

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042222\
 Data File : VU048224.D
 Acq On : 22 Apr 2022 14:58
 Operator : SY/MD
 Sample : N2485-15DL2 2000X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 22 22:02:15 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)

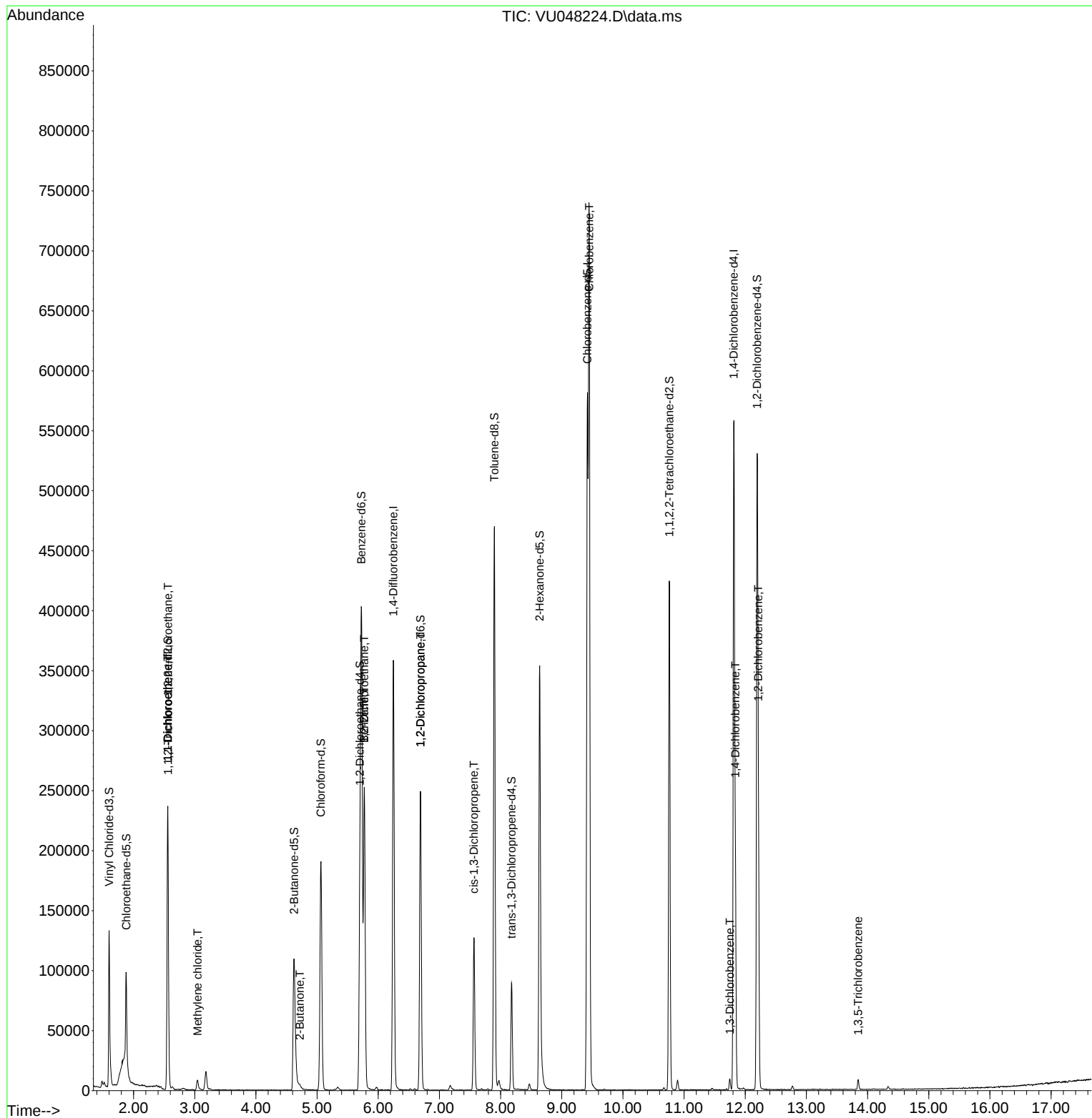
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	306510	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	330097	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	156023	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	112271	50.511	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	101.020%		
7) Chloroethane-d5	1.880	69	76451	43.621	ug/L	-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.240%		
11) 1,1-Dichloroethene-d2	2.559	63	135766	33.385	ug/L	-0.01
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.780%		
21) 2-Butanone-d5	4.623	46	170946	89.604	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.600%		
24) Chloroform-d	5.063	84	179986	44.256	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.520%		
26) 1,2-Dichloroethane-d4	5.700	65	113684	45.577	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.160%		
32) Benzene-d6	5.726	84	383676	46.192	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.380%		
36) 1,2-Dichloropropane-d6	6.690	67	124889	48.959	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.920%		
41) Toluene-d8	7.899	98	320986	39.664	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.320%#		
43) trans-1,3-Dichloroprop...	8.179	79	51194	39.614	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.220%		
47) 2-Hexanone-d5	8.639	63	126095	84.441	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	84.440%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	212125	48.455	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.900%		
66) 1,2-Dichlorobenzene-d4	12.195	152	137822	49.651	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.300%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1212	0.536	ug/L #	18
12) 1,1-Dichloroethene	2.559	96	1134	0.539	ug/L #	1
16) Methylene chloride	3.044	84	4954	2.053	ug/L	92
22) 2-Butanone	4.719	43	5128	2.242	ug/L	87
27) 1,2-Dichloroethane	5.771	62	2122	0.652	ug/L #	75
33) Benzene	5.771	78	247933	25.949	ug/L	100
37) 1,2-Dichloropropane	6.690	63	12357	5.087	ug/L #	87
39) cis-1,3-Dichloropropene	7.565	75	2535	0.673	ug/L #	38
51) Chlorobenzene	9.449	112	411577	57.819	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	4498	0.960	ug/L	95
65) 1,4-Dichlorobenzene	11.838	146	79541	16.385	ug/L	97
67) 1,2-Dichlorobenzene	12.214	146	85686	18.271	ug/L	98
69) 1,3,5-Trichlorobenzene	13.844	180	3385	0.889	ug/L	96

