

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053434.D
 Acq On : 28 Mar 2023 15:30
 Operator : JC/MD
 Sample : 02085-05 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMB4

Quant Time: Mar 29 01:12:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 01:10:06 2023
 Response via : Initial Calibration

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

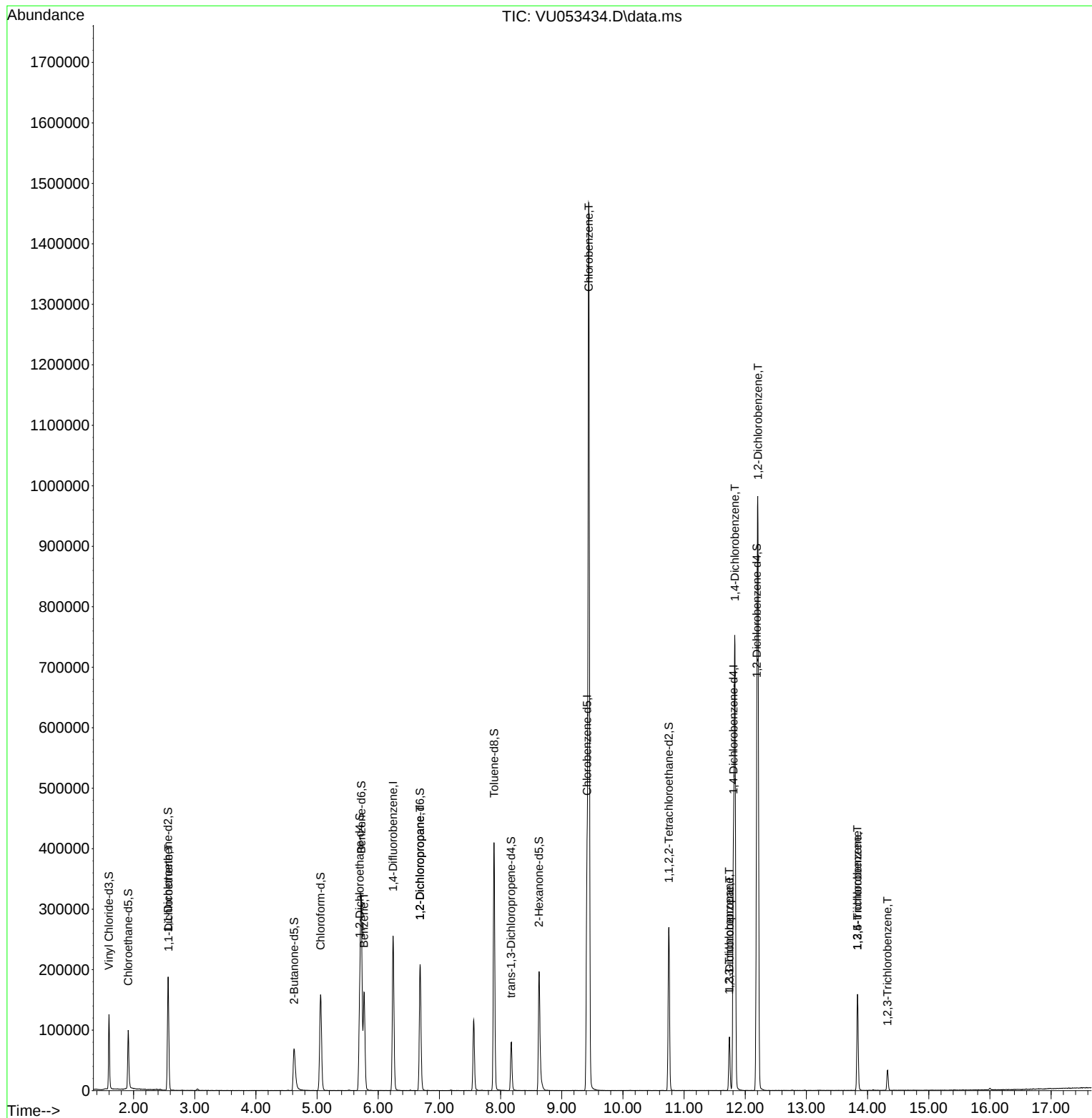
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	203432	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	192563	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	96240	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	88054	46.918	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.840%
7) Chloroethane-d5	1.912	69	70486	46.431	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.860%
11) 1,1-Dichloroethene-d2	2.565	63	110177	33.888	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.780%
21) 2-Butanone-d5	4.623	46	114676	131.742	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	131.740%#
24) Chloroform-d	5.057	84	142425	46.075	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.140%
26) 1,2-Dichloroethane-d4	5.697	65	95627	49.813	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.620%
32) Benzene-d6	5.723	84	293231	46.948	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.900%
36) 1,2-Dichloropropane-d6	6.684	67	100435	49.823	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.640%
41) Toluene-d8	7.893	98	268672	46.203	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.400%
43) trans-1,3-Dichloroprop...	8.173	79	44076	44.316	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.640%
47) 2-Hexanone-d5	8.629	63	64676	102.625	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.620%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	132495	50.738	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.480%
66) 1,2-Dichlorobenzene-d4	12.189	152	100442	53.900	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.800%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.572	96	871	0.583	ug/L #	1
33) Benzene	5.768	78	152430	22.833	ug/L	100
37) 1,2-Dichloropropane	6.684	63	10933	5.870	ug/L #	90
51) Chlorobenzene	9.443	112	755689	168.937	ug/L	99
60) 1,2,3-Trichloropropane	11.738	75	11272	5.894	ug/L #	47
64) 1,3-Dichlorobenzene	11.742	146	34692	10.878	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	272943	85.255	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	352321	110.534	ug/L	96
69) 1,3,5-Trichlorobenzene	13.835	180	46053	22.777	ug/L	97
70) 1,2,4-trichlorobenzene	13.835	180	46053	25.349	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	10815	6.277	ug/L	94

