

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041123\
 Data File : VU053648.D
 Acq On : 11 Apr 2023 20:20
 Operator : JC/MD
 Sample : 02252-08 200X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COME4

Quant Time: Apr 12 02:27:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 02:22:37 2023
 Response via : Initial Calibration

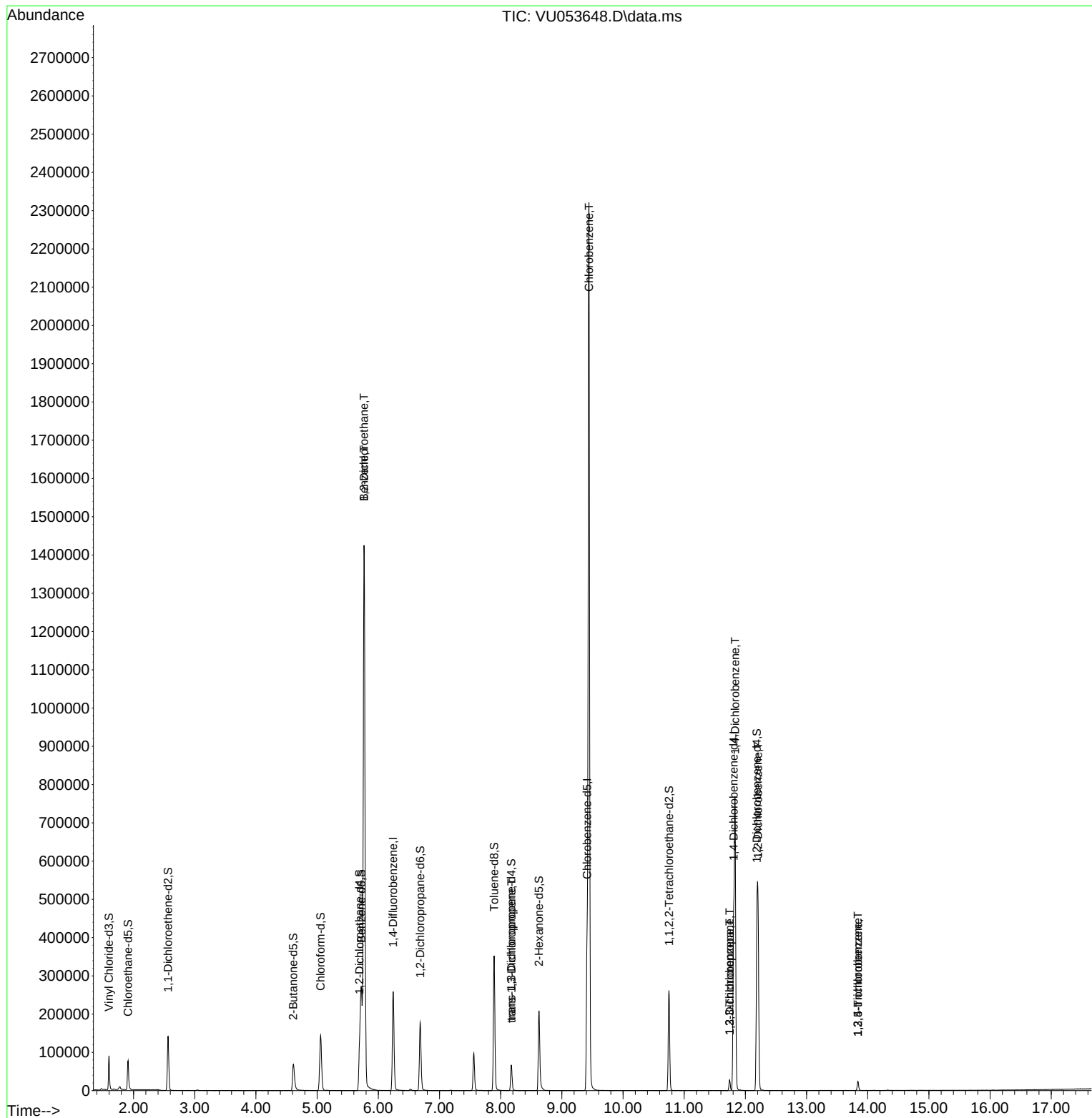
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	219880	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	211285	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	110773	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	66111	38.614	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	77.220%	
7) Chloroethane-d5	1.909	69	61158	46.329	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	92.660%	
11) 1,1-Dichloroethene-d2	2.562	63	83927	31.667	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	63.340%	
21) 2-Butanone-d5	4.610	46	97429	125.687	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	125.690%	
24) Chloroform-d	5.057	84	131999	46.617	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	93.240%	
26) 1,2-Dichloroethane-d4	5.694	65	84784	50.673	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	101.340%	
32) Benzene-d6	5.722	84	263159	46.143	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	92.280%	
36) 1,2-Dichloropropane-d6	6.684	67	86251	49.479	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	98.960%	
41) Toluene-d8	7.893	98	245222	43.261	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	86.520%	
43) trans-1,3-Dichloroprop...	8.173	79	39687	44.105	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	88.220%	
47) 2-Hexanone-d5	8.626	63	75281	126.537	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	126.540%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	129473	52.697	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	105.400%	
66) 1,2-Dichlorobenzene-d4	12.188	152	103707	44.852	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	89.700%	
Target Compounds						
27) 1,2-Dichloroethane	5.768	62	10947	5.802	ug/L #	72
33) Benzene	5.768	78	1399265	254.185	ug/L	100
44) trans-1,3-Dichloropropene	8.179	75	1728	0.800	ug/L	89
51) Chlorobenzene	9.443	112	1287886	299.629	ug/L	96
60) 1,2,3-Trichloropropane	11.742	75	3451	2.149	ug/L #	46
64) 1,3-Dichlorobenzene	11.742	146	11653	3.405	ug/L	86
65) 1,4-Dichlorobenzene	11.832	146	300173	86.064	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	173324	50.818	ug/L	97
69) 1,3,5-Trichlorobenzene	13.838	180	8441	3.331	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	8441	3.593	ug/L	98