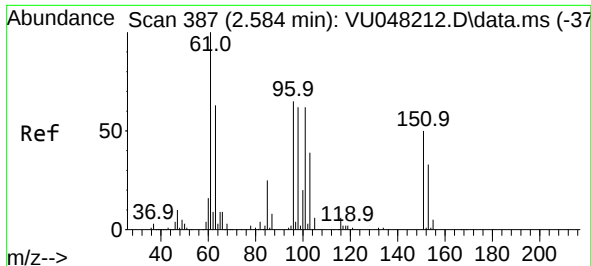
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.536 ug/L

RT: 2.562 min Scan# 3

Delta R.T. -0.022 min

Lab File: VU048224.D

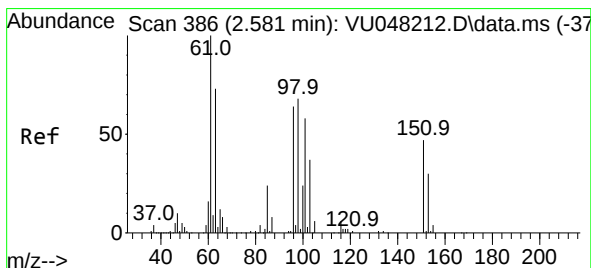
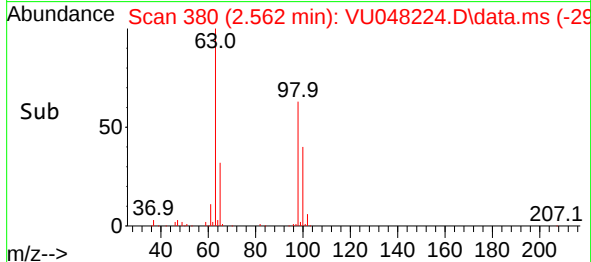
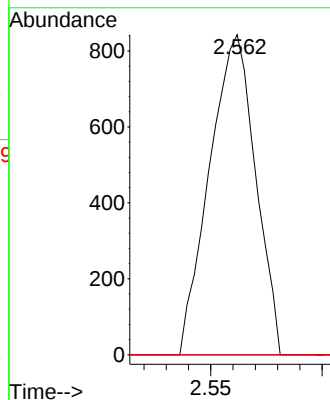
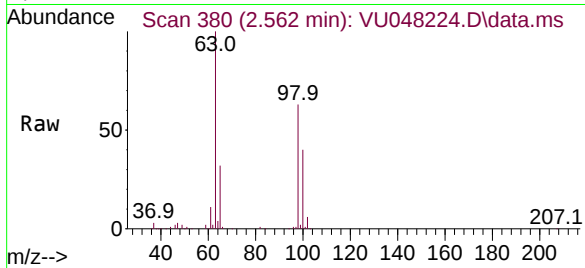
Acq: 22 Apr 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:101 Resp: 1212
 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: 0.539 ug/L

