

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041322\
 Data File : VU048031.D
 Acq On : 14 Apr 2022 02:13
 Operator : SY/MD
 Sample : N2387-02 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

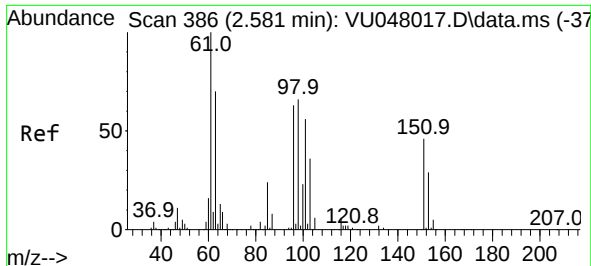
Instrument :
 MSVOA_U
 ClientSampleId :
 C0J48

Quant Time: Apr 14 07:19:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 14 06:53:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	335559	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	349434	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	188497	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	100233	41.191	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.380%
7) Chloroethane-d5	1.916	69	92499	48.209	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.420%
11) 1,1-Dichloroethene-d2	2.568	63	140179	31.487	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.980%
21) 2-Butanone-d5	4.620	46	191687	91.778	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.780%
24) Chloroform-d	5.067	84	207019	46.496	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.703	65	134883	49.394	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.780%
32) Benzene-d6	5.729	84	414255	47.113	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.220%
36) 1,2-Dichloropropane-d6	6.694	67	138000	51.105	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.200%
41) Toluene-d8	7.899	98	367421	42.889	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.780%
43) trans-1,3-Dichloroprop...	8.179	79	53533	39.131	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.260%
47) 2-Hexanone-d5	8.632	63	137293	86.852	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.850%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	214925	46.378	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.760%
66) 1,2-Dichlorobenzene-d4	12.195	152	169147	50.438	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.880%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	1352	0.547	ug/L #	18
12) 1,1-Dichloroethene	2.575	96	1183	0.514	ug/L #	1
27) 1,2-Dichloroethane	5.774	62	10749	3.018	ug/L #	75
33) Benzene	5.777	78	1356740	134.139	ug/L	100
37) 1,2-Dichloropropane	6.694	63	13948	5.425	ug/L #	87
39) cis-1,3-Dichloropropene	7.565	75	3153	0.790	ug/L #	71
51) Chlorobenzene	9.449	112	1647286	218.606	ug/L	98
60) 1,2,3-Trichloropropane	11.745	75	9513	2.677	ug/L #	47
64) 1,3-Dichlorobenzene	11.745	146	35019	6.185	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	635581	108.368	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	447724	79.024	ug/L	99
69) 1,3,5-Trichlorobenzene	13.841	180	46440	10.099	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	46440	11.529	ug/L	99

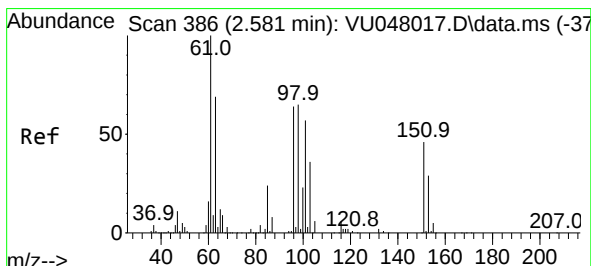
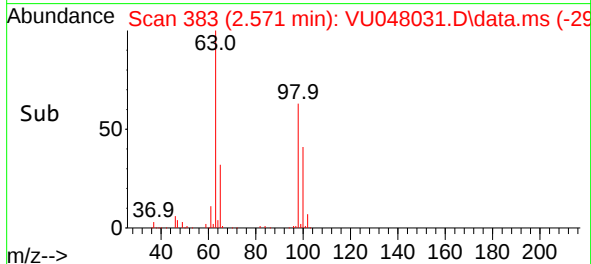
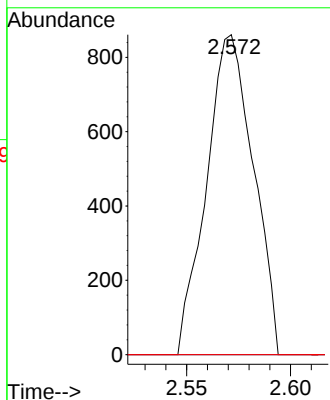
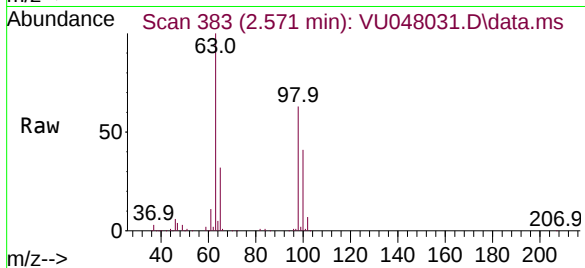
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.547 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.010 min
 Lab File: VU048031.D
 Acq: 14 Apr 2022 02:13

