

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030223\
 Data File : VU053186.D
 Acq On : 02 Mar 2023 14:35
 Operator : JC/MD
 Sample : 01745-05 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COLF2

Quant Time: Mar 03 01:47:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 03 01:44:16 2023
 Response via : Initial Calibration

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

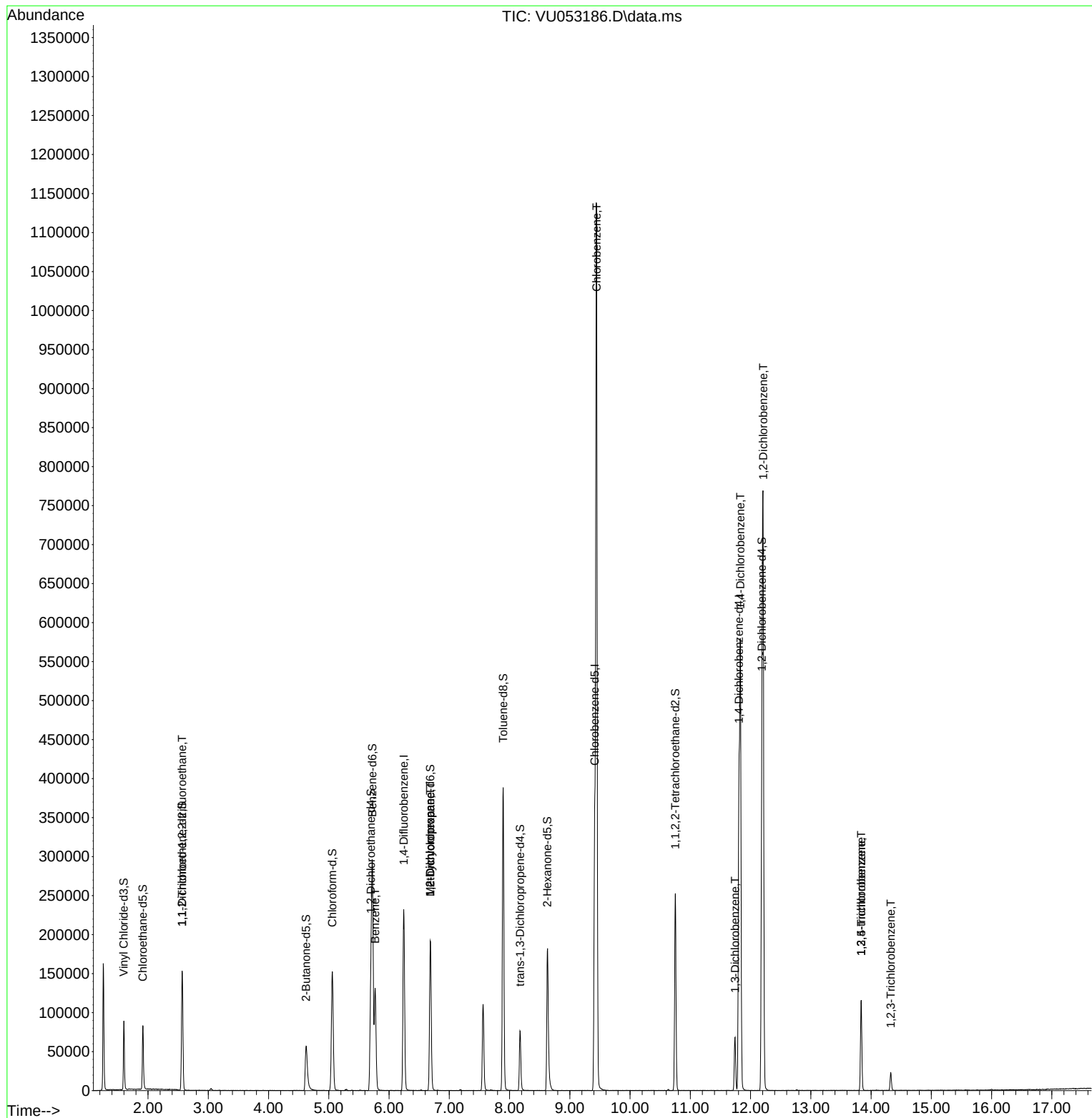
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	184737	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	180249	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	90340	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	62300	36.711	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.420%
7) Chloroethane-d5	1.913	69	58482	40.717	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.440%
11) 1,1-Dichloroethene-d2	2.566	63	90252	31.005	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.000%
21) 2-Butanone-d5	4.624	46	91070	102.680	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.680%
24) Chloroform-d	5.058	84	136138	45.475	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.940%
26) 1,2-Dichloroethane-d4	5.698	65	90140	47.348	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.700%
32) Benzene-d6	5.723	84	282929	44.000	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	6.685	67	96036	45.717	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.440%
41) Toluene-d8	7.894	98	261080	43.851	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.700%
43) trans-1,3-Dichloroprop...	8.173	79	45668	42.685	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.380%
47) 2-Hexanone-d5	8.627	63	66028	90.992	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.990%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	127768	45.699	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	12.186	152	89955	44.791	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.580%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	896	0.624	ug/L #	23
33) Benzene	5.768	78	127703	20.141	ug/L	100
35) Methylcyclohexane	6.685	83	20896	7.333	ug/L #	21
37) 1,2-Dichloropropane	6.685	63	10384	5.939	ug/L #	90
51) Chlorobenzene	9.443	112	588846	140.936	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	25526	8.643	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	206867	69.039	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	258373	86.554	ug/L	98
69) 1,3,5-Trichlorobenzene	13.836	180	31370	15.668	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	31370	16.555	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	6658	3.499	ug/L	99