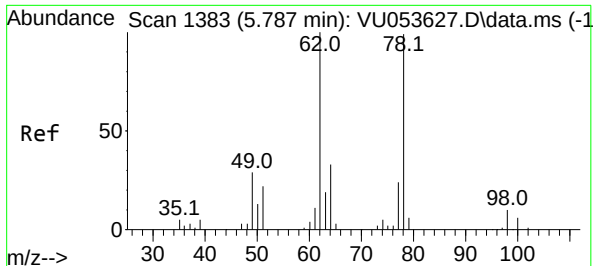
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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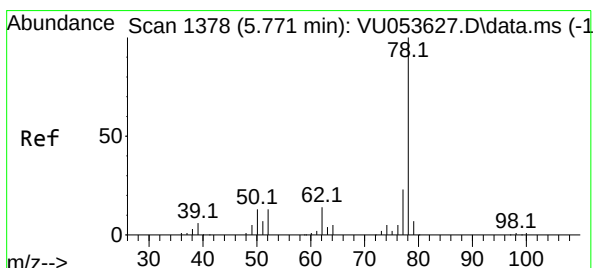
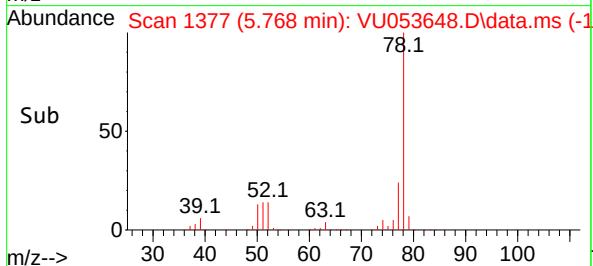
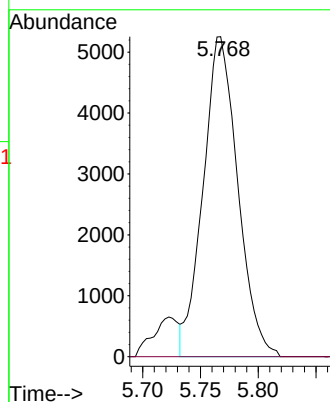
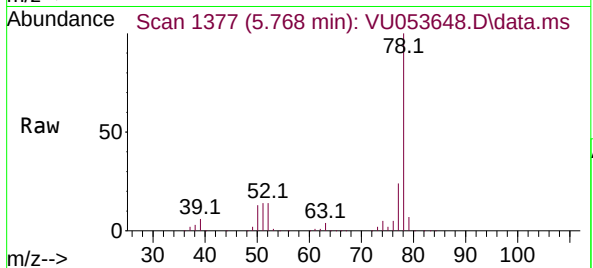




