

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041123\
 Data File : VU053637.D
 Acq On : 11 Apr 2023 16:01
 Operator : JC/MD
 Sample : 02251-08DL 200X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMC6DL

Quant Time: Apr 12 02:25:23 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)

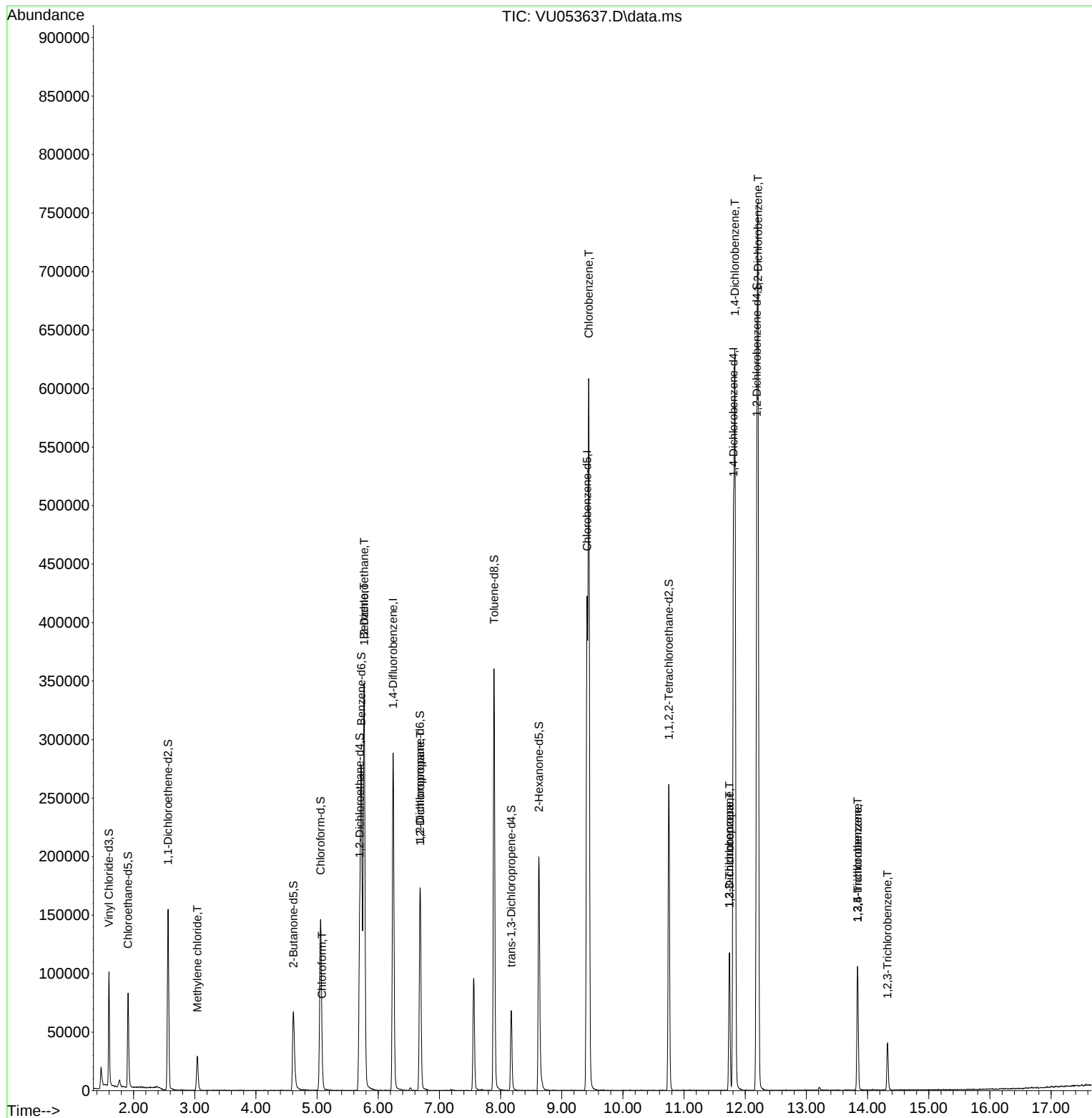
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	247432	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	233697	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	121859	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	68497	35.552	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	71.100%		
7) Chloroethane-d5	1.909	69	63418	42.691	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.380%		
11) 1,1-Dichloroethene-d2	2.565	63	85918	28.808	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	57.620%#		
21) 2-Butanone-d5	4.613	46	94436	108.260	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	108.260%		
24) Chloroform-d	5.057	84	133036	41.752	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.500%		
26) 1,2-Dichloroethane-d4	5.697	65	87103	46.262	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.520%		
32) Benzene-d6	5.723	84	272486	43.196	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.400%		
36) 1,2-Dichloropropane-d6	6.684	67	86017	44.612	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.220%		
41) Toluene-d8	7.893	98	248868	39.694	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.380%#		
43) trans-1,3-Dichloroprop...	8.176	79	40794	40.988	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.980%		
47) 2-Hexanone-d5	8.626	63	70685	107.418	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	107.420%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	128601	47.322	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.640%		
66) 1,2-Dichlorobenzene-d4	12.189	152	106609	41.912	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.820%		
Target Compounds						Qvalue
16) Methylene chloride	3.041	84	15706	9.204	ug/L	95
25) Chloroform	5.083	83	6655	2.296	ug/L	79
27) 1,2-Dichloroethane	5.771	62	3000	1.413	ug/L #	72
33) Benzene	5.768	78	345175	56.690	ug/L	100
37) 1,2-Dichloropropane	6.687	63	9005	5.825	ug/L #	86
51) Chlorobenzene	9.443	112	335501	70.569	ug/L	95
60) 1,2,3-Trichloropropane	11.742	75	14773	8.361	ug/L #	48
64) 1,3-Dichlorobenzene	11.742	146	48783	12.958	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	246719	64.302	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	274133	73.063	ug/L	99
69) 1,3,5-Trichlorobenzene	13.838	180	34155	12.252	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	34155	13.214	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	12986	5.030	ug/L	98

