

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020823\
 Data File : VU053006.D
 Acq On : 08 Feb 2023 17:59
 Operator : JC/MD
 Sample : 01412-02DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44L9DL

Quant Time: Feb 09 01:49:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 09 01:09:47 2023
 Response via : Initial Calibration

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

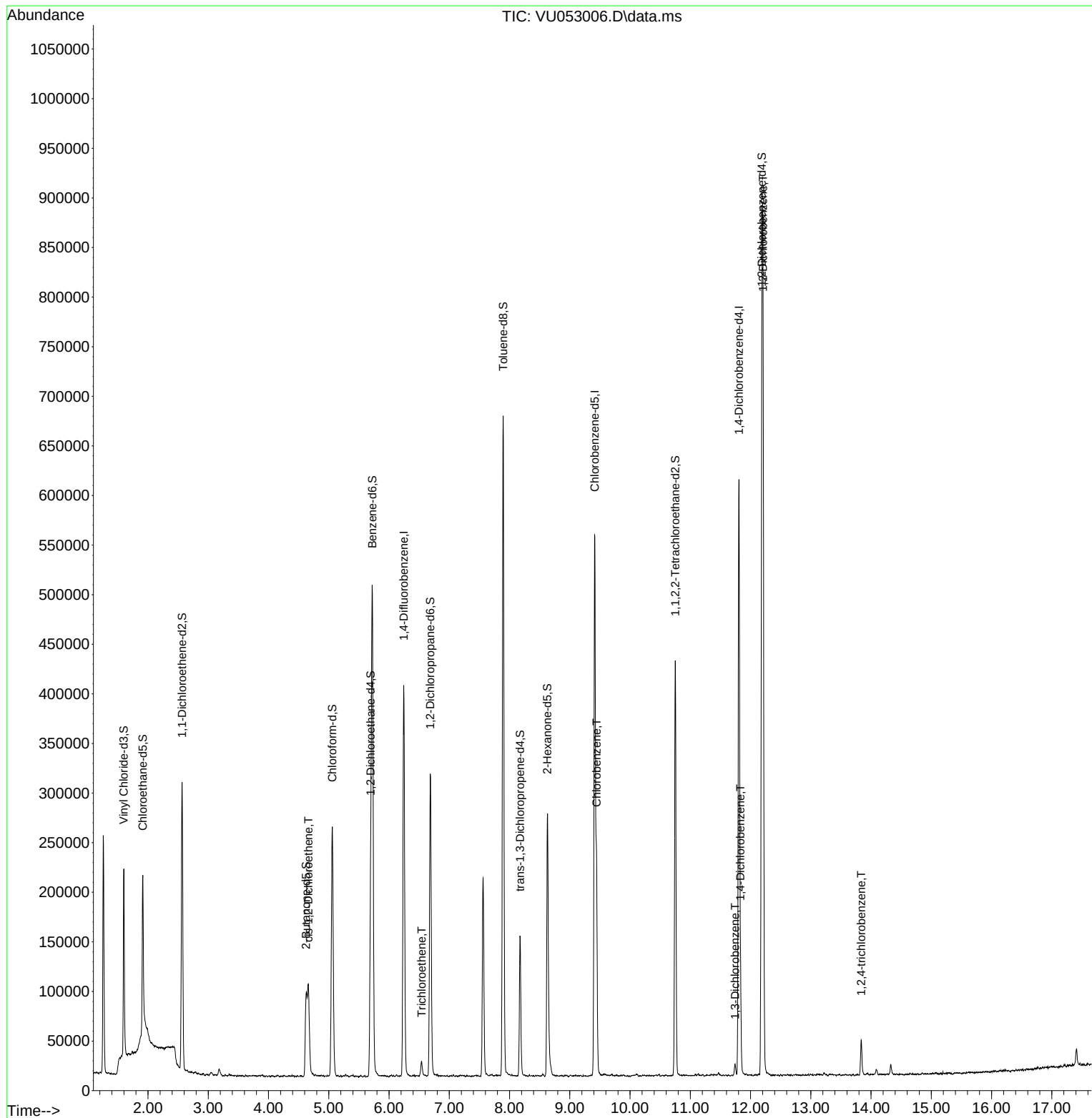
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	341534	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	315900	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	165204	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	136019	42.867	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.740%		
7) Chloroethane-d5	1.913	69	119055	46.384	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.760%		
11) 1,1-Dichloroethene-d2	2.566	63	163584	33.643	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.280%		
21) 2-Butanone-d5	4.624	46	114476	93.019	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.020%		
24) Chloroform-d	5.058	84	232063	44.232	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.460%		
26) 1,2-Dichloroethane-d4	5.695	65	142361	45.399	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.800%		
32) Benzene-d6	5.724	84	489832	46.736	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.480%		
36) 1,2-Dichloropropane-d6	6.685	67	149946	46.369	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.740%		
41) Toluene-d8	7.894	98	468708	45.641	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.280%		
43) trans-1,3-Dichloroprop...	8.174	79	82451	46.523	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.040%		
47) 2-Hexanone-d5	8.627	63	98251	100.053	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.050%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	207823	46.424	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.840%		
66) 1,2-Dichlorobenzene-d4	12.186	152	177235	48.205	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.420%		
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	4.663	96	40771	15.080	ug/L	# 92
34) Trichloroethene	6.540	95	4774	1.813	ug/L	95
51) Chlorobenzene	9.444	112	122477	17.347	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	4751	0.927	ug/L	95
65) 1,4-Dichlorobenzene	11.833	146	41051	7.965	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	287811	55.946	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	11182	3.152	ug/L	97