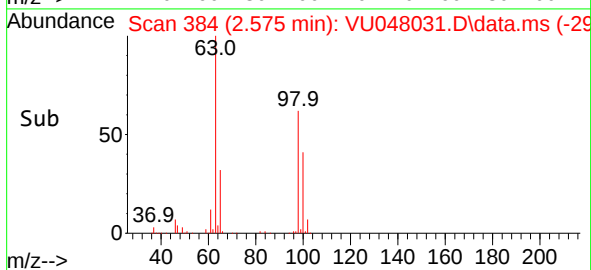
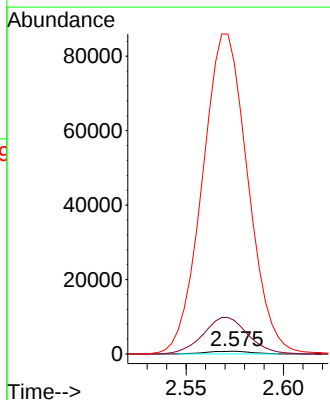
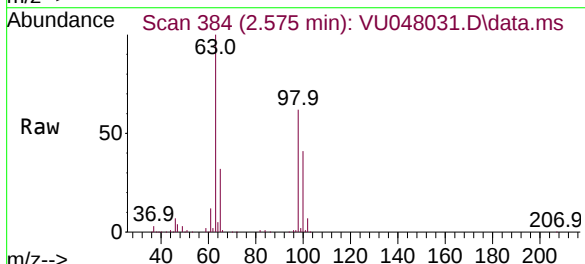
Instrument :
 MSVOA_U
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 C0J48

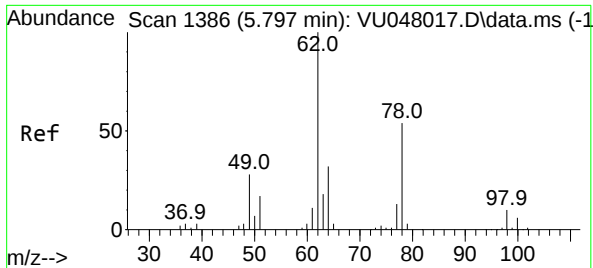
Tgt Ion:101 Resp: 1352
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#



#12
 1,1-Dichloroethene
 Concen: 0.514 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.007 min
 Lab File: VU048031.D
 Acq: 14 Apr 2022 02:13

Tgt Ion: 96 Resp: 1183
 Ion Ratio Lower Upper
 96 100
 61 1248.8 113.1 210.1#
 63 10849.9 94.8 176.0#





#27

1,2-Dichloroethane

Concen: 3.018 ug/L

RT: 5.774 min Scan# 11

Delta R.T. -0.023 min

Lab File: VU048031.D

Acq: 14 Apr 2022 02:13

Instrument :

MSVOA_U

ClientSampleId :

