

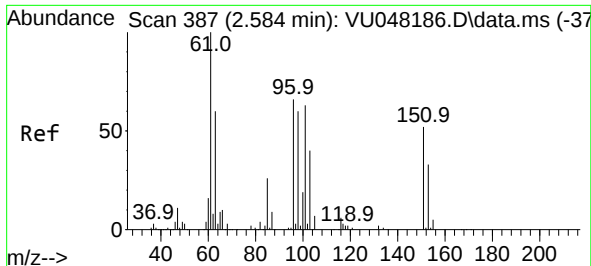
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042122\
 Data File : VU048206.D
 Acq On : 22 Apr 2022 05:58
 Operator : SY/MD
 Sample : N2488-13 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0HZ6

Quant Time: Apr 22 06:39:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 22 02:51:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	332135	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	350918	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	168382	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	89158	37.018	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.040%
7) Chloroethane-d5	1.912	69	79025	41.611	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.220%
11) 1,1-Dichloroethene-d2	2.568	63	124260	28.199	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.400%#
21) 2-Butanone-d5	4.620	46	187121	90.515	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.520%
24) Chloroform-d	5.067	84	191250	43.397	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	5.703	65	119186	44.096	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.200%
32) Benzene-d6	5.729	84	383138	43.390	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.780%
36) 1,2-Dichloropropane-d6	6.690	67	130045	47.955	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.920%
41) Toluene-d8	7.899	98	325443	37.829	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.660%#
43) trans-1,3-Dichloroprop...	8.179	79	48373	35.210	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.420%
47) 2-Hexanone-d5	8.632	63	113638	71.584	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	71.580%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	202911	43.600	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	148565	49.593	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.180%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1325	0.541	ug/L #	18
12) 1,1-Dichloroethene	2.571	96	1060	0.465	ug/L #	1
31) Carbon tetrachloride	5.526	117	1934	0.538	ug/L #	44
33) Benzene	5.774	78	190221	18.727	ug/L	100
37) 1,2-Dichloropropane	6.690	63	13106	5.076	ug/L #	87
39) cis-1,3-Dichloropropene	7.568	75	2468	0.616	ug/L #	33
51) Chlorobenzene	9.446	112	822857	108.737	ug/L	98
60) 1,2,3-Trichloropropane	11.745	75	10080	3.176	ug/L #	48
64) 1,3-Dichlorobenzene	11.745	146	36068	7.131	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	299081	57.086	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	373408	73.780	ug/L	100
69) 1,3,5-Trichlorobenzene	13.841	180	115009	27.997	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	115009	31.964	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	38593	10.699	ug/L	100

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



#10

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

Concen: 0.541 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.016 min

Lab File: VU048206.D

Acq: 22 Apr 2022 05:58

Instrument :

MSVOA_V

ClientSampleId :

COHZ6

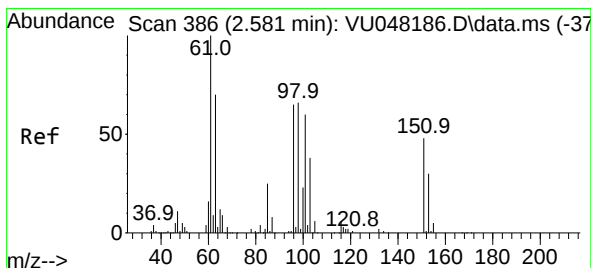
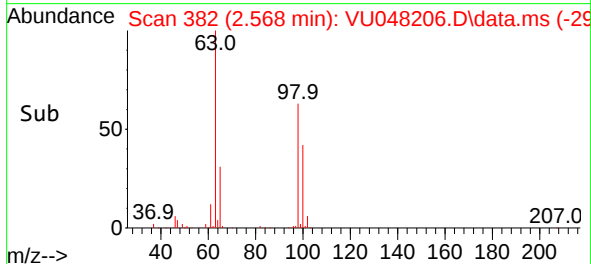
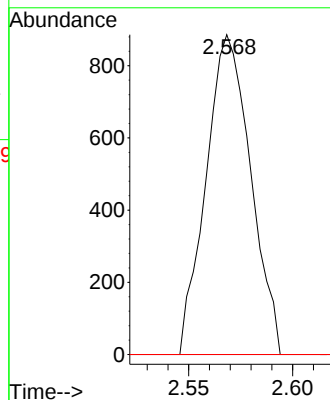
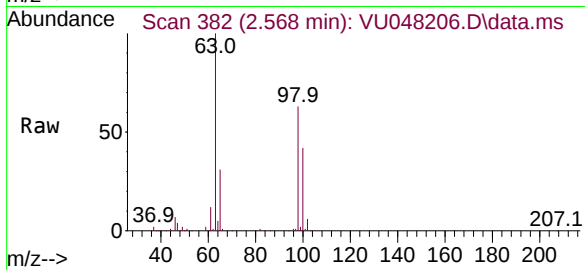
Tgt Ion:101 Resp: 1325

