

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041023\
 Data File : VU053618.D
 Acq On : 10 Apr 2023 16:26
 Operator : JC/MD
 Sample : 02251-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMD3

Quant Time: Apr 11 02:23:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 11 02:19:45 2023
 Response via : Initial Calibration

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

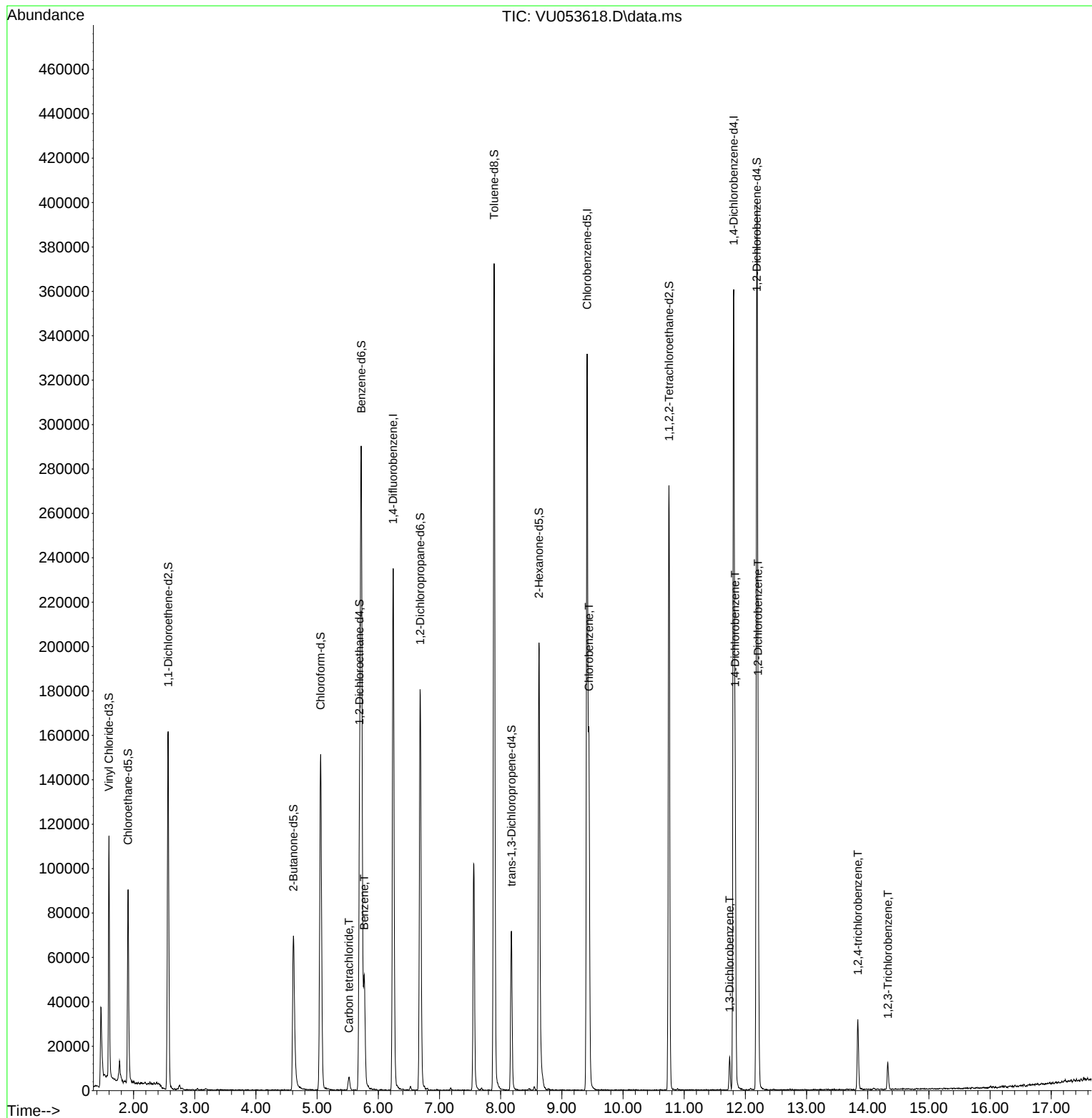
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	201577	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	188253	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	94861	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	79406	50.590	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.180%
7) Chloroethane-d5	1.909	69	68580	56.668	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.340%
11) 1,1-Dichloroethene-d2	2.565	63	94470	38.881	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.760%
21) 2-Butanone-d5	4.613	46	98775	138.993	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	138.990%#
24) Chloroform-d	5.057	84	137381	52.923	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.840%
26) 1,2-Dichloroethane-d4	5.694	65	87618	57.122	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.240%
32) Benzene-d6	5.723	84	279947	55.092	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.180%
36) 1,2-Dichloropropane-d6	6.684	67	89124	57.382	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.760%
41) Toluene-d8	7.893	98	258146	51.113	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.220%
43) trans-1,3-Dichloroprop...	8.176	79	42000	52.386	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.780%
47) 2-Hexanone-d5	8.626	63	72805	137.348	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	137.350%#
56) 1,1,2,2-Tetrachloroeth...	10.751	84	132269	60.421	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	120.840%#
66) 1,2-Dichlorobenzene-d4	12.189	152	102768	51.901	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.800%
Target Compounds						
					Qvalue	
31) Carbon tetrachloride	5.520	117	3955	2.128	ug/L	95
33) Benzene	5.771	78	51541	10.508	ug/L	100
51) Chlorobenzene	9.443	112	80256	20.956	ug/L	92
64) 1,3-Dichlorobenzene	11.745	146	6590	2.249	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	57380	19.211	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	36570	12.521	ug/L	91
70) 1,2,4-trichlorobenzene	13.838	180	10245	5.092	ug/L	95
72) 1,2,3-Trichlorobenzene	14.330	180	4611	2.294	ug/L	95

