

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041822\
 Data File : VU048115.D
 Acq On : 18 Apr 2022 12:58
 Operator : SY/MD
 Sample : N2419-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J52

Quant Time: Apr 19 03:39:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 19 03:36:43 2022
 Response via : Initial Calibration

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

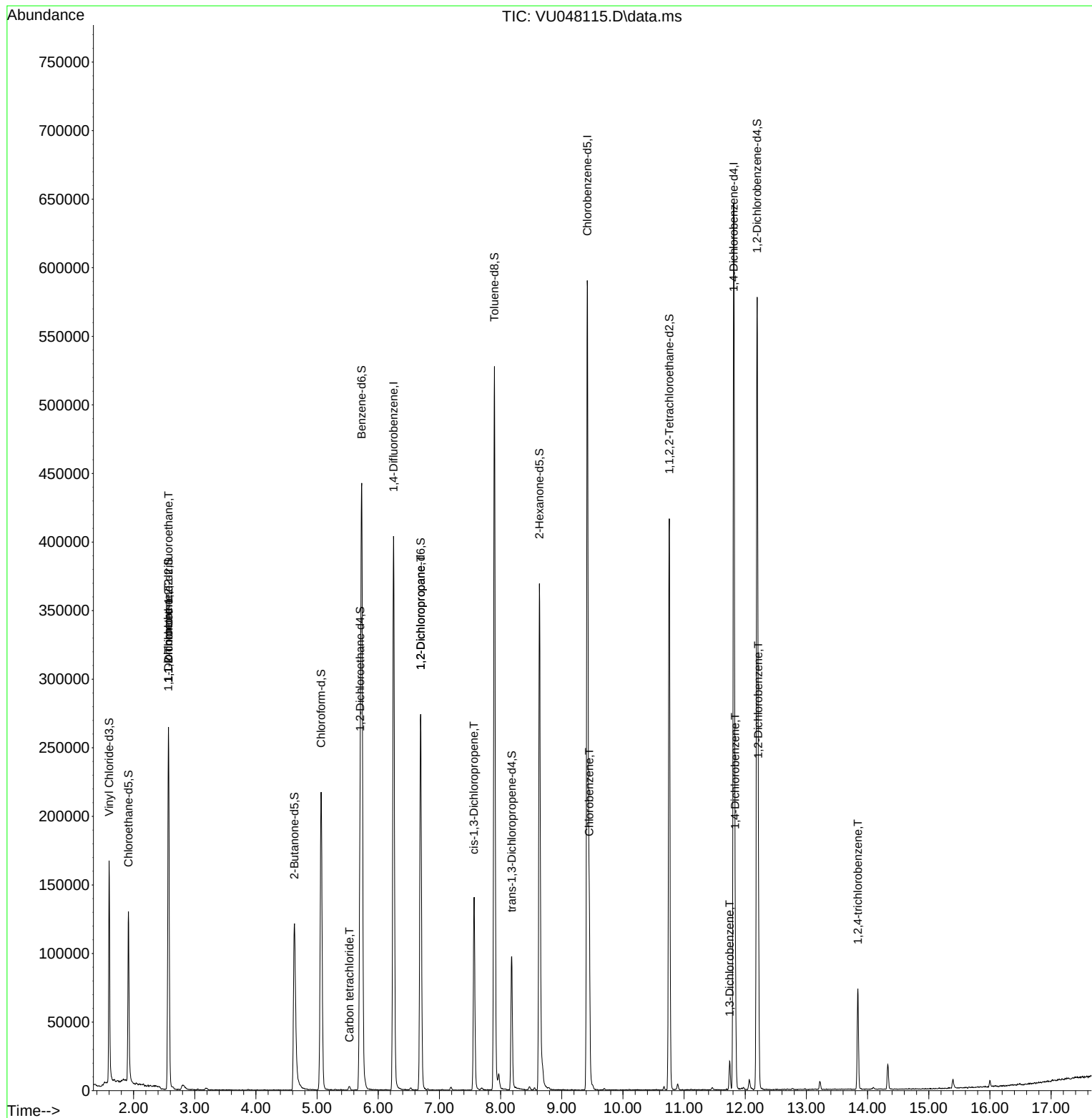
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	351418	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	353718	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	182790	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	121355	47.621	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.240%		
7) Chloroethane-d5	1.915	69	98932	49.235	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.460%		
11) 1,1-Dichloroethene-d2	2.571	63	152923	32.799	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.600%		
21) 2-Butanone-d5	4.629	46	184568	84.381	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	84.380%		
24) Chloroform-d	5.066	84	205931	44.164	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.320%		
26) 1,2-Dichloroethane-d4	5.703	65	129984	45.452	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.900%		
32) Benzene-d6	5.729	84	421785	47.389	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.780%		
36) 1,2-Dichloropropane-d6	6.693	67	136957	50.104	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.200%		
41) Toluene-d8	7.899	98	364470	42.030	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.060%		
43) trans-1,3-Dichloroprop...	8.182	79	57129	41.254	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.500%		
47) 2-Hexanone-d5	8.635	63	127920	79.942	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	79.940%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	205886	43.889	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	87.780%		
66) 1,2-Dichlorobenzene-d4	12.195	152	158320	48.684	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.360%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	1507	0.582	ug/L #	18
12) 1,1-Dichloroethene	2.568	96	1380	0.572	ug/L #	1
31) Carbon tetrachloride	5.526	117	1798	0.496	ug/L	96
37) 1,2-Dichloropropane	6.693	63	13831	5.314	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	3321	0.822	ug/L #	79
51) Chlorobenzene	9.449	112	73932	9.692	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	8924	1.625	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	37536	6.600	ug/L	97
67) 1,2-Dichlorobenzene	12.214	146	52099	9.483	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	24323	6.227	ug/L	97