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: 0.465 ug/L

RT: 2.571 min Scan# 383

Delta R.T. -0.010 min

Lab File: VU048206.D

Acq: 22 Apr 2022 05:58

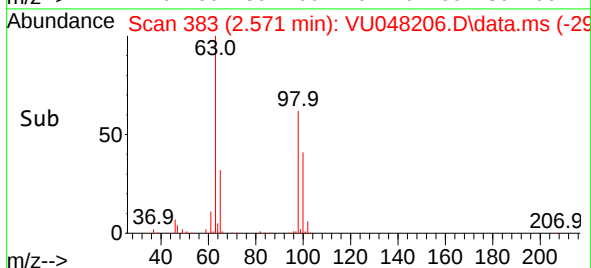
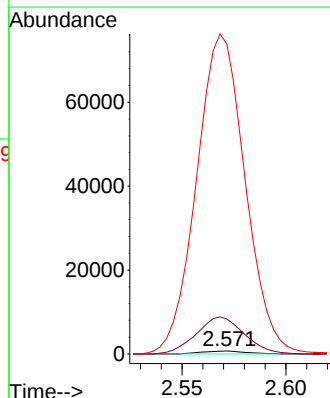
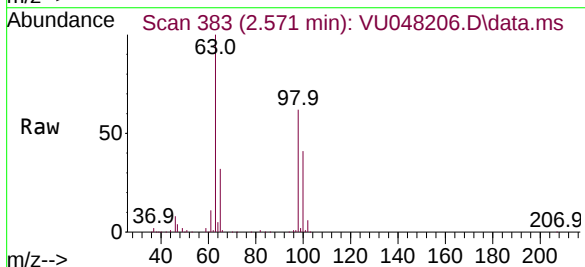
Tgt Ion: 96 Resp: 1060

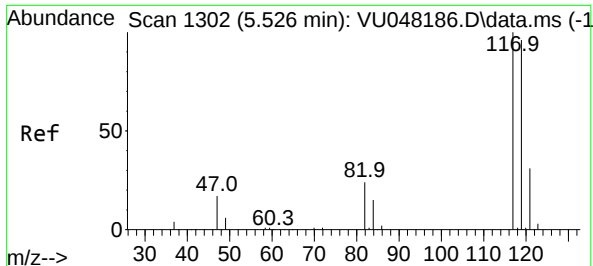
Ion Ratio Lower Upper

96 100

61 1173.8 113.1 210.1#

63 10400.0 94.8 176.0#

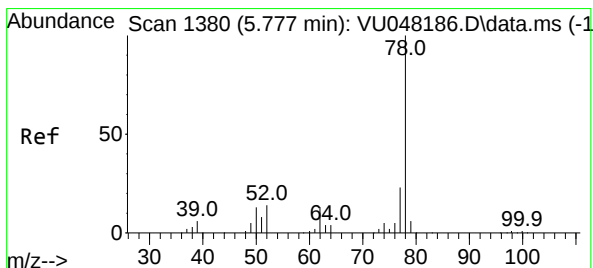
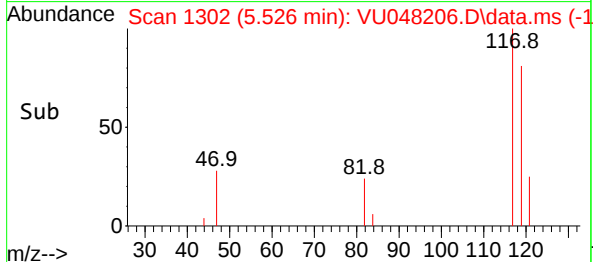
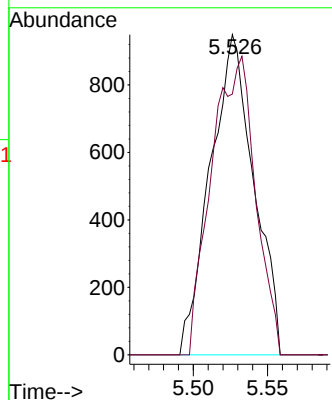
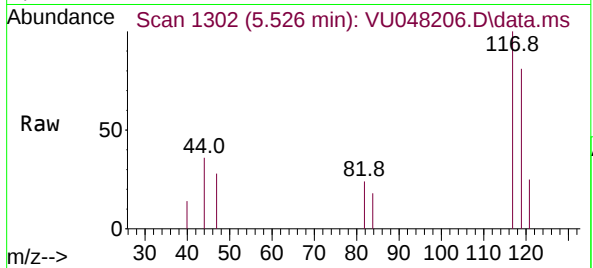