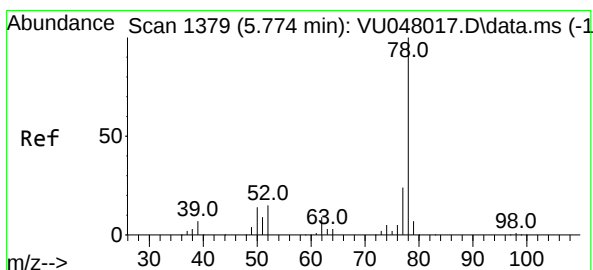
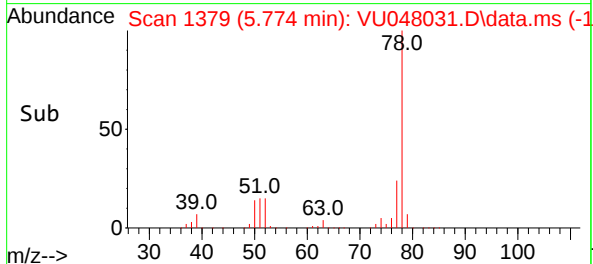
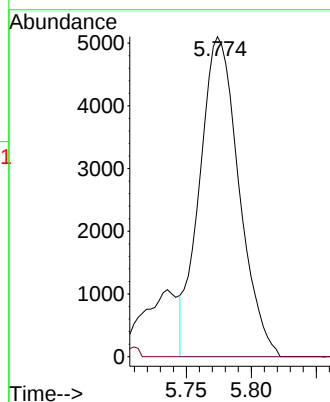
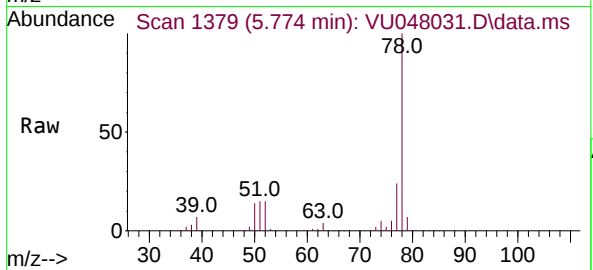
C0J48

Tgt Ion: 62 Resp: 10749

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#33

Benzene

Concen: 134.139 ug/L

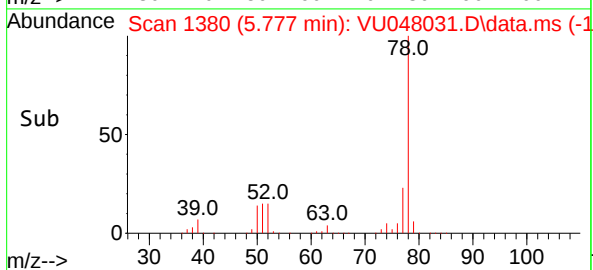
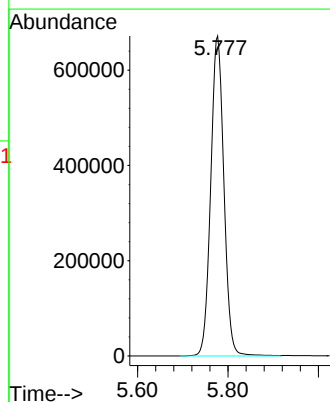
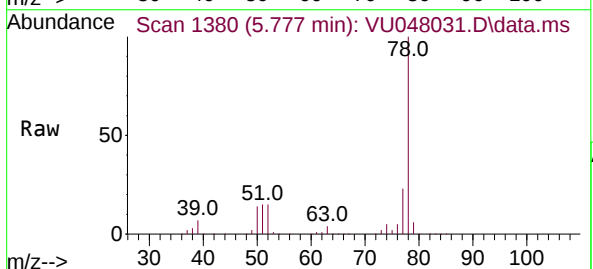
RT: 5.777 min Scan# 1380

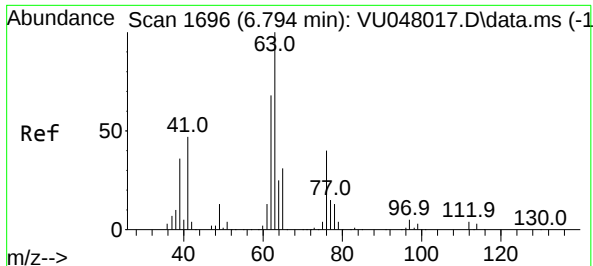
Delta R.T. 0.003 min

Lab File: VU048031.D

Acq: 14 Apr 2022 02:13

Tgt Ion: 78 Resp: 1356740





#37

1,2-Dichloropropane

Concen: 5.425 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU048031.D

Acq: 14 Apr 2022 02:13

Instrument :