#27
1,2-Dichloroethane
Concen: 5.802 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.019 min
Lab File: VU053648.D
Acq: 11 Apr 2023 20:20

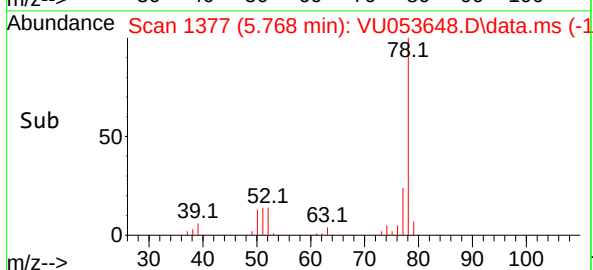
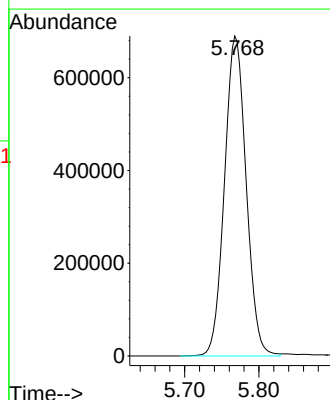
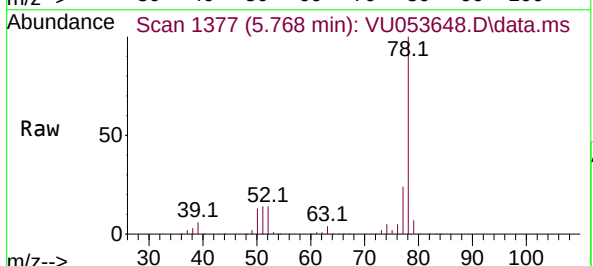
Instrument :
MSVOA_U
ClientSampleId :
COME4

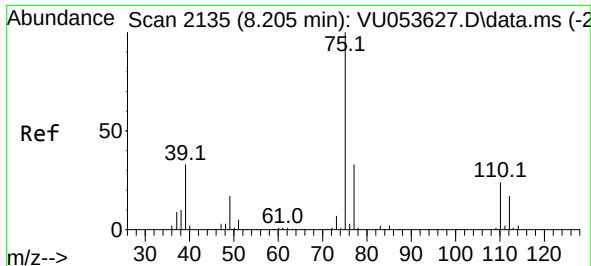
Tgt Ion: 62 Resp: 10947
Ion Ratio Lower Upper
62 100
98 0.0 8.3 12.5#



#33
Benzene
Concen: 254.185 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053648.D
Acq: 11 Apr 2023 20:20