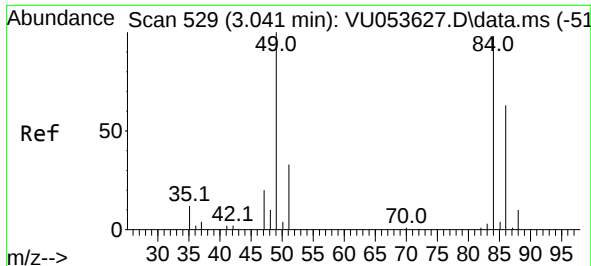
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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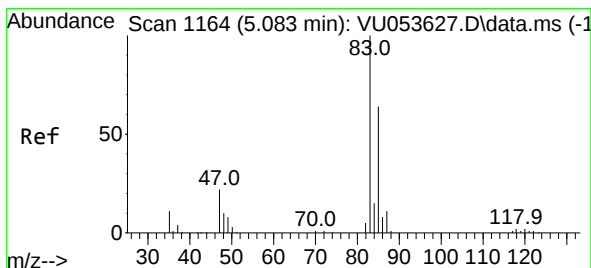
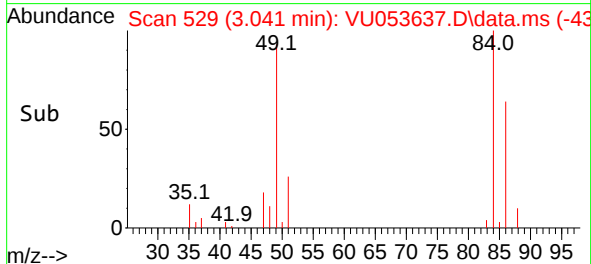
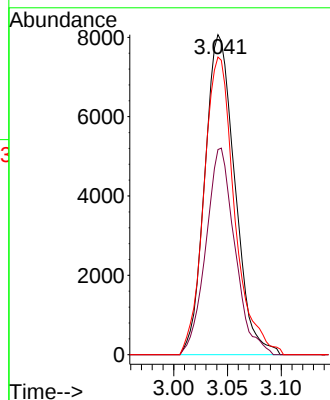
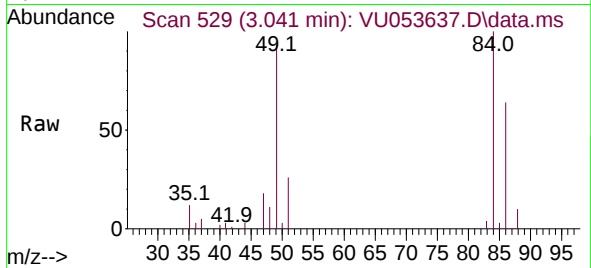




#16
Methylene chloride
Concen: 9.204 ug/L
RT: 3.041 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU053637.D
Acq: 11 Apr 2023 16:01