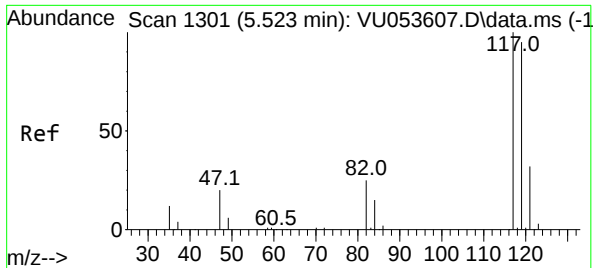
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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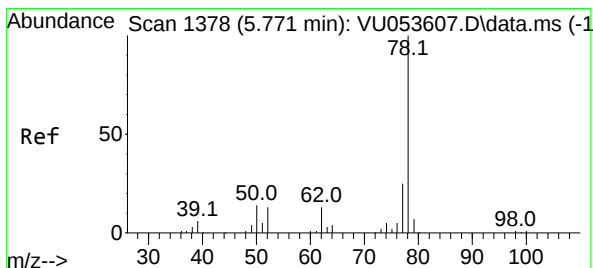
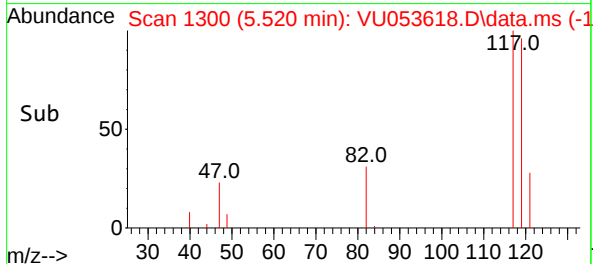
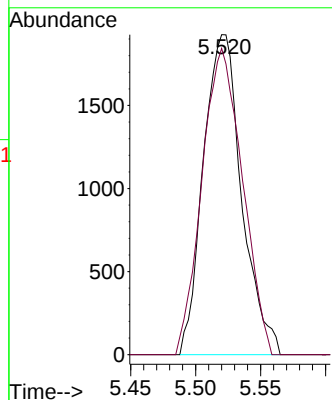
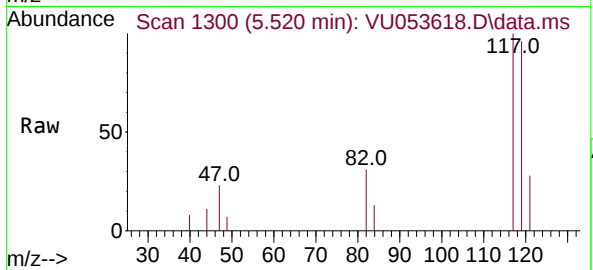