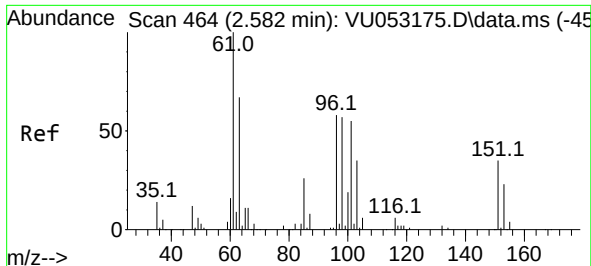
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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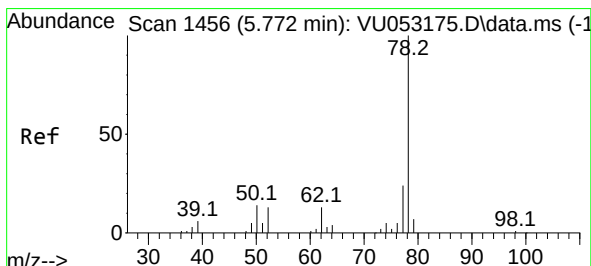
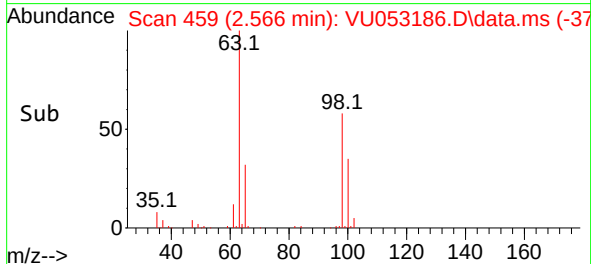
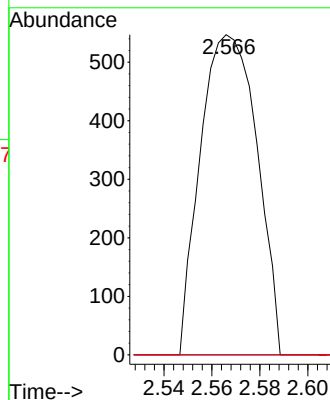
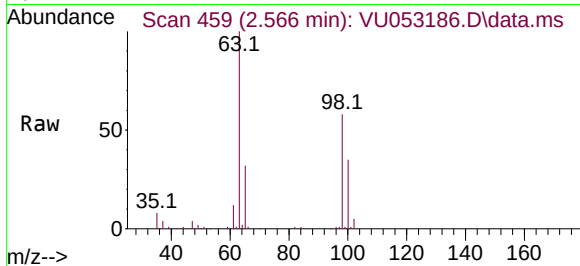