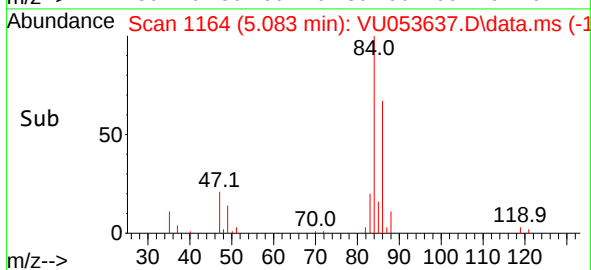
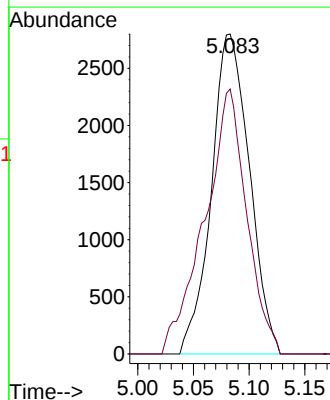
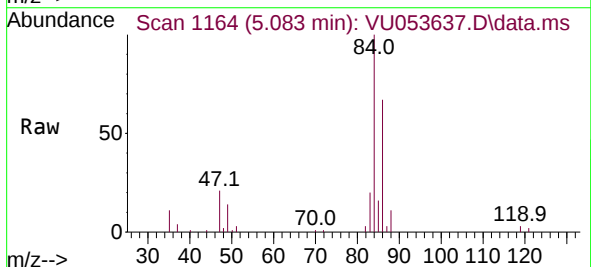
Instrument :
MSVOA_U
ClientSampleId :
COMC6DL

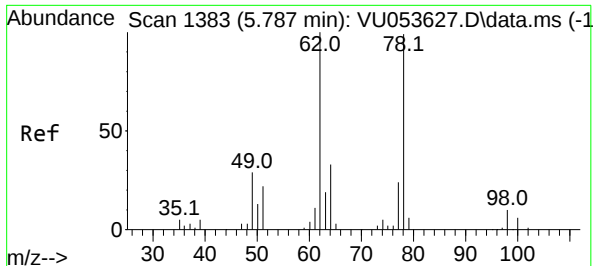
Tgt Ion: 84 Resp: 15706
Ion Ratio Lower Upper
84 100
86 64.1 43.5 80.9
49 93.0 69.7 129.5



#25
Chloroform
Concen: 2.296 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU053637.D
Acq: 11 Apr 2023 16:01

Tgt Ion: 83 Resp: 6655
Ion Ratio Lower Upper
83 100
85 82.8 46.1 85.5





#27

1,2-Dichloroethane

Concen: 1.413 ug/L

RT: 5.771 min Scan# 11

Delta R.T. -0.016 min

Lab File: VU053637.D

Acq: 11 Apr 2023 16:01

Instrument :

MSVOA_U

ClientSampleId :

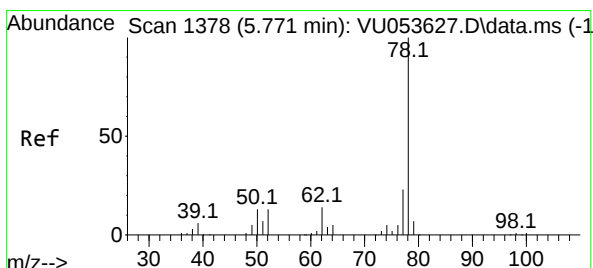
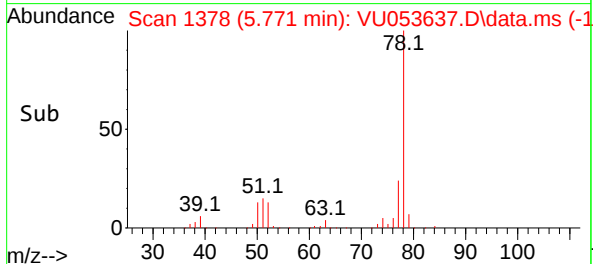
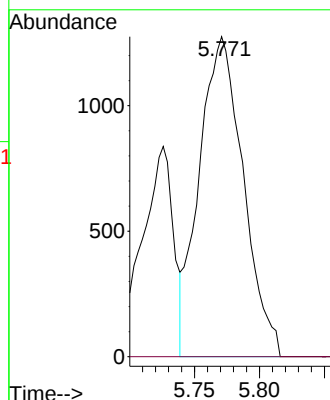
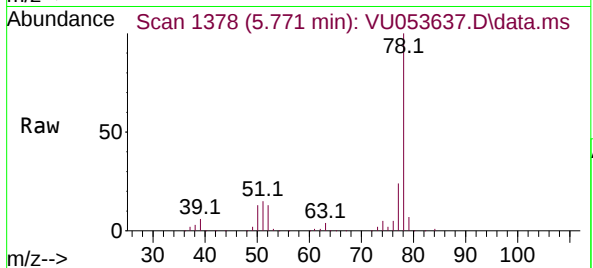
C0MC6DL