#31
Carbon tetrachloride
Concen: 2.128 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU053618.D
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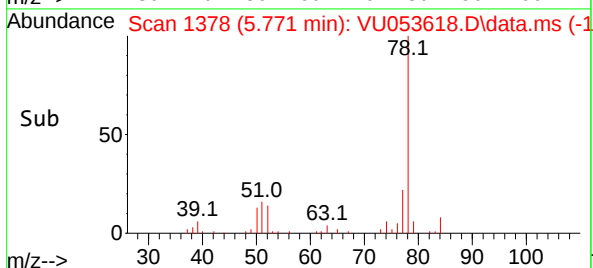
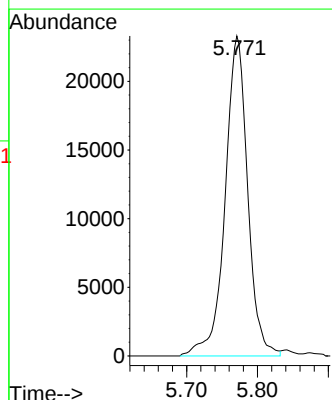
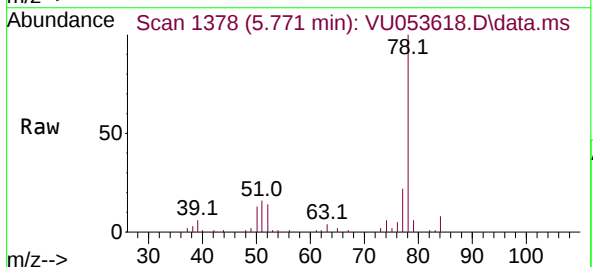
Instrument :
MSVOA_U
ClientSampleId :
COMD3

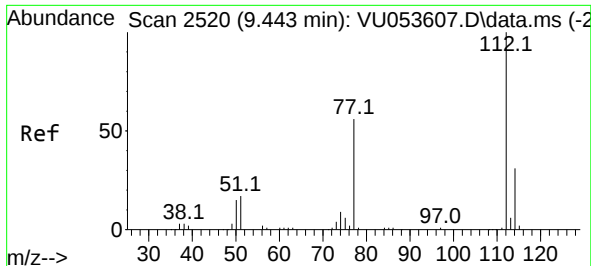
Tgt Ion:117 Resp: 3955
Ion Ratio Lower Upper
117 100
119 100.8 76.9 115.3



#33
Benzene
Concen: 10.508 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053618.D
Acq: 10 Apr 2023 16:26

