

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042122\
 Data File : VU048205.D
 Acq On : 22 Apr 2022 05:34
 Operator : SY/MD
 Sample : N2488-04 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COHX2

Quant Time: Apr 22 06:38:50 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	343791	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	353628	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	179060	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	88171	35.367	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.740%
7) Chloroethane-d5	1.913	69	78252	39.807	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.620%
11) 1,1-Dichloroethene-d2	2.569	63	124955	27.395	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.780%#
21) 2-Butanone-d5	4.626	46	185038	86.473	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.470%
24) Chloroform-d	5.064	84	192036	42.098	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.200%
26) 1,2-Dichloroethane-d4	5.704	65	120905	43.215	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.440%
32) Benzene-d6	5.729	84	381722	42.898	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.800%
36) 1,2-Dichloropropane-d6	6.691	67	130443	47.733	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.460%
41) Toluene-d8	7.900	98	323536	37.319	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.640%#
43) trans-1,3-Dichloroprop...	8.179	79	49915	36.054	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.100%
47) 2-Hexanone-d5	8.636	63	124723	77.964	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.960%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	200223	42.693	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.380%
66) 1,2-Dichlorobenzene-d4	12.192	152	150731	47.316	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.640%

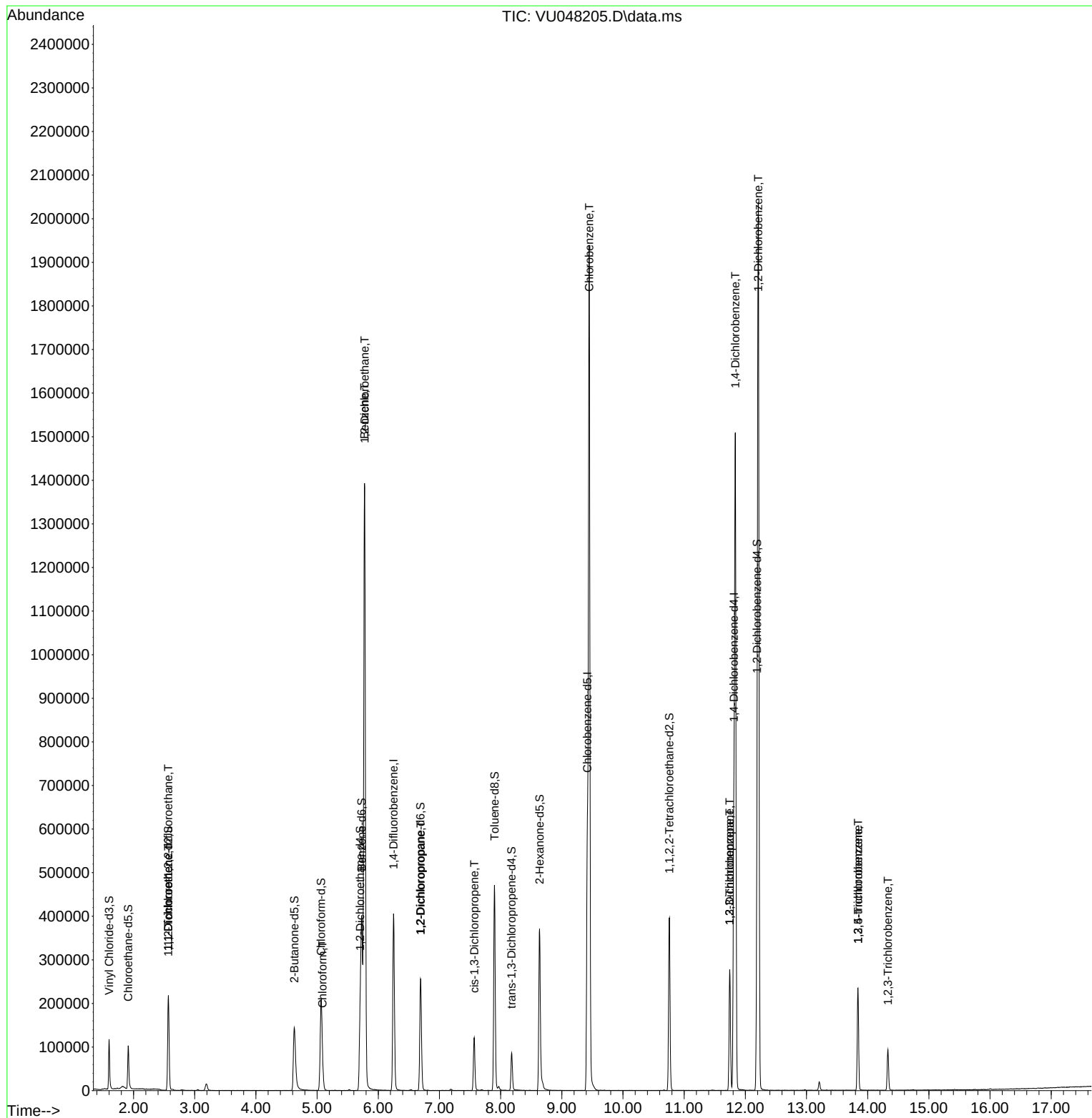
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1109	0.438	ug/L #	18
12) 1,1-Dichloroethene	2.569	96	924	0.392	ug/L #	1
25) Chloroform	5.089	83	31635	6.698	ug/L	96
27) 1,2-Dichloroethane	5.778	62	10926	2.994	ug/L #	75
33) Benzene	5.774	78	1365520	133.406	ug/L	100
37) 1,2-Dichloropropane	6.694	63	12819	4.926	ug/L #	87
39) cis-1,3-Dichloropropene	7.568	75	2566	0.636	ug/L #	40
51) Chlorobenzene	9.446	112	1081221	141.784	ug/L	98
60) 1,2,3-Trichloropropane	11.745	75	32519	9.634	ug/L #	49
64) 1,3-Dichlorobenzene	11.745	146	122201	22.719	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	622711	111.770	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	828196	153.882	ug/L	99
69) 1,3,5-Trichlorobenzene	13.842	180	79272	18.147	ug/L	100
70) 1,2,4-trichlorobenzene	13.842	180	79272	20.718	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	31989	8.340	ug/L	98