#31
Carbon tetrachloride
Concen: 0.538 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU048206.D
Acq: 22 Apr 2022 05:58

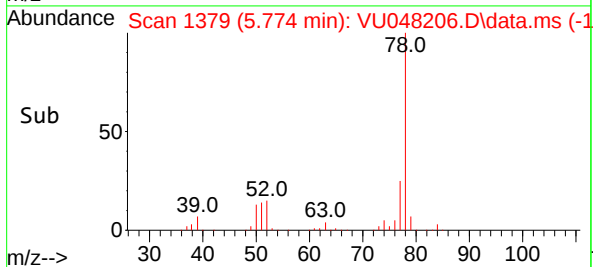
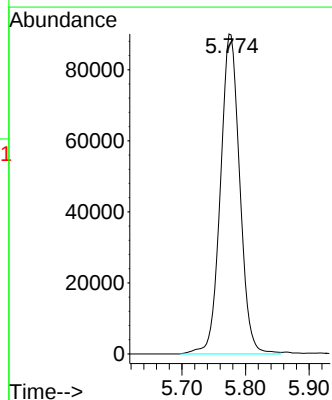
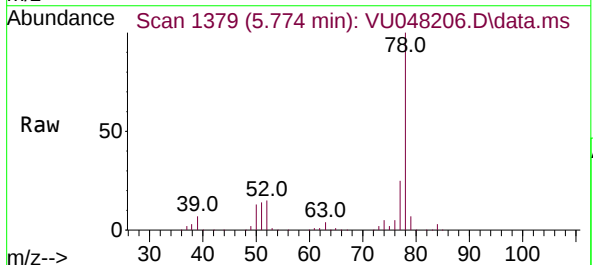
Instrument :
MSVOA_V
ClientSampleId :
C0HZ6

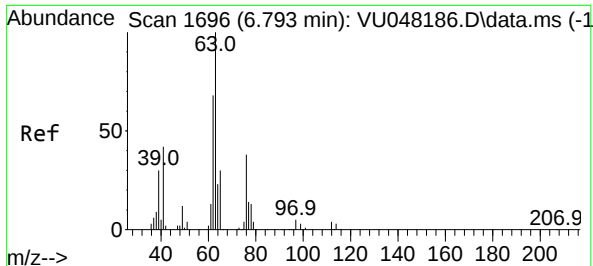
Tgt Ion:117 Resp: 1934
Ion Ratio Lower Upper
117 100
119 42.0 77.2 115.8#



#33
Benzene
Concen: 18.727 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VU048206.D
Acq: 22 Apr 2022 05:58

Tgt Ion: 78 Resp: 190221





#37

1,2-Dichloropropane

Concen: 5.076 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU048206.D

Acq: 22 Apr 2022 05:58

Instrument :

MSVOA_V

ClientSampleId :