Tgt Ion: 78 Resp: 51541

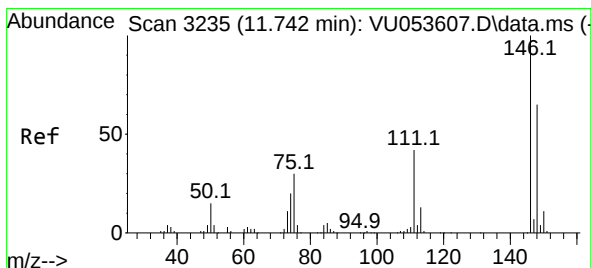
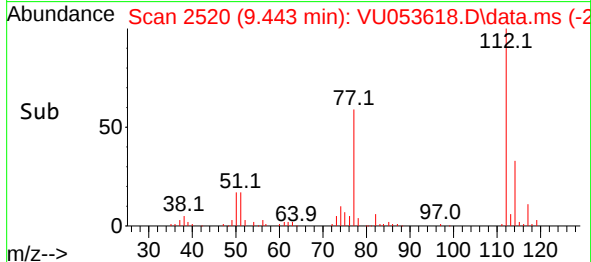
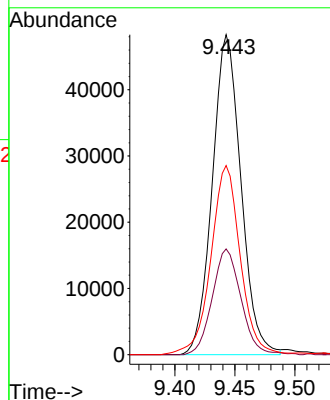
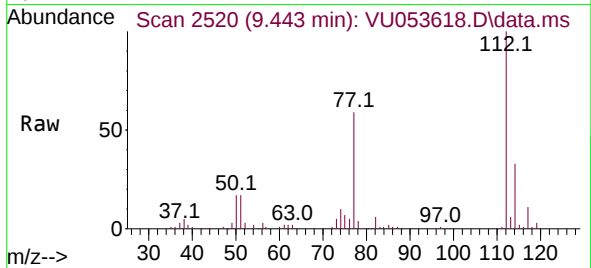




#51
Chlorobenzene
Concen: 20.956 ug/L
RT: 9.443 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053618.D
Acq: 10 Apr 2023 16:26

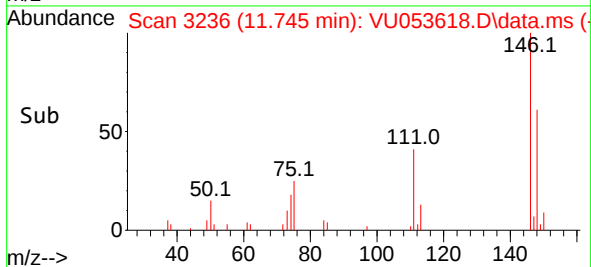
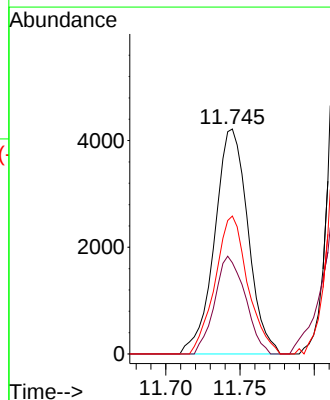
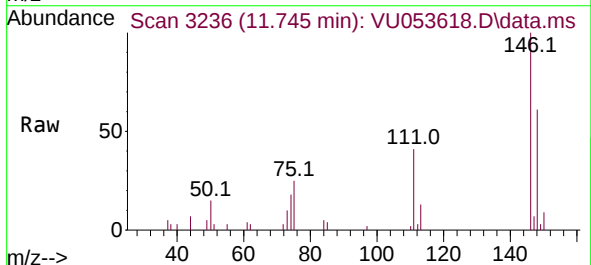
Instrument :
MSVOA_U
ClientSampleId :
COMD3

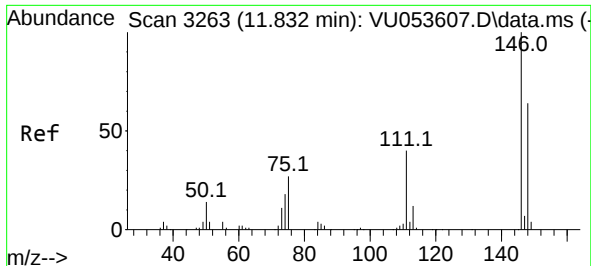
Tgt Ion:112 Resp: 80256
Ion Ratio Lower Upper
112 100
114 33.1 22.2 41.2
77 59.1 41.3 61.9



#64
1,3-Dichlorobenzene
Concen: 2.249 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU053618.D
Acq: 10 Apr 2023 16:26

Tgt Ion:146 Resp: 6590
Ion Ratio Lower Upper
146 100
111 40.6 25.7 47.7
148 61.3 44.2 82.2