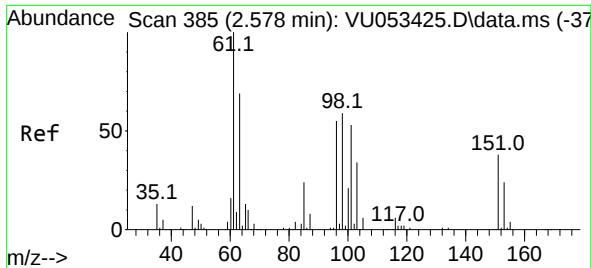
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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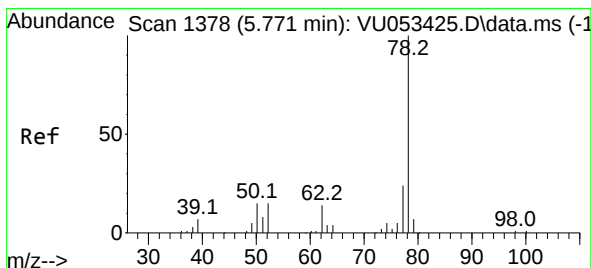
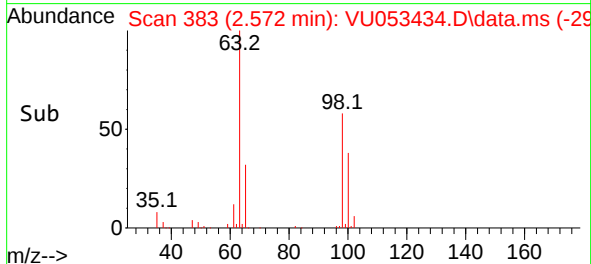
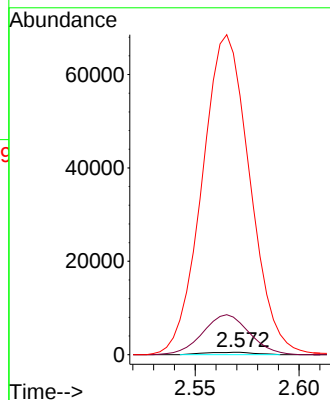
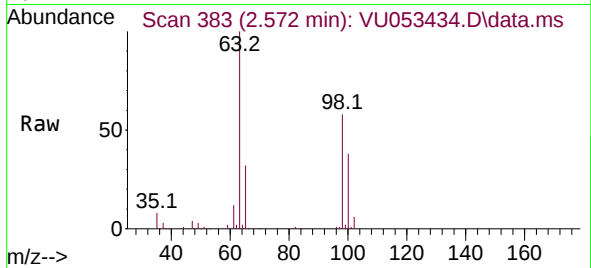