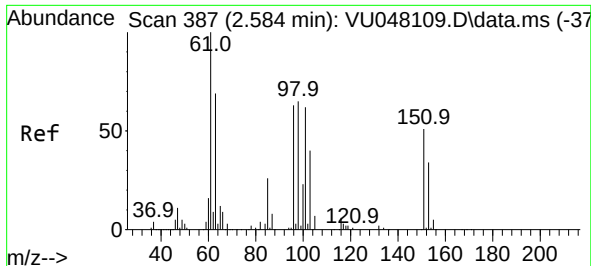
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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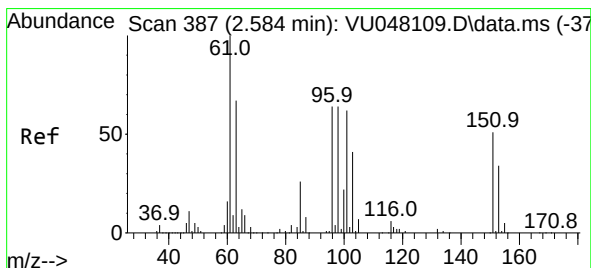
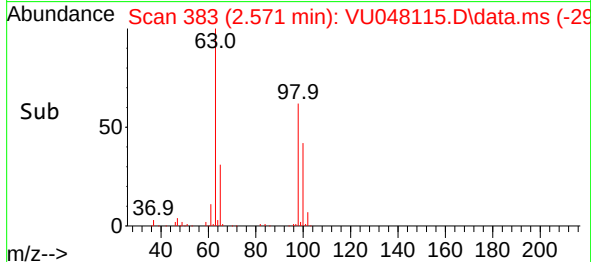
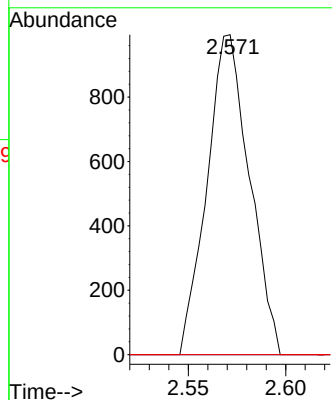
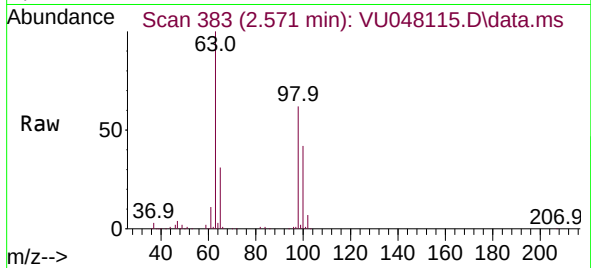