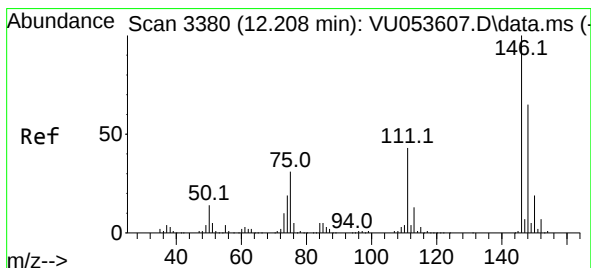
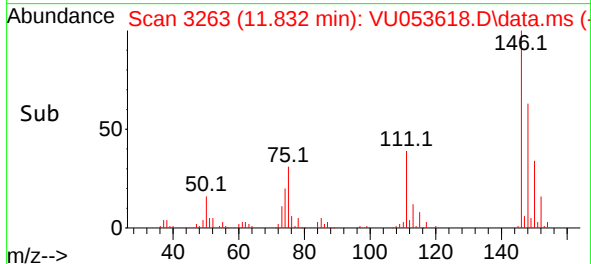
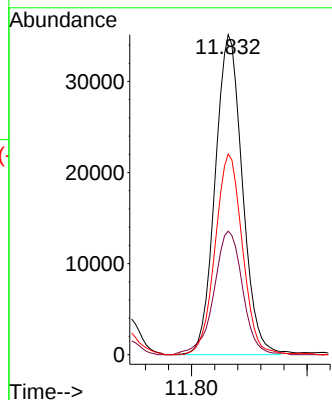
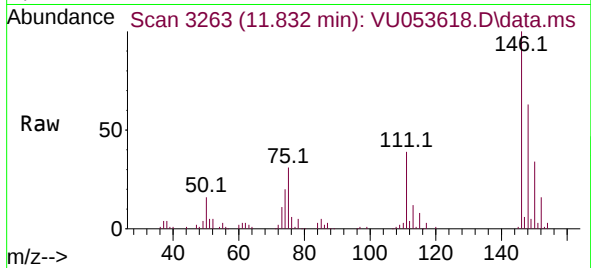




#65
 1,4-Dichlorobenzene
 Concen: 19.211 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. 0.000 min
 Lab File: VU053618.D
 Acq: 10 Apr 2023 16:26

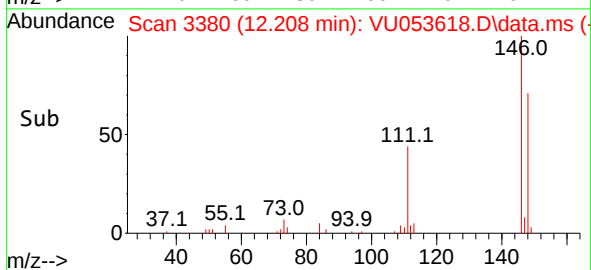
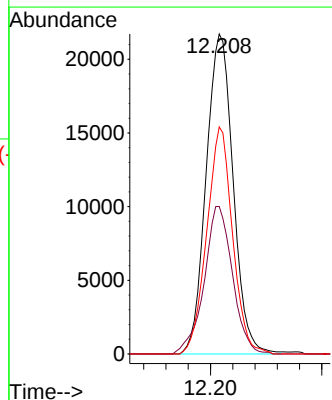
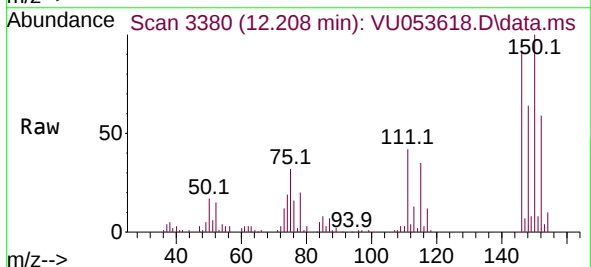
Instrument :
 MSVOA_U
 ClientSampleId :
 COMD3