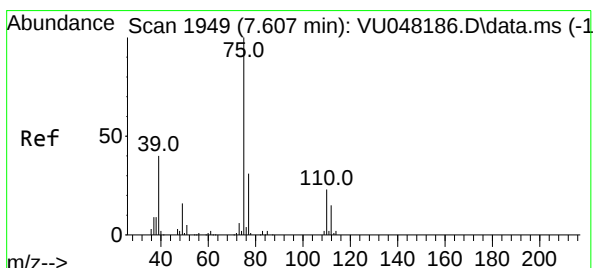
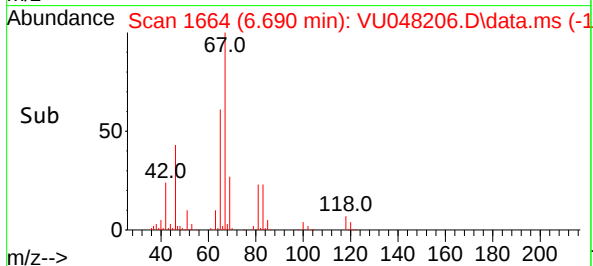
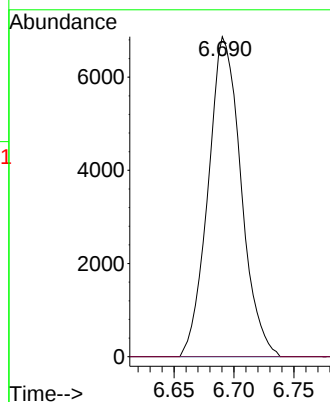
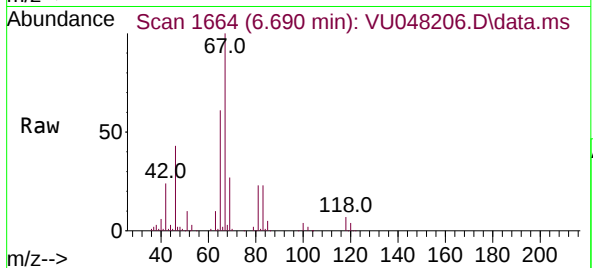
COHZ6

Tgt Ion: 63 Resp: 13106

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.616 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.039 min

Lab File: VU048206.D

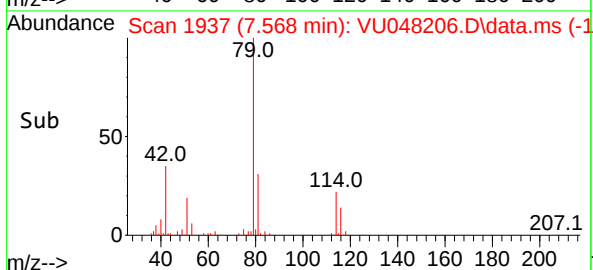
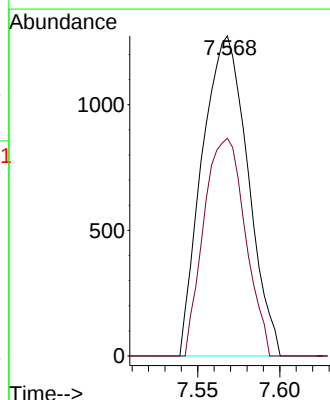
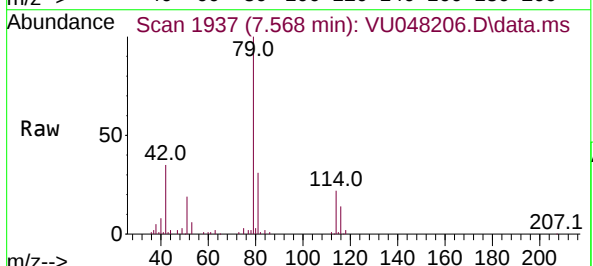
Acq: 22 Apr 2022 05:58

