

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042222\
 Data File : VU048222.D
 Acq On : 22 Apr 2022 14:10
 Operator : SY/MD
 Sample : N2485-14DL 200X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 22 22:01:50 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)

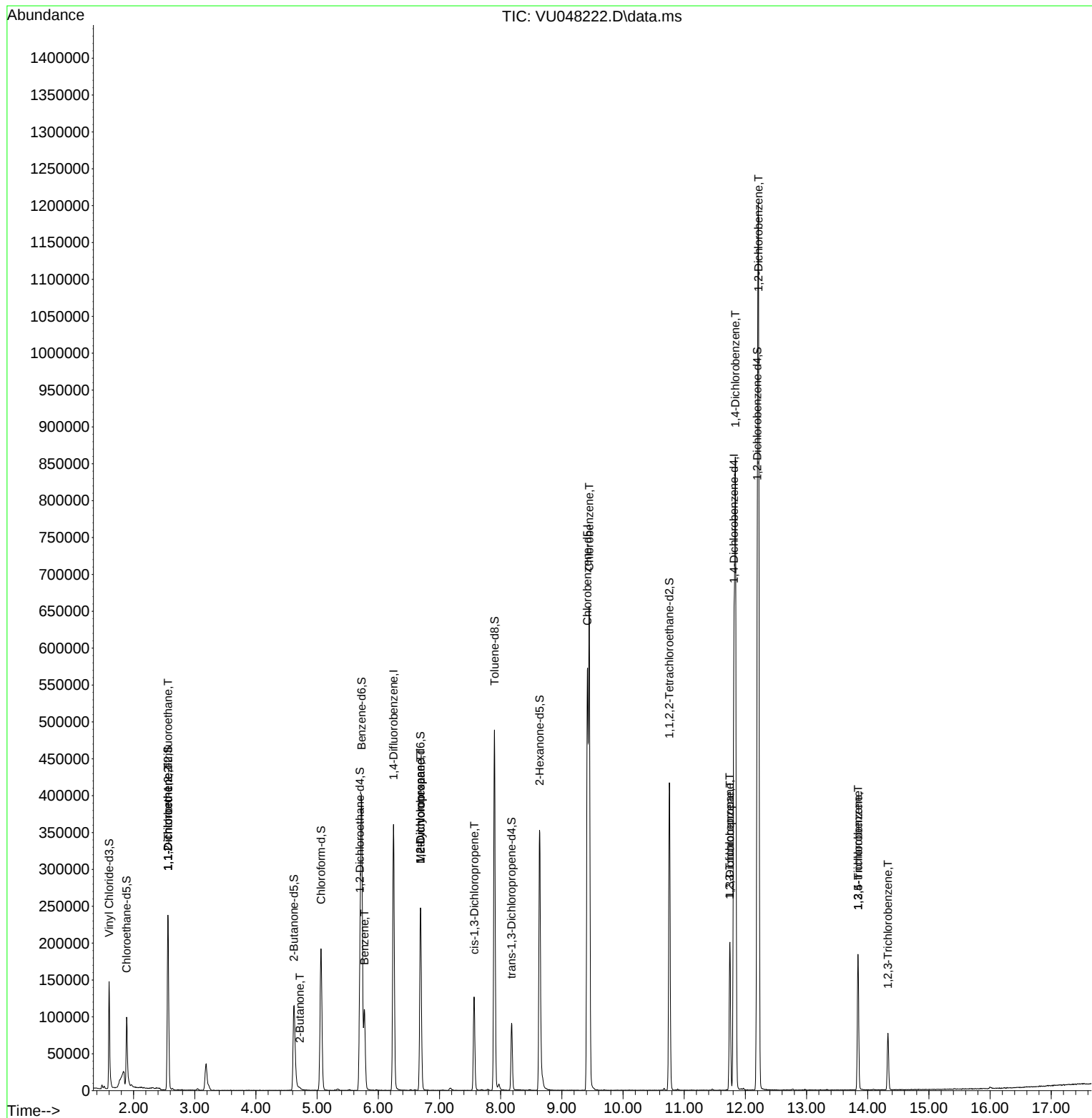
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	304489	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	324023	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	166776	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	114648	51.923	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.840%
7) Chloroethane-d5	1.887	69	83654	48.048	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.100%
11) 1,1-Dichloroethene-d2	2.562	63	137939	34.145	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.280%
21) 2-Butanone-d5	4.620	46	170190	89.800	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.800%
24) Chloroform-d	5.063	84	181060	44.815	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.640%
26) 1,2-Dichloroethane-d4	5.700	65	114555	46.231	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.460%
32) Benzene-d6	5.726	84	382871	46.959	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.920%
36) 1,2-Dichloropropane-d6	6.690	67	124614	49.767	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.540%
41) Toluene-d8	7.899	98	329526	41.482	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.960%
43) trans-1,3-Dichloroprop...	8.179	79	50330	39.675	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.360%
47) 2-Hexanone-d5	8.636	63	126082	86.015	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.010%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	210246	48.926	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.860%
66) 1,2-Dichlorobenzene-d4	12.195	152	149214	50.289	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.580%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1246	0.555	ug/L #	18
12) 1,1-Dichloroethene	2.562	96	1183	0.566	ug/L #	1
22) 2-Butanone	4.716	43	2353	1.036	ug/L	81
33) Benzene	5.774	78	104447	11.136	ug/L	100
35) Methylcyclohexane	6.690	83	27666	7.396	ug/L #	21
37) 1,2-Dichloropropane	6.690	63	11982	5.025	ug/L #	87
39) cis-1,3-Dichloropropene	7.568	75	2816	0.761	ug/L #	59
51) Chlorobenzene	9.449	112	360914	51.652	ug/L	97
60) 1,2,3-Trichloropropane	11.745	75	22964	7.304	ug/L #	49
64) 1,3-Dichlorobenzene	11.748	146	86587	17.283	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	341718	65.852	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	466702	93.102	ug/L	100
69) 1,3,5-Trichlorobenzene	13.841	180	61800	15.189	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	61800	17.341	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	26067	7.296	ug/L	99