Tgt Ion: 62 Resp: 3000

Ion Ratio Lower Upper

62 100

98 0.0 8.3 12.5#



#33

Benzene

Concen: 56.690 ug/L

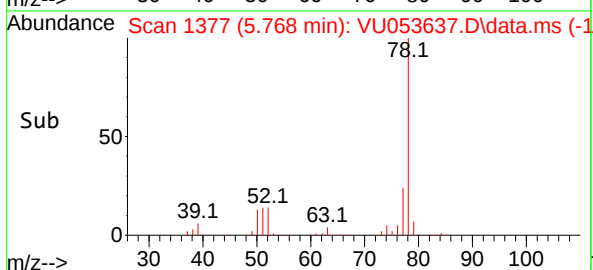
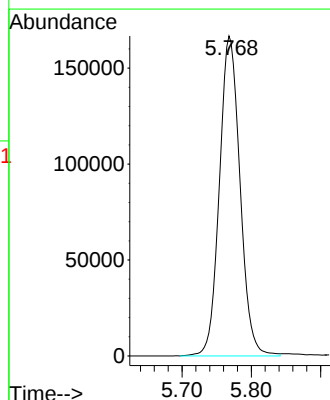
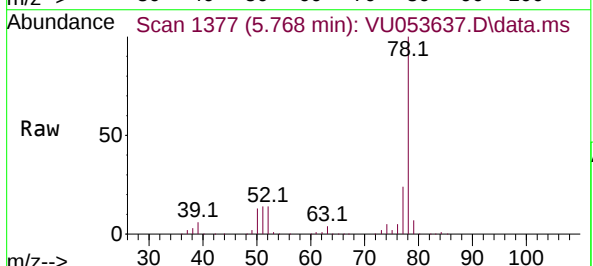
RT: 5.768 min Scan# 1377

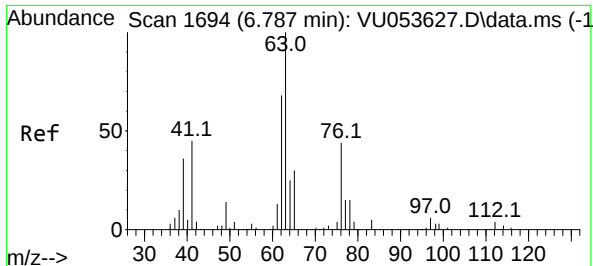
Delta R.T. -0.003 min

Lab File: VU053637.D

Acq: 11 Apr 2023 16:01

Tgt Ion: 78 Resp: 345175

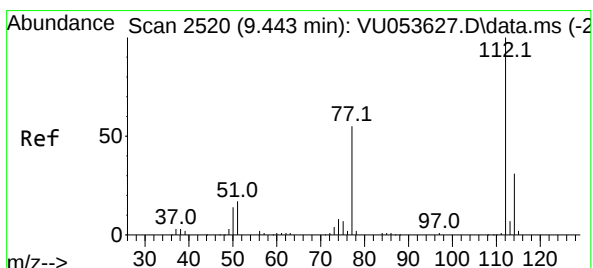
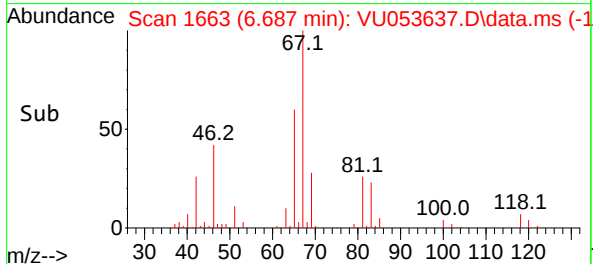
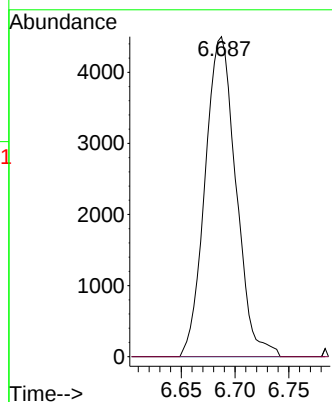
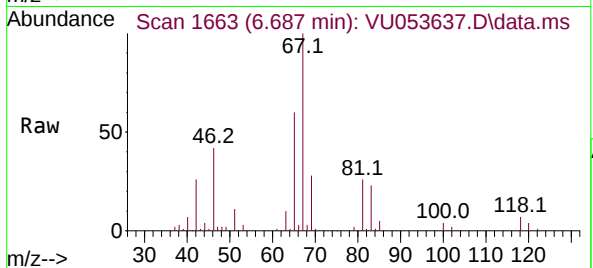