#12
1,1-Dichloroethene
Concen: 0.583 ug/L
RT: 2.572 min Scan# 31
Delta R.T. -0.006 min
Lab File: VU053434.D
Acq: 28 Mar 2023 15:30

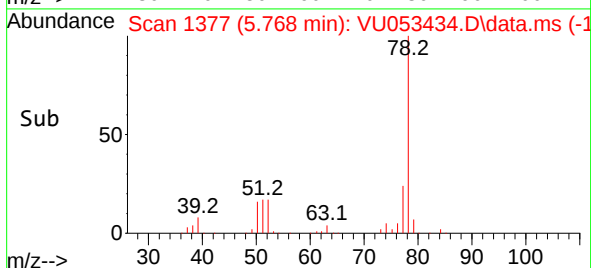
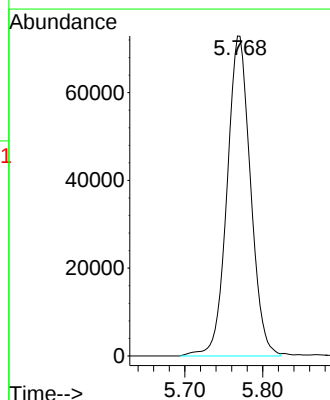
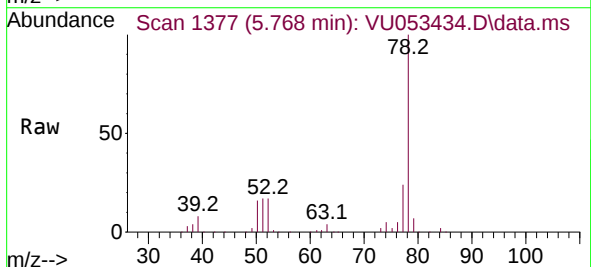
Instrument :
MSVOA_U
ClientSampleId :
COMB4

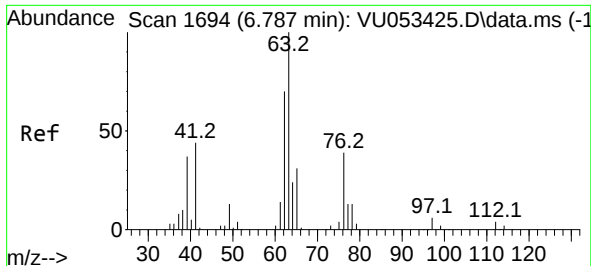
Tgt Ion: 96 Resp: 871
Ion Ratio Lower Upper
96 100
61 1319.0 122.2 226.9#
63 10721.9 89.9 166.9#



#33
Benzene
Concen: 22.833 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053434.D
Acq: 28 Mar 2023 15:30

Tgt Ion: 78 Resp: 152430





#37

1,2-Dichloropropane

Concen: 5.870 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU053434.D

Acq: 28 Mar 2023 15:30

Instrument :

MSVOA_U

ClientSampleId :