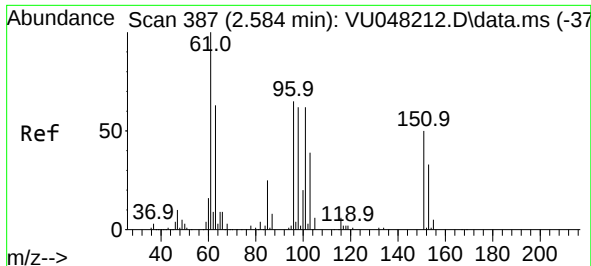
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 22 21:59:27 2022
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#10

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

Concen: 0.555 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.023 min

Lab File: VU048222.D

Acq: 22 Apr 2022 14:10

Instrument :

MSVOA_U

ClientSampleId :

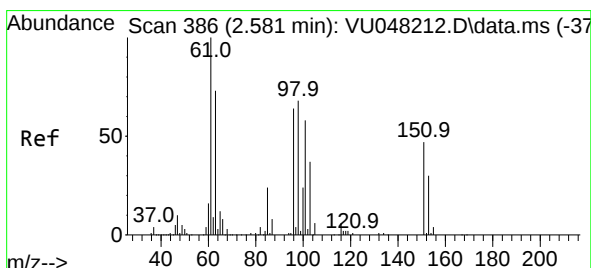
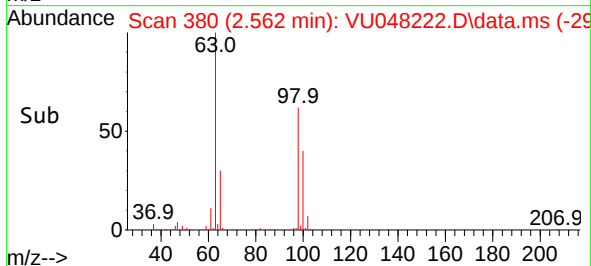
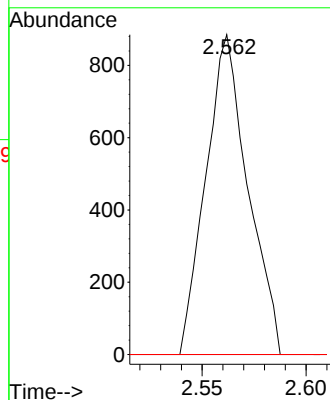
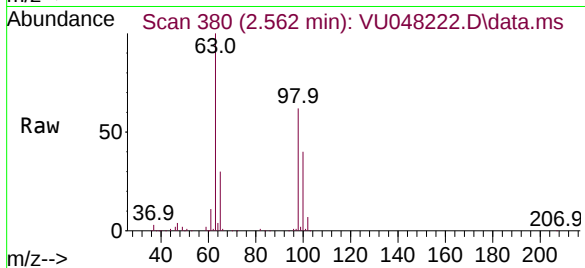
Tgt Ion:101 Resp: 1246

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: 0.566 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.019 min

Lab File: VU048222.D

Acq: 22 Apr 2022 14:10

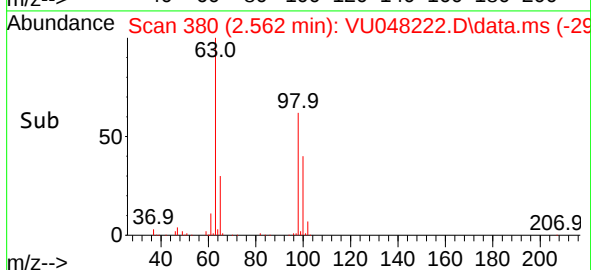
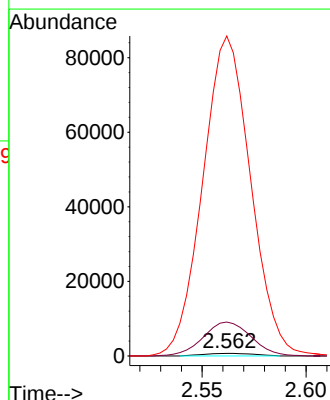
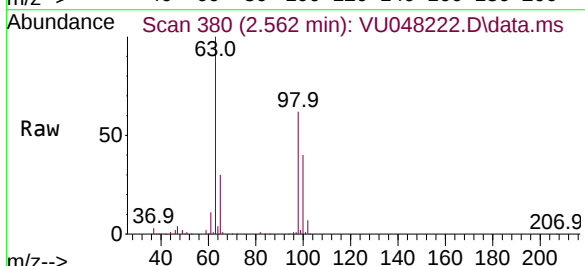
Tgt Ion: 96 Resp: 1183

