

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040423\
 Data File : VU053573.D
 Acq On : 04 Apr 2023 19:53
 Operator : JC/MD
 Sample : 02158-07DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 04 23:14:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

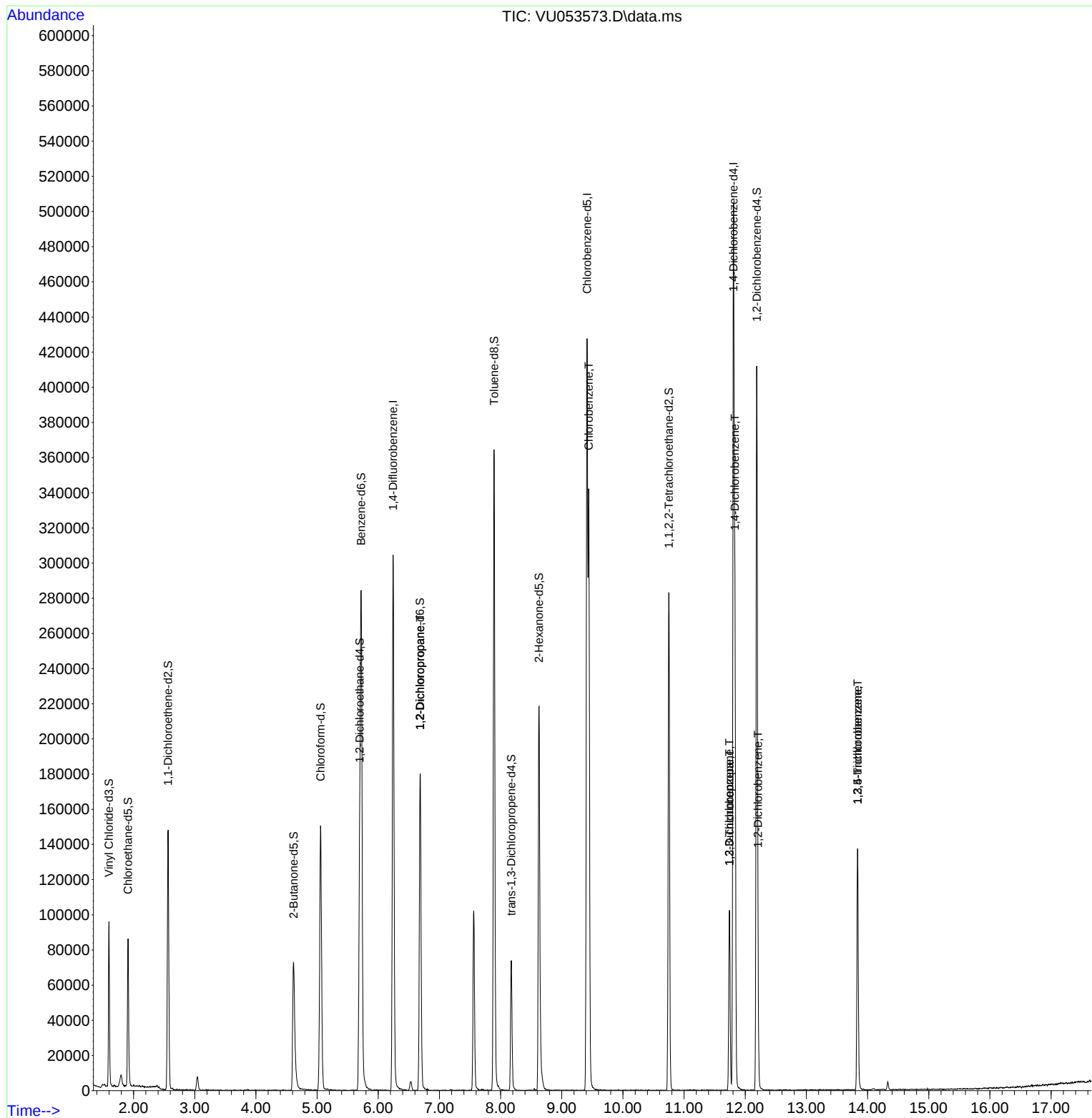
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	261203	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	242425	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	126457	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	67884	33.376	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	66.760%	
7) Chloroethane-d5	1.909	69	61589	39.274	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	78.540%	
11) 1,1-Dichloroethene-d2	2.565	63	85776	27.244	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	54.480%#	
21) 2-Butanone-d5	4.616	46	104232	113.190	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	113.190%	
24) Chloroform-d	5.057	84	138046	41.040	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	82.080%	
26) 1,2-Dichloroethane-d4	5.697	65	91804	46.188	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	92.380%	
32) Benzene-d6	5.719	84	272534	41.648	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	83.300%	
36) 1,2-Dichloropropane-d6	6.684	67	89221	44.608	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	89.220%	
41) Toluene-d8	7.893	98	253090	38.914	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	77.820%#	
43) trans-1,3-Dichloroprop...	8.176	79	42826	41.480	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	82.960%	
47) 2-Hexanone-d5	8.626	63	79060	115.820	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	115.820%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	137636	48.823	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	97.640%	
66) 1,2-Dichlorobenzene-d4	12.188	152	109843	41.613	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	83.220%	
Target Compounds						
					Qvalue	
37) 1,2-Dichloropropane	6.687	63	9432	5.881	ug/L #	86
51) Chlorobenzene	9.443	112	179509	36.399	ug/L	93
60) 1,2,3-Trichloropropane	11.742	75	12482	6.807	ug/L #	69
64) 1,3-Dichlorobenzene	11.742	146	43238	11.068	ug/L	95
65) 1,4-Dichlorobenzene	11.832	146	107270	26.941	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	12109	3.110	ug/L	88
69) 1,3,5-Trichlorobenzene	13.838	180	42815	14.800	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	42815	15.963	ug/L	99