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.624 ug/L
 RT: 2.566 min Scan# 41
 Delta R.T. -0.016 min
 Lab File: VU053186.D
 Acq: 02 Mar 2023 14:35

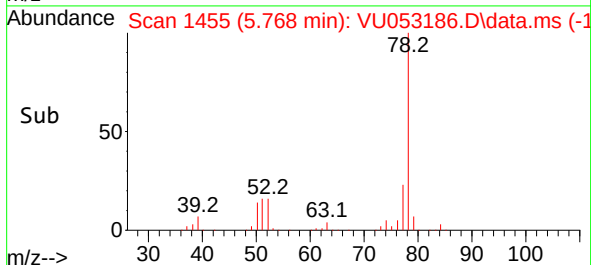
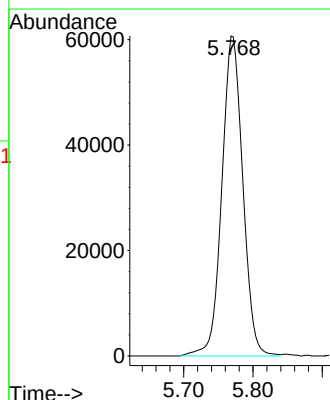
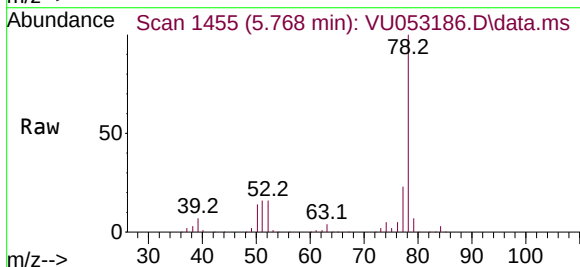
Instrument :
 MSVOA_U
 ClientSampleId :
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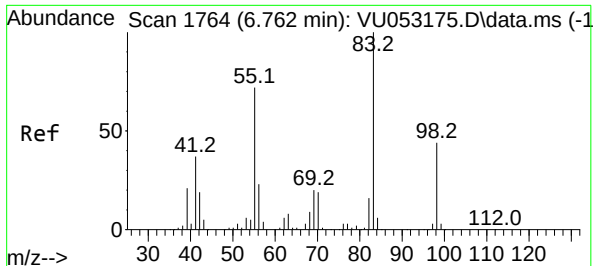
Tgt Ion:101 Resp: 896
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.6 54.8#
 151 0.0 52.6 79.0#



#33
 Benzene
 Concen: 20.141 ug/L
 RT: 5.768 min Scan# 1455
 Delta R.T. -0.003 min
 Lab File: VU053186.D
 Acq: 02 Mar 2023 14:35