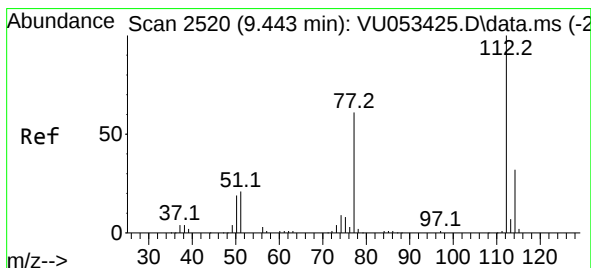
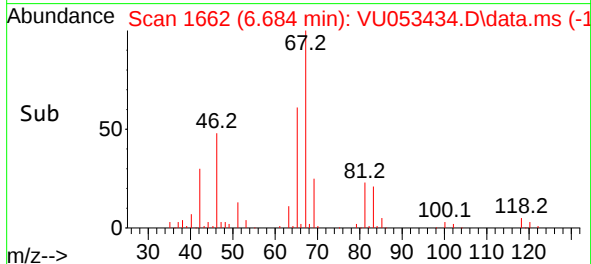
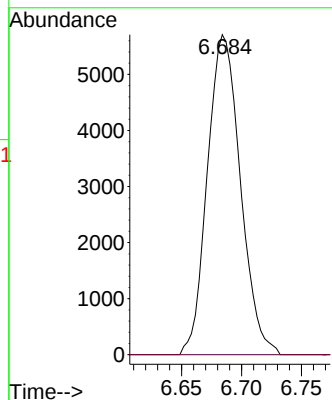
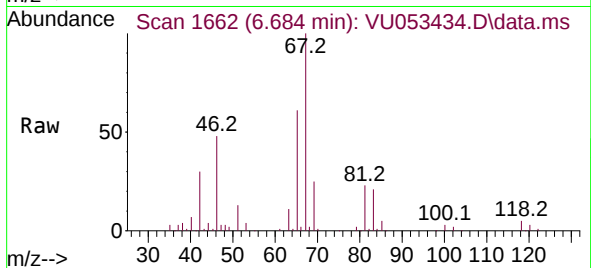
COMB4

Tgt Ion: 63 Resp: 10933

Ion Ratio Lower Upper

63 100

112 0.0 2.6 3.8#



#51

Chlorobenzene

Concen: 168.937 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053434.D

Acq: 28 Mar 2023 15:30

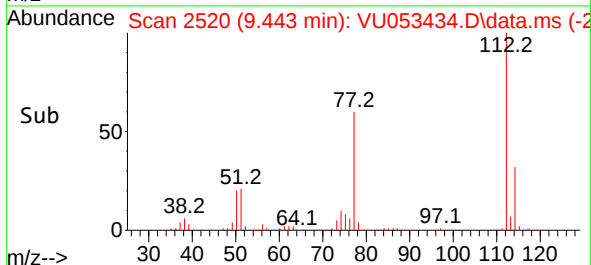
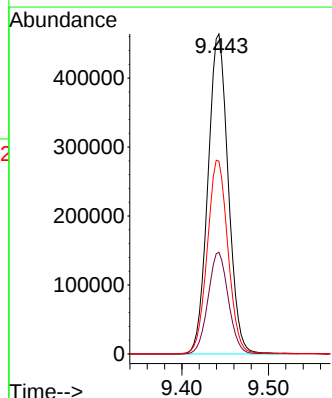
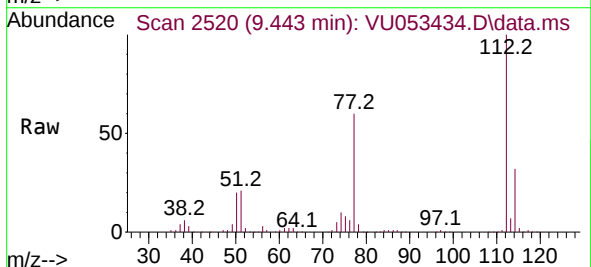
Tgt Ion: 112 Resp: 755689