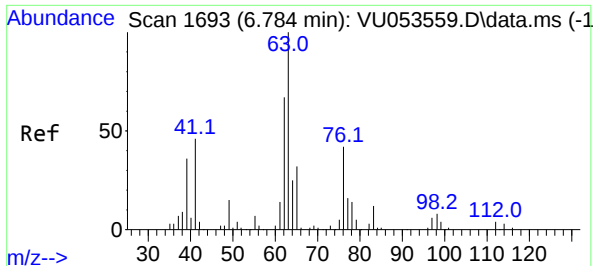
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Apr 01 04:51:17 2023
Response via : Initial Calibration

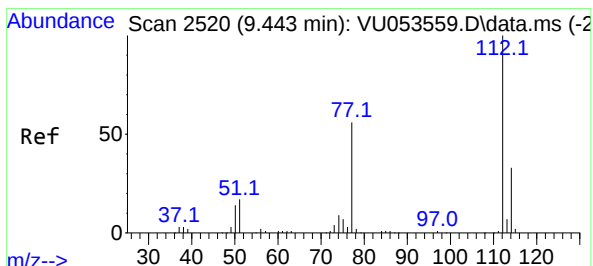
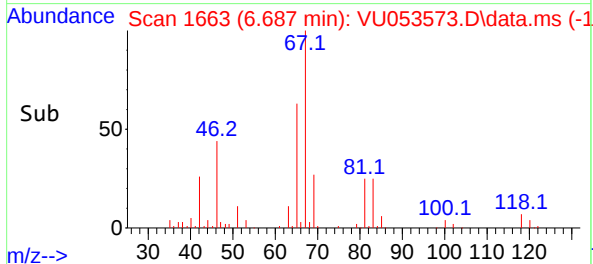
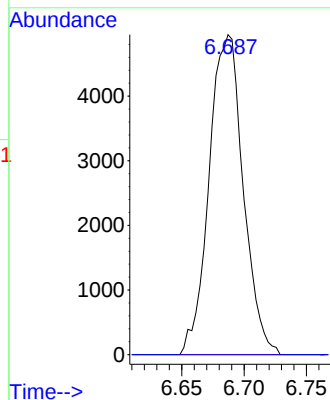
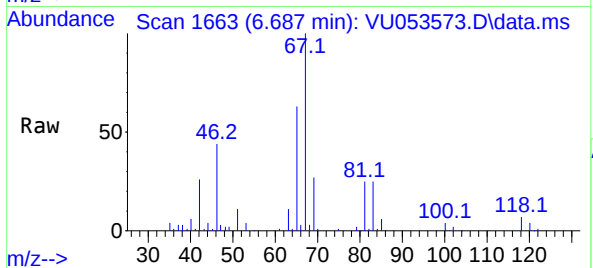