Tgt Ion: 78 Resp: 127703

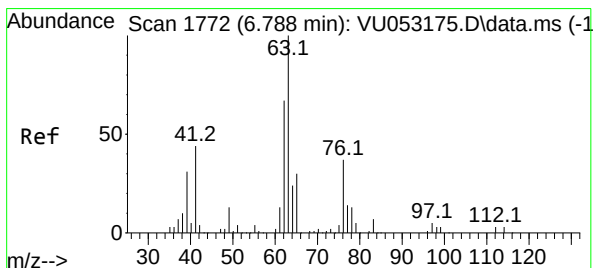
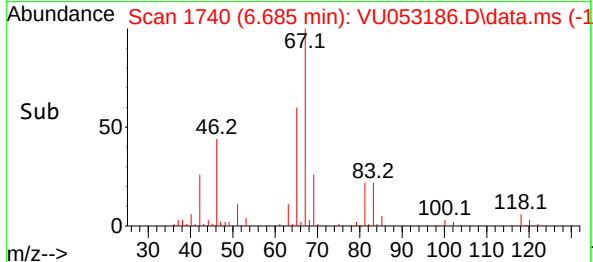
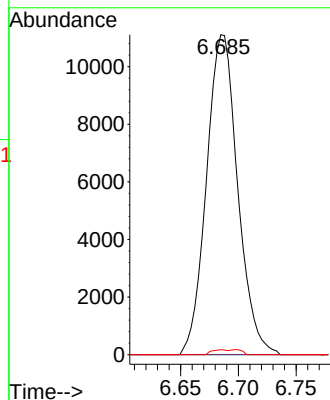
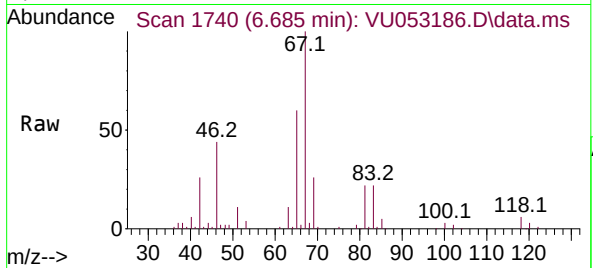




#35
Methylcyclohexane
Concen: 7.333 ug/L
RT: 6.685 min Scan# 1740
Delta R.T. -0.077 min
Lab File: VU053186.D
Acq: 02 Mar 2023 14:35

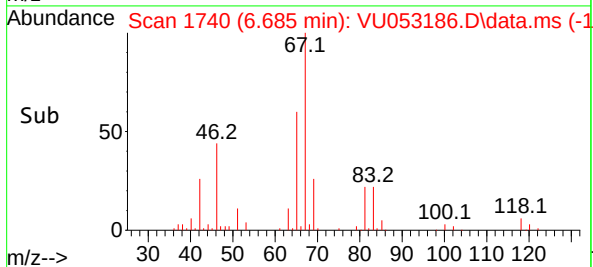
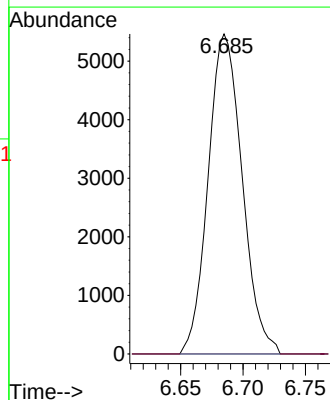
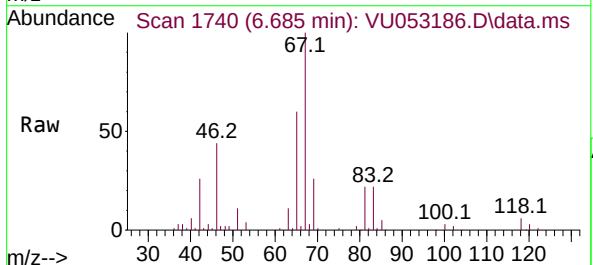
Instrument :
MSVOA_U
ClientSampleId :
COLF2

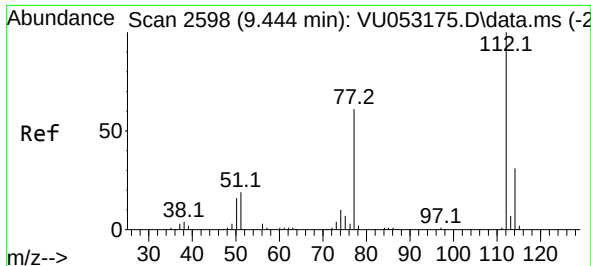
Tgt Ion: 83 Resp: 20896
Ion Ratio Lower Upper
83 100
55 0.0 57.4 86.2#
98 0.8 36.1 54.1#



#37
1,2-Dichloropropane
Concen: 5.939 ug/L
RT: 6.685 min Scan# 1740
Delta R.T. -0.103 min
Lab File: VU053186.D
Acq: 02 Mar 2023 14:35