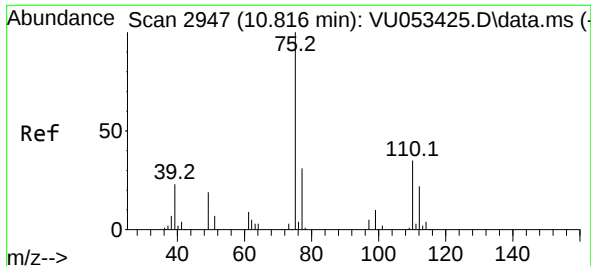
Ion Ratio Lower Upper

112 100

114 31.8 21.8 40.6

77 60.3 48.8 73.2

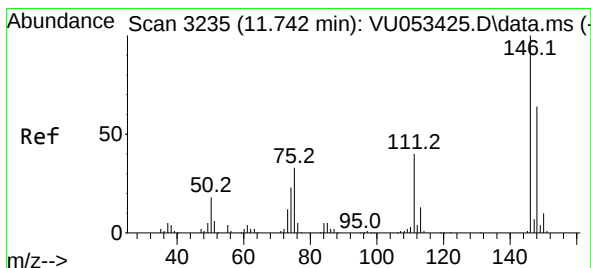
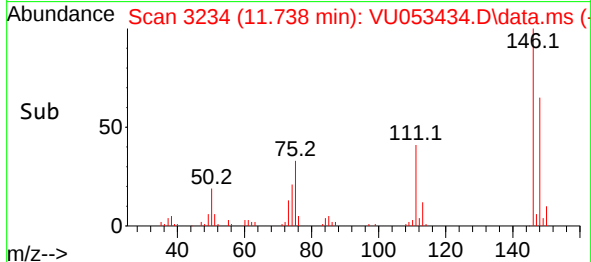
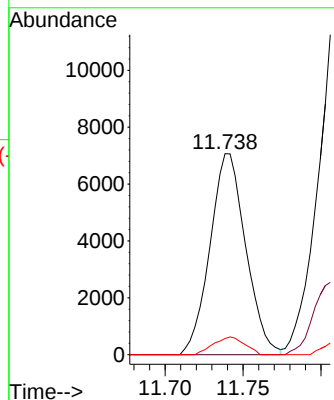
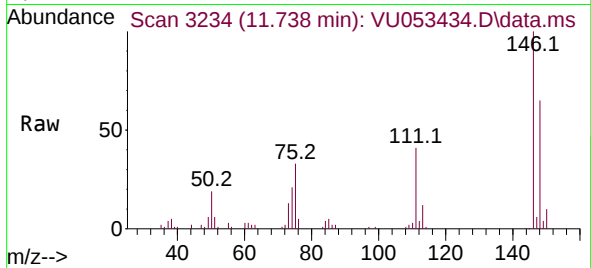




#60
1,2,3-Trichloropropane
Concen: 5.894 ug/L
RT: 11.738 min Scan# 311
Delta R.T. 0.923 min
Lab File: VU053434.D
Acq: 28 Mar 2023 15:30

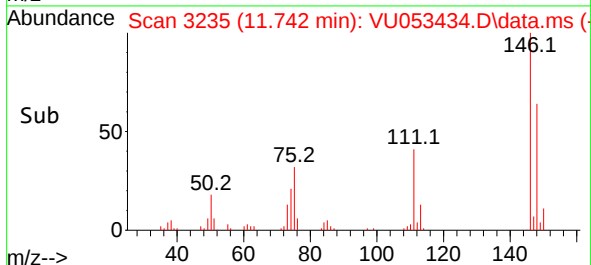
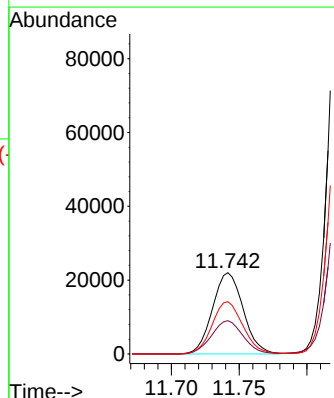
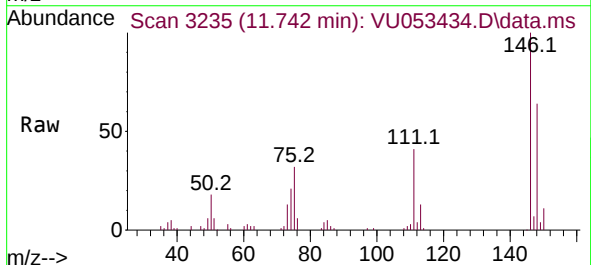
Instrument :
MSVOA_U
ClientSampleId :
COMB4