#37
1,2-Dichloropropane
Concen: 5.881 ug/L
RT: 6.687 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU053573.D
Acq: 04 Apr 2023 19:53

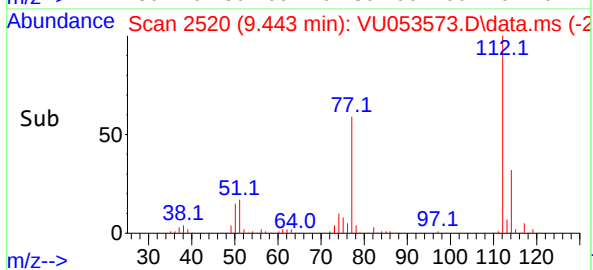
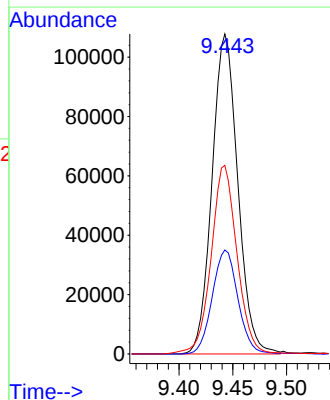
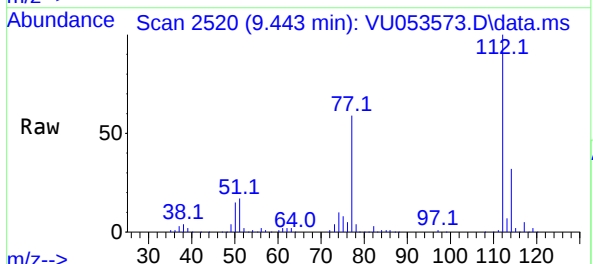
Instrument :
MSVOA_U
ClientSampleId :

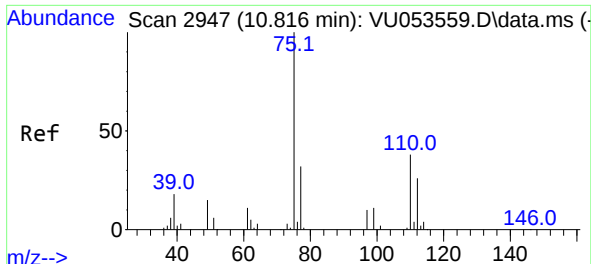
Tgt Ion: 63 Resp: 9432
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



#51
Chlorobenzene
Concen: 36.399 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053573.D
Acq: 04 Apr 2023 19:53

Tgt Ion: 112 Resp: 179509
Ion Ratio Lower Upper
112 100
114 32.5 22.2 41.2
77 58.9 41.3 61.9