#37
1,2-Dichloropropane
Concen: 5.825 ug/L
RT: 6.687 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU053637.D
Acq: 11 Apr 2023 16:01

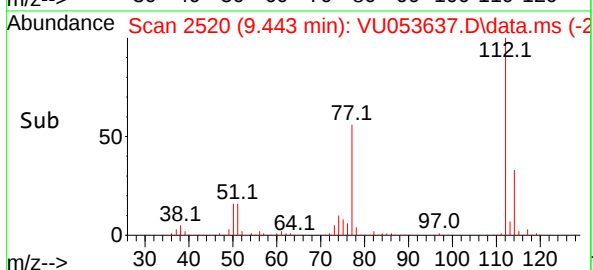
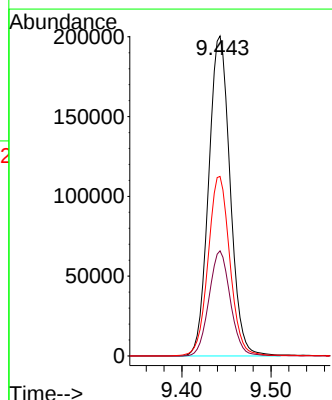
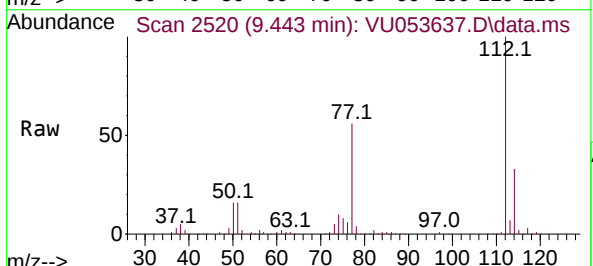
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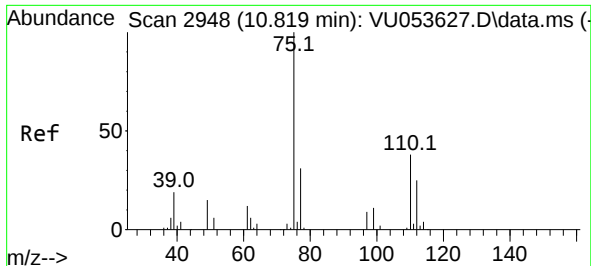
Tgt Ion: 63 Resp: 9005
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



#51
Chlorobenzene
Concen: 70.569 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053637.D
Acq: 11 Apr 2023 16:01

Tgt Ion: 112 Resp: 335501
Ion Ratio Lower Upper
112 100
114 32.8 22.2 41.2
77 56.1 41.3 61.9

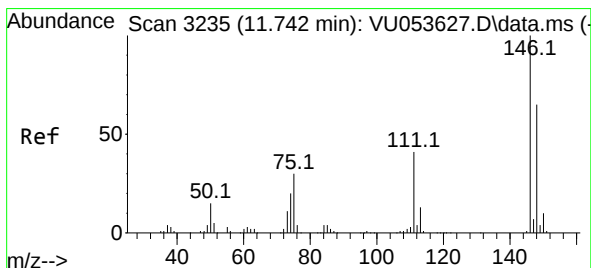
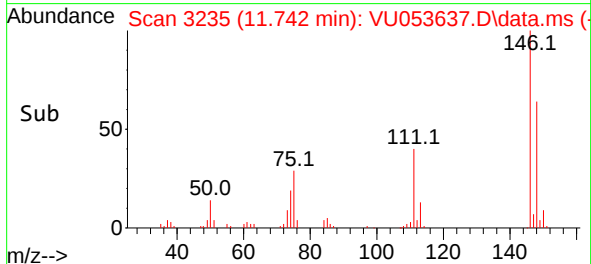
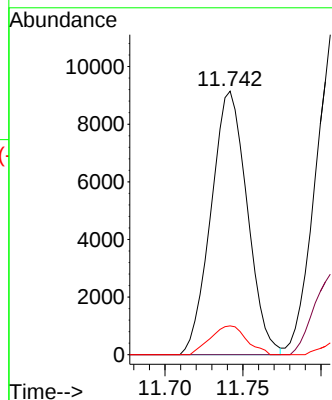
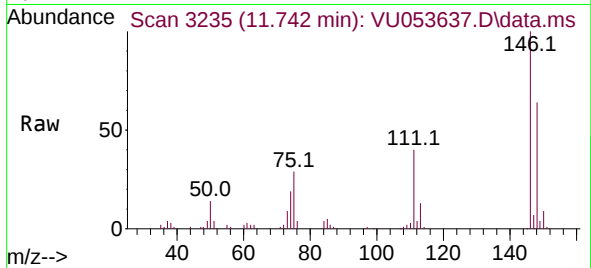