Tgt Ion: 78 Resp: 1399265

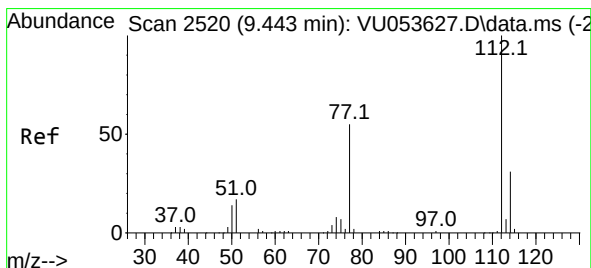
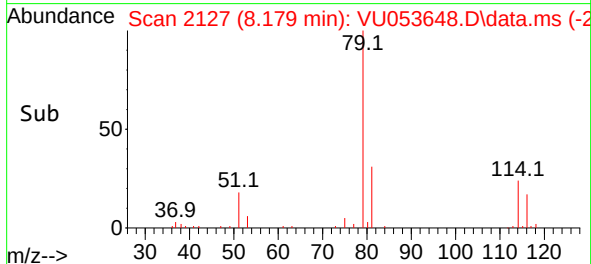
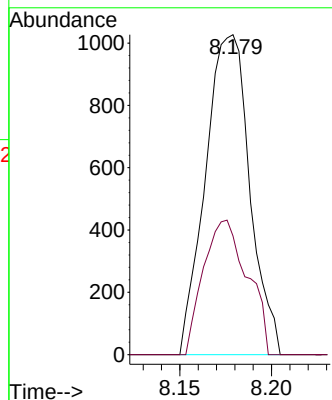
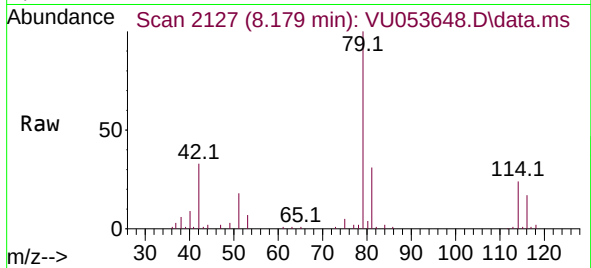




#44
trans-1,3-Dichloropropene
Concen: 0.800 ug/L
RT: 8.179 min Scan# 2135
Delta R.T. -0.026 min
Lab File: VU053648.D
Acq: 11 Apr 2023 20:20

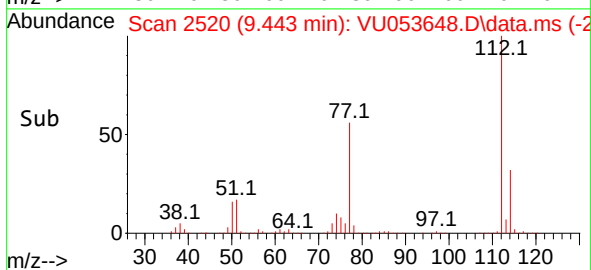
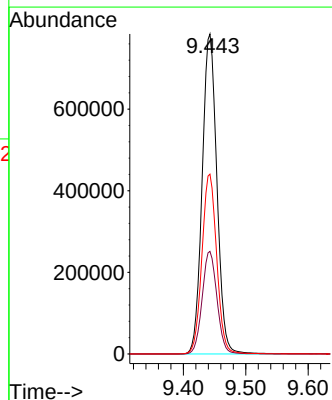
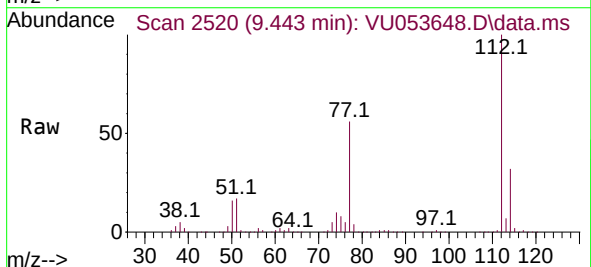
Instrument :
MSVOA_U
ClientSampleId :
COME4

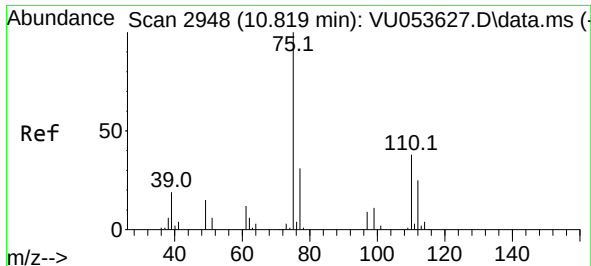
Tgt Ion: 75 Resp: 1728
Ion Ratio Lower Upper
75 100
77 37.1 21.8 40.4



#51
Chlorobenzene
Concen: 299.629 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053648.D
Acq: 11 Apr 2023 20:20

Tgt Ion: 112 Resp: 1287886
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 56.2 41.3 61.9

