	12710	3.434	ug/L	97

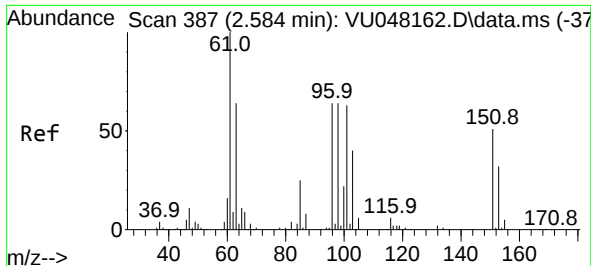
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.543 ug/L

RT: 2.571 min Scan# 383

Delta R.T. -0.013 min

Lab File: VU048171.D

Acq: 21 Apr 2022 14:33

Instrument :

MSVOA_U

ClientSampleId :

VIBLK064

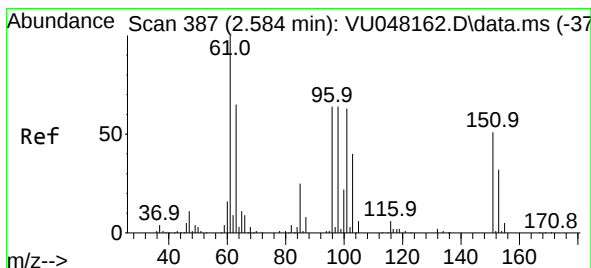
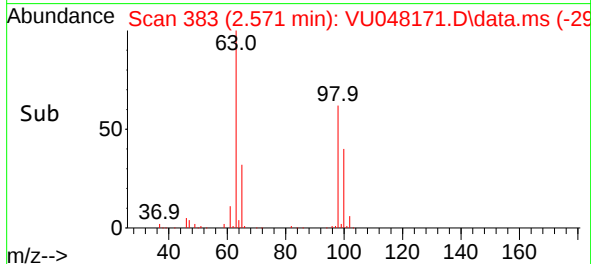
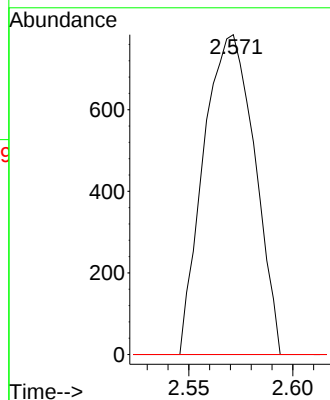
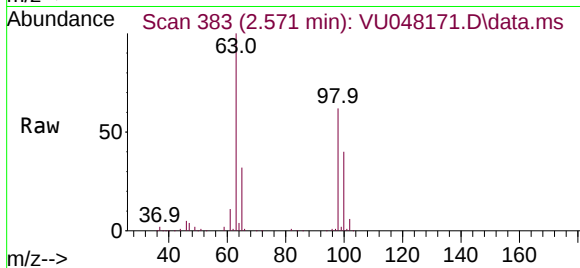
Tgt Ion:101 Resp: 1337

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: 0.446 ug/L

RT: 2.571 min Scan# 383

Delta R.T. -0.013 min

Lab File: VU048171.D

Acq: 21 Apr 2022 14:33

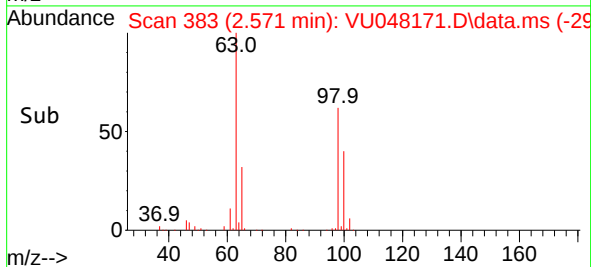
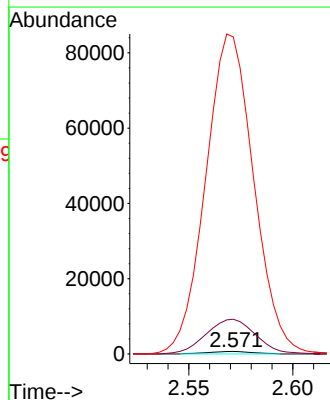
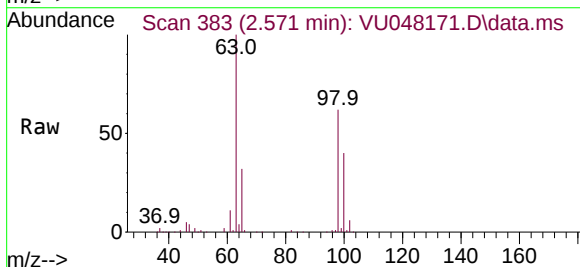
Tgt Ion: 96 Resp: 1021