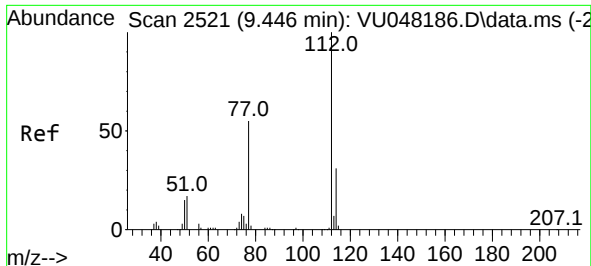
Tgt Ion: 75 Resp: 2468

Ion Ratio Lower Upper

75 100

77 68.1 21.8 40.6#

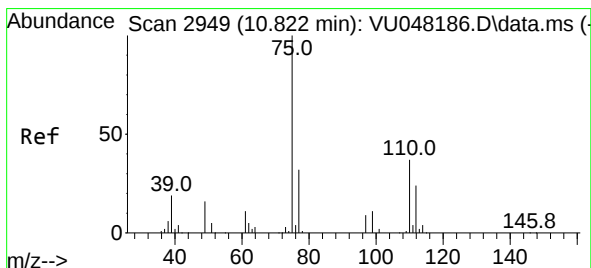
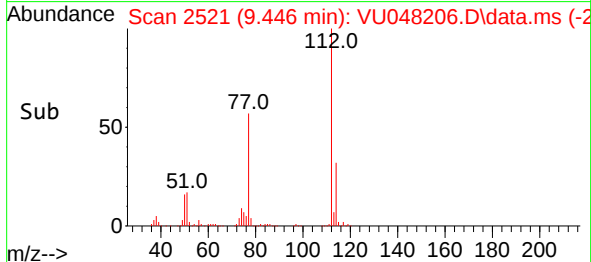
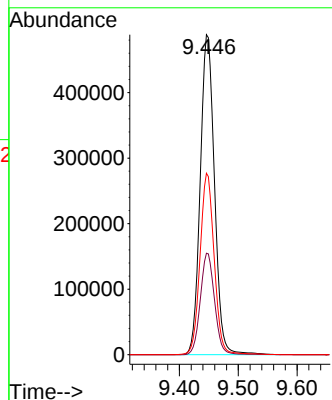
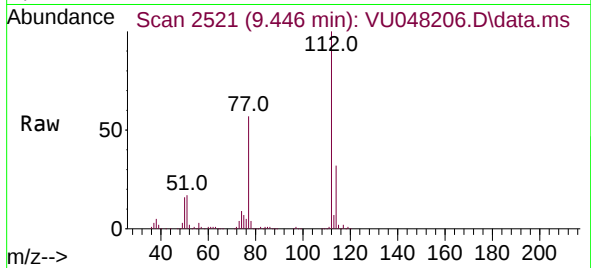




#51
Chlorobenzene
Concen: 108.737 ug/L
RT: 9.446 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048206.D
Acq: 22 Apr 2022 05:58

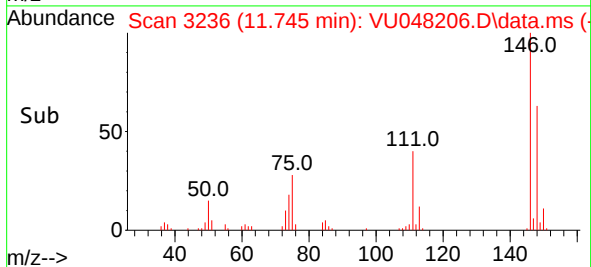
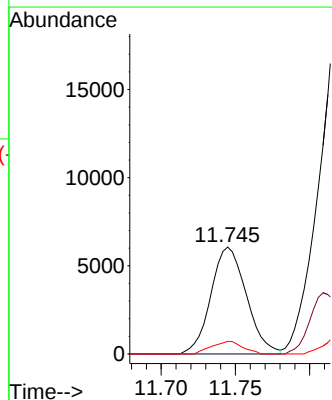
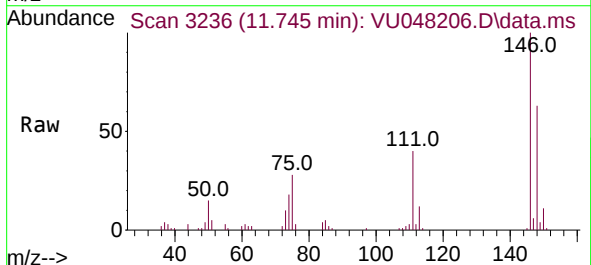
Instrument :
MSVOA_V
ClientSampleId :
C0HZ6

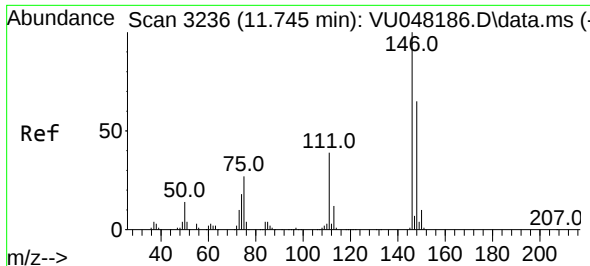
Tgt Ion:112 Resp: 822857
Ion Ratio Lower Upper
112 100
114 31.7 22.1 41.1
77 56.7 43.4 65.0