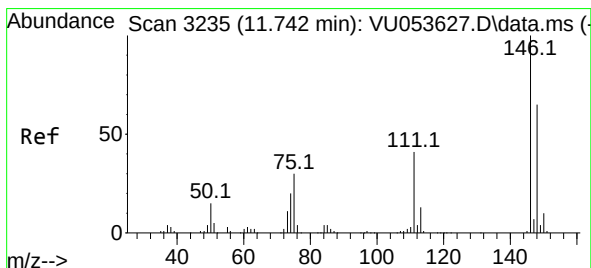
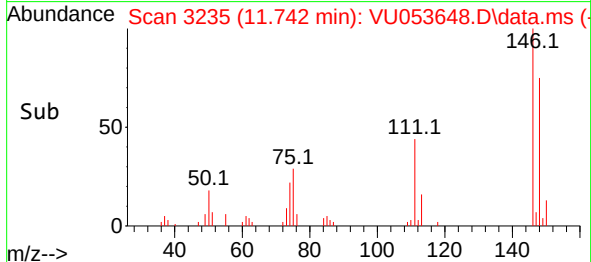
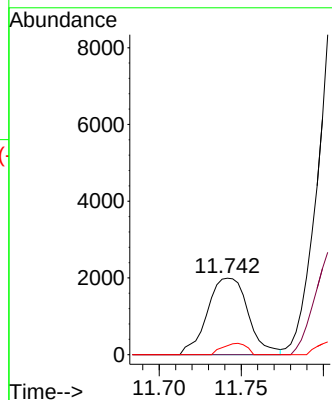
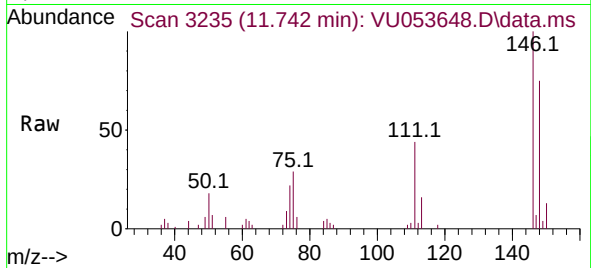




#60
1,2,3-Trichloropropane
Concen: 2.149 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.923 min
Lab File: VU053648.D
Acq: 11 Apr 2023 20:20

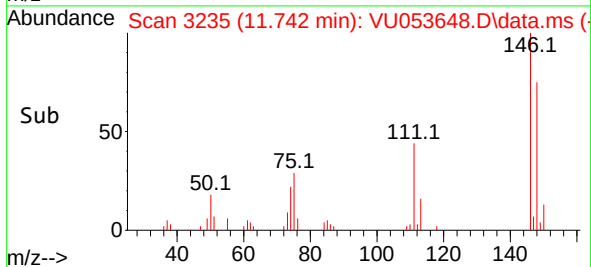
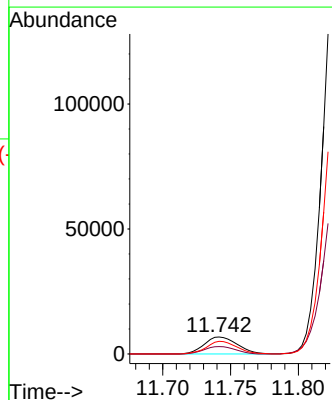
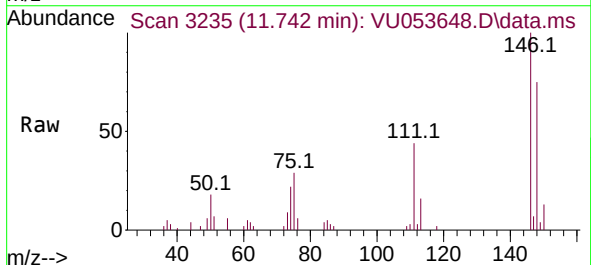
Instrument :
MSVOA_U
ClientSampleId :
COME4

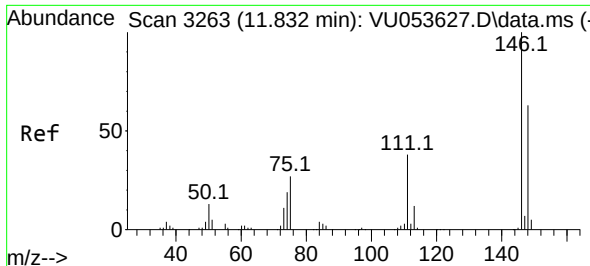
Tgt Ion: 75 Resp: 3451
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#
110 8.7 32.6 48.8#