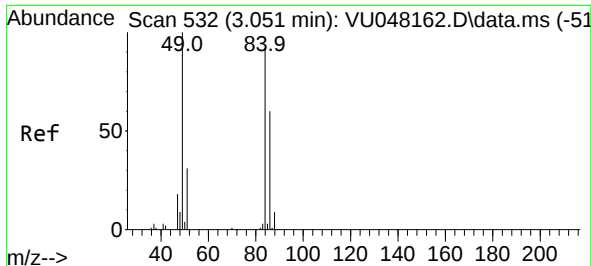
Ion Ratio Lower Upper

96 100

61 1359.0 113.1 210.1#

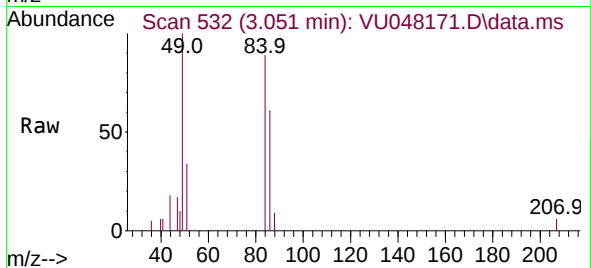
63 12424.8 94.8 176.0#



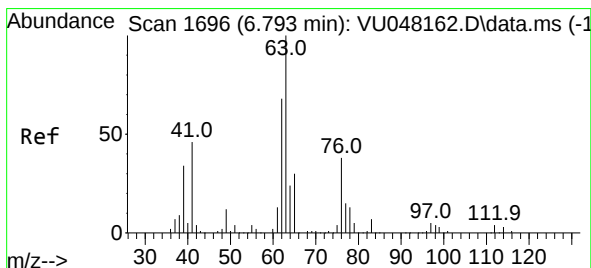
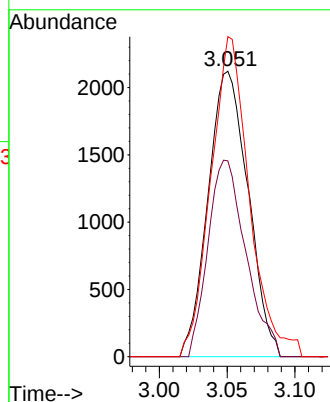
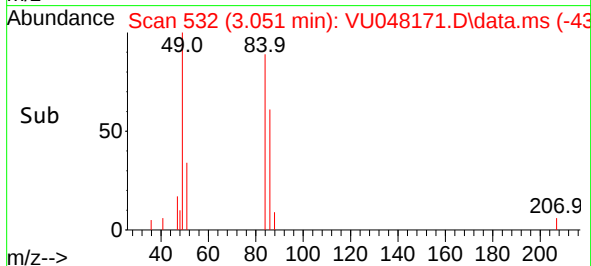


#16
Methylene chloride
Concen: 1.660 ug/L
RT: 3.051 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU048171.D
Acq: 21 Apr 2022 14:33

Instrument :
MSVOA_U
ClientSampleId :
VIBLK064

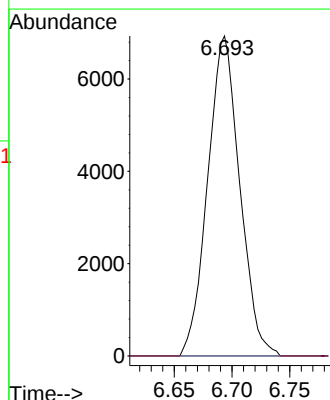
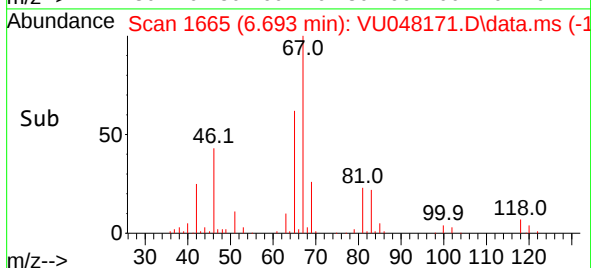
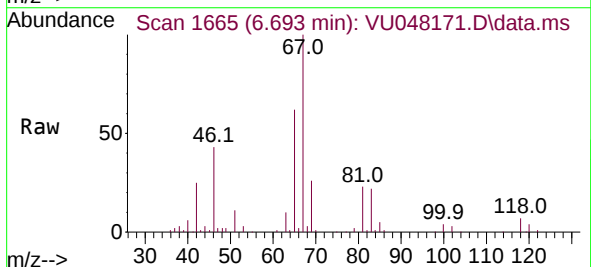