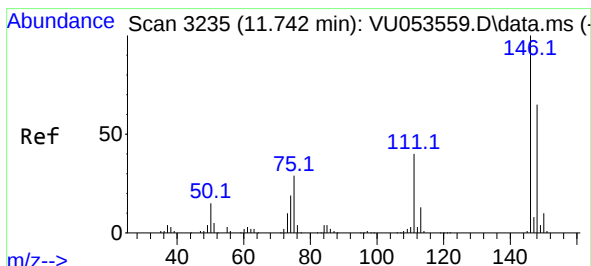
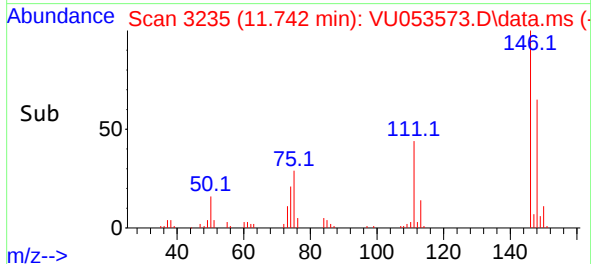
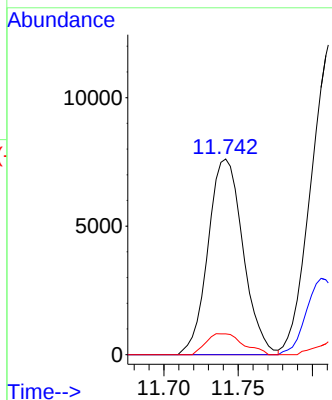
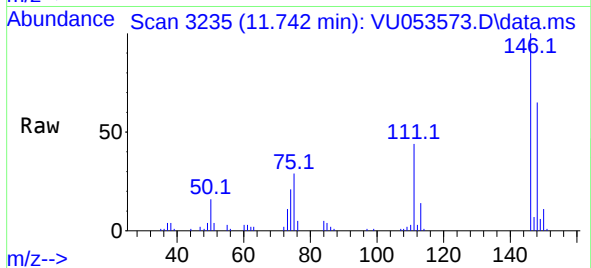




#60
1,2,3-Trichloropropane
Concen: 6.807 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.926 min
Lab File: VU053573.D
Acq: 04 Apr 2023 19:53

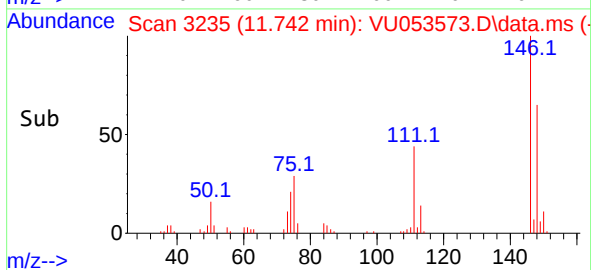
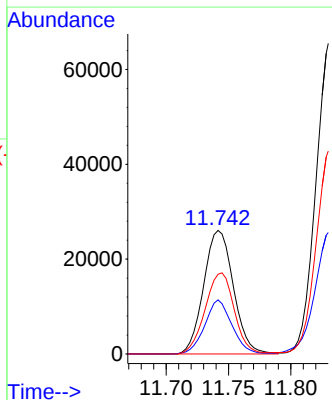
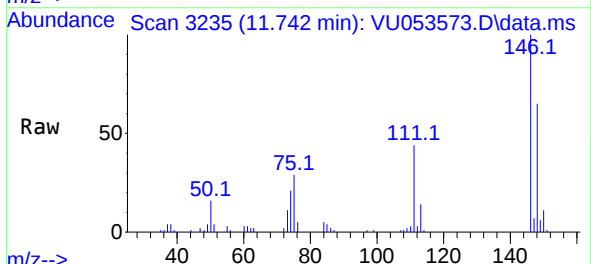
Instrument :
MSVOA_U
ClientSampleId :

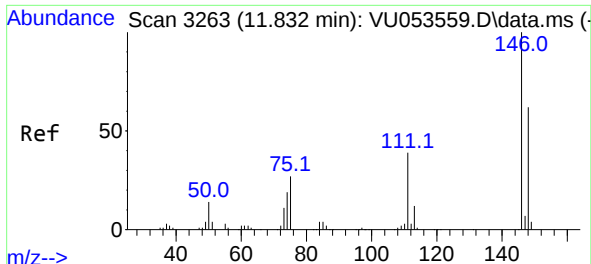
Tgt Ion: 75 Resp: 12482
Ion Ratio Lower Upper
75 100
77 38.6 26.0 39.0
110 11.3 32.6 48.8#