MSVOA_U

ClientSampleId :

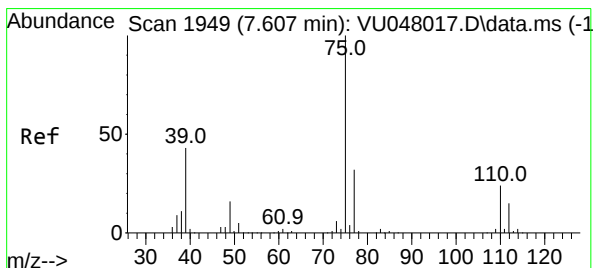
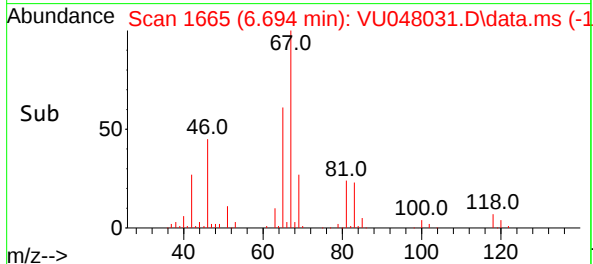
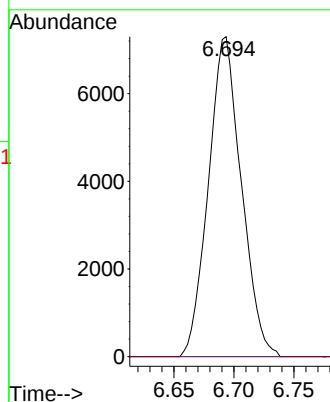
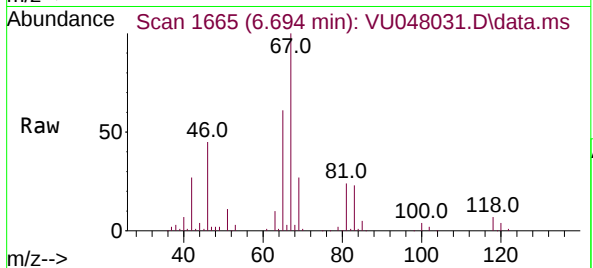
C0J48

Tgt Ion: 63 Resp: 13948

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.790 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.042 min

Lab File: VU048031.D

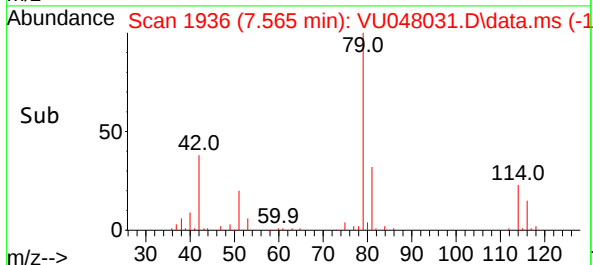
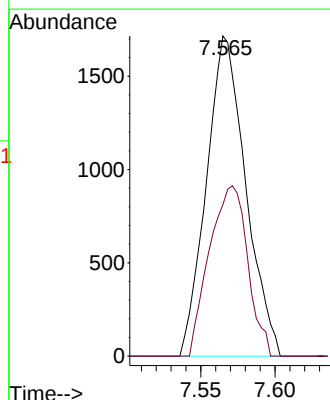
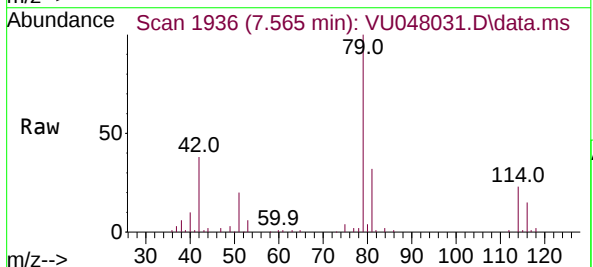
Acq: 14 Apr 2022 02:13