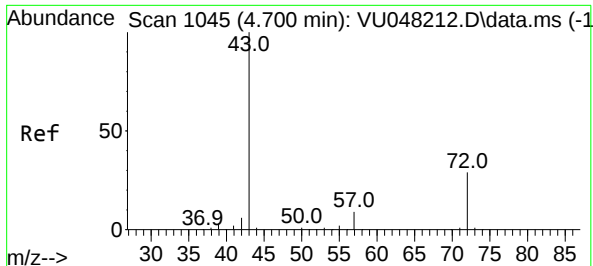
Ion Ratio Lower Upper

96 100

61 1314.4 113.1 210.1#

63 12383.3 94.8 176.0#

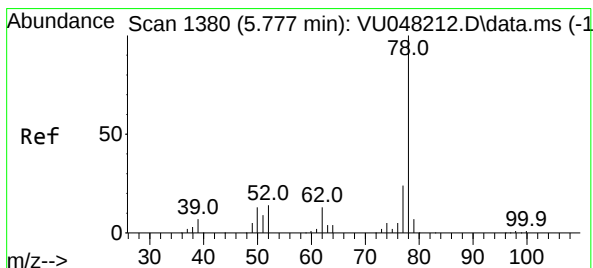
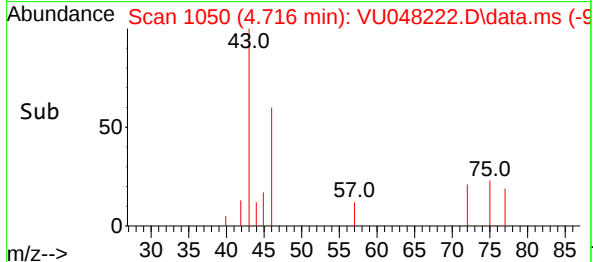
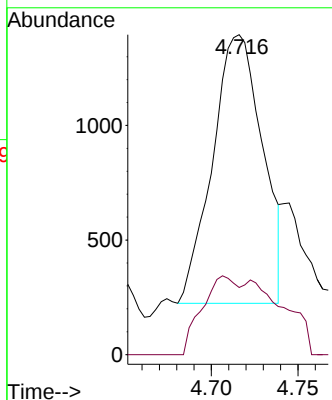
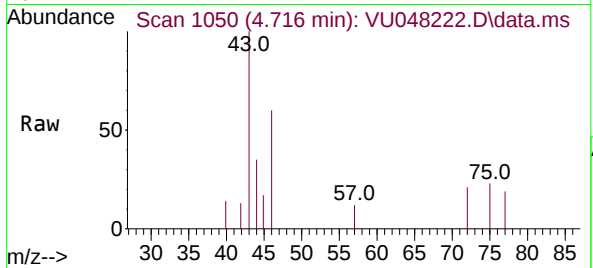




#22
2-Butanone
Concen: 1.036 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. 0.016 min
Lab File: VU048222.D
Acq: 22 Apr 2022 14:10

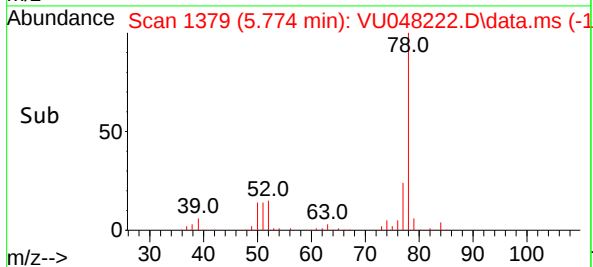
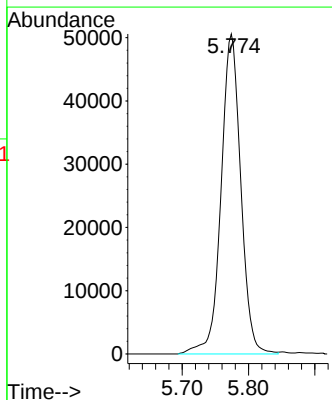
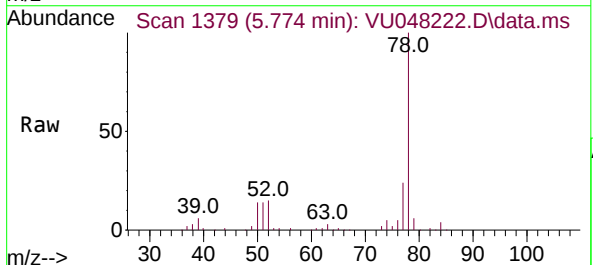
Instrument :
MSVOA_U
ClientSampleId :