#60
1,2,3-Trichloropropane
Concen: 8.361 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.923 min
Lab File: VU053637.D
Acq: 11 Apr 2023 16:01

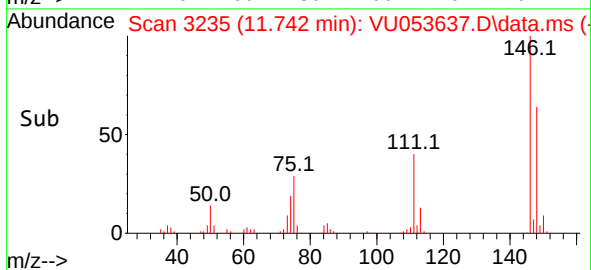
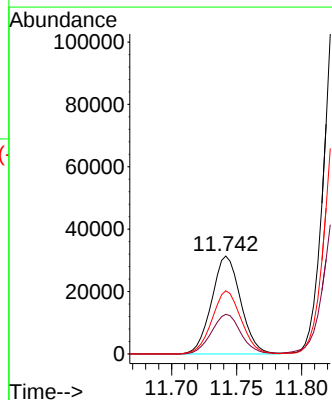
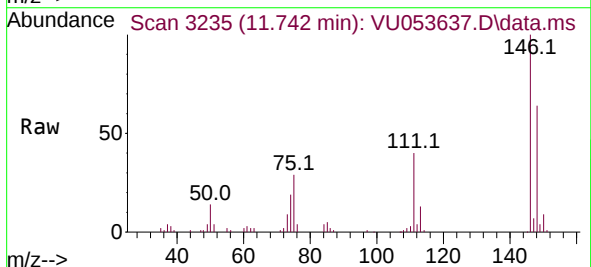
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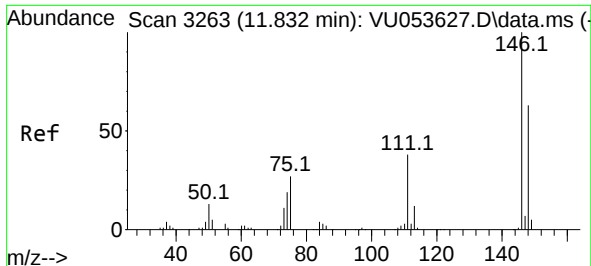
Tgt Ion: 75 Resp: 14773
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#
110 10.9 32.6 48.8#



#64
1,3-Dichlorobenzene
Concen: 12.958 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053637.D
Acq: 11 Apr 2023 16:01

Tgt Ion:146 Resp: 48783
Ion Ratio Lower Upper
146 100
111 40.5 25.7 47.7
148 64.5 44.2 82.2

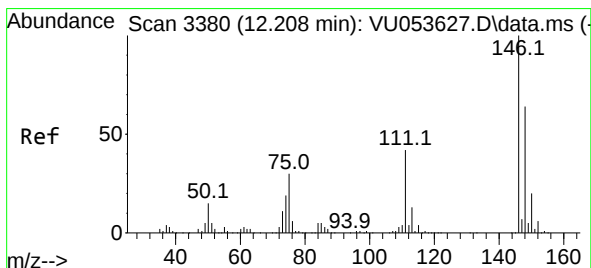
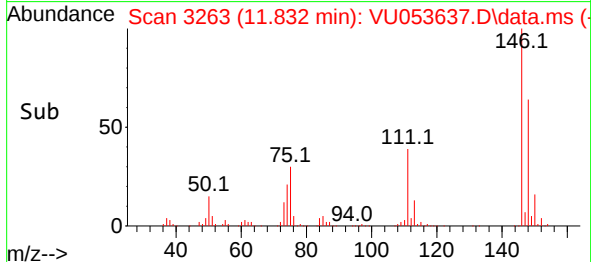
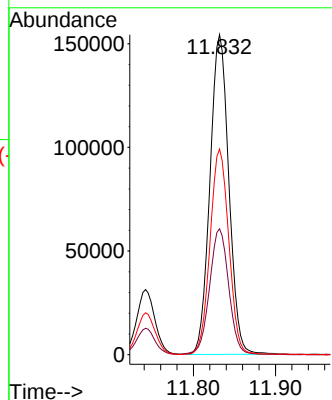
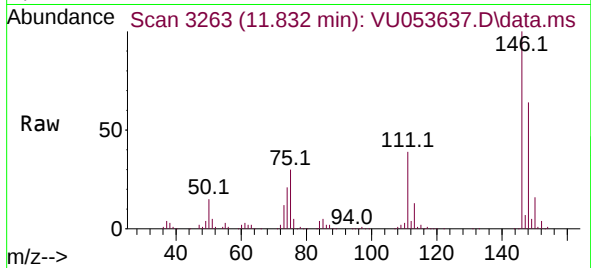