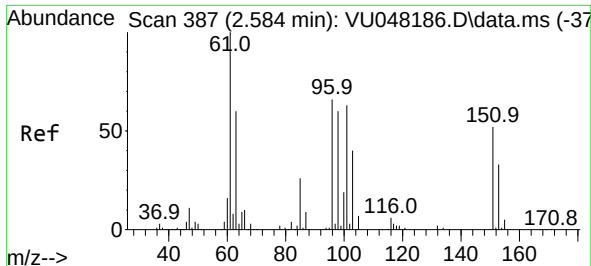
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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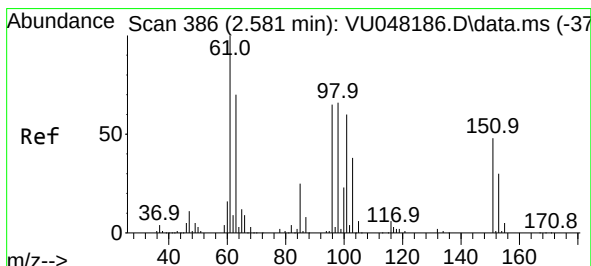
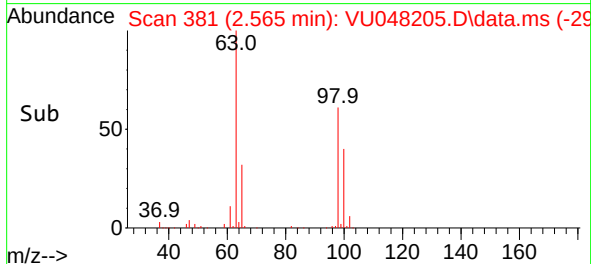
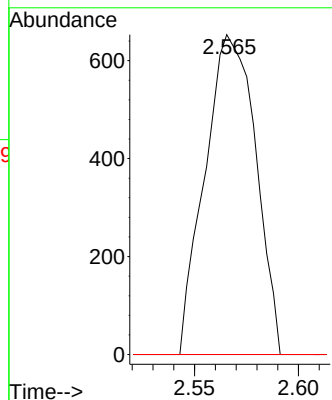
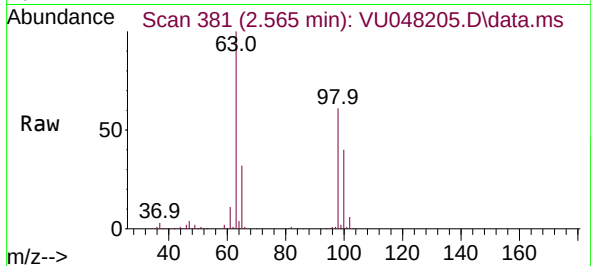




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.438 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.019 min
 Lab File: VU048205.D
 Acq: 22 Apr 2022 05:34

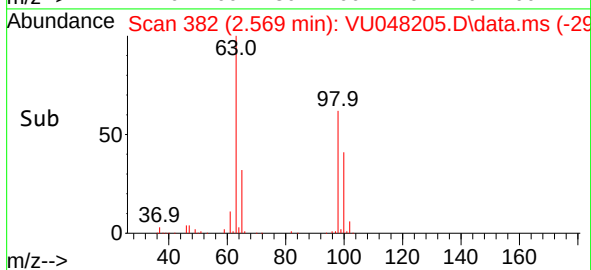
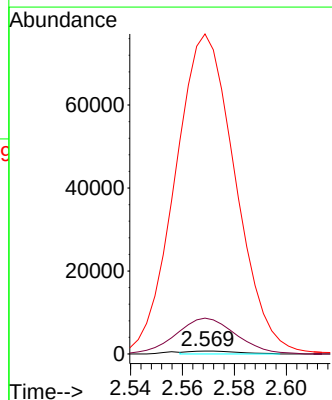
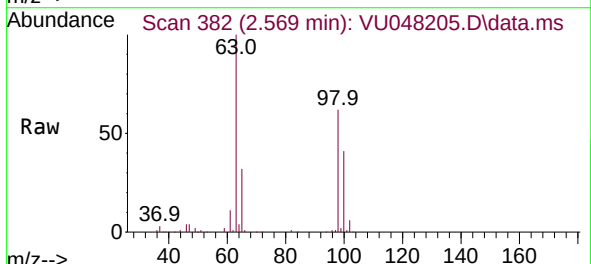
Instrument :
 MSVOA_V
 ClientSampleId :
 COHX2