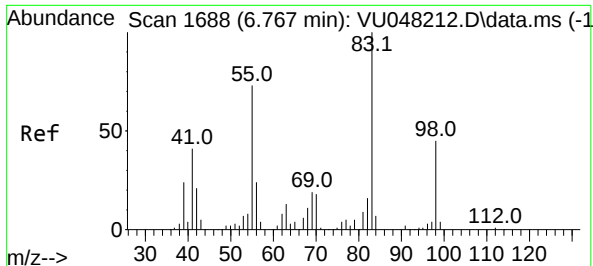
Tgt Ion: 43 Resp: 2353
Ion Ratio Lower Upper
43 100
72 21.1 16.0 47.9



#33
Benzene
Concen: 11.136 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VU048222.D
Acq: 22 Apr 2022 14:10

Tgt Ion: 78 Resp: 104447

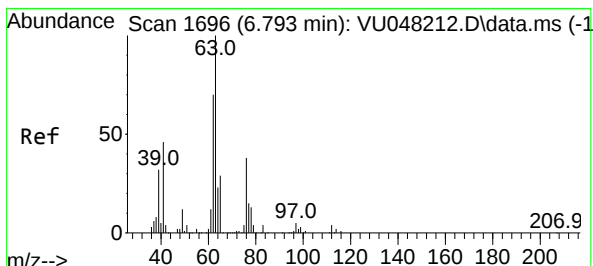
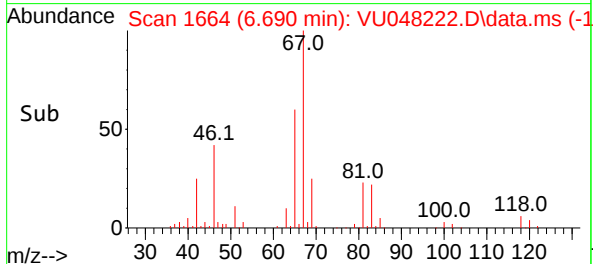
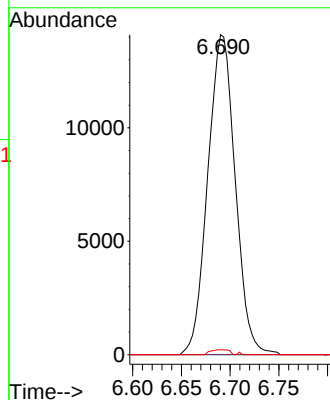
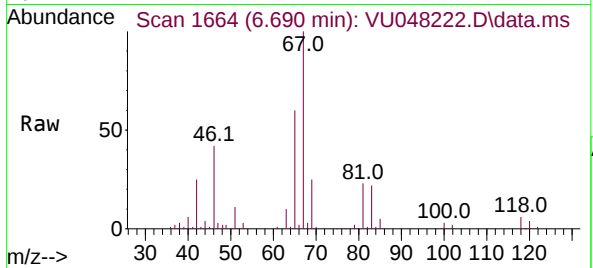




#35
Methylcyclohexane
Concen: 7.396 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU048222.D
Acq: 22 Apr 2022 14:10

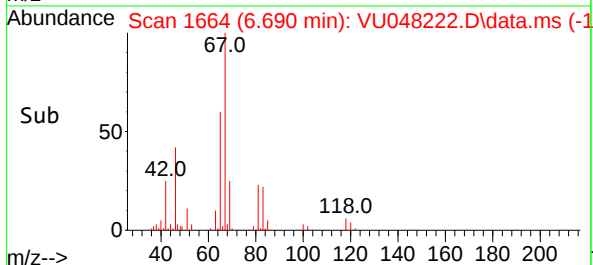
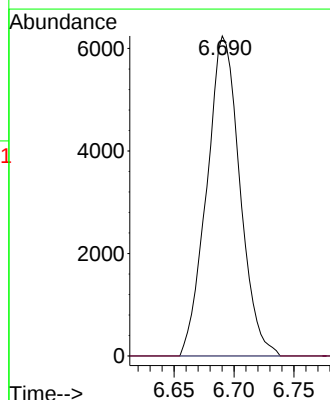
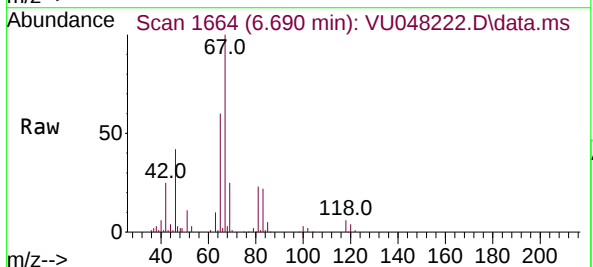
Instrument :
MSVOA_U
ClientSampleId :

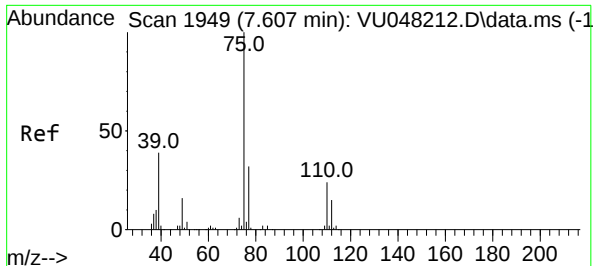
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	56.8	85.2#
98	0.6	38.1	57.1#