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.582 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.013 min
Lab File: VU048115.D
Acq: 18 Apr 2022 12:58

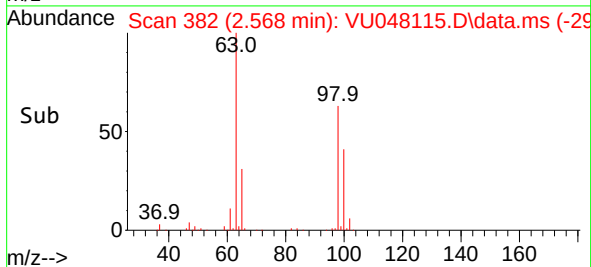
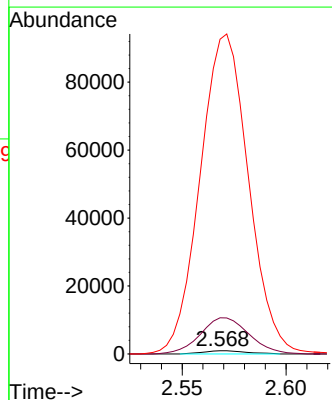
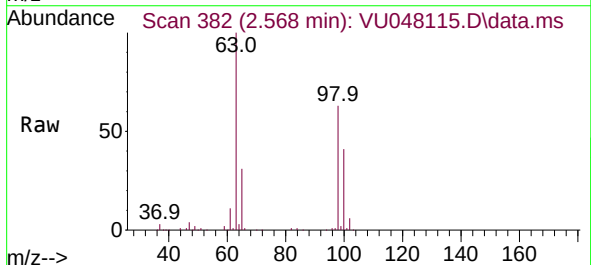
Instrument :
MSVOA_U
ClientSampleId :
C0J52

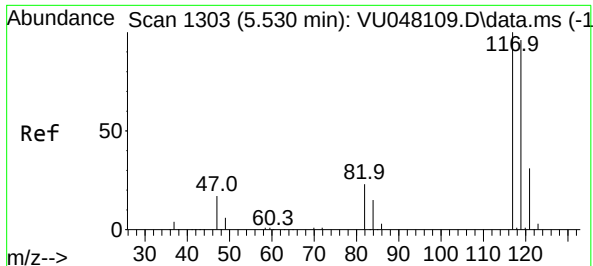
Tgt Ion:101 Resp: 1507
Ion Ratio Lower Upper
101 100
85 0.0 32.8 49.2#
151 0.0 63.0 94.6#



#12
1,1-Dichloroethene
Concen: 0.572 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.016 min
Lab File: VU048115.D
Acq: 18 Apr 2022 12:58

Tgt Ion: 96 Resp: 1380
Ion Ratio Lower Upper
96 100
61 1108.8 113.1 210.1#
63 9660.1 94.8 176.0#