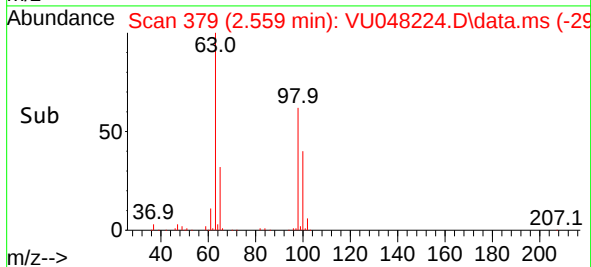
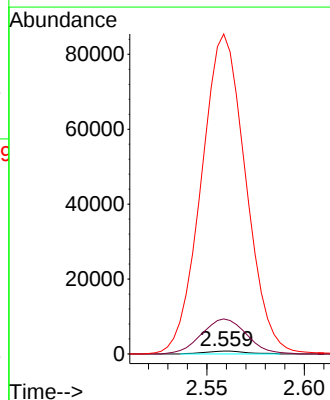
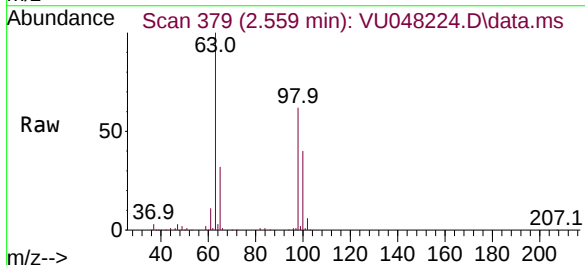
RT: 2.559 min Scan# 379

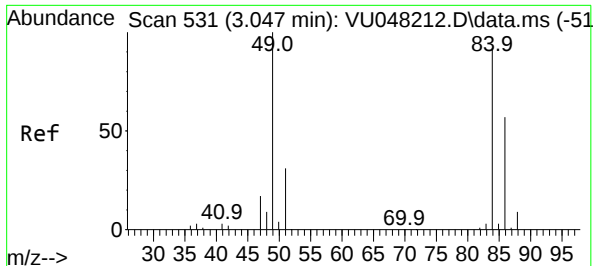
Delta R.T. -0.022 min

Lab File: VU048224.D

Acq: 22 Apr 2022 14:58

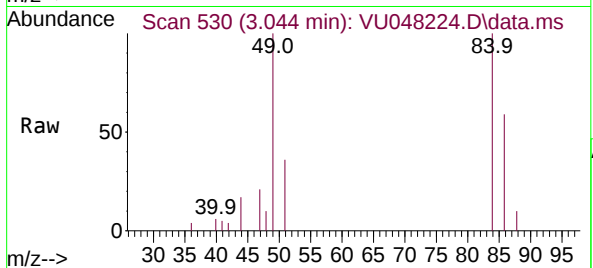
Tgt Ion: 96 Resp: 1134
 Ion Ratio Lower Upper
 96 100
 61 1216.3 113.1 210.1#
 63 11081.7 94.8 176.0#





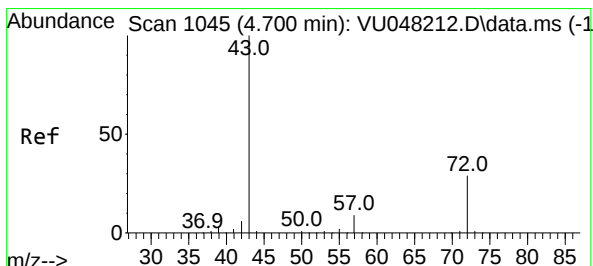
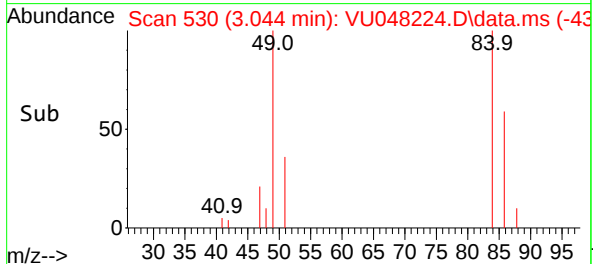
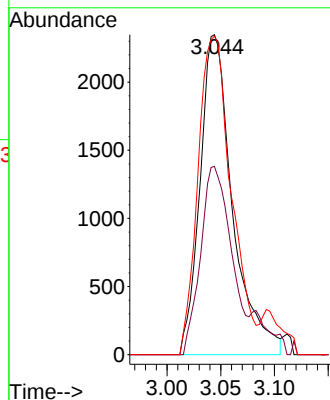
#16
Methylene chloride
Concen: 2.053 ug/L
RT: 3.044 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048224.D
Acq: 22 Apr 2022 14:58