Tgt Ion: 63 Resp: 10384
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#

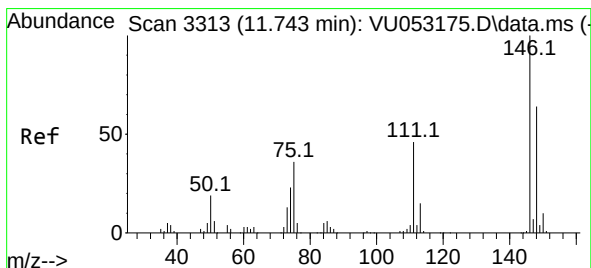
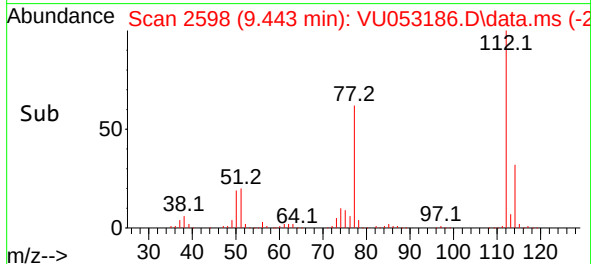
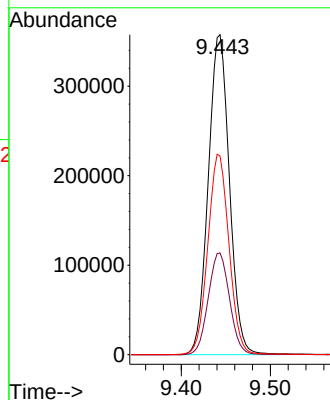
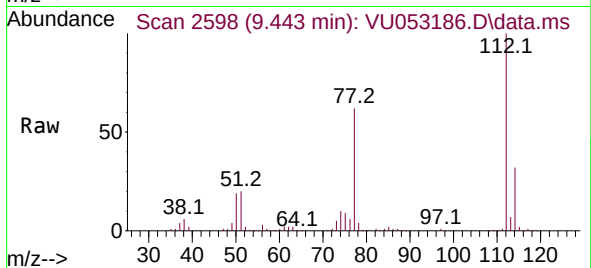




#51
Chlorobenzene
Concen: 140.936 ug/L
RT: 9.443 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053186.D
Acq: 02 Mar 2023 14:35

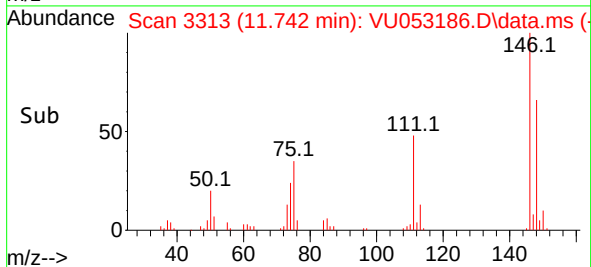
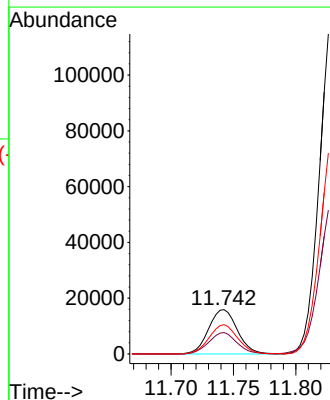
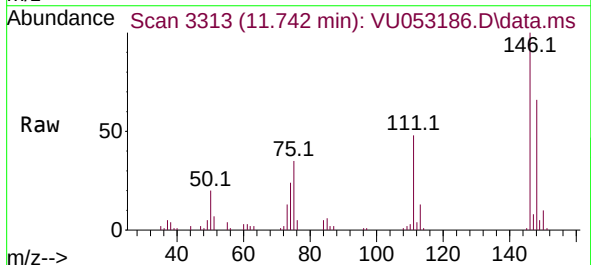
Instrument :
MSVOA_U
ClientSampleId :
COLF2