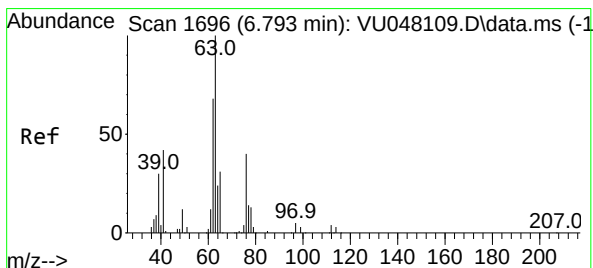
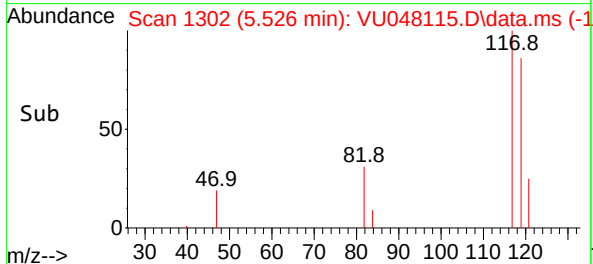
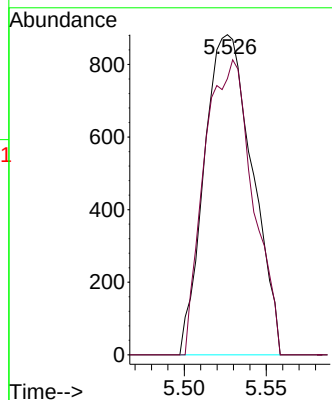
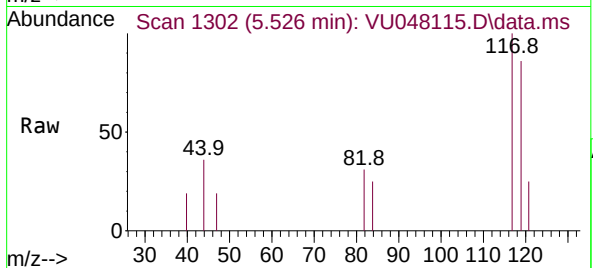




#31
Carbon tetrachloride
Concen: 0.496 ug/L
RT: 5.526 min Scan# 111
Delta R.T. -0.003 min
Lab File: VU048115.D
Acq: 18 Apr 2022 12:58

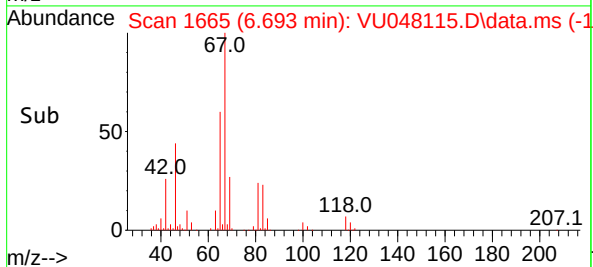
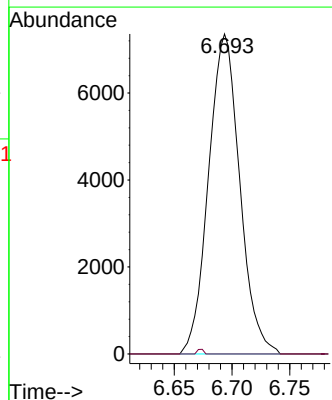
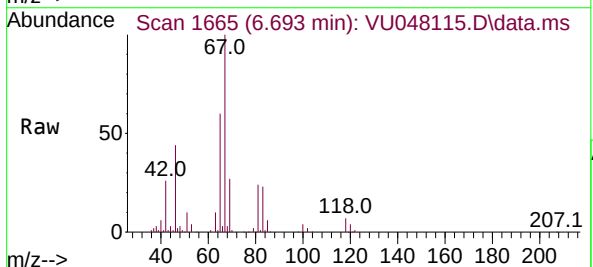
Instrument :
MSVOA_U
ClientSampleId :
C0J52

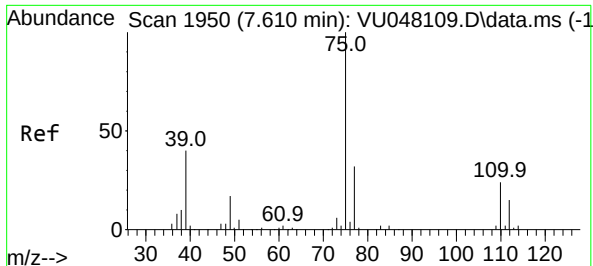
Tgt Ion:117 Resp: 1798
Ion Ratio Lower Upper
117 100
119 92.6 77.2 115.8



#37
1,2-Dichloropropane
Concen: 5.314 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU048115.D
Acq: 18 Apr 2022 12:58

Tgt Ion: 63 Resp: 13831
Ion Ratio Lower Upper
63 100
112 0.3 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.822 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU048115.D

Acq: 18 Apr 2022 12:58

Instrument :

MSVOA_U

ClientSampleId :