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 4954

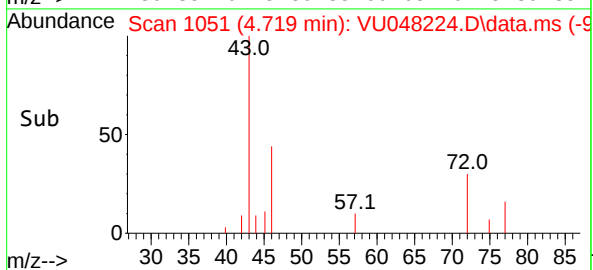
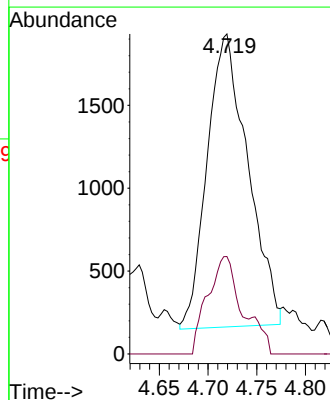
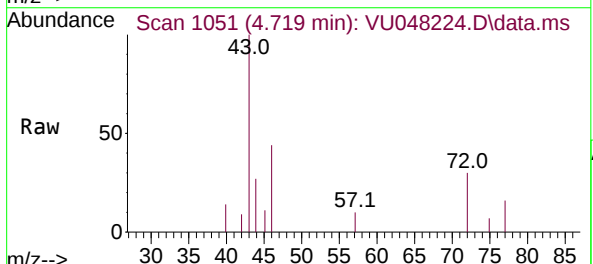
Ion	Ratio	Lower	Upper
84	100		
86	58.9	46.0	85.4
49	99.6	75.3	139.8

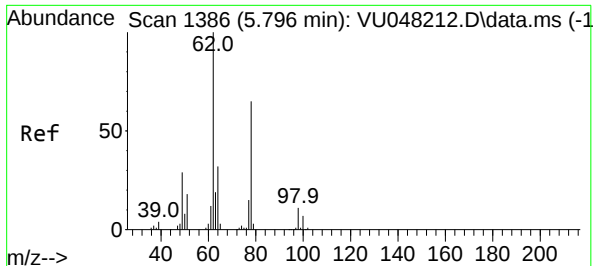


#22
2-Butanone
Concen: 2.242 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. 0.019 min
Lab File: VU048224.D
Acq: 22 Apr 2022 14:58

Tgt Ion: 43 Resp: 5128

Ion	Ratio	Lower	Upper
43	100		
72	24.8	16.0	47.9





#27

1,2-Dichloroethane

Concen: 0.652 ug/L

RT: 5.771 min Scan# 1378

Delta R.T. -0.026 min

Lab File: VU048224.D

Acq: 22 Apr 2022 14:58

Instrument :

MSVOA_U

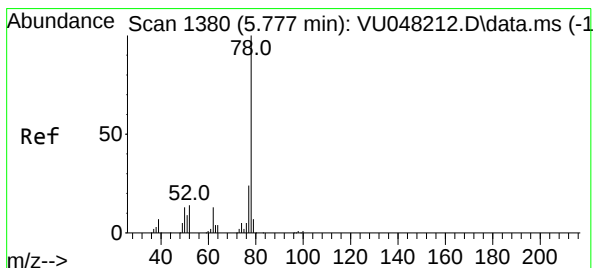
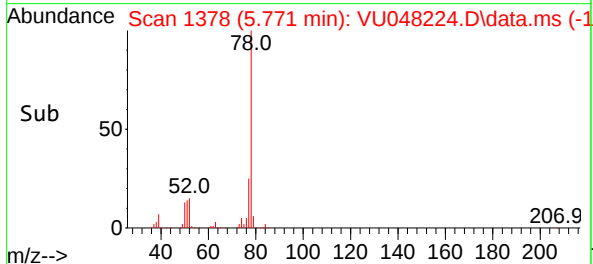
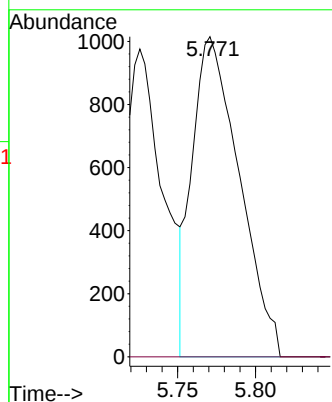
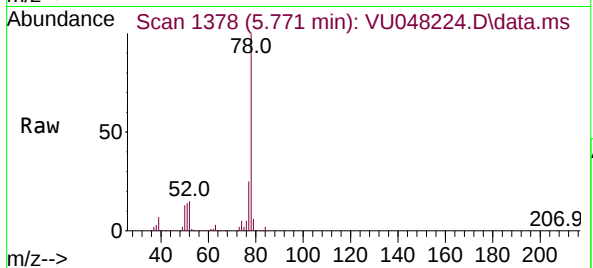
ClientSampleId :