#64
1,3-Dichlorobenzene
Concen: 11.068 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053573.D
Acq: 04 Apr 2023 19:53

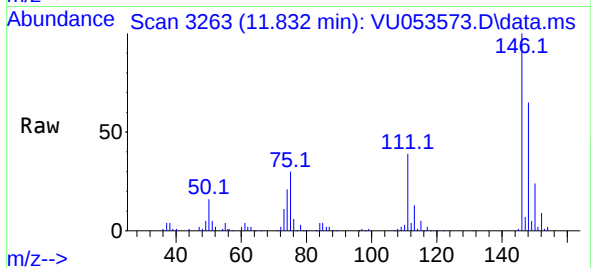
Tgt Ion:146 Resp: 43238
Ion Ratio Lower Upper
146 100
111 43.7 25.7 47.7
148 64.6 44.2 82.2



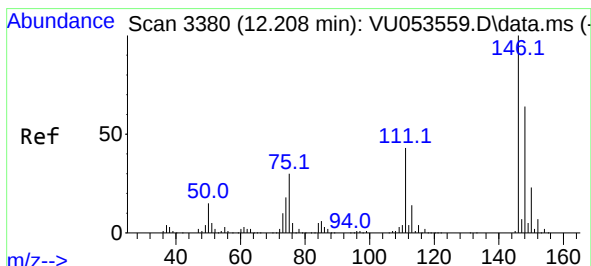
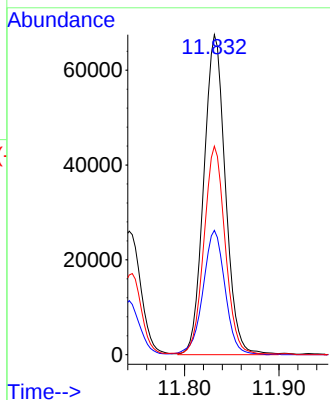
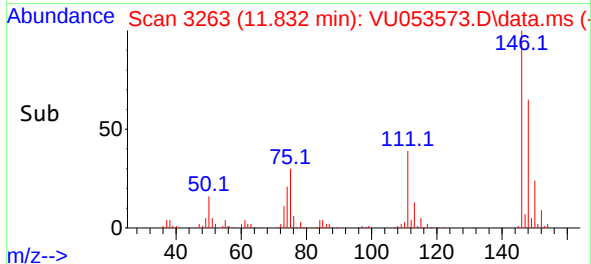


#65
1,4-Dichlorobenzene
Concen: 26.941 ug/L
RT: 11.832 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053573.D
Acq: 04 Apr 2023 19:53

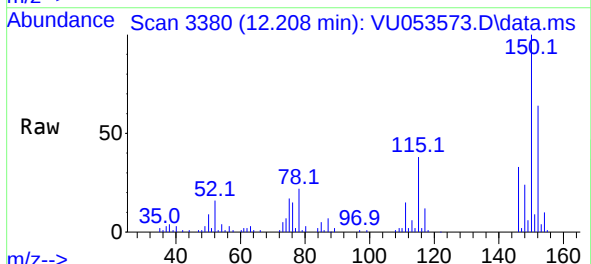
Instrument :
MSVOA_U
ClientSampleId :



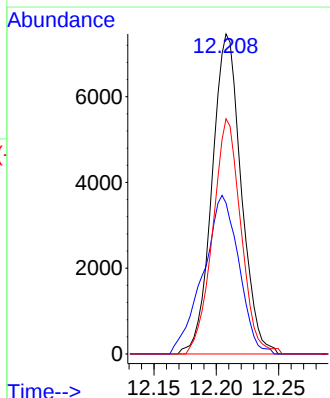
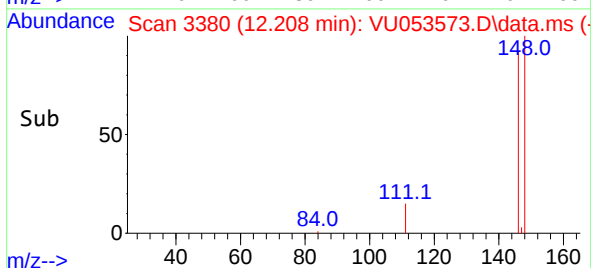
Tgt Ion:146 Resp: 107270
Ion Ratio Lower Upper
146 100
111 38.8 25.1 46.5
148 65.2 44.3 82.3