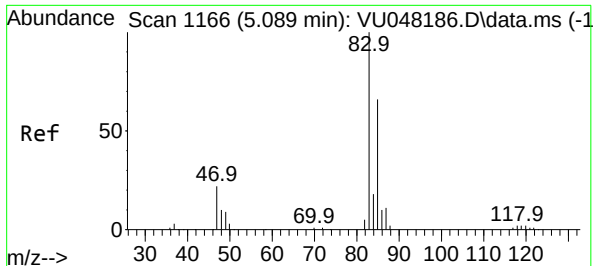
Tgt Ion:101 Resp: 1109
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#



#12
 1,1-Dichloroethene
 Concen: 0.392 ug/L
 RT: 2.569 min Scan# 382
 Delta R.T. -0.012 min
 Lab File: VU048205.D
 Acq: 22 Apr 2022 05:34

Tgt Ion: 96 Resp: 924
 Ion Ratio Lower Upper
 96 100
 61 1226.8 113.1 210.1#
 63 10941.3 94.8 176.0#





#25

Chloroform

Concen: 6.698 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU048205.D

Acq: 22 Apr 2022 05:34

Instrument :

MSVOA_V

ClientSampleId :

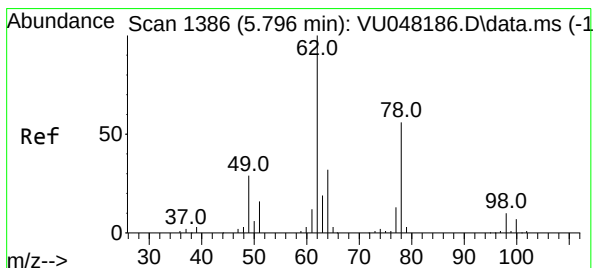
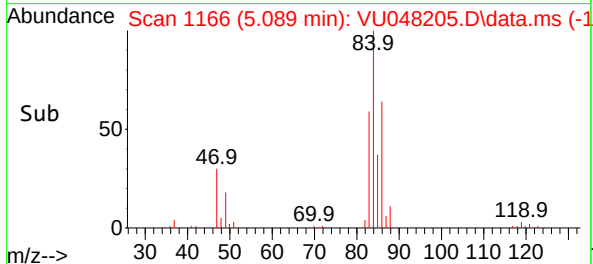
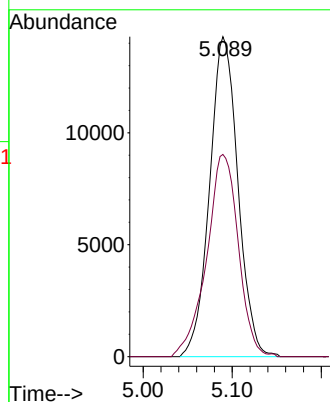
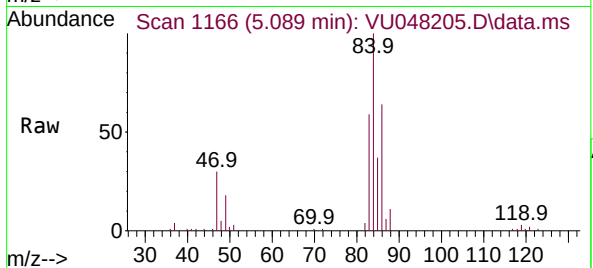
C0HX2

Tgt Ion: 83 Resp: 31635

Ion Ratio Lower Upper

83 100

85 63.2 46.2 85.8



#27

1,2-Dichloroethane

Concen: 2.994 ug/L

RT: 5.778 min Scan# 1380

Delta R.T. -0.019 min

Lab File: VU048205.D

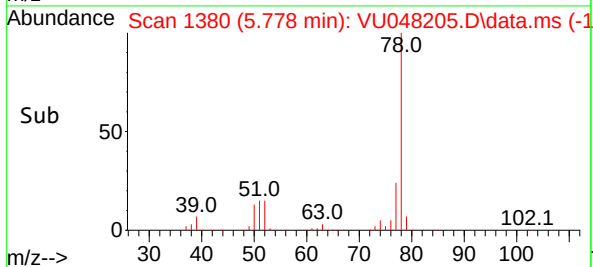
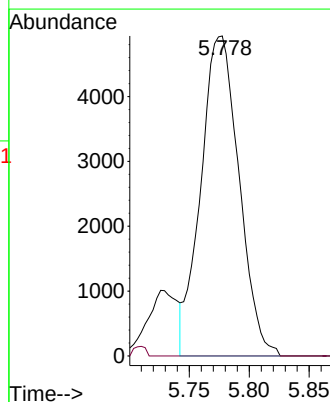
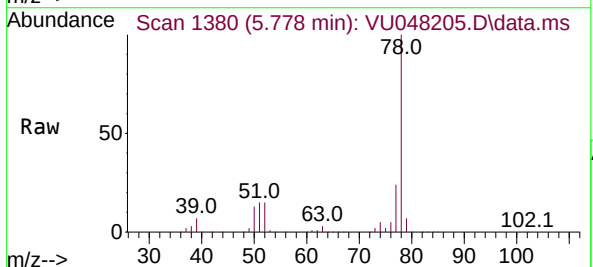
Acq: 22 Apr 2022 05:34