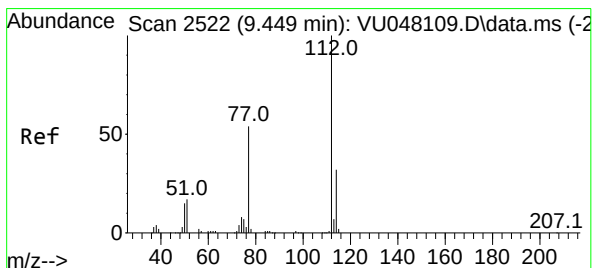
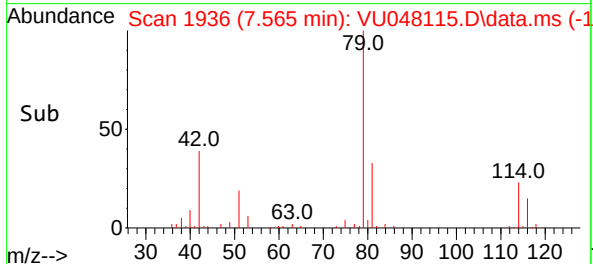
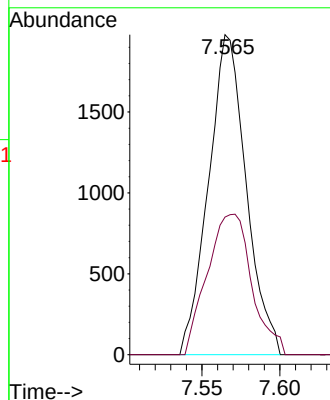
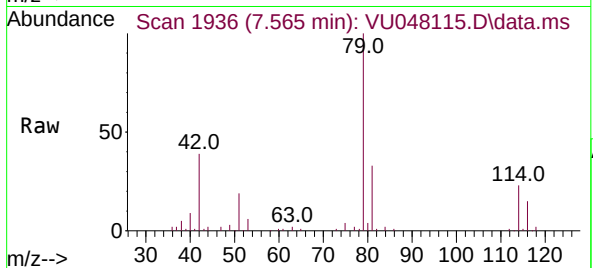
C0J52

Tgt Ion: 75 Resp: 3321

Ion Ratio Lower Upper

75 100

77 43.0 21.8 40.6#



#51

Chlorobenzene

Concen: 9.692 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU048115.D

Acq: 18 Apr 2022 12:58

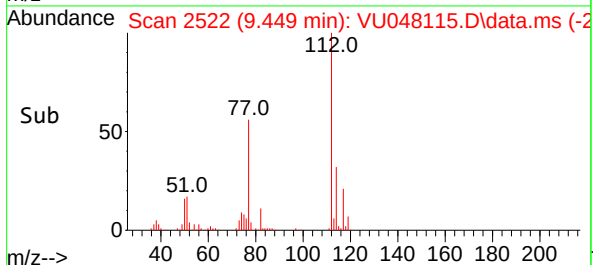
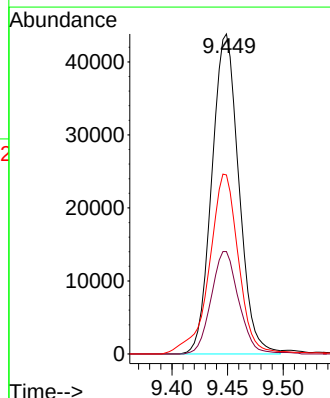
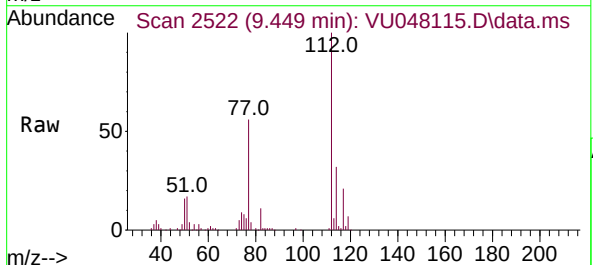
Tgt Ion: 112 Resp: 73932