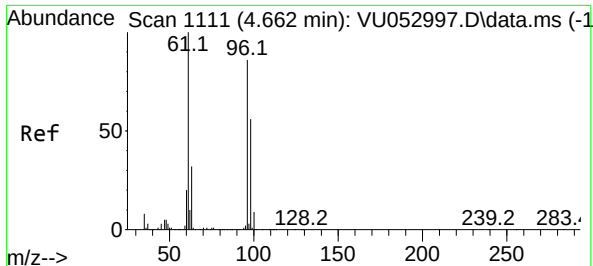
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration

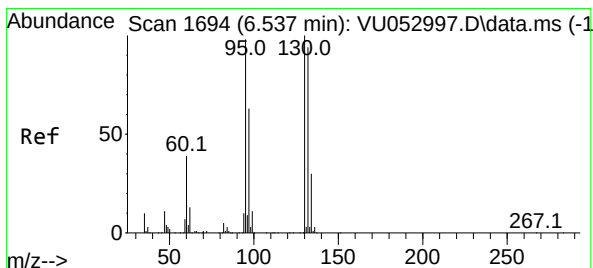
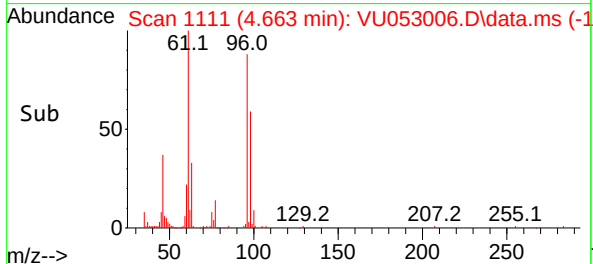
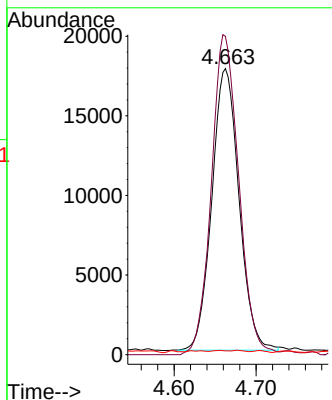
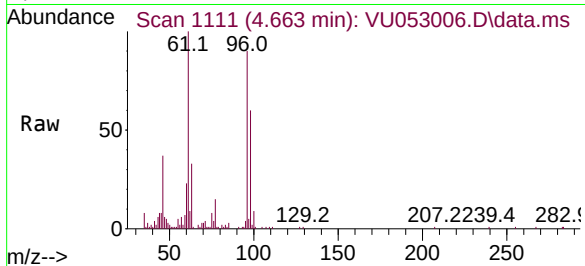




#20
 cis-1,2-Dichloroethene
 Concen: 15.080 ug/L
 RT: 4.663 min Scan# 1111
 Delta R.T. 0.000 min
 Lab File: VU053006.D
 Acq: 08 Feb 2023 17:59