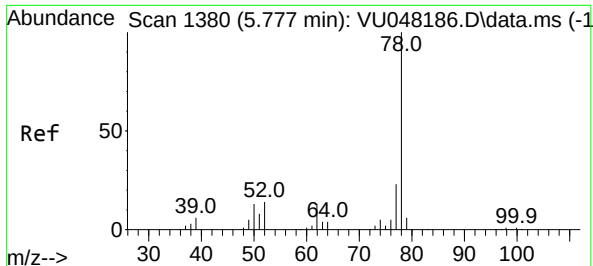
Tgt Ion: 62 Resp: 10926

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#

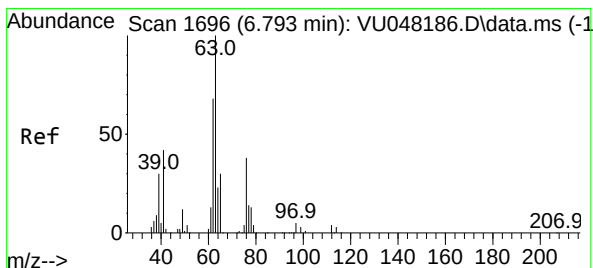
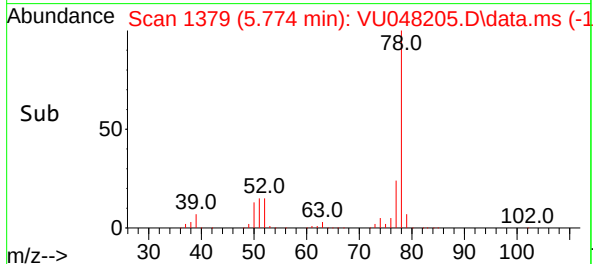
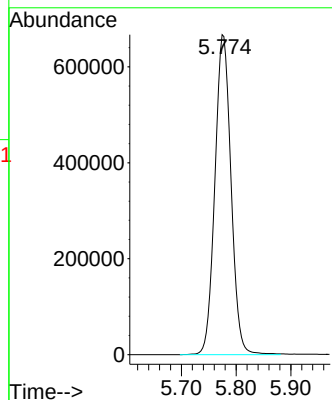
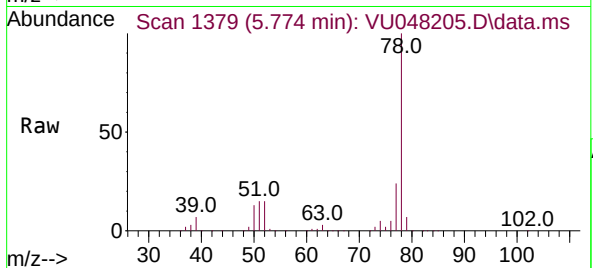




#33
Benzene
Concen: 133.406 ug/L
RT: 5.774 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU048205.D
Acq: 22 Apr 2022 05:34

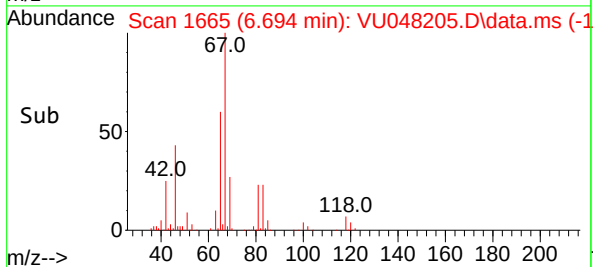
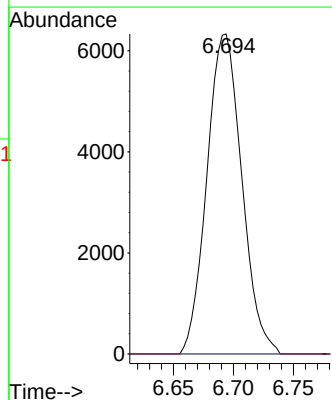
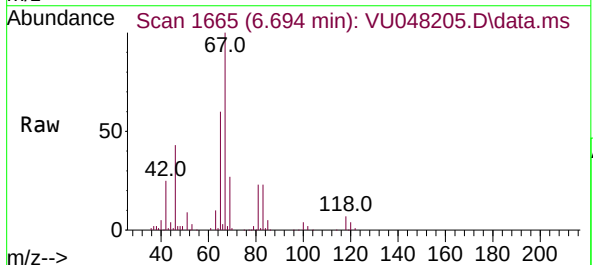
Instrument :
MSVOA_V
ClientSampleId :
C0HX2

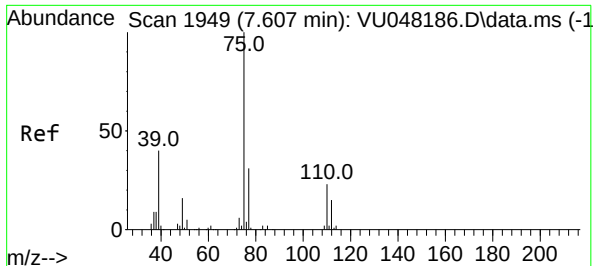
Tgt Ion: 78 Resp: 1365520



#37
1,2-Dichloropropane
Concen: 4.926 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.099 min
Lab File: VU048205.D
Acq: 22 Apr 2022 05:34