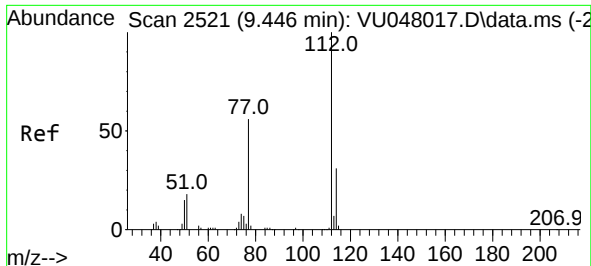
Tgt Ion: 75 Resp: 3153

Ion Ratio Lower Upper

75 100

77 47.3 21.8 40.6#

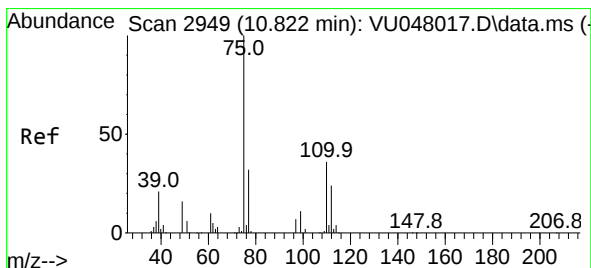
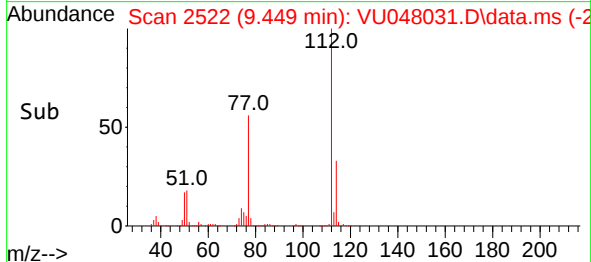
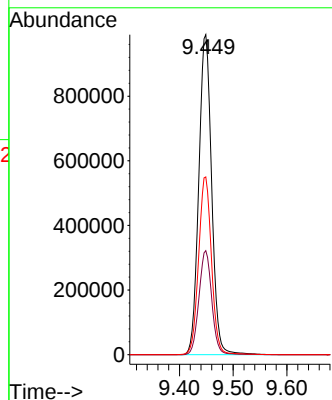
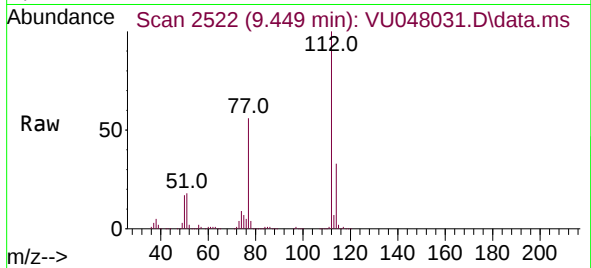




#51
Chlorobenzene
Concen: 218.606 ug/L
RT: 9.449 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048031.D
Acq: 14 Apr 2022 02:13

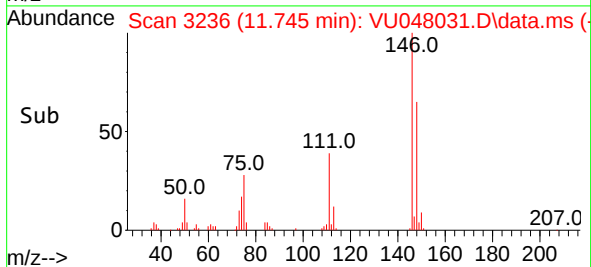
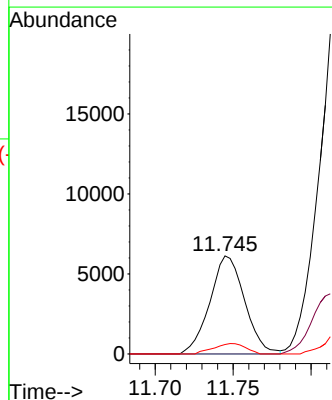
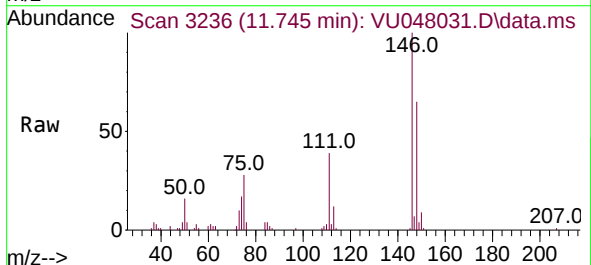
Instrument :
MSVOA_U
ClientSampleId :
C0J48