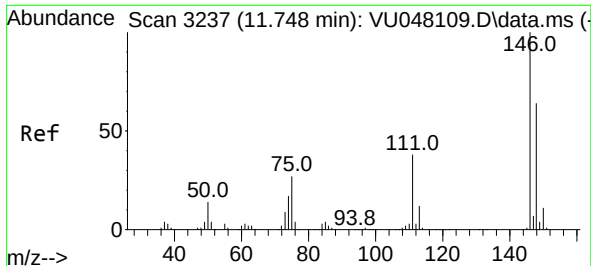
Ion Ratio Lower Upper

112 100

114 32.0 22.1 41.1

77 55.9 43.4 65.0

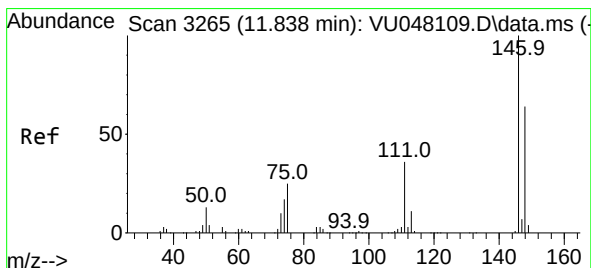
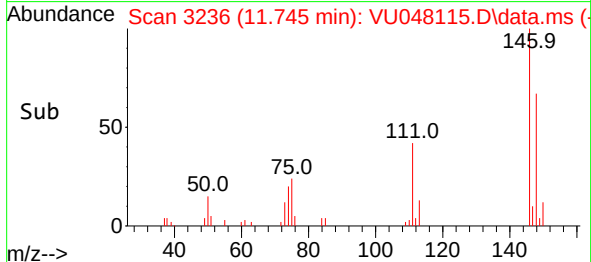
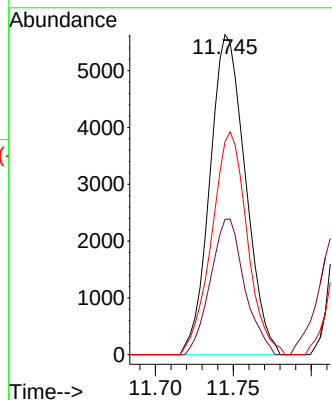
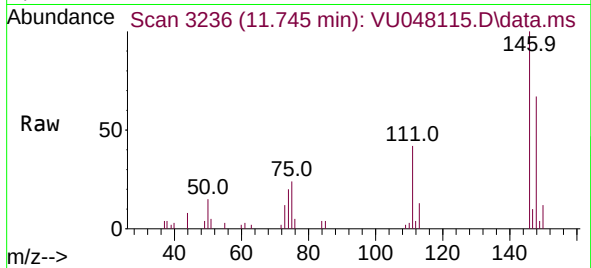




#64
1,3-Dichlorobenzene
Concen: 1.625 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048115.D
Acq: 18 Apr 2022 12:58

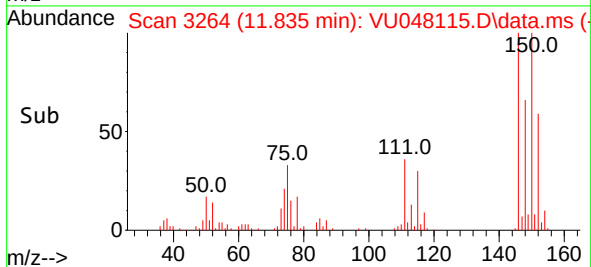
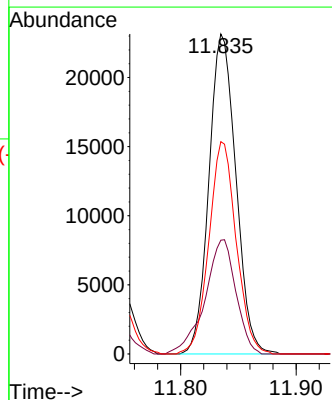
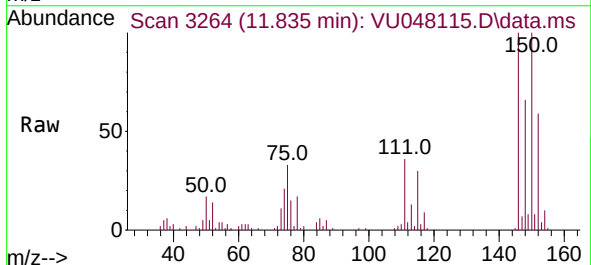
Instrument :
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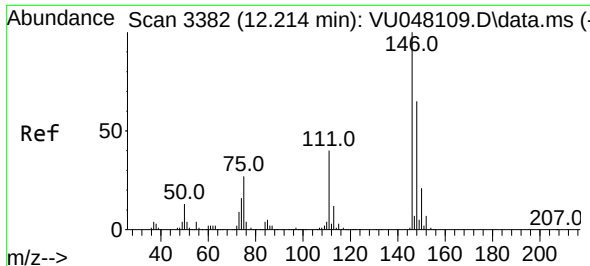
Tgt Ion:146 Resp: 8924
Ion Ratio Lower Upper
146 100
111 38.6 26.7 49.7
148 60.8 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 6.600 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU048115.D
Acq: 18 Apr 2022 12:58