Tgt Ion: 63 Resp: 12819
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.636 ug/L

RT: 7.568 min Scan# 1949

Delta R.T. -0.038 min

Lab File: VU048205.D

Acq: 22 Apr 2022 05:34

Instrument :

MSVOA_V

ClientSampleId :

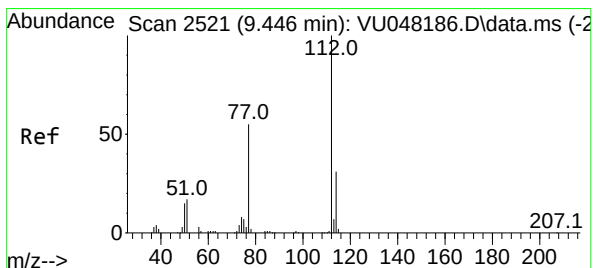
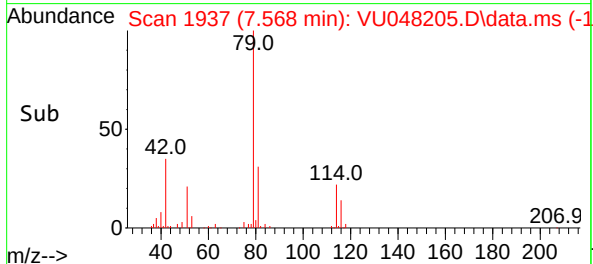
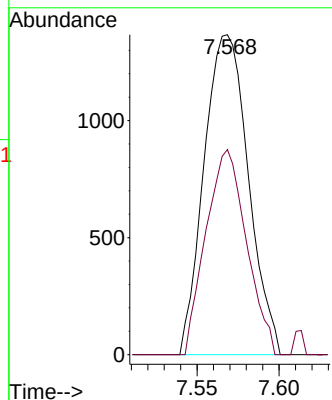
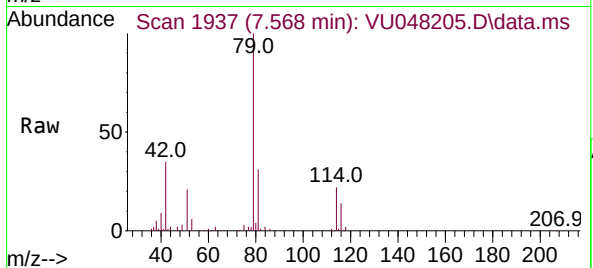
C0HX2

Tgt Ion: 75 Resp: 2566

Ion Ratio Lower Upper

75 100

77 64.1 21.8 40.6#



#51

Chlorobenzene

Concen: 141.784 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU048205.D

Acq: 22 Apr 2022 05:34

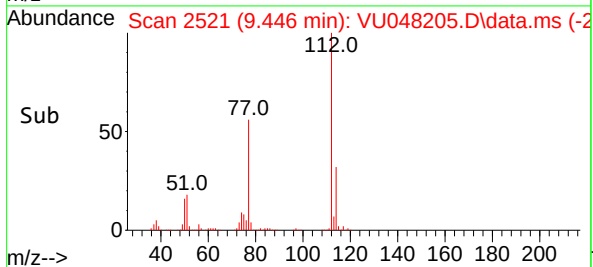
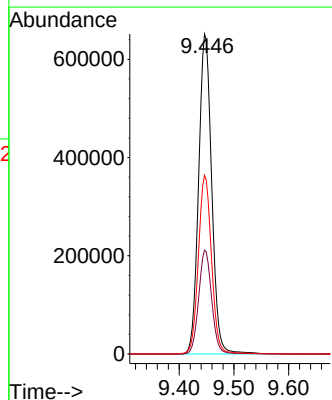
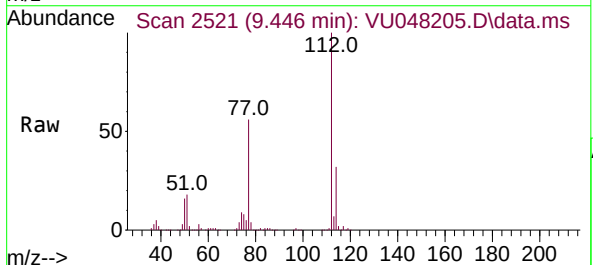
Tgt Ion: 112 Resp: 1081221