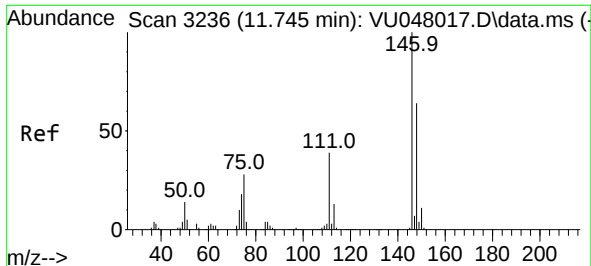
Tgt Ion:112 Resp: 1647286
Ion Ratio Lower Upper
112 100
114 32.5 22.1 41.1
77 55.6 43.4 65.0



#60
1,2,3-Trichloropropane
Concen: 2.677 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.922 min
Lab File: VU048031.D
Acq: 14 Apr 2022 02:13

Tgt Ion: 75 Resp: 9513
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#
110 9.8 31.4 47.2#

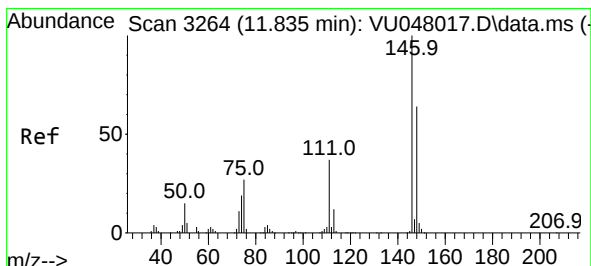
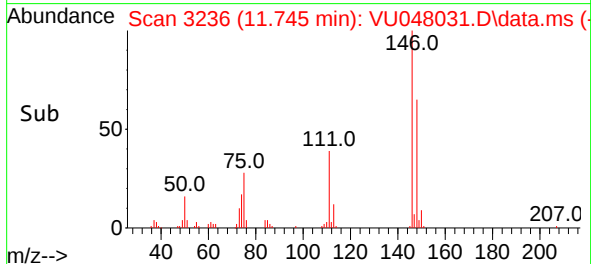
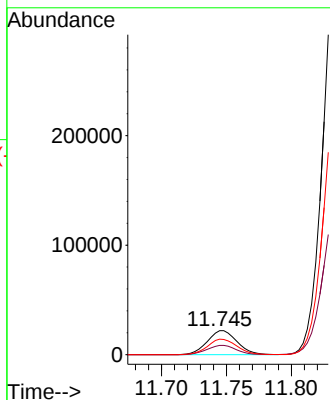
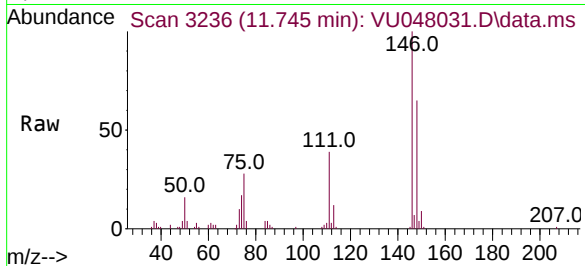




#64
1,3-Dichlorobenzene
Concen: 6.185 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU048031.D
Acq: 14 Apr 2022 02:13