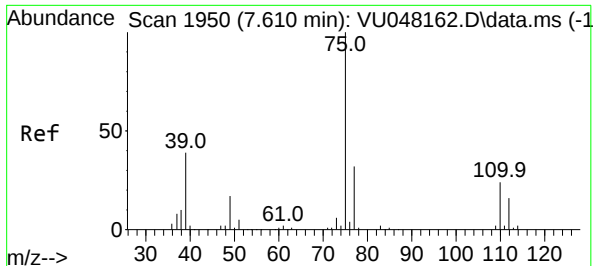
Tgt Ion: 84 Resp: 4362
Ion Ratio Lower Upper
84 100
86 68.6 46.0 85.4
49 112.1 75.3 139.8



#37
1,2-Dichloropropane
Concen: 5.171 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU048171.D
Acq: 21 Apr 2022 14:33

Tgt Ion: 63 Resp: 13407
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.786 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU048171.D

Acq: 21 Apr 2022 14:33

Instrument :

MSVOA_U

ClientSampleId :

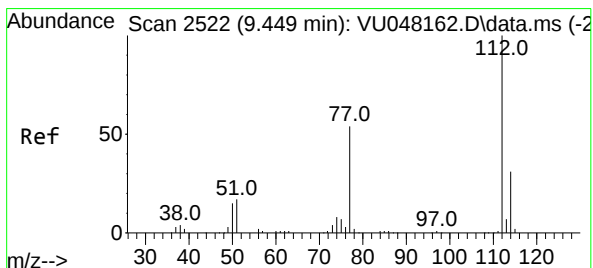
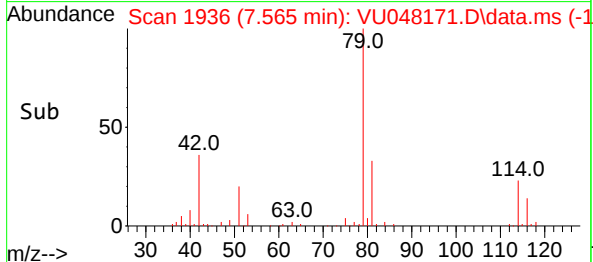
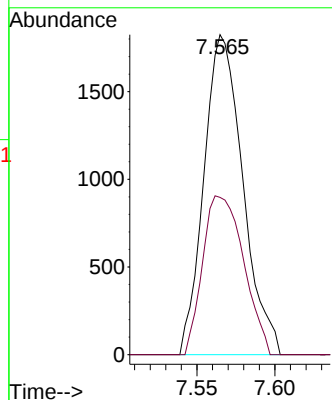
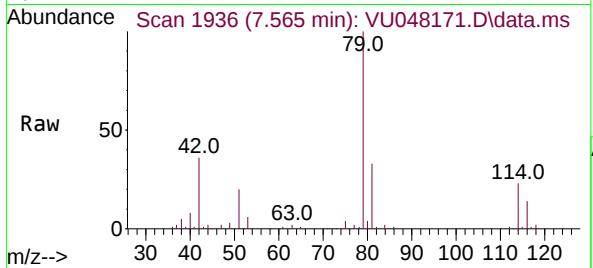
VIBLK064

Tgt Ion: 75 Resp: 3162

Ion Ratio Lower Upper

75 100

77 49.2 21.8 40.6#



#51

Chlorobenzene

Concen: 2.637 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU048171.D

Acq: 21 Apr 2022 14:33

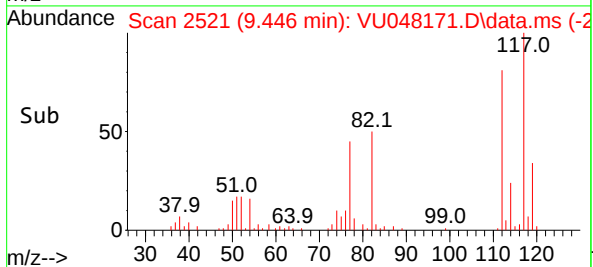
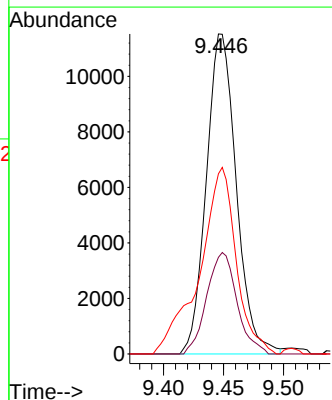
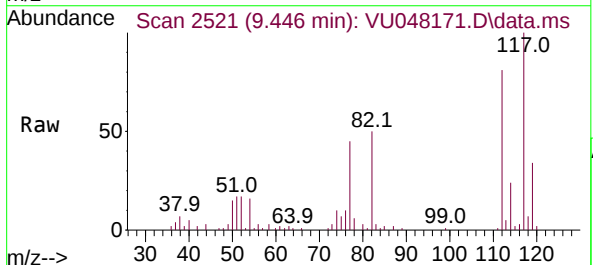
Tgt Ion: 112 Resp: 20038