#65
1,4-Dichlorobenzene
Concen: 64.302 ug/L
RT: 11.832 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053637.D
Acq: 11 Apr 2023 16:01

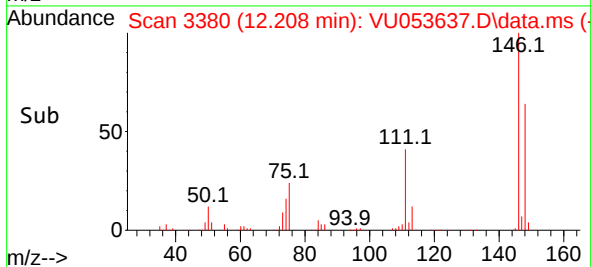
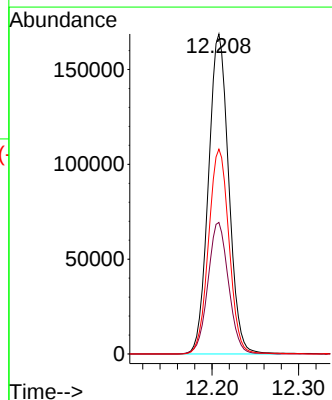
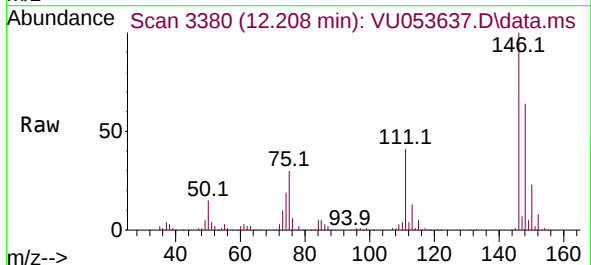
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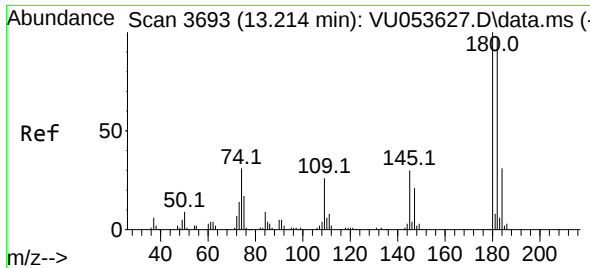
Tgt Ion:146 Resp: 246719
Ion Ratio Lower Upper
146 100
111 39.4 25.1 46.5
148 64.2 44.3 82.3



#67
1,2-Dichlorobenzene
Concen: 73.063 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU053637.D
Acq: 11 Apr 2023 16:01

Tgt Ion:146 Resp: 274133
Ion Ratio Lower Upper
146 100
111 41.1 31.5 47.3
148 64.0 51.6 77.4

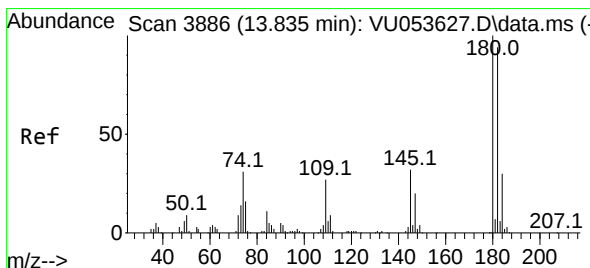
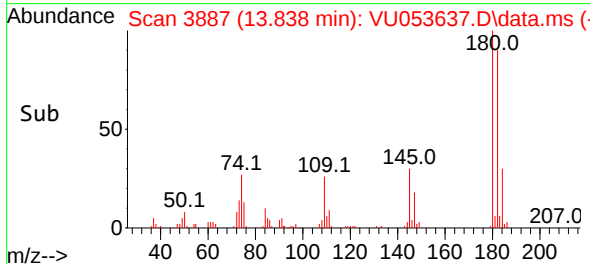
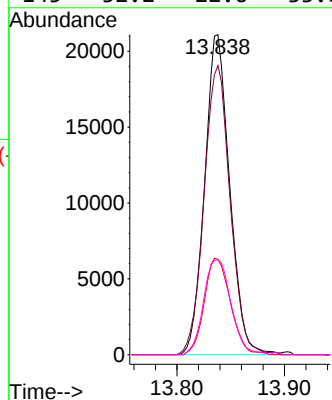
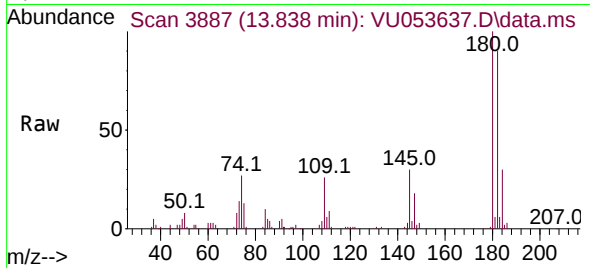