Tgt Ion:146 Resp: 37536
Ion Ratio Lower Upper
146 100
111 35.6 25.3 47.1
148 66.3 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 9.483 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. -0.000 min

Lab File: VU048115.D

Acq: 18 Apr 2022 12:58

Instrument :

MSVOA_U

ClientSampleId :

C0J52

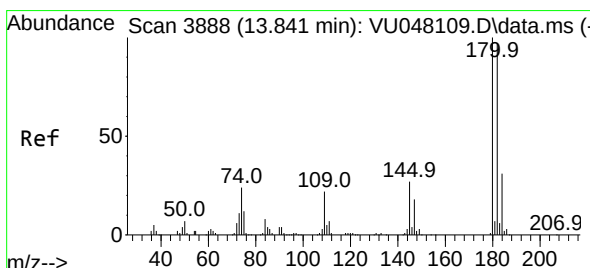
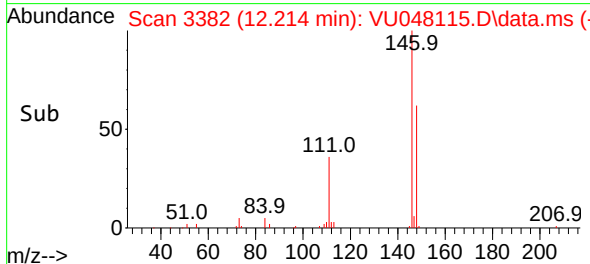
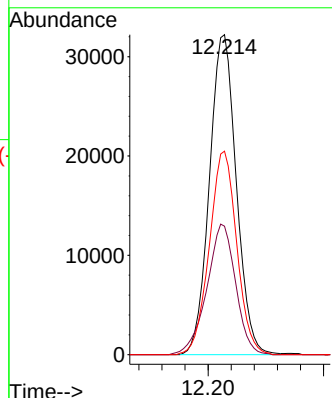
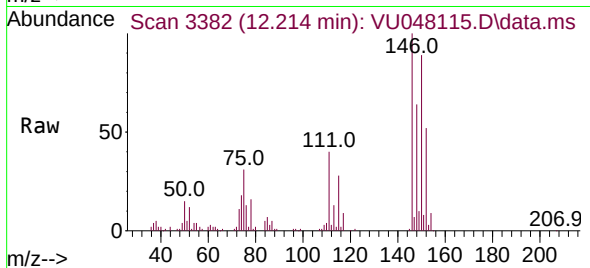
Tgt Ion:146 Resp: 52099

Ion Ratio Lower Upper

146 100

111 40.2 31.7 47.5

148 63.6 51.4 77.2



#70

1,2,4-trichlorobenzene

Concen: 6.227 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU048115.D

Acq: 18 Apr 2022 12:58

Tgt Ion:180 Resp: 24323

Ion Ratio Lower Upper

180 100

182 98.9 76.2 114.2

145 27.1 21.8 32.8