Tgt Ion: 62 Resp: 2122

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#33

Benzene

Concen: 25.949 ug/L

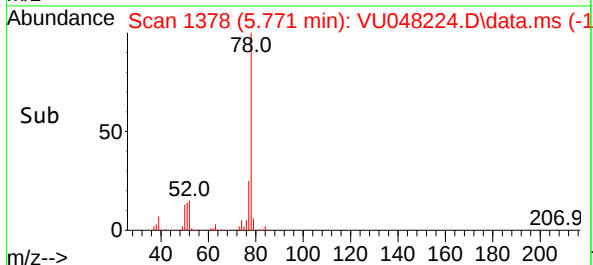
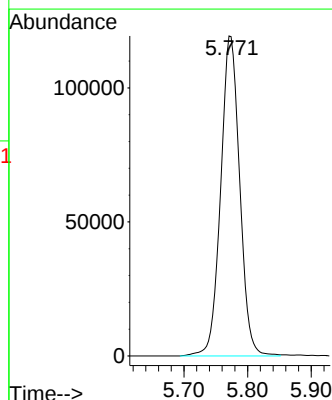
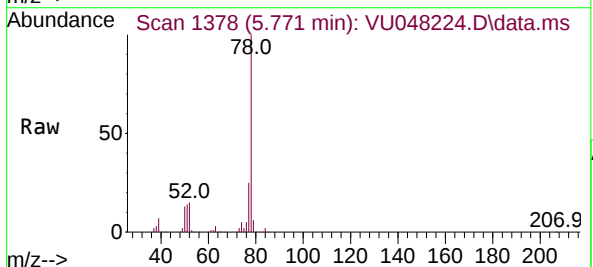
RT: 5.771 min Scan# 1378

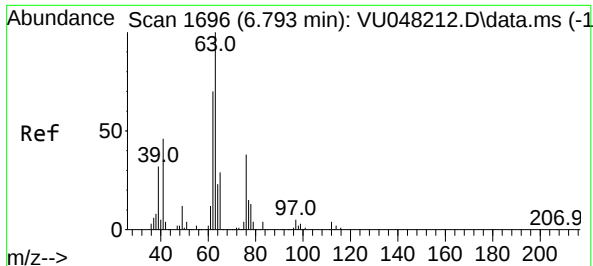
Delta R.T. -0.006 min

Lab File: VU048224.D

Acq: 22 Apr 2022 14:58

Tgt Ion: 78 Resp: 247933





#37

1,2-Dichloropropane

Concen: 5.087 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU048224.D

Acq: 22 Apr 2022 14:58

Instrument :

MSVOA_U

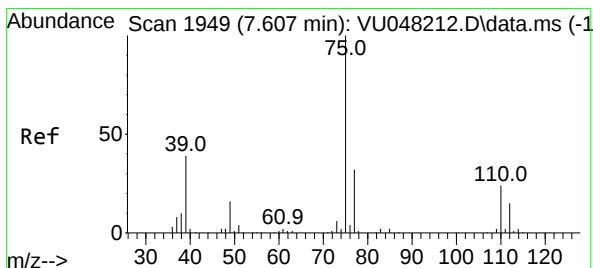
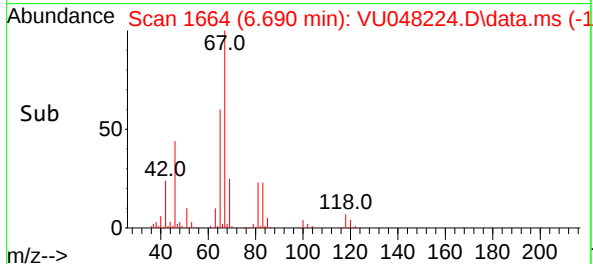
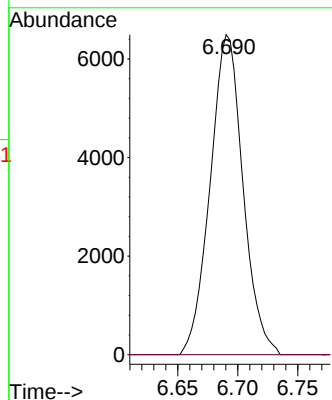
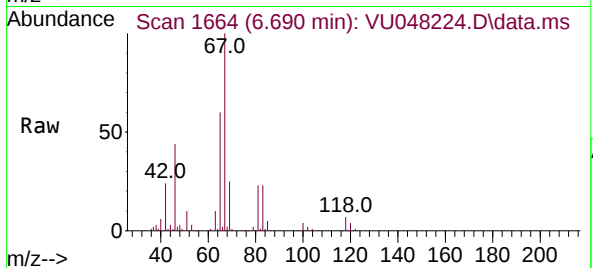
ClientSampleId :