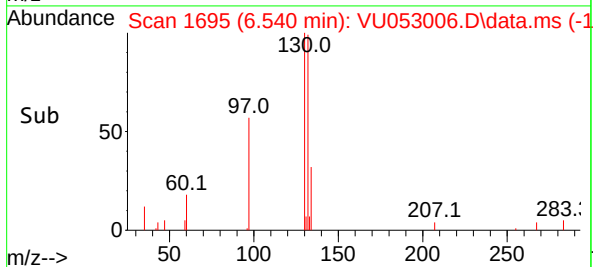
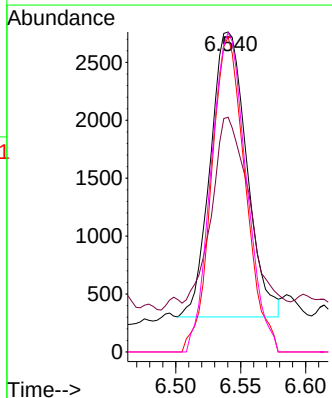
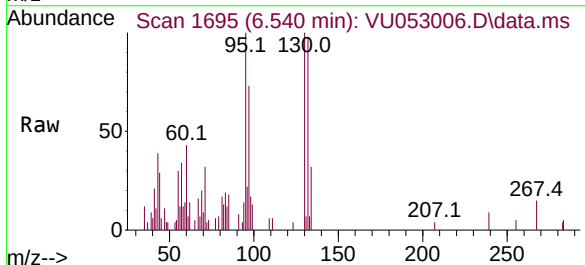
Instrument :
 MSVOA_U
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 A44L9DL

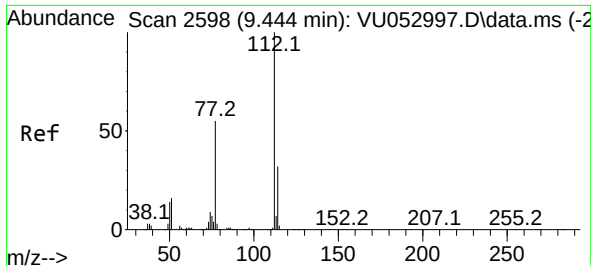
Tgt Ion: 96 Resp: 40771
 Ion Ratio Lower Upper
 96 100
 61 111.3 84.1 156.1
 68 1.4 0.0 0.0#



#34
 Trichloroethene
 Concen: 1.813 ug/L
 RT: 6.540 min Scan# 1695
 Delta R.T. 0.003 min
 Lab File: VU053006.D
 Acq: 08 Feb 2023 17:59

Tgt Ion: 95 Resp: 4774
 Ion Ratio Lower Upper
 95 100
 97 73.4 44.5 82.7
 132 98.4 66.8 124.0
 130 99.7 71.9 133.5

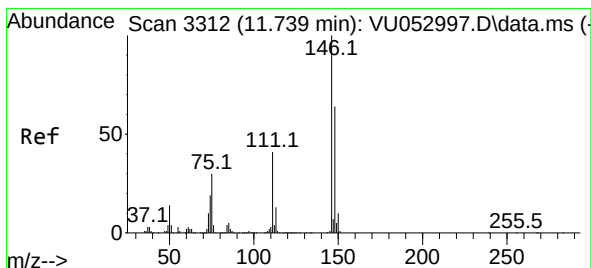
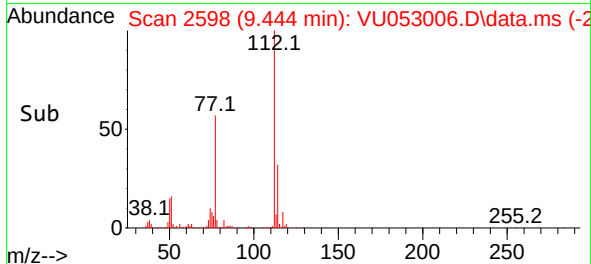
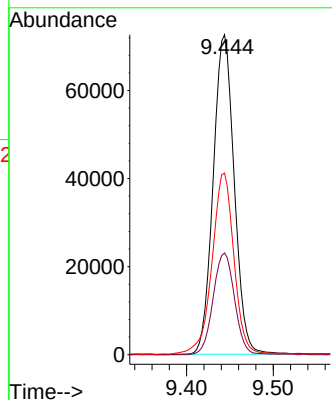
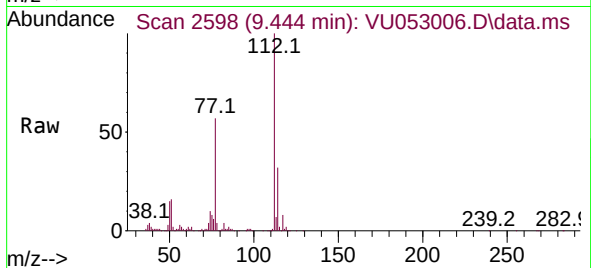