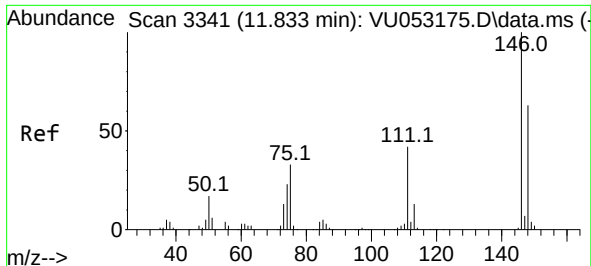
Tgt Ion:112 Resp: 588846
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.3
77 62.1 48.8 73.2



#64
1,3-Dichlorobenzene
Concen: 8.643 ug/L
RT: 11.742 min Scan# 3313
Delta R.T. -0.000 min
Lab File: VU053186.D
Acq: 02 Mar 2023 14:35

Tgt Ion:146 Resp: 25526
Ion Ratio Lower Upper
146 100
111 48.2 32.1 59.5
148 66.1 44.2 82.2

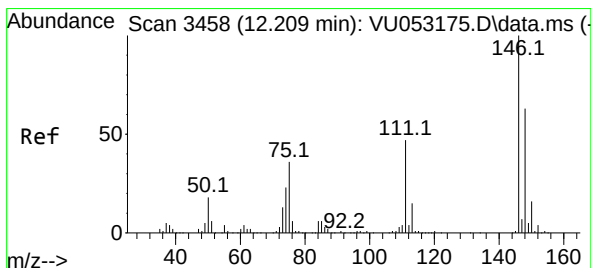
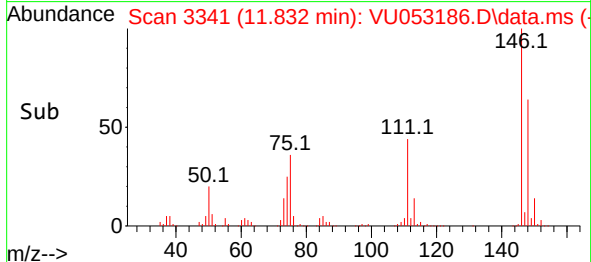
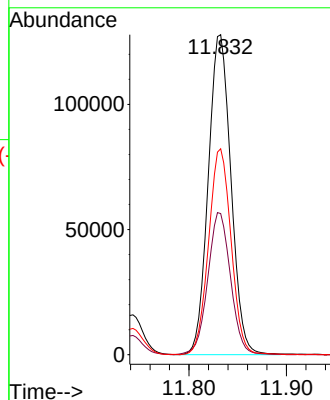
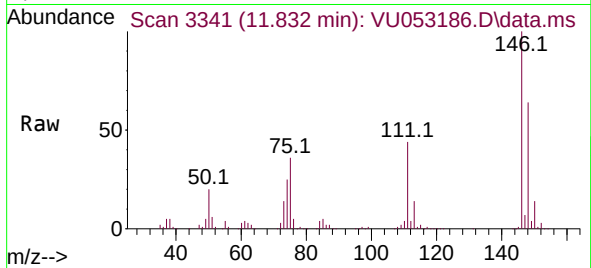




#65
1,4-Dichlorobenzene
Concen: 69.039 ug/L
RT: 11.832 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU053186.D
Acq: 02 Mar 2023 14:35