#60
1,2,3-Trichloropropane
Concen: 3.176 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.923 min
Lab File: VU048206.D
Acq: 22 Apr 2022 05:58

Tgt Ion: 75 Resp: 10080
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#
110 10.2 31.4 47.2#

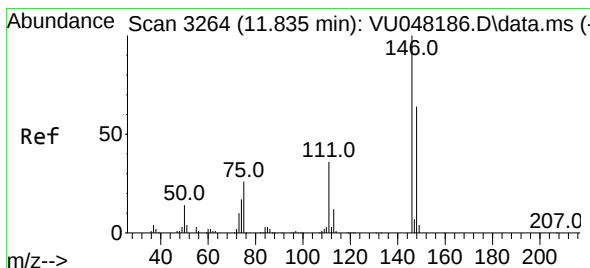
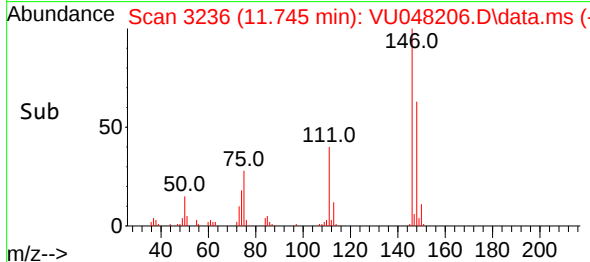
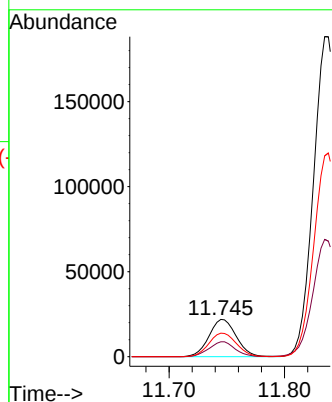
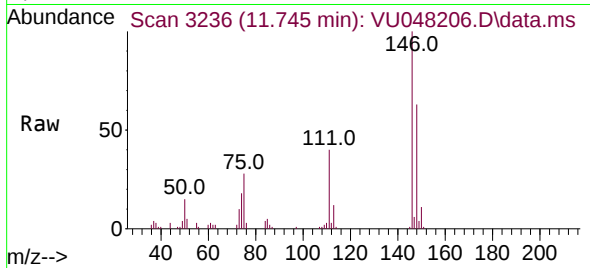




#64
1,3-Dichlorobenzene
Concen: 7.131 ug/L
RT: 11.745 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU048206.D
Acq: 22 Apr 2022 05:58

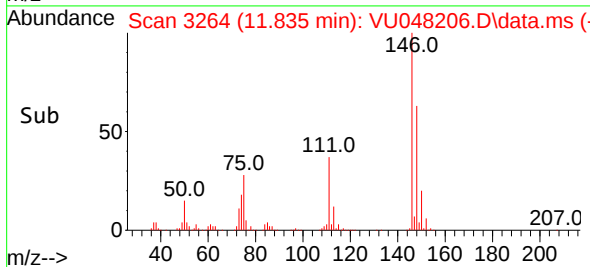
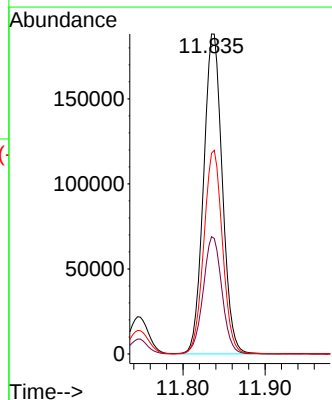
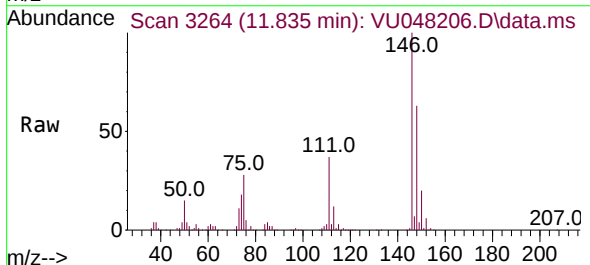
Instrument :
MSVOA_V
ClientSampleId :
C0HZ6