#69
 1,3,5-Trichlorobenzene
 Concen: 12.252 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.624 min
 Lab File: VU053637.D
 Acq: 11 Apr 2023 16:01

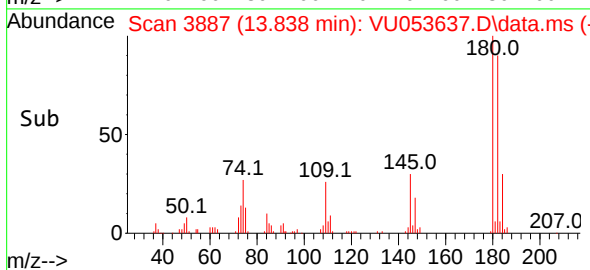
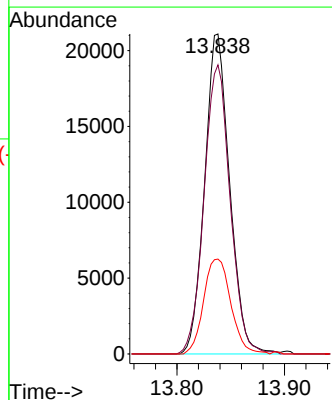
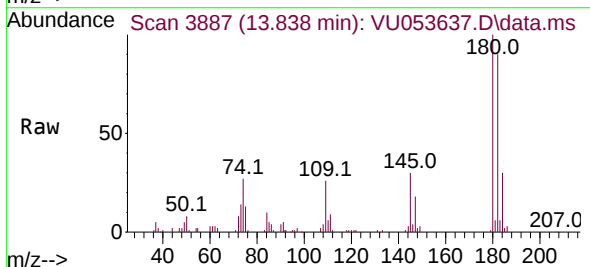
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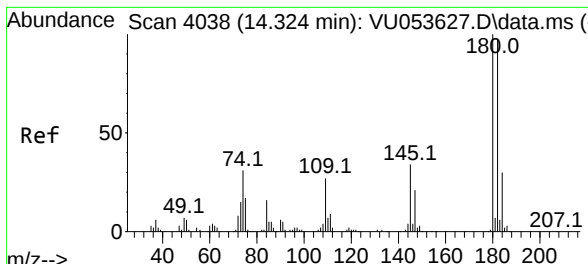
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Ion Ratio	Lower	Upper
180	100	
182	93.8	75.6 113.4
184	31.4	24.2 36.2
145	32.2	22.6 33.8



#70
 1,2,4-trichlorobenzene
 Concen: 13.214 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU053637.D
 Acq: 11 Apr 2023 16:01

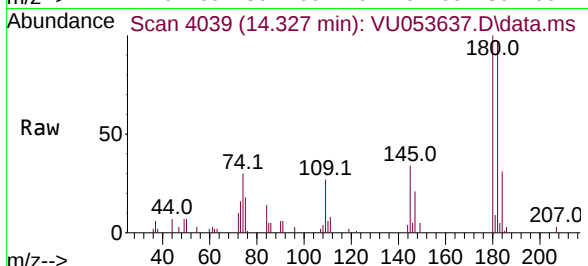
Tgt Ion:180	Resp:	34155
Ion Ratio	Lower	Upper
180	100	
182	93.8	75.8 113.8
145	32.2	23.4 35.2





#72
 1,2,3-Trichlorobenzene
 Concen: 5.030 ug/L
 RT: 14.327 min Scan# 4039
 Delta R.T. 0.003 min
 Lab File: VU053637.D
 Acq: 11 Apr 2023 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 C0MC6DL



Tgt Ion:	180	Resp:	12986
Ion Ratio	Lower	Upper	
180	100		
182	98.7	77.0	115.6
145	32.1	25.4	38.0