#51
Chlorobenzene
Concen: 17.347 ug/L
RT: 9.444 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053006.D
Acq: 08 Feb 2023 17:59

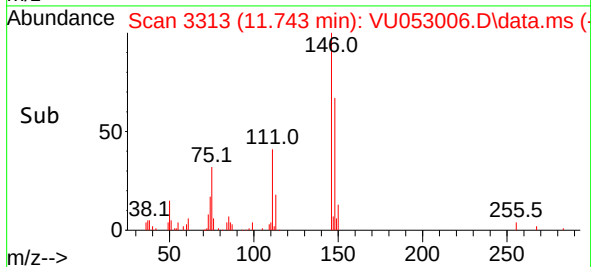
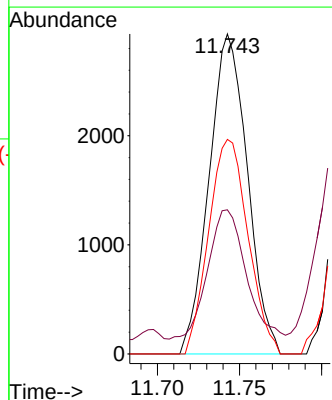
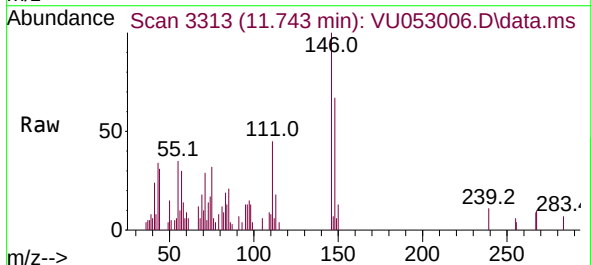
Instrument :
MSVOA_U
ClientSampleId :
A44L9DL

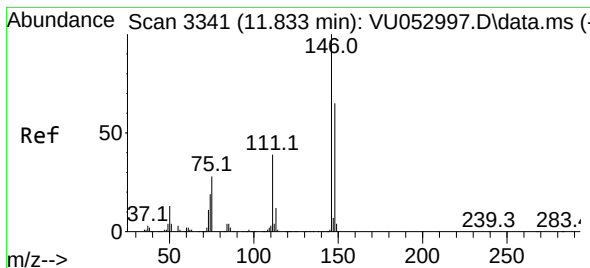
Tgt Ion:112 Resp: 122477
Ion Ratio Lower Upper
112 100
114 31.8 22.8 42.4
77 56.8 45.9 68.9



#64
1,3-Dichlorobenzene
Concen: 0.927 ug/L
RT: 11.743 min Scan# 3313
Delta R.T. 0.003 min
Lab File: VU053006.D
Acq: 08 Feb 2023 17:59

Tgt Ion:146 Resp: 4751
Ion Ratio Lower Upper
146 100
111 45.1 27.8 51.6
148 67.0 45.5 84.5





#65

1,4-Dichlorobenzene

Concen: 7.965 ug/L

RT: 11.833 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053006.D

Acq: 08 Feb 2023 17:59

Instrument :

MSVOA_U

ClientSampleId :