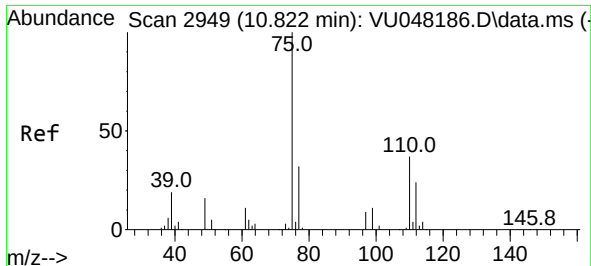
Ion Ratio Lower Upper

112 100

114 32.5 22.1 41.1

77 55.8 43.4 65.0

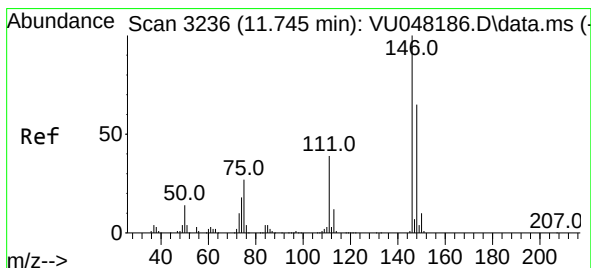
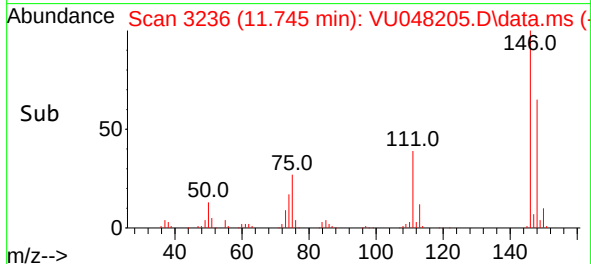
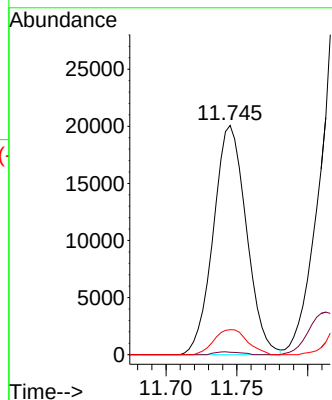
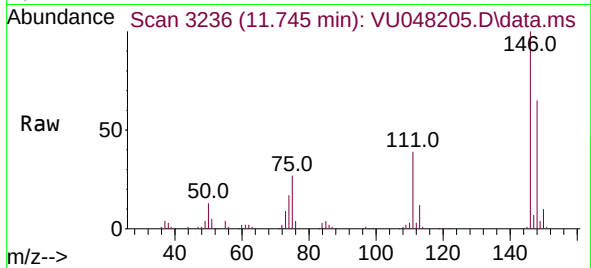




#60
1,2,3-Trichloropropane
Concen: 9.634 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.923 min
Lab File: VU048205.D
Acq: 22 Apr 2022 05:34

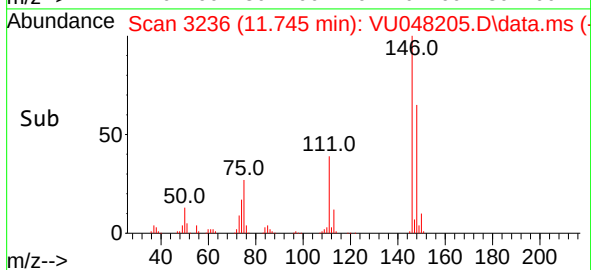
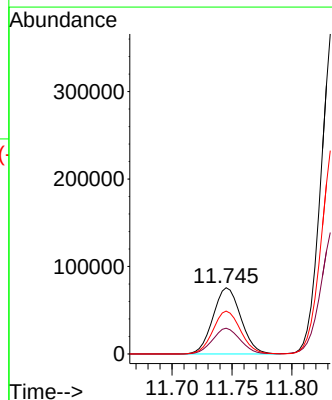
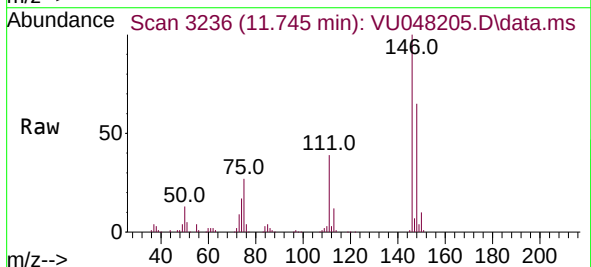
Instrument :
MSVOA_V
ClientSampleId :
COHX2

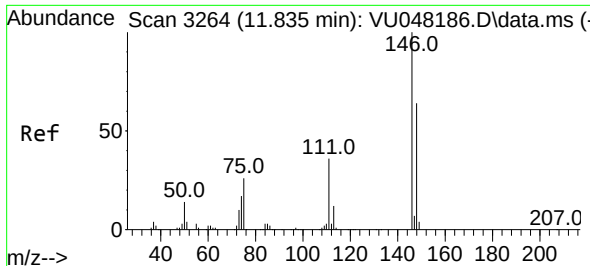
Tgt Ion: 75 Resp: 32519
Ion Ratio Lower Upper
75 100
77 1.0 26.0 39.0#
110 11.0 31.4 47.2#



#64
1,3-Dichlorobenzene
Concen: 22.719 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU048205.D
Acq: 22 Apr 2022 05:34

Tgt Ion:146 Resp: 122201
Ion Ratio Lower Upper
146 100
111 38.8 26.7 49.7
148 64.7 44.4 82.5