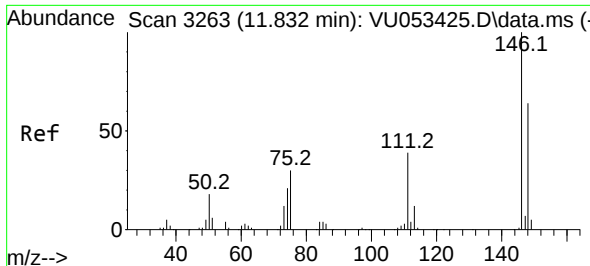
Tgt Ion: 75 Resp: 11272
Ion Ratio Lower Upper
75 100
77 0.0 26.6 40.0#
110 7.7 28.6 42.8#



#64
1,3-Dichlorobenzene
Concen: 10.878 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU053434.D
Acq: 28 Mar 2023 15:30

Tgt Ion: 146 Resp: 34692
Ion Ratio Lower Upper
146 100
111 40.9 30.2 56.0
148 64.3 44.8 83.2

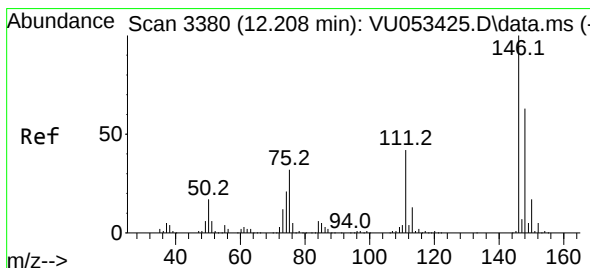
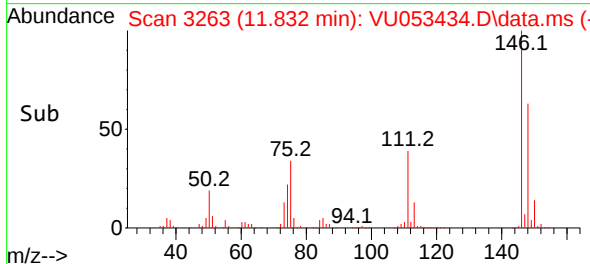
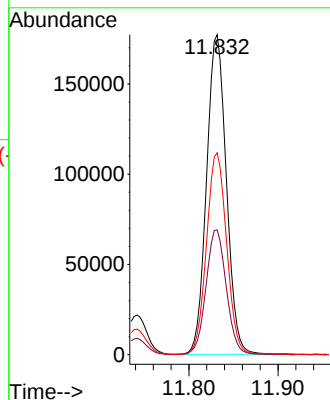
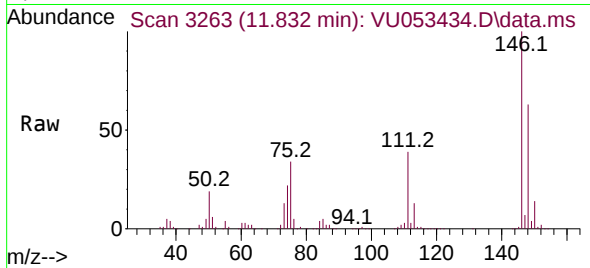




#65
1,4-Dichlorobenzene
Concen: 85.255 ug/L
RT: 11.832 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053434.D
Acq: 28 Mar 2023 15:30