Tgt Ion: 63 Resp: 12357

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.673 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.042 min

Lab File: VU048224.D

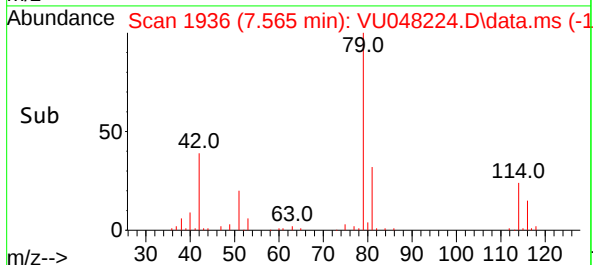
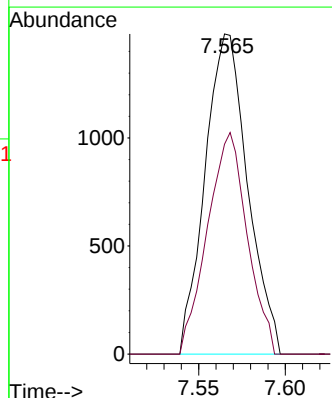
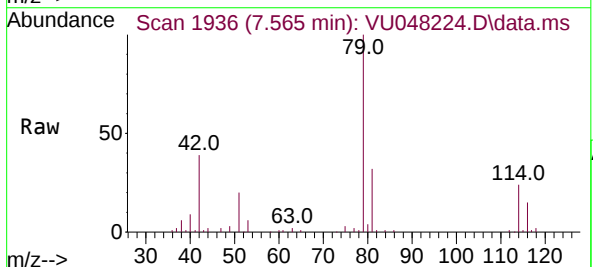
Acq: 22 Apr 2022 14:58

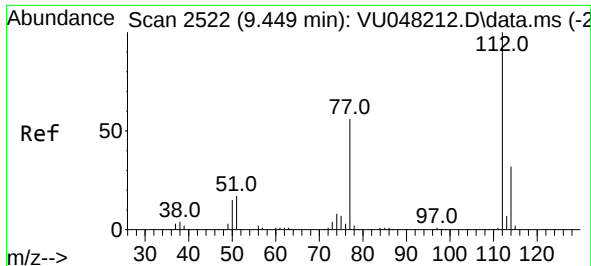
Tgt Ion: 75 Resp: 2535

Ion Ratio Lower Upper

75 100

77 65.6 21.8 40.6#

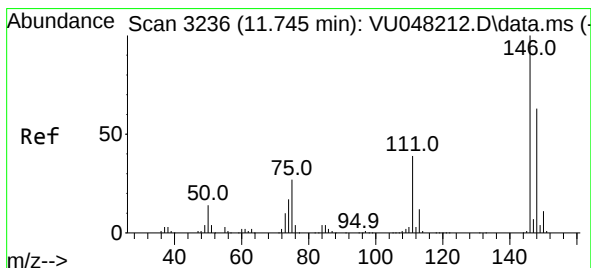
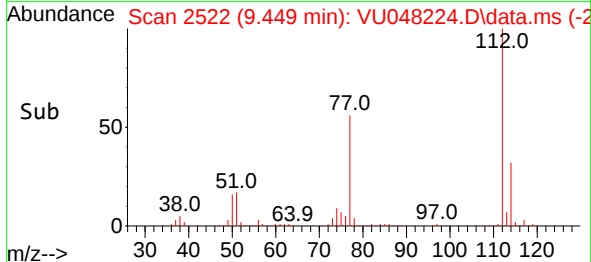
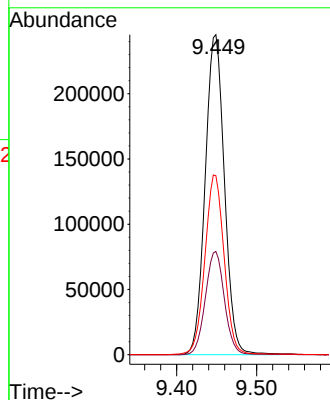
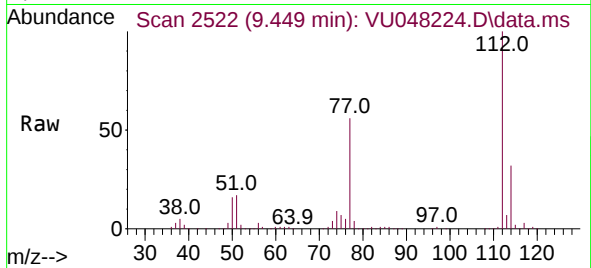