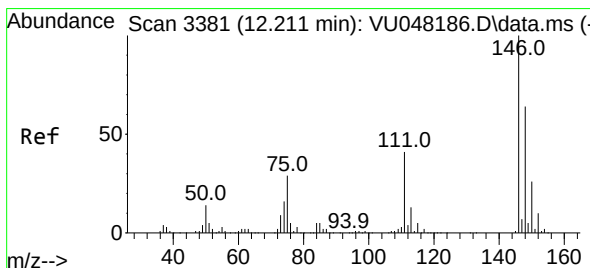
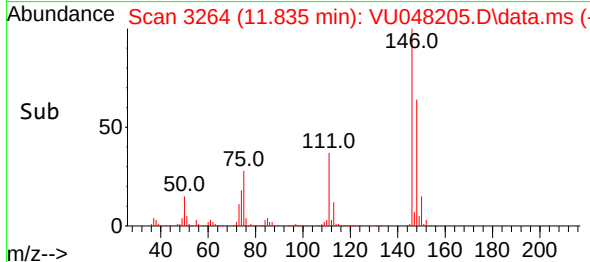
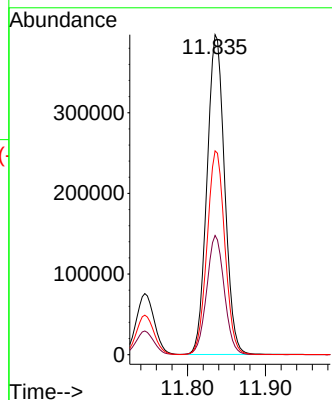
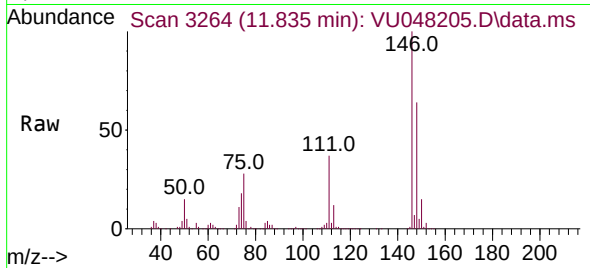




#65
1,4-Dichlorobenzene
Concen: 111.770 ug/L
RT: 11.835 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU048205.D
Acq: 22 Apr 2022 05:34

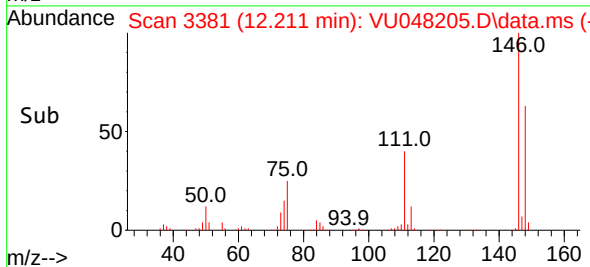
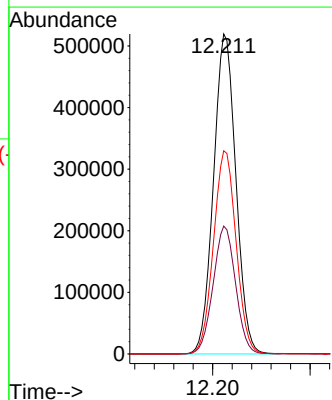
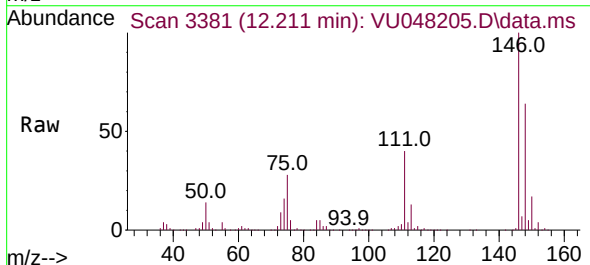
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MSVOA_V
ClientSampleId :
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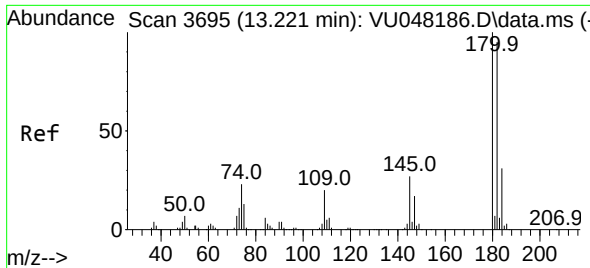
Tgt Ion:146 Resp: 622711
Ion Ratio Lower Upper
146 100
111 37.3 25.3 47.1
148 63.7 44.5 82.7



#67
1,2-Dichlorobenzene
Concen: 153.882 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU048205.D
Acq: 22 Apr 2022 05:34

Tgt Ion:146 Resp: 828196
Ion Ratio Lower Upper
146 100
111 40.0 31.7 47.5
148 63.5 51.4 77.2