#37
1,2-Dichloropropane
Concen: 5.025 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU048222.D
Acq: 22 Apr 2022 14:10

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





#39

cis-1,3-Dichloropropene

Concen: 0.761 ug/L

RT: 7.568 min Scan# 1949

Delta R.T. -0.039 min

Lab File: VU048222.D

Acq: 22 Apr 2022 14:10

Instrument :

MSVOA_U

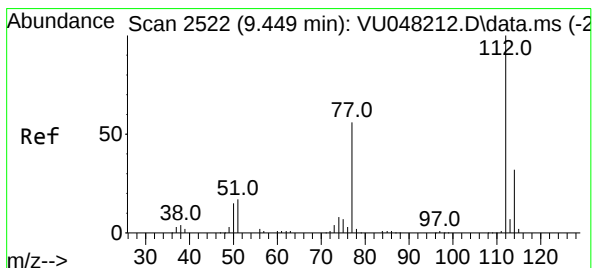
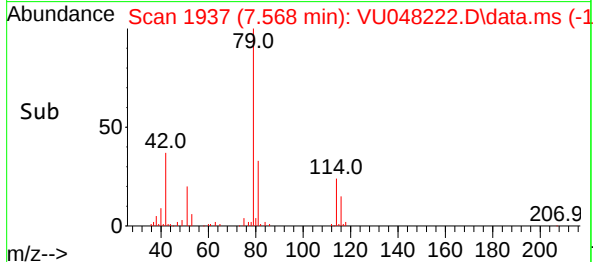
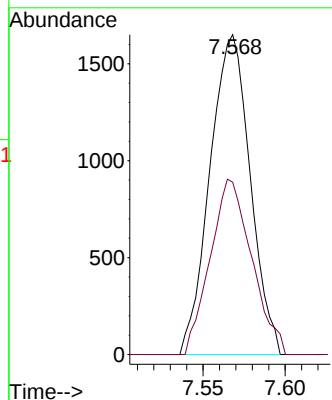
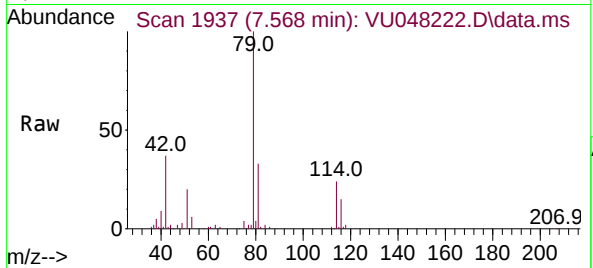
ClientSampleId :

Tgt Ion: 75 Resp: 2816

Ion Ratio Lower Upper

75 100

77 53.9 21.8 40.6#



#51

Chlorobenzene

Concen: 51.652 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU048222.D

Acq: 22 Apr 2022 14:10

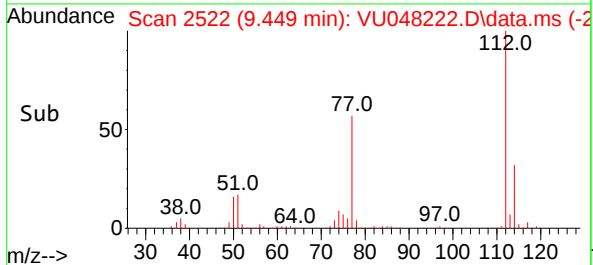
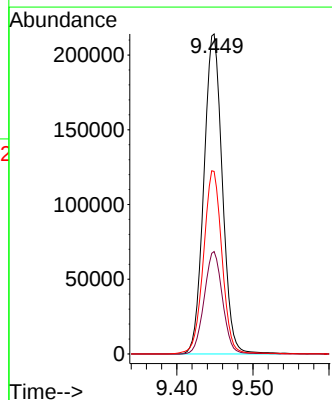
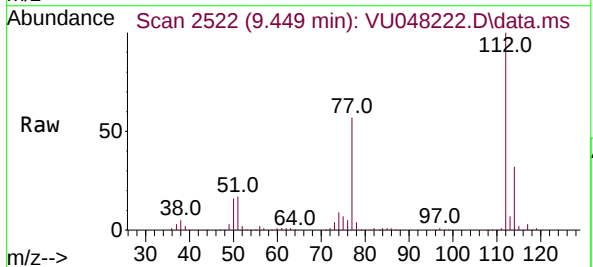
Tgt Ion: 112 Resp: 360914