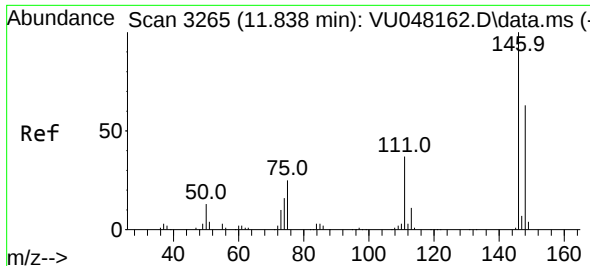
Ion Ratio Lower Upper

112 100

114 30.2 22.1 41.1

77 56.3 43.4 65.0

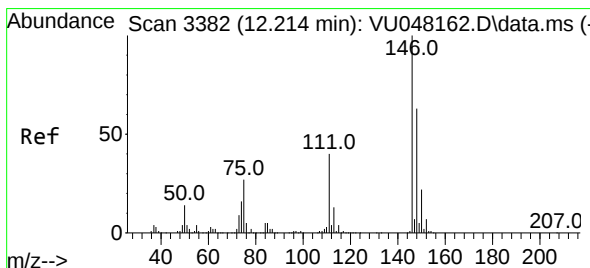
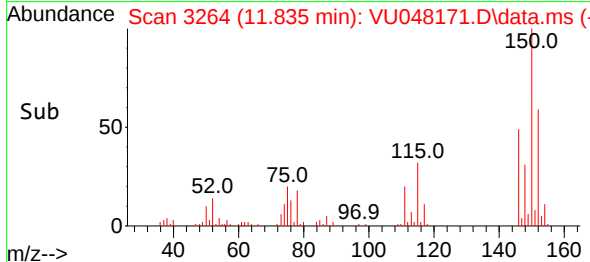
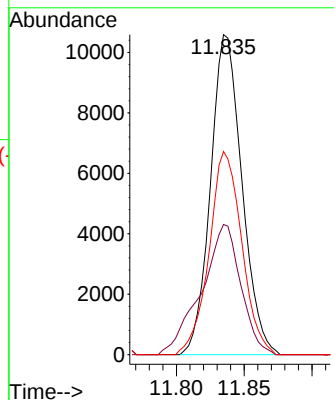
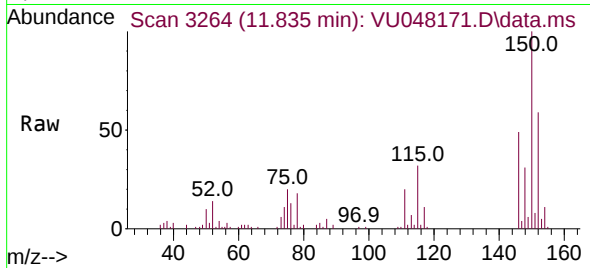




#65
1,4-Dichlorobenzene
Concen: 3.165 ug/L
RT: 11.835 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048171.D
Acq: 21 Apr 2022 14:33