#51
Chlorobenzene
Concen: 57.819 ug/L
RT: 9.449 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU048224.D
Acq: 22 Apr 2022 14:58

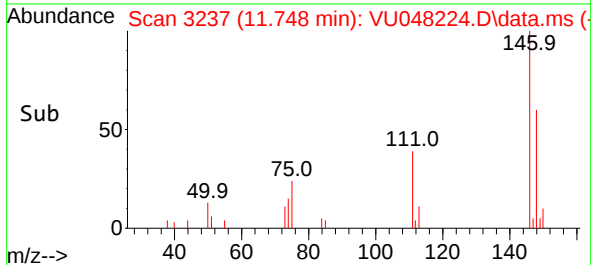
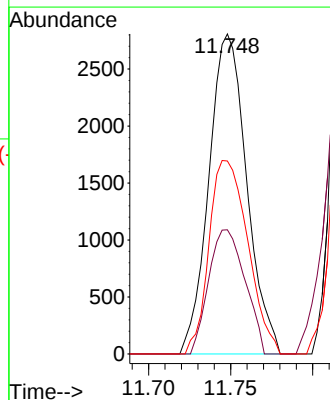
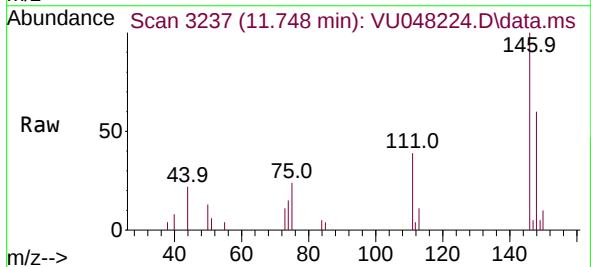
Instrument :
MSVOA_U
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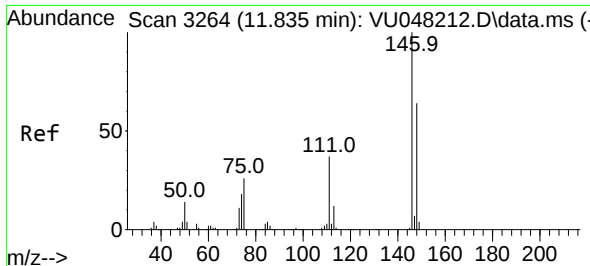
Tgt Ion:112 Resp: 411577
Ion Ratio Lower Upper
112 100
114 32.2 22.1 41.1
77 55.9 43.4 65.0



#64
1,3-Dichlorobenzene
Concen: 0.960 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.003 min
Lab File: VU048224.D
Acq: 22 Apr 2022 14:58

Tgt Ion:146 Resp: 4498
Ion Ratio Lower Upper
146 100
111 42.4 26.7 49.7
148 60.3 44.4 82.5

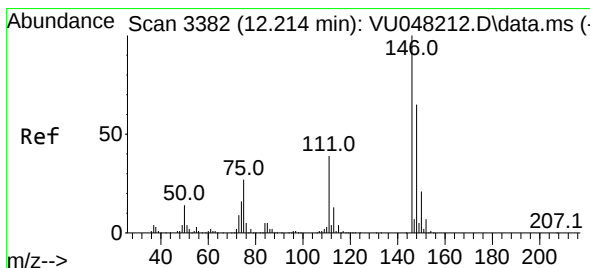
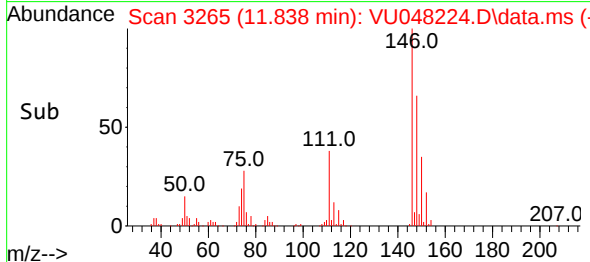
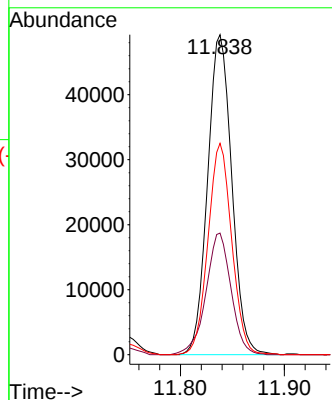
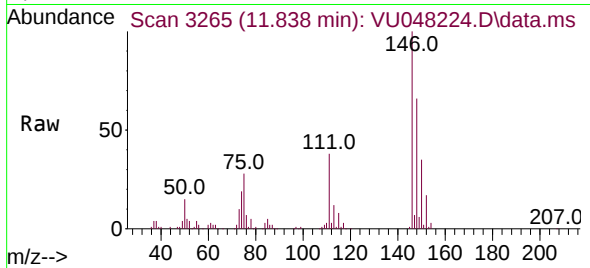