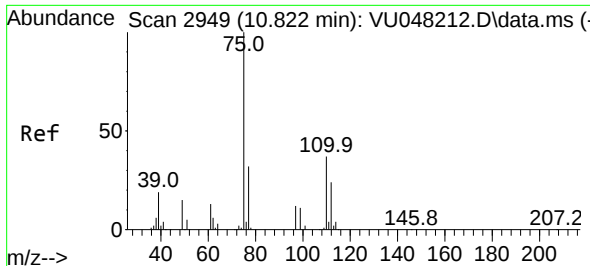
Ion Ratio Lower Upper

112 100

114 32.0 22.1 41.1

77 57.1 43.4 65.0

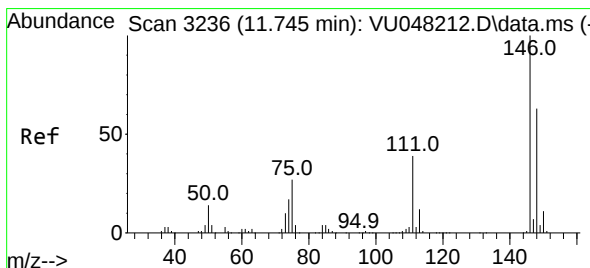
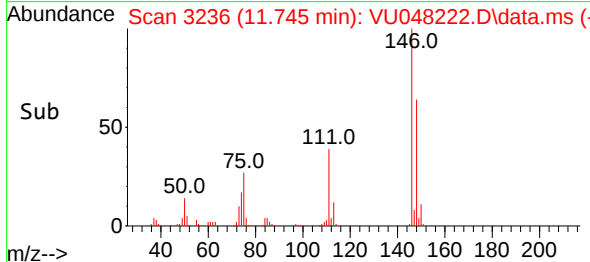
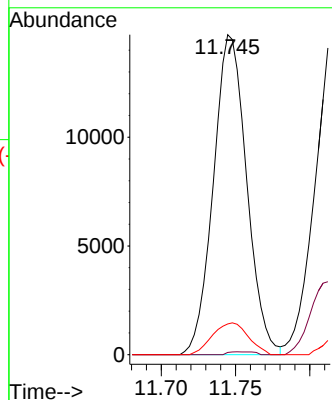
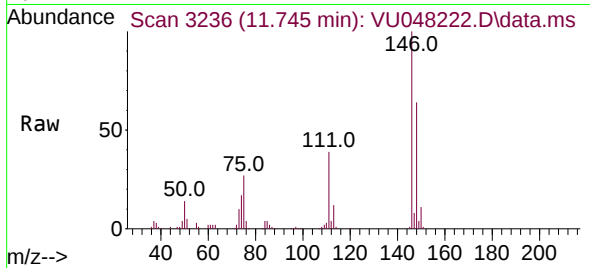




#60
1,2,3-Trichloropropane
Concen: 7.304 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.923 min
Lab File: VU048222.D
Acq: 22 Apr 2022 14:10

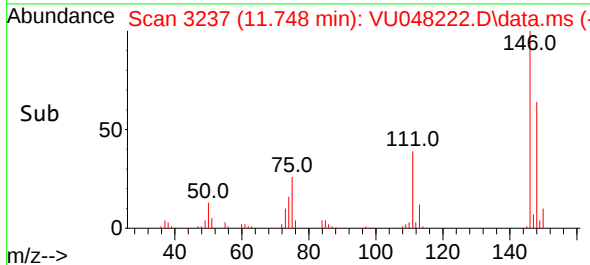
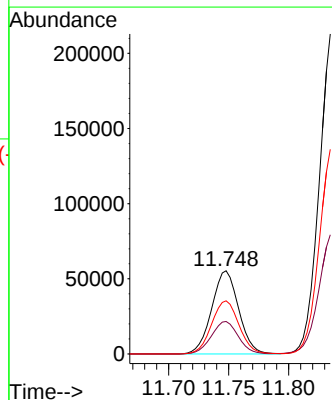
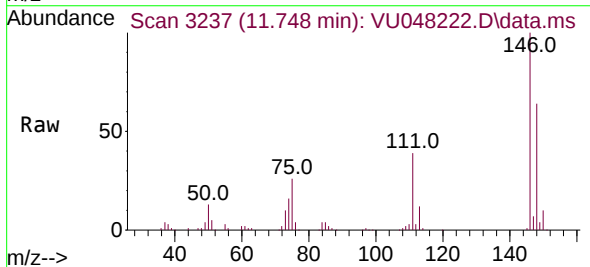
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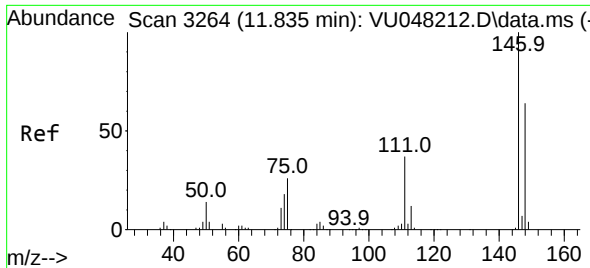
Tgt Ion: 75 Resp: 22964
Ion Ratio Lower Upper
75 100
77 0.7 26.0 39.0#
110 10.7 31.4 47.2#



#64
1,3-Dichlorobenzene
Concen: 17.283 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.003 min
Lab File: VU048222.D
Acq: 22 Apr 2022 14:10

Tgt Ion:146 Resp: 86587
Ion Ratio Lower Upper
146 100
111 39.1 26.7 49.7
148 63.8 44.4 82.5