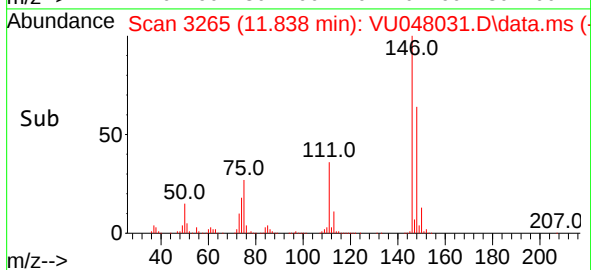
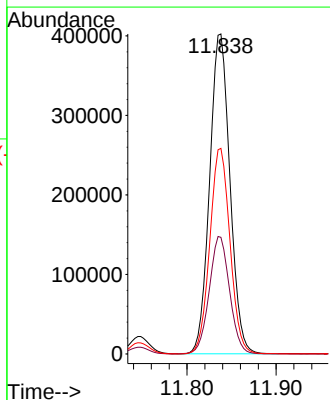
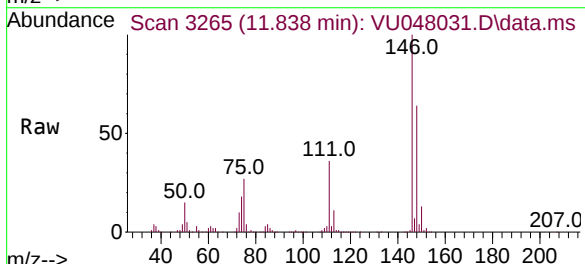
Instrument :
MSVOA_U
ClientSampleId :
C0J48

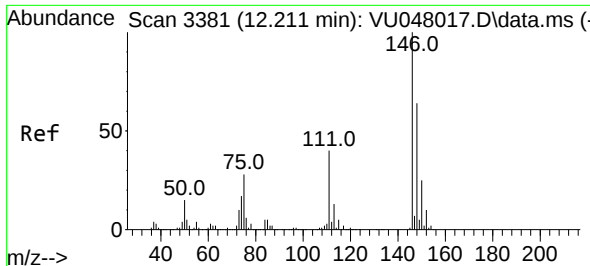
Tgt Ion:146 Resp: 35019
Ion Ratio Lower Upper
146 100
111 38.7 26.7 49.7
148 64.6 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 108.368 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU048031.D
Acq: 14 Apr 2022 02:13

Tgt Ion:146 Resp: 635581
Ion Ratio Lower Upper
146 100
111 36.5 25.3 47.1
148 64.3 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 79.024 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU048031.D

Acq: 14 Apr 2022 02:13

Instrument :

MSVOA_U

ClientSampleId :

C0J48

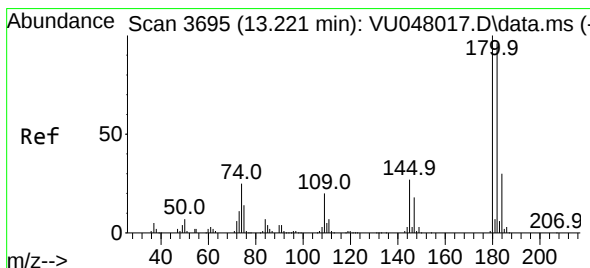
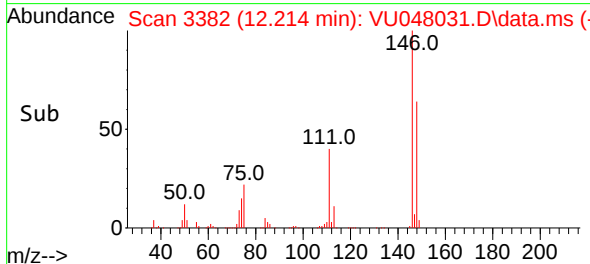
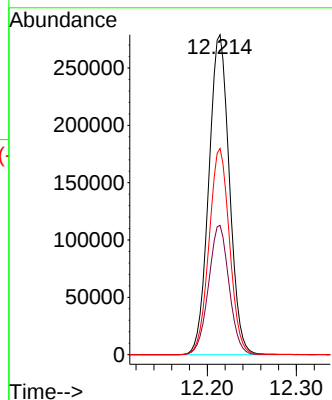
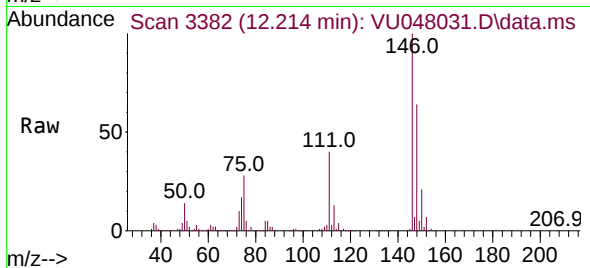
Tgt Ion:146 Resp: 447724