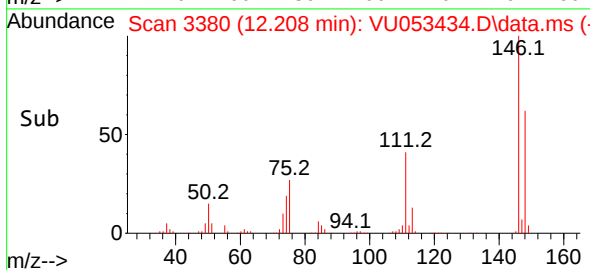
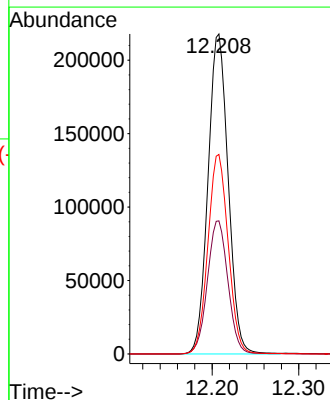
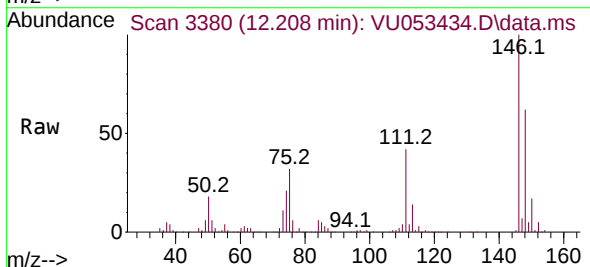
Instrument :
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ClientSampleId :
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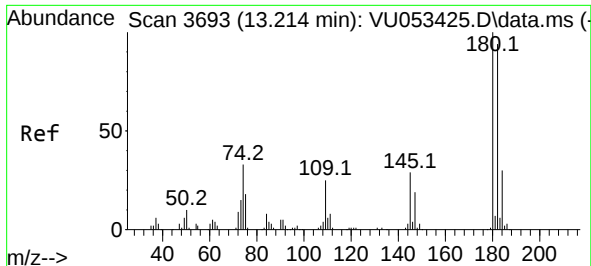
Tgt Ion:146 Resp: 272943
Ion Ratio Lower Upper
146 100
111 39.0 30.7 57.1
148 63.1 45.6 84.8



#67
1,2-Dichlorobenzene
Concen: 110.534 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU053434.D
Acq: 28 Mar 2023 15:30

Tgt Ion:146 Resp: 352321
Ion Ratio Lower Upper
146 100
111 41.6 37.0 55.4
148 62.3 51.4 77.2





#69

1,3,5-Trichlorobenzene

Concen: 22.777 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.621 min

Lab File: VU053434.D

Acq: 28 Mar 2023 15:30

Instrument :

MSVOA_U

ClientSampleId :

COMB4

Tgt Ion:180 Resp: 46053

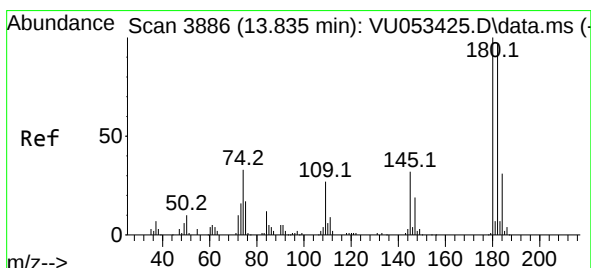
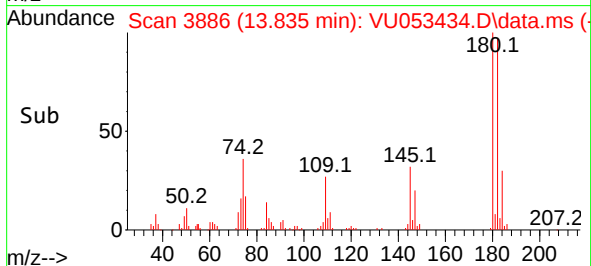
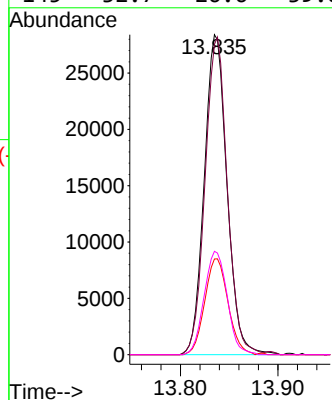
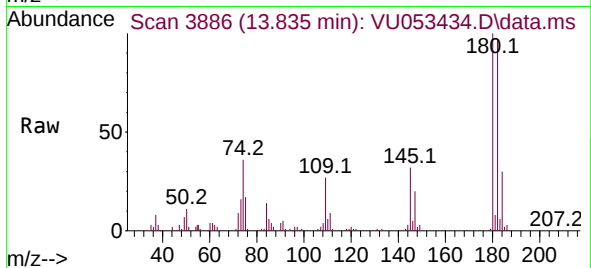
Ion Ratio Lower Upper