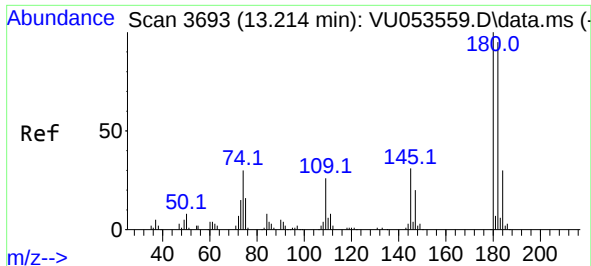


#67
1,2-Dichlorobenzene
Concen: 3.110 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU053573.D
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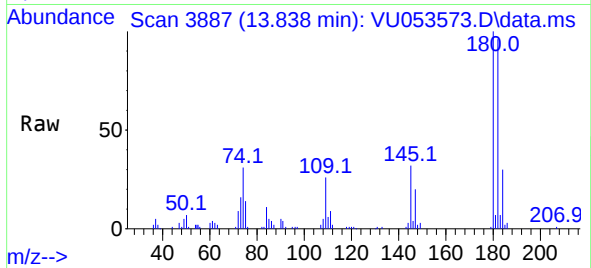
Tgt Ion:146 Resp: 12109
Ion Ratio Lower Upper
146 100
111 47.2 31.5 47.3
148 73.5 51.6 77.4





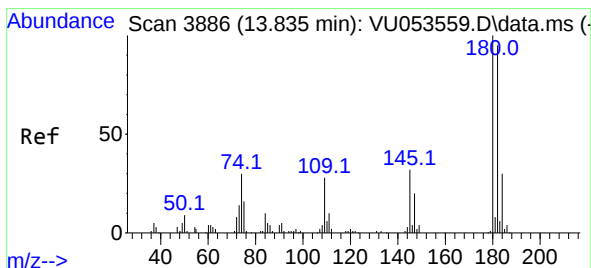
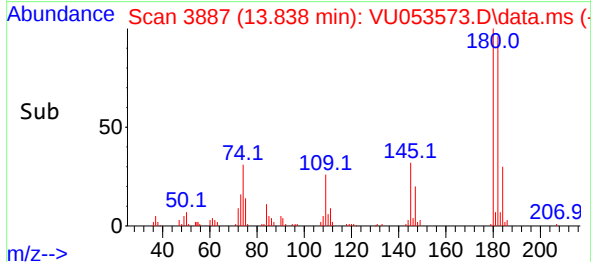
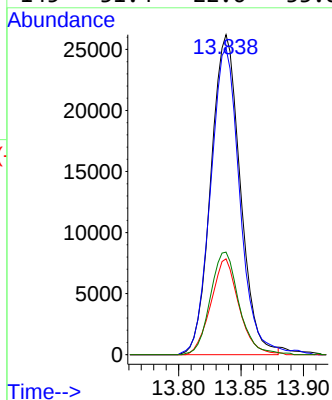
#69
 1,3,5-Trichlorobenzene
 Concen: 14.800 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.624 min
 Lab File: VU053573.D
 Acq: 04 Apr 2023 19:53

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 42815

Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.6	113.4
184	28.7	24.2	36.2
145	31.4	22.6	33.8



#70
 1,2,4-trichlorobenzene
 Concen: 15.963 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU053573.D
 Acq: 04 Apr 2023 19:53

Tgt Ion:180 Resp: 42815

Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.8	113.8
145	31.4	23.4	35.2