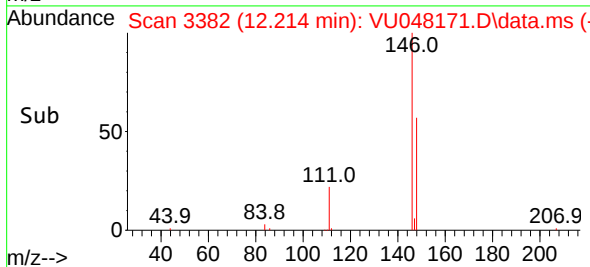
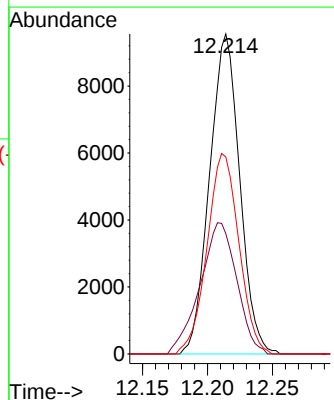
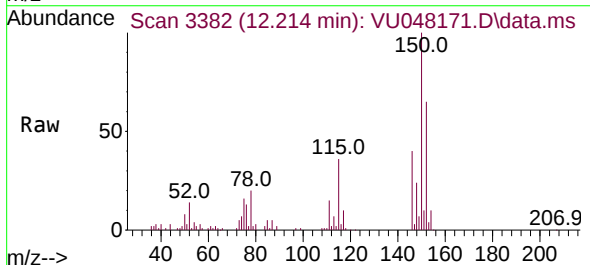
Instrument :
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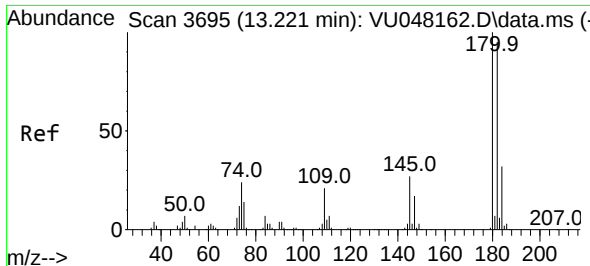
Tgt Ion:146 Resp: 17058
Ion Ratio Lower Upper
146 100
111 40.7 25.3 47.1
148 63.5 44.5 82.7



#67
1,2-Dichlorobenzene
Concen: 2.960 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. -0.000 min
Lab File: VU048171.D
Acq: 21 Apr 2022 14:33

Tgt Ion:146 Resp: 15412
Ion Ratio Lower Upper
146 100
111 37.6 31.7 47.5
148 61.6 51.4 77.2

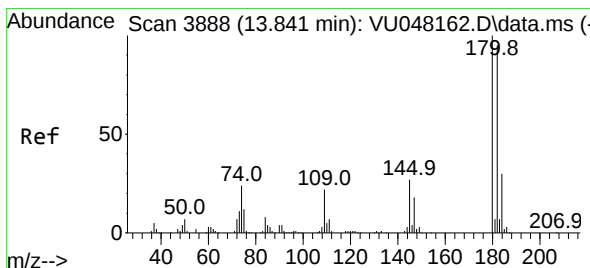
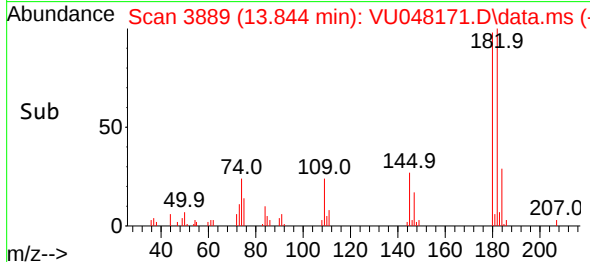
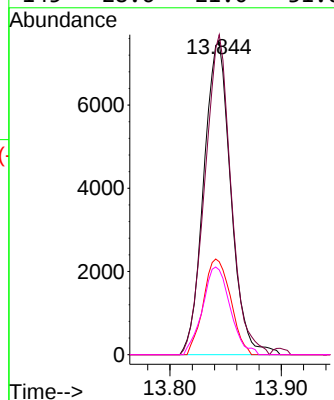
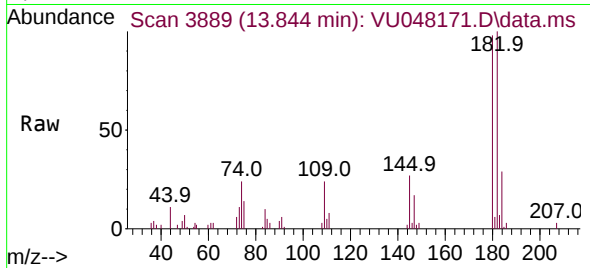




#69
 1,3,5-Trichlorobenzene
 Concen: 3.008 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.624 min
 Lab File: VU048171.D
 Acq: 21 Apr 2022 14:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK064

Tgt Ion:180	Resp:	12710
Ion Ratio	Lower	Upper
180	100	
182	98.5	77.0 115.6
184	30.6	24.5 36.7
145	28.6	21.0 31.6



#70
 1,2,4-trichlorobenzene
 Concen: 3.434 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.003 min
 Lab File: VU048171.D
 Acq: 21 Apr 2022 14:33

Tgt Ion:180	Resp:	12710
Ion Ratio	Lower	Upper
180	100	
182	98.5	76.2 114.2
145	28.6	21.8 32.8