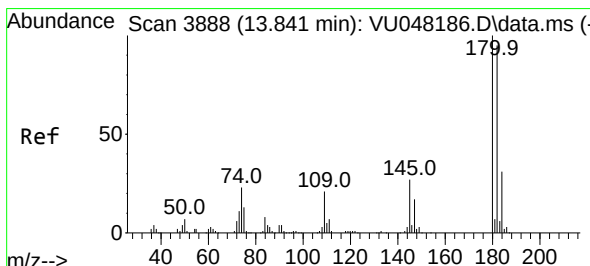
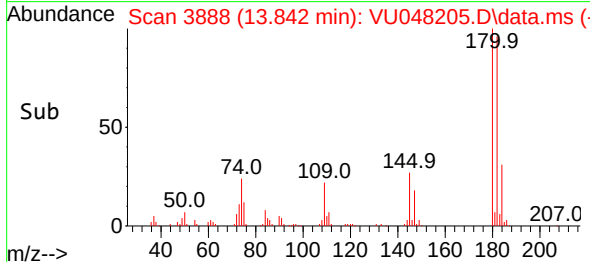
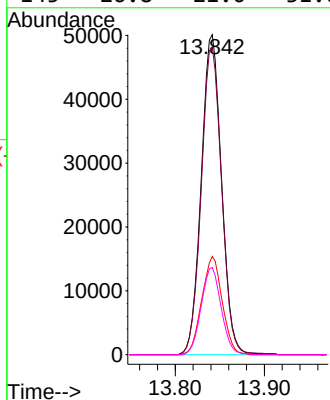
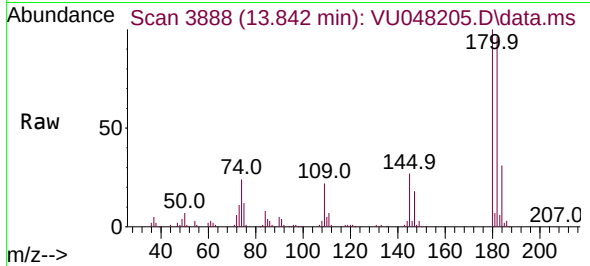




#69
 1,3,5-Trichlorobenzene
 Concen: 18.147 ug/L
 RT: 13.842 min Scan# 3888
 Delta R.T. 0.621 min
 Lab File: VU048205.D
 Acq: 22 Apr 2022 05:34

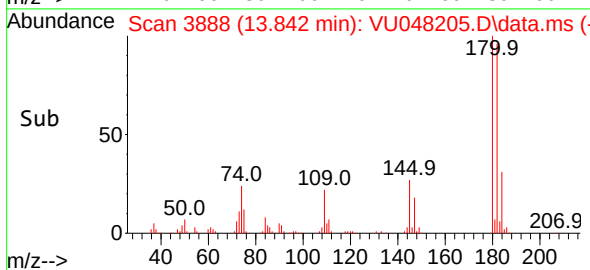
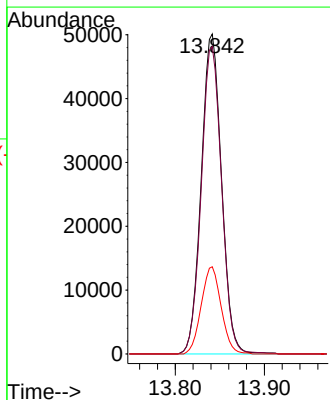
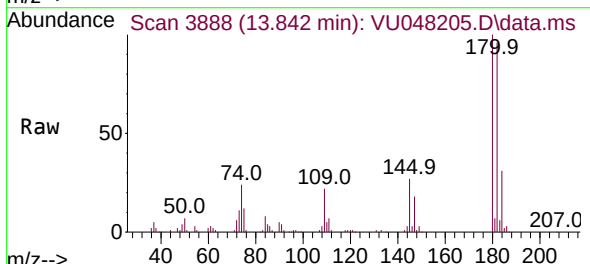
Instrument :
 MSVOA_V
 ClientSampleId :
 COHX2

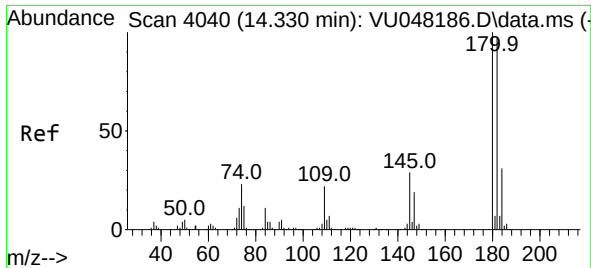
Tgt Ion:180	Resp:	79272
Ion Ratio	Lower	Upper
180	100	
182	96.2	77.0 115.6
184	30.8	24.5 36.7
145	26.8	21.0 31.6



#70
 1,2,4-trichlorobenzene
 Concen: 20.718 ug/L
 RT: 13.842 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU048205.D
 Acq: 22 Apr 2022 05:34

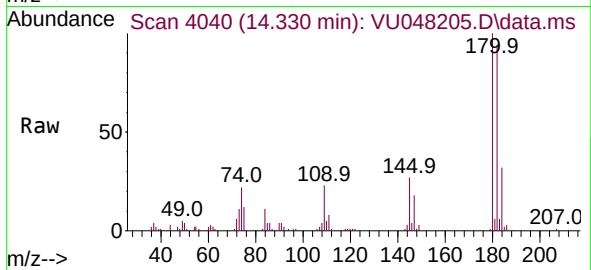
Tgt Ion:180	Resp:	79272
Ion Ratio	Lower	Upper
180	100	
182	96.2	76.2 114.2
145	26.8	21.8 32.8





#72
 1,2,3-Trichlorobenzene
 Concen: 8.340 ug/L
 RT: 14.330 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: VU048205.D
 Acq: 22 Apr 2022 05:34

Instrument :
 MSVOA_V
 ClientSampleId :
 C0HX2



Tgt Ion:	180	Resp:	31989
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.4	116.0
145	28.1	22.8	34.2