180 100

182 97.1 74.5 111.7

184 30.8 23.2 34.8

145 32.7 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 25.349 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU053434.D

Acq: 28 Mar 2023 15:30

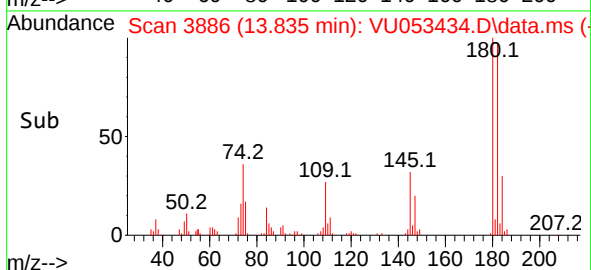
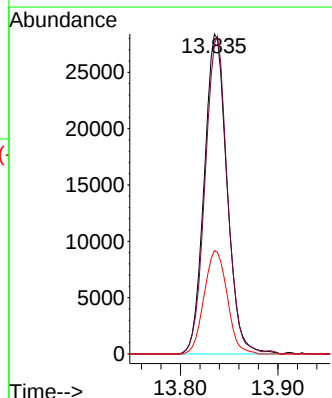
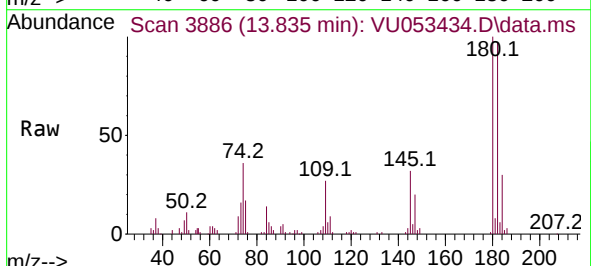
Tgt Ion:180 Resp: 46053

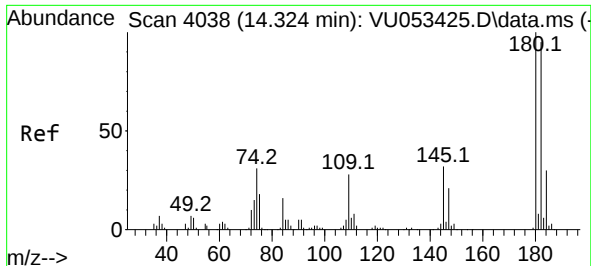
Ion Ratio Lower Upper

180 100

182 97.1 75.8 113.8

145 32.7 27.2 40.8





#72

1,2,3-Trichlorobenzene

Concen: 6.277 ug/L

RT: 14.327 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU053434.D

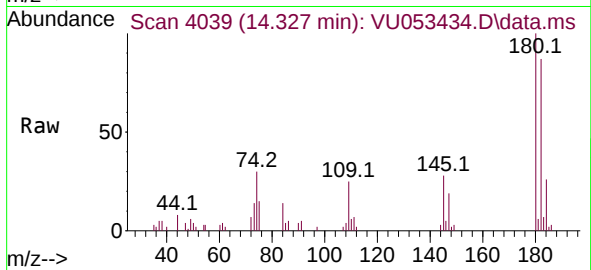
Acq: 28 Mar 2023 15:30

Instrument :

MSVOA_U

ClientSampleId :

COMB4



Tgt Ion:180 Resp: 10815

Ion Ratio Lower Upper

180 100

182 90.9 76.7 115.1

145 30.4 28.6 42.8