Ion Ratio Lower Upper

146 100

111 40.4 31.7 47.5

148 64.4 51.4 77.2



#69

1,3,5-Trichlorobenzene

Concen: 10.099 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.620 min

Lab File: VU048031.D

Acq: 14 Apr 2022 02:13

Tgt Ion:180 Resp: 46440

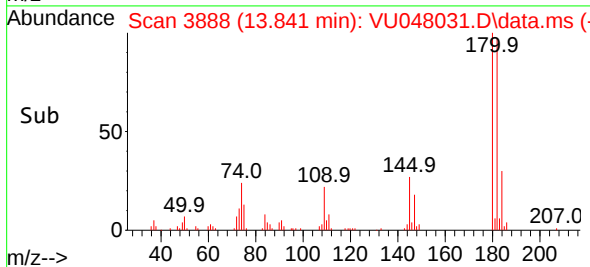
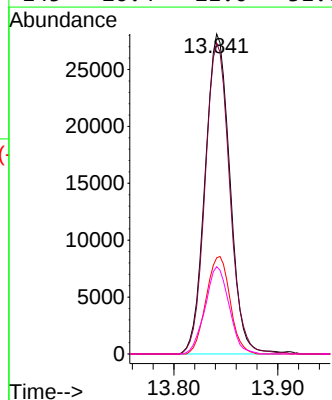
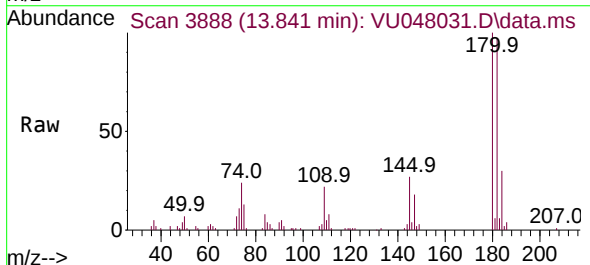
Ion Ratio Lower Upper

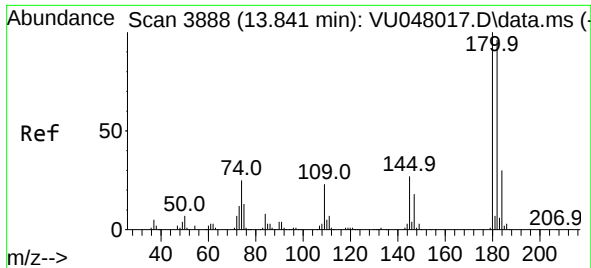
180 100

182 96.3 77.0 115.6

184 29.4 24.5 36.7

145 26.4 21.0 31.6





#70

1,2,4-trichlorobenzene

Concen: 11.529 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU048031.D

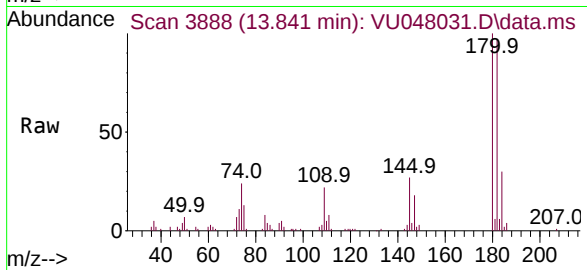
Acq: 14 Apr 2022 02:13

Instrument :

MSVOA_U

ClientSampleId :

C0J48



Tgt Ion:180 Resp: 46440

Ion Ratio Lower Upper

180 100

182 96.3 76.2 114.2

145 26.4 21.8 32.8