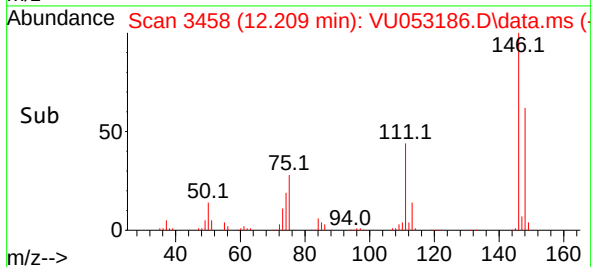
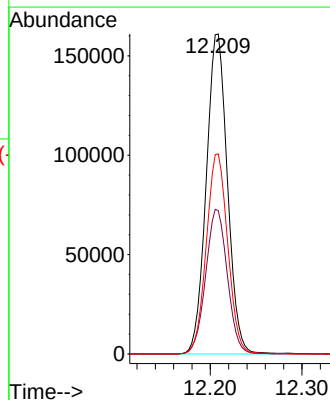
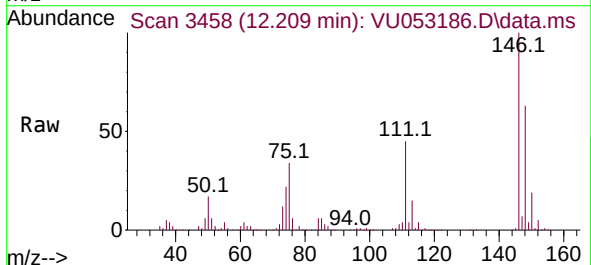
Instrument :
MSVOA_U
ClientSampleId :
COLF2

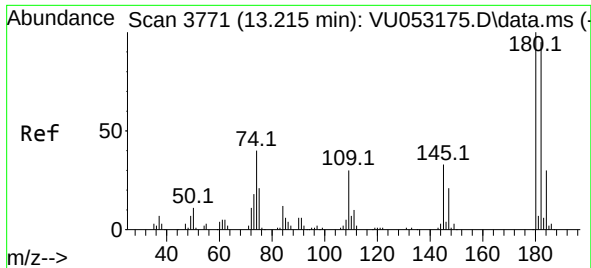
Tgt Ion:146 Resp: 206867
Ion Ratio Lower Upper
146 100
111 44.1 29.9 55.5
148 64.4 44.0 81.6



#67
1,2-Dichlorobenzene
Concen: 86.554 ug/L
RT: 12.209 min Scan# 3458
Delta R.T. -0.000 min
Lab File: VU053186.D
Acq: 02 Mar 2023 14:35

Tgt Ion:146 Resp: 258373
Ion Ratio Lower Upper
146 100
111 44.8 37.8 56.6
148 62.6 50.4 75.6

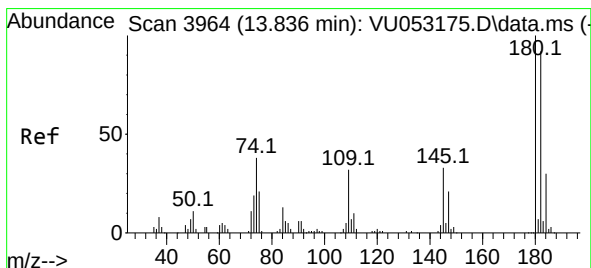
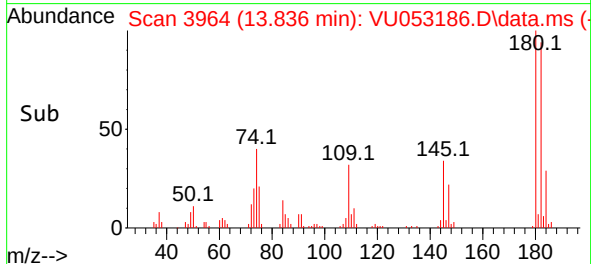
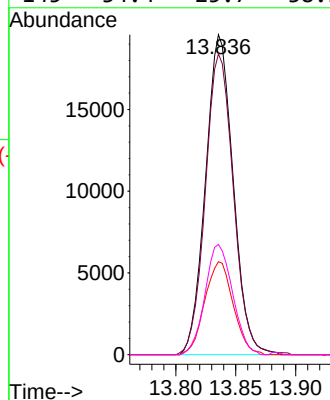
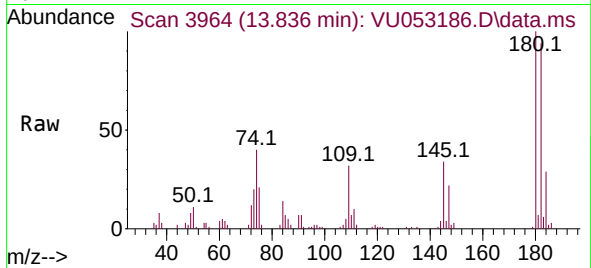




