

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053430.D
 Acq On : 28 Mar 2023 13:57
 Operator : JC/MD
 Sample : 02085-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMBO

Quant Time: Mar 29 01:11:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 01:10:06 2023
 Response via : Initial Calibration

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

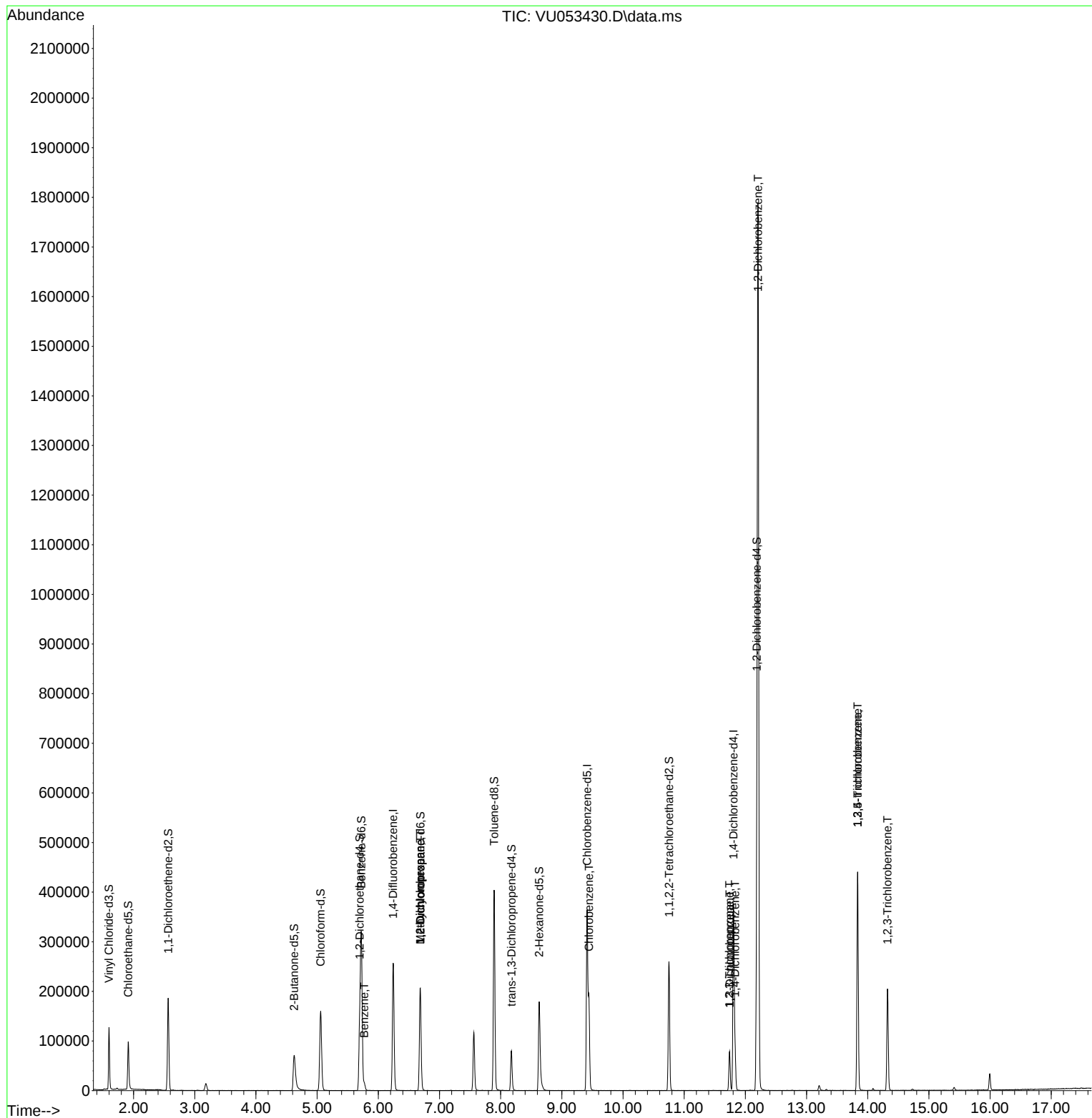
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	203824	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	190835	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	94002	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	90976	48.381	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.760%		
7) Chloroethane-d5	1.912	69	71793	47.201	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.400%		
11) 1,1-Dichloroethene-d2	2.565	63	110922	34.052	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.100%		
21) 2-Butanone-d5	4.623	46	105626	121.112	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	121.110%		
24) Chloroform-d	5.057	84	142478	46.003	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.000%		
26) 1,2-Dichloroethane-d4	5.697	65	96420	50.129	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.260%		
32) Benzene-d6	5.722	84	292112	47.193	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.380%		
36) 1,2-Dichloropropane-d6	6.687	67	99776	49.945	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.880%		
41) Toluene-d8	7.893	98	265743	46.113	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.220%		
43) trans-1,3-Dichloroprop...	8.176	79	44507	45.155	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.300%		
47) 2-Hexanone-d5	8.629	63	58557	93.757	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.760%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	127554	49.289	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.580%		
66) 1,2-Dichlorobenzene-d4	12.188	152	99996	54.939	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	109.880%		
Target Compounds						Qvalue
33) Benzene	5.771	78	11123	1.681	ug/L	100
35) Methylcyclohexane	6.684	83	22451	7.425	ug/L #	21
37) 1,2-Dichloropropane	6.684	63	10182	5.516	ug/L #	90
51) Chlorobenzene	9.443	112	94235	21.257	ug/L	99
60) 1,2,3-Trichloropropane	11.738	75	10710	5.734	ug/L #	48
64) 1,3-Dichlorobenzene	11.741	146	30513	9.796	ug/L	93
65) 1,4-Dichlorobenzene	11.831	146	29892	9.559	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	653969	210.056	ug/L	98
69) 1,3,5-Trichlorobenzene	13.835	180	127861	64.744	ug/L	97
70) 1,2,4-trichlorobenzene	13.835	180	127861	72.055	ug/L	98
72) 1,2,3-Trichlorobenzene	14.323	180	61276	36.413	ug/L	97