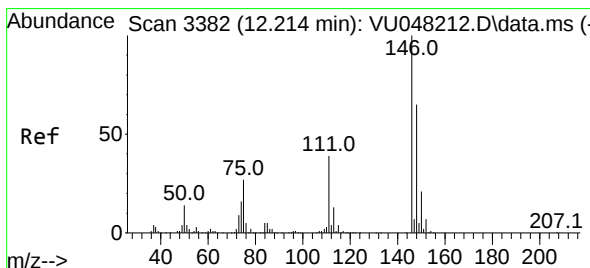
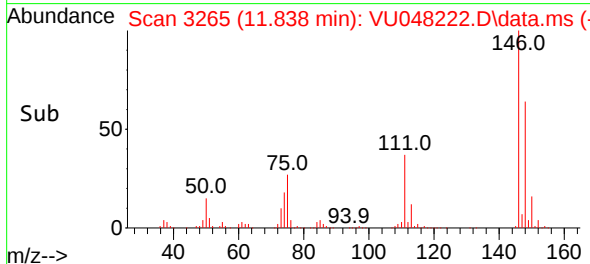
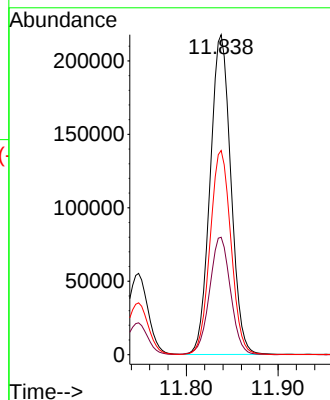
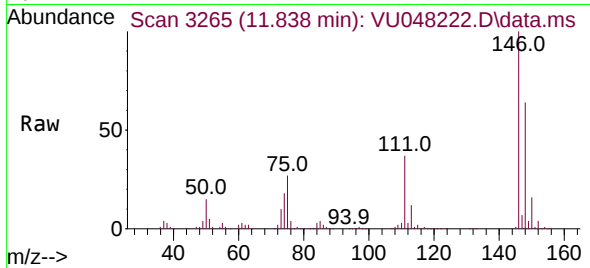




#65
1,4-Dichlorobenzene
Concen: 65.852 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU048222.D
Acq: 22 Apr 2022 14:10

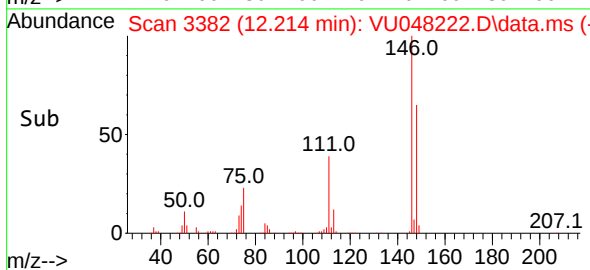
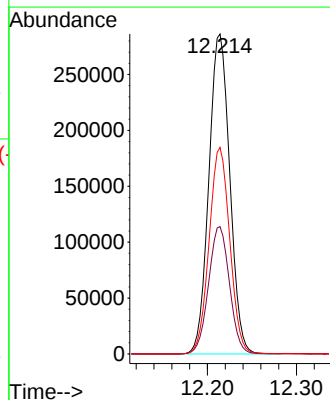
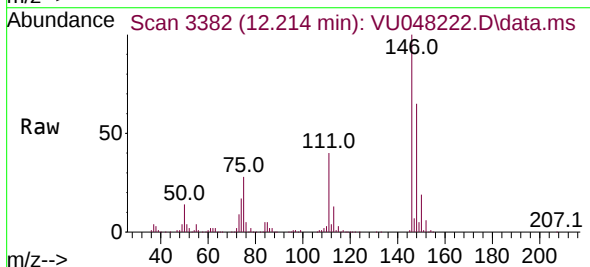
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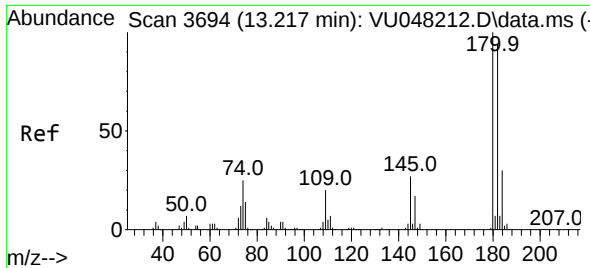
Tgt Ion:146 Resp: 341718
Ion Ratio Lower Upper
146 100
111 36.7 25.3 47.1
148 63.8 44.5 82.7



#67
1,2-Dichlorobenzene
Concen: 93.102 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. -0.000 min
Lab File: VU048222.D
Acq: 22 Apr 2022 14:10

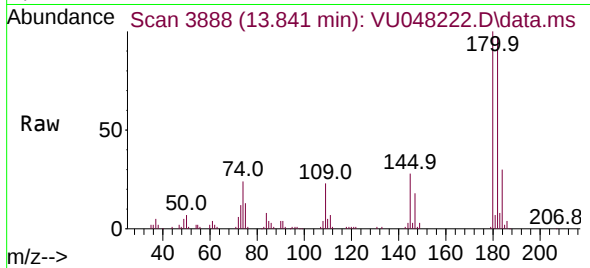
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Ion Ratio Lower Upper
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148 64.5 51.4 77.2