#69
1,3,5-Trichlorobenzene
Concen: 15.668 ug/L
RT: 13.836 min Scan# 3964
Delta R.T. 0.620 min
Lab File: VU053186.D
Acq: 02 Mar 2023 14:35

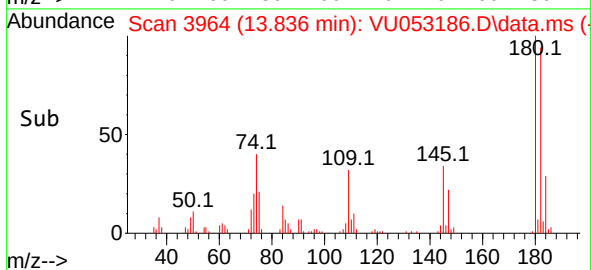
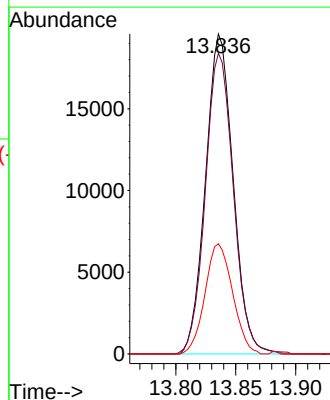
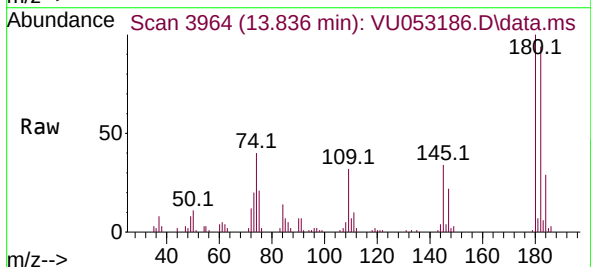
Instrument :
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ClientSampleId :
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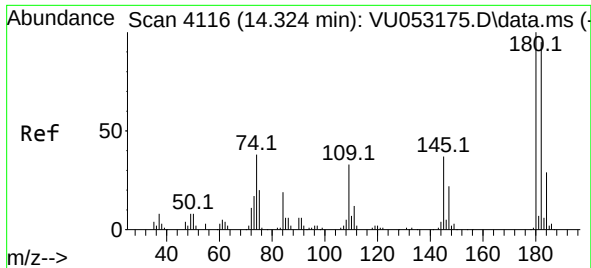
Tgt Ion:180 Resp: 31370
Ion Ratio Lower Upper
180 100
182 95.4 76.9 115.3
184 29.9 23.7 35.5
145 34.4 25.7 38.5



#70
1,2,4-trichlorobenzene
Concen: 16.555 ug/L
RT: 13.836 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU053186.D
Acq: 02 Mar 2023 14:35

Tgt Ion:180 Resp: 31370
Ion Ratio Lower Upper
180 100
182 95.4 76.4 114.6
145 34.4 26.8 40.2





#72

1,2,3-Trichlorobenzene

Concen: 3.499 ug/L

RT: 14.328 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU053186.D

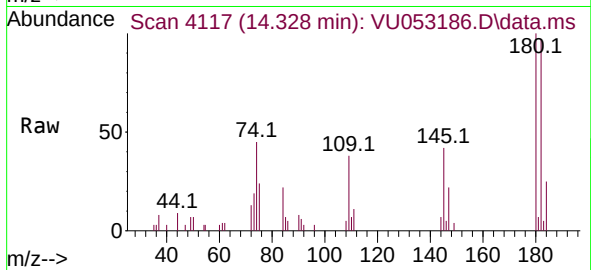
Acq: 02 Mar 2023 14:35

Instrument :

MSVOA_U

ClientSampleId :

COLF2



Tgt Ion:180 Resp: 6658

Ion Ratio Lower Upper

180 100

182 94.9 75.4 113.2

145 36.8 28.2 42.2