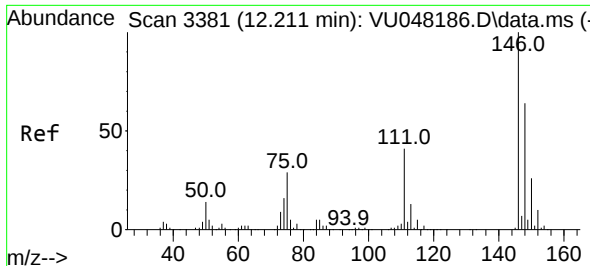
Tgt Ion:146 Resp: 36068
Ion Ratio Lower Upper
146 100
111 40.1 26.7 49.7
148 63.0 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 57.086 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU048206.D
Acq: 22 Apr 2022 05:58

Tgt Ion:146 Resp: 299081
Ion Ratio Lower Upper
146 100
111 36.7 25.3 47.1
148 62.8 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 73.780 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU048206.D

Acq: 22 Apr 2022 05:58

Instrument :

MSVOA_V

ClientSampleId :

C0HZ6

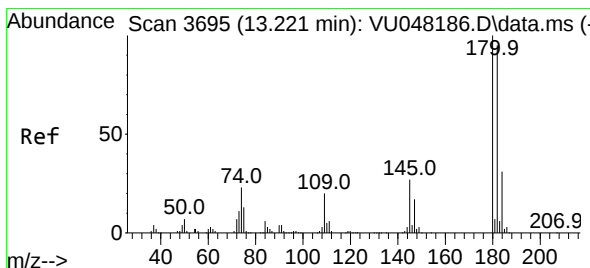
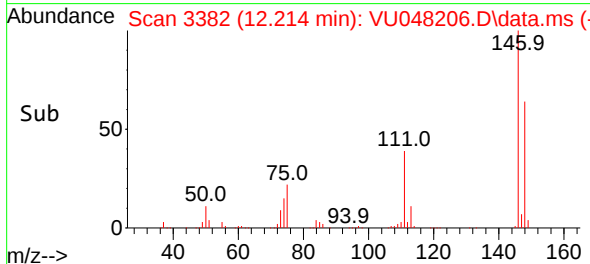
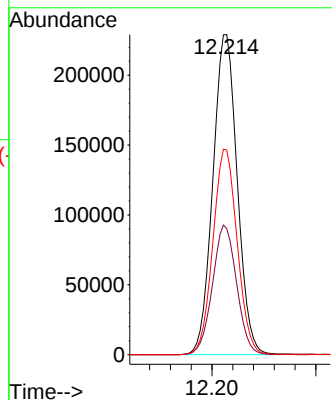
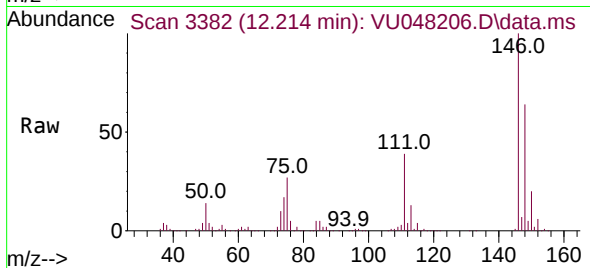
Tgt Ion:146 Resp: 373408