#64
1,3-Dichlorobenzene
Concen: 3.405 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU053648.D
Acq: 11 Apr 2023 20:20

Tgt Ion:146 Resp: 11653
Ion Ratio Lower Upper
146 100
111 43.8 25.7 47.7
148 74.8 44.2 82.2

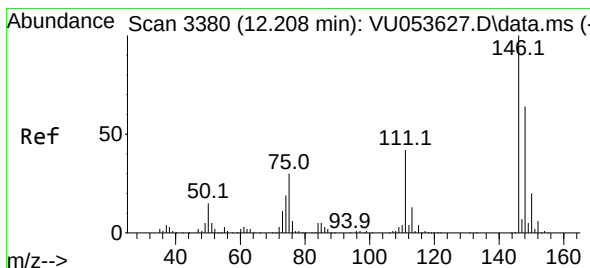
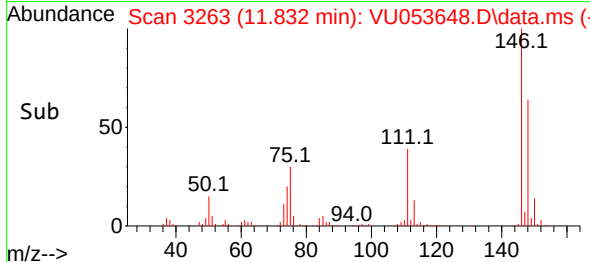
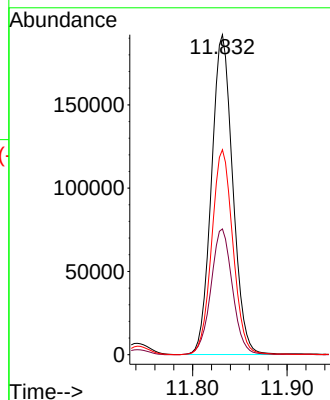
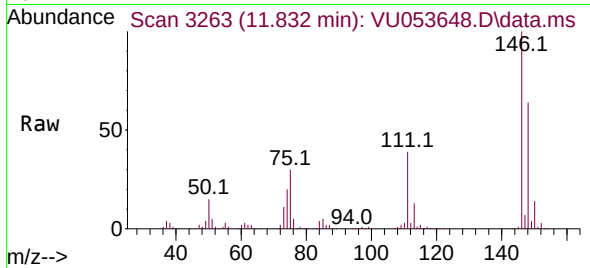




#65
1,4-Dichlorobenzene
Concen: 86.064 ug/L
RT: 11.832 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053648.D
Acq: 11 Apr 2023 20:20

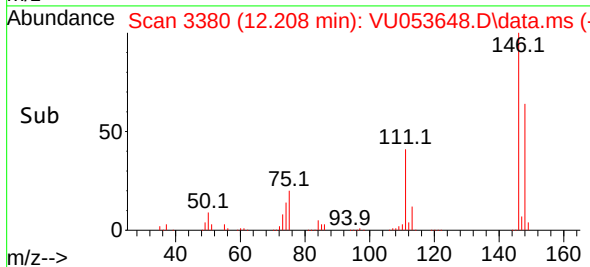
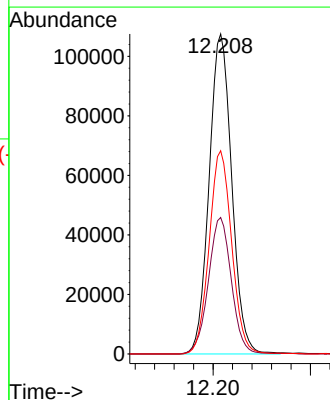
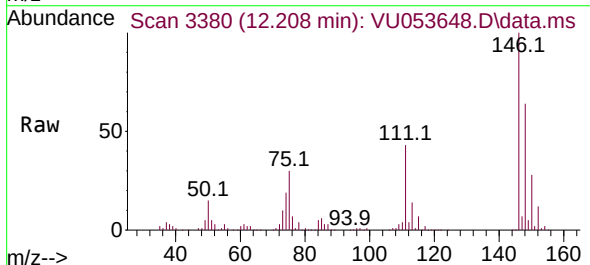
Instrument :
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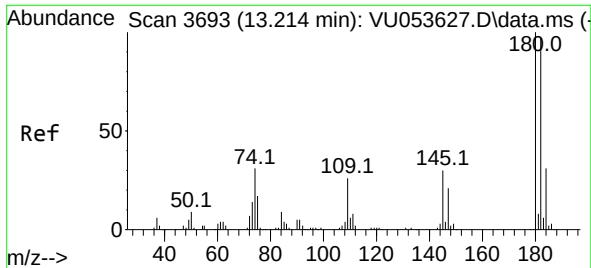
Tgt Ion:146 Resp: 300173
Ion Ratio Lower Upper
146 100
111 39.3 25.1 46.5
148 64.1 44.3 82.3