#65
1,4-Dichlorobenzene
Concen: 16.385 ug/L
RT: 11.838 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048224.D
Acq: 22 Apr 2022 14:58

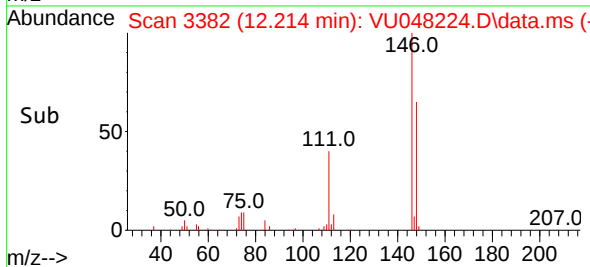
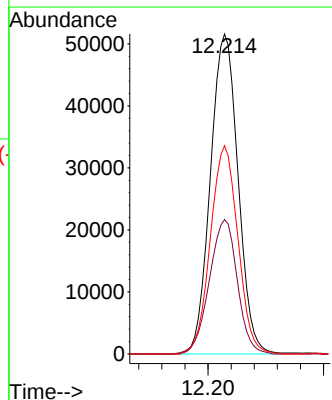
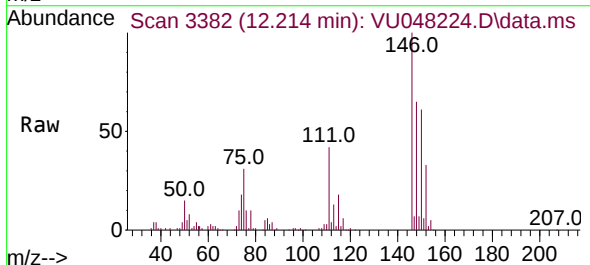
Instrument :
MSVOA_U
ClientSampleId :

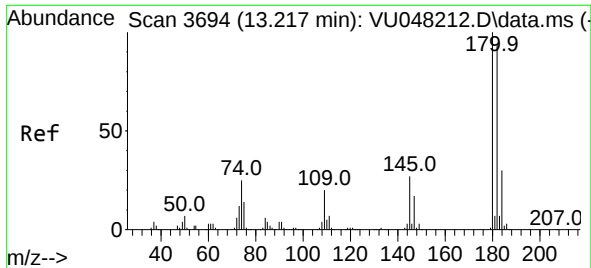
Tgt Ion:146 Resp: 79541
Ion Ratio Lower Upper
146 100
111 38.0 25.3 47.1
148 66.1 44.5 82.7



#67
1,2-Dichlorobenzene
Concen: 18.271 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU048224.D
Acq: 22 Apr 2022 14:58

Tgt Ion:146 Resp: 85686
Ion Ratio Lower Upper
146 100
111 42.0 31.7 47.5
148 65.1 51.4 77.2





#69

1,3,5-Trichlorobenzene

Concen: 0.889 ug/L

RT: 13.844 min Scan# 3889

Delta R.T. 0.627 min

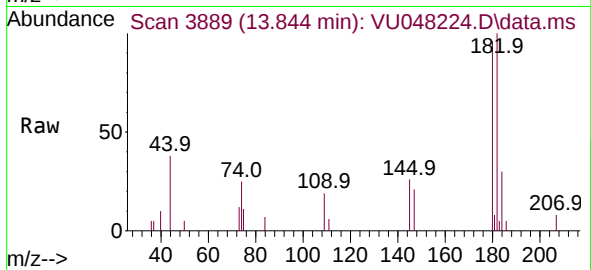
Lab File: VU048224.D

Acq: 22 Apr 2022 14:58

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 3385

Ion Ratio Lower Upper

180 100

182 91.1 77.0 115.6

184 30.0 24.5 36.7

145 27.3 21.0 31.6