Ion Ratio Lower Upper

146 100

111 39.4 31.7 47.5

148 63.9 51.4 77.2



#69

1,3,5-Trichlorobenzene

Concen: 27.997 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.621 min

Lab File: VU048206.D

Acq: 22 Apr 2022 05:58

Tgt Ion:180 Resp: 115009

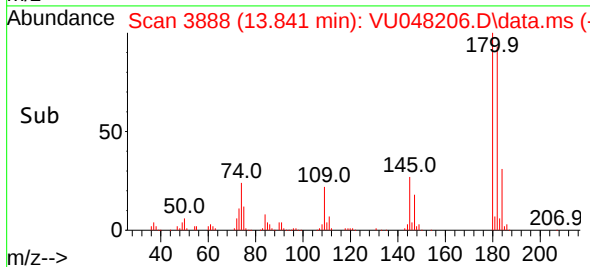
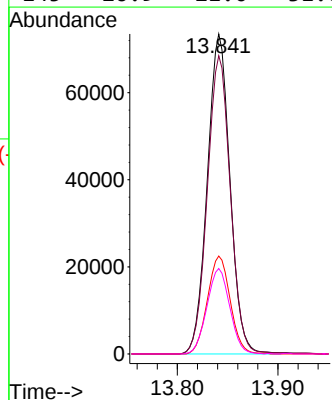
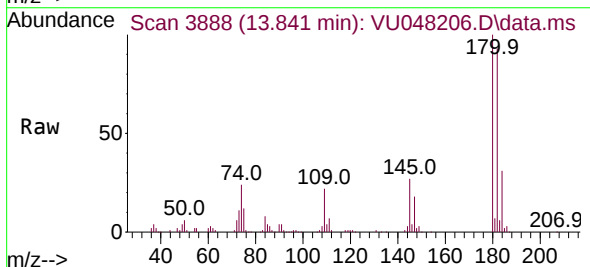
Ion Ratio Lower Upper

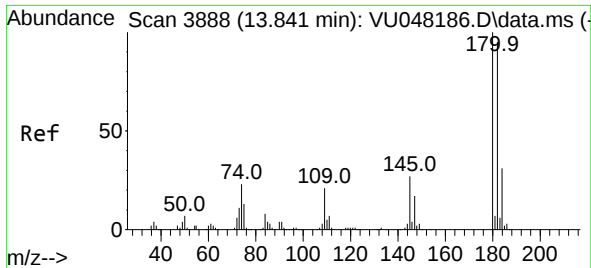
180 100

182 94.6 77.0 115.6

184 30.8 24.5 36.7

145 26.9 21.0 31.6

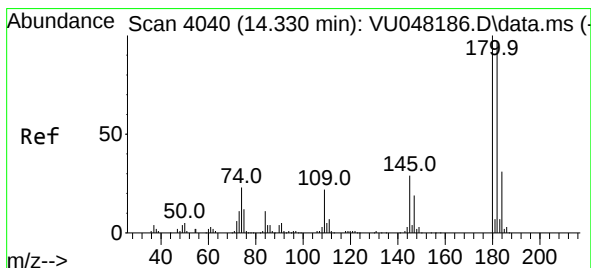
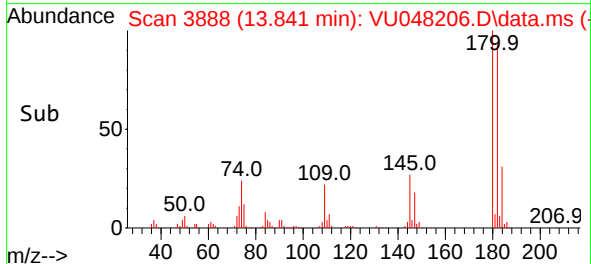
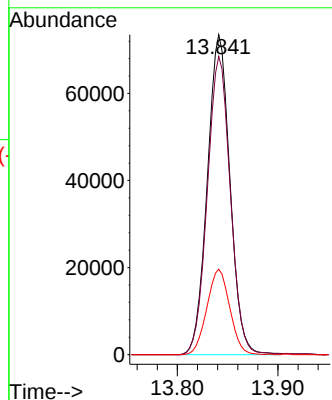
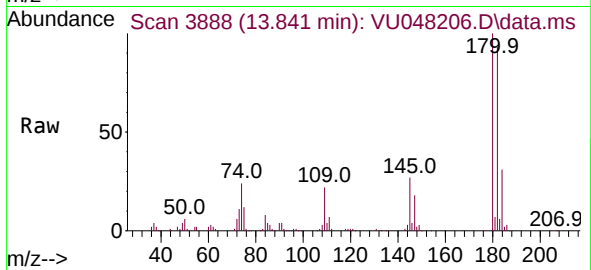




#70
1,2,4-trichlorobenzene
Concen: 31.964 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU048206.D
Acq: 22 Apr 2022 05:58

Instrument :
MSVOA_V
ClientSampleId :
COHZ6

Tgt Ion:180 Resp: 115009
Ion Ratio Lower Upper
180 100
182 94.6 76.2 114.2
145 26.9 21.8 32.8



#72
1,2,3-Trichlorobenzene
Concen: 10.699 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048206.D
Acq: 22 Apr 2022 05:58

Tgt Ion:180 Resp: 38593
Ion Ratio Lower Upper
180 100
182 96.9 77.4 116.0
145 28.4 22.8 34.2