#67
1,2-Dichlorobenzene
Concen: 50.818 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU053648.D
Acq: 11 Apr 2023 20:20

Tgt Ion:146 Resp: 173324
Ion Ratio Lower Upper
146 100
111 42.7 31.5 47.3
148 63.5 51.6 77.4

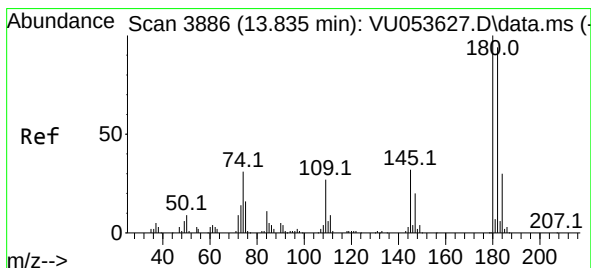
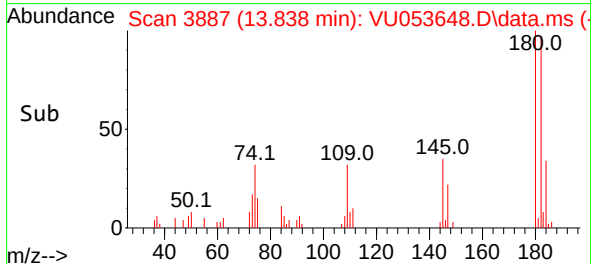
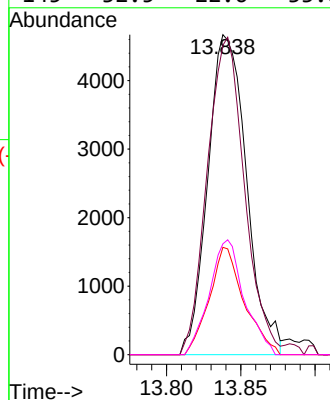
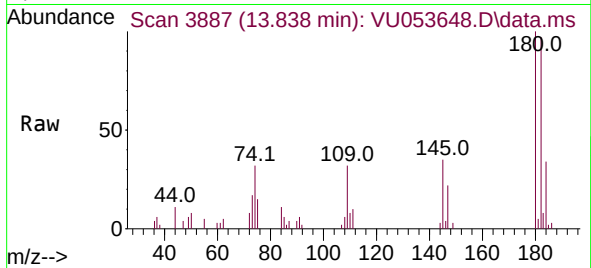




#69
1,3,5-Trichlorobenzene
Concen: 3.331 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.624 min
Lab File: VU053648.D
Acq: 11 Apr 2023 20:20

Instrument :
MSVOA_U
ClientSampleId :
COME4

Tgt Ion:180	Resp:	8441
Ion Ratio	Lower	Upper
180	100	
182	95.5	75.6 113.4
184	30.4	24.2 36.2
145	32.5	22.6 33.8



#70
1,2,4-trichlorobenzene
Concen: 3.593 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU053648.D
Acq: 11 Apr 2023 20:20

Tgt Ion:180	Resp:	8441
Ion Ratio	Lower	Upper
180	100	
182	95.5	75.8 113.8
145	32.5	23.4 35.2