A44L9DL

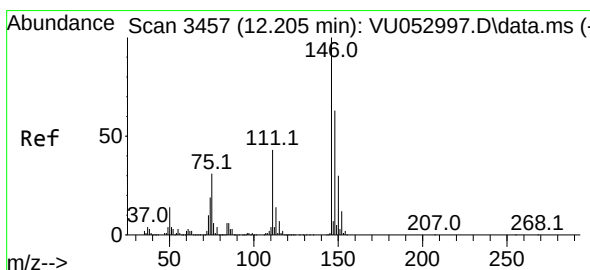
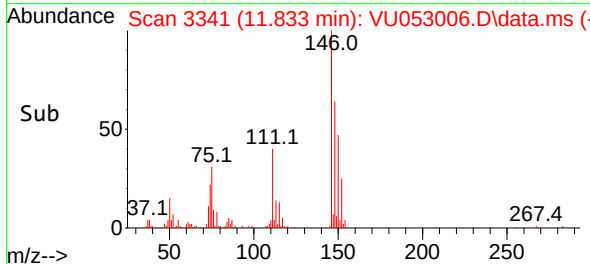
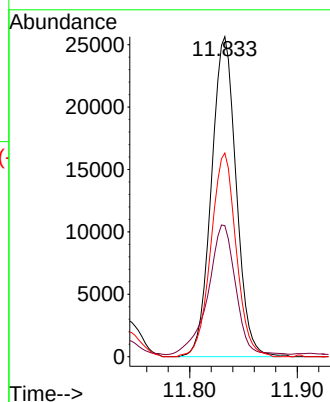
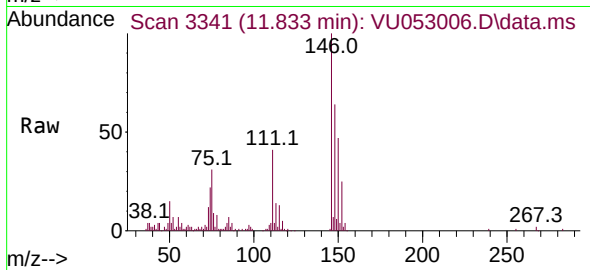
Tgt Ion:146 Resp: 41051

Ion Ratio Lower Upper

146 100

111 40.9 26.7 49.7

148 63.7 45.6 84.6



#67

1,2-Dichlorobenzene

Concen: 55.946 ug/L

RT: 12.206 min Scan# 3457

Delta R.T. 0.000 min

Lab File: VU053006.D

Acq: 08 Feb 2023 17:59

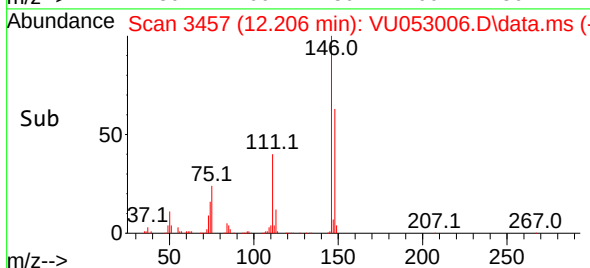
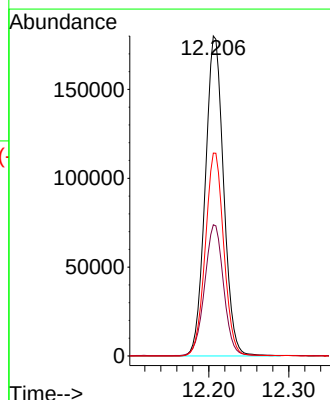
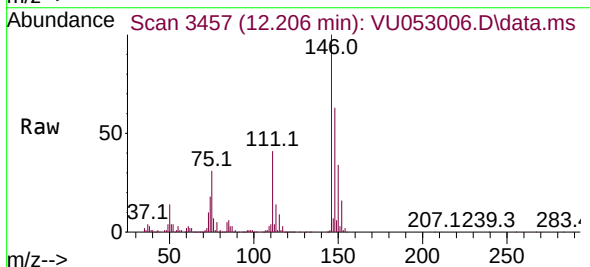
Tgt Ion:146 Resp: 287811

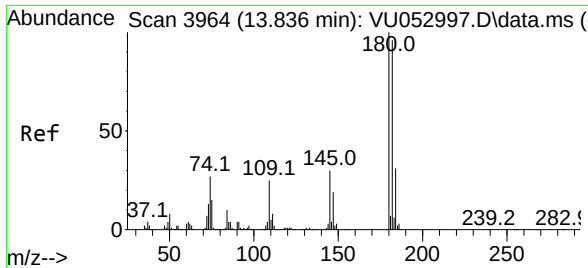
Ion Ratio Lower Upper

146 100

111 41.0 33.2 49.8

148 63.4 50.2 75.4





#70
 1,2,4-trichlorobenzene
 Concen: 3.152 ug/L
 RT: 13.836 min Scan# 3964
 Delta R.T. 0.000 min
 Lab File: VU053006.D
 Acq: 08 Feb 2023 17:59

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Tgt Ion:	180	Resp:	11182
Ion	Ratio	Lower	Upper
180	100		
182	95.8	78.2	117.2
145	32.7	23.4	35.2