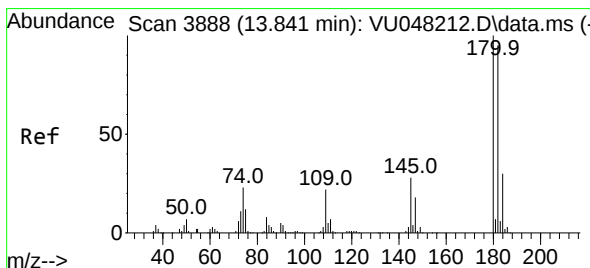
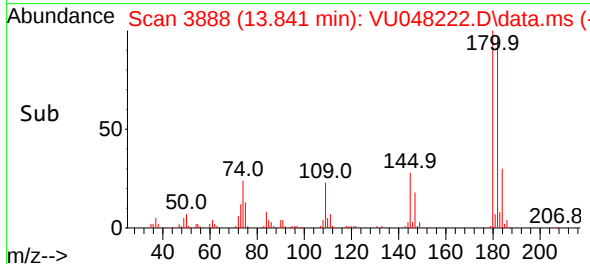
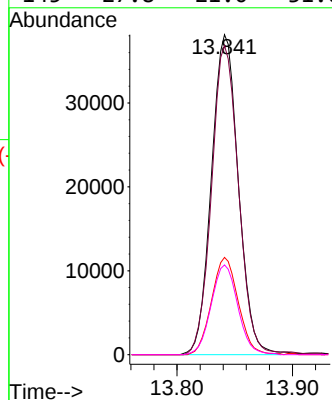


#69
 1,3,5-Trichlorobenzene
 Concen: 15.189 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.624 min
 Lab File: VU048222.D
 Acq: 22 Apr 2022 14:10

Instrument :
 MSVOA_U
 ClientSampleId :

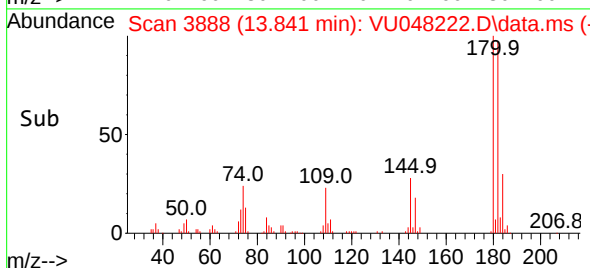
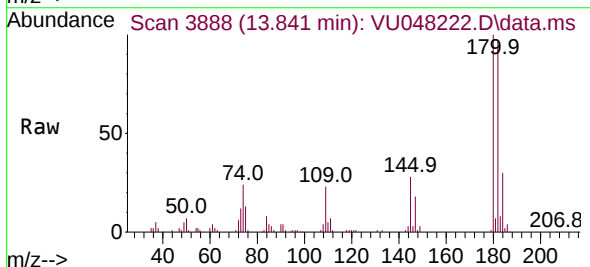
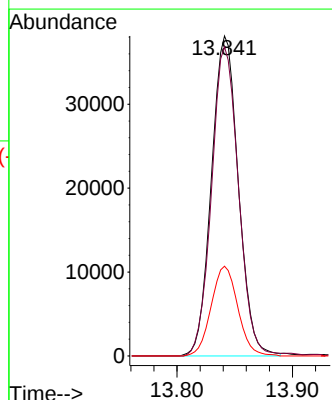


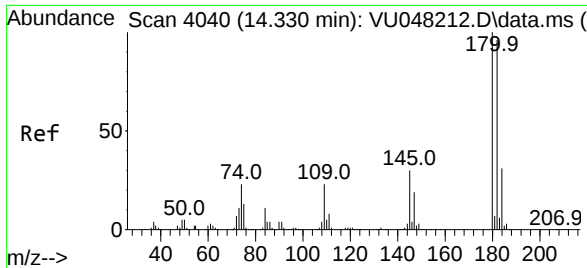
Tgt Ion:180 Resp: 61800
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.0 115.6
 184 30.2 24.5 36.7
 145 27.8 21.0 31.6



#70
 1,2,4-trichlorobenzene
 Concen: 17.341 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU048222.D
 Acq: 22 Apr 2022 14:10

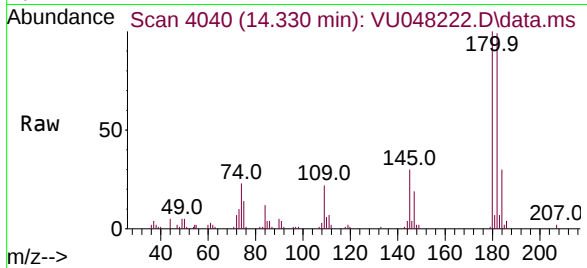
Tgt Ion:180 Resp: 61800
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.2 114.2
 145 27.8 21.8 32.8





#72
 1,2,3-Trichlorobenzene
 Concen: 7.296 ug/L
 RT: 14.330 min Scan# 40
 Delta R.T. -0.000 min
 Lab File: VU048222.D
 Acq: 22 Apr 2022 14:10

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 26067
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.4 116.0
 145 28.8 22.8 34.2