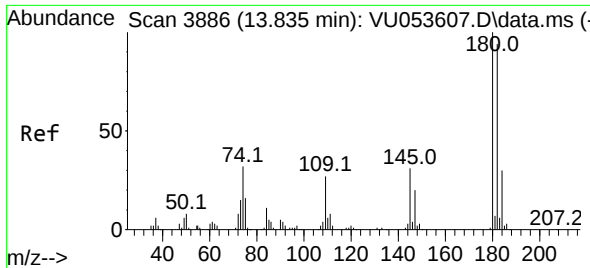
Tgt Ion:146 Resp: 57380
 Ion Ratio Lower Upper
 146 100
 111 38.6 25.1 46.5
 148 62.7 44.3 82.3



#67
 1,2-Dichlorobenzene
 Concen: 12.521 ug/L
 RT: 12.208 min Scan# 3380
 Delta R.T. 0.000 min
 Lab File: VU053618.D
 Acq: 10 Apr 2023 16:26

Tgt Ion:146 Resp: 36570
 Ion Ratio Lower Upper
 146 100
 111 46.1 31.5 47.3
 148 71.0 51.6 77.4

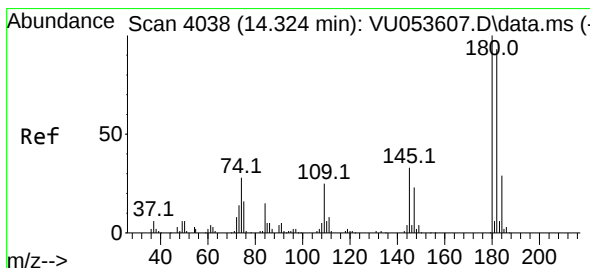
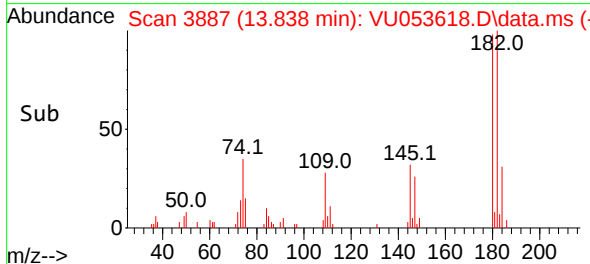
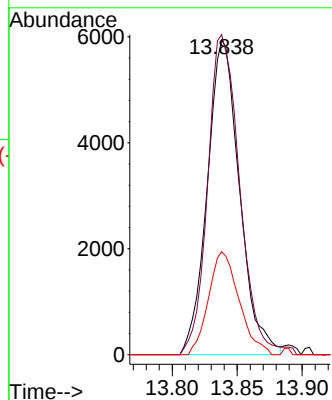
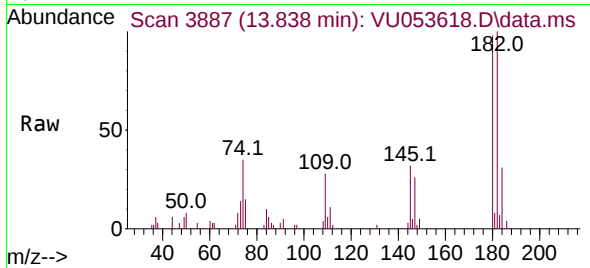




#70
1,2,4-trichlorobenzene
Concen: 5.092 ug/L
RT: 13.838 min Scan# 3886
Delta R.T. 0.003 min
Lab File: VU053618.D
Acq: 10 Apr 2023 16:26

Instrument :
MSVOA_U
ClientSampleId :
COMD3

Tgt Ion:180 Resp: 10245
Ion Ratio Lower Upper
180 100
182 100.1 75.8 113.8
145 31.0 23.4 35.2



#72
1,2,3-Trichlorobenzene
Concen: 2.294 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.006 min
Lab File: VU053618.D
Acq: 10 Apr 2023 16:26

Tgt Ion:180 Resp: 4611
Ion Ratio Lower Upper
180 100
182 90.4 77.0 115.6
145 32.2 25.4 38.0