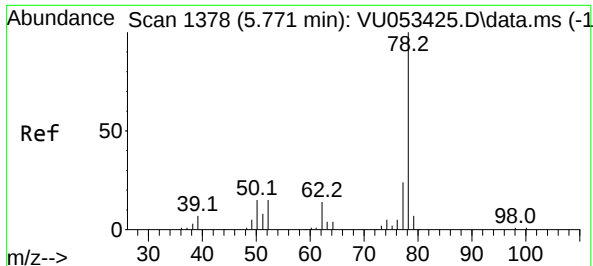
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
Data File : VU053430.D
Acq On : 28 Mar 2023 13:57
Operator : JC/MD
Sample : 02085-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
COMB0

Quant Time: Mar 29 01:11:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 29 01:10:06 2023
Response via : Initial Calibration





#33

Benzene

Concen: 1.681 ug/L

RT: 5.771 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053430.D

Acq: 28 Mar 2023 13:57

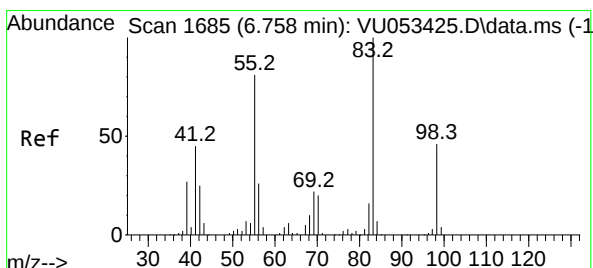
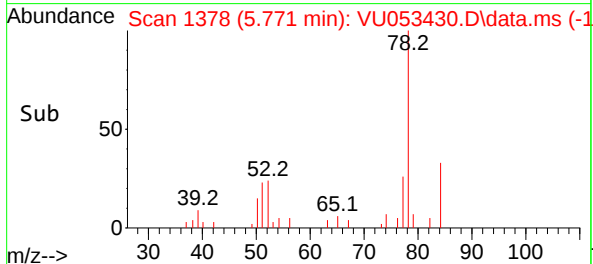
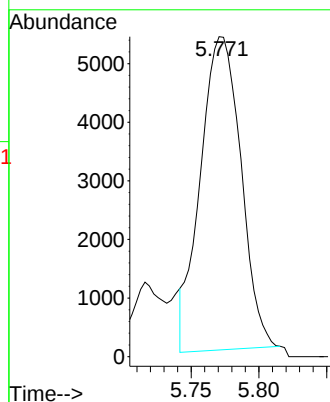
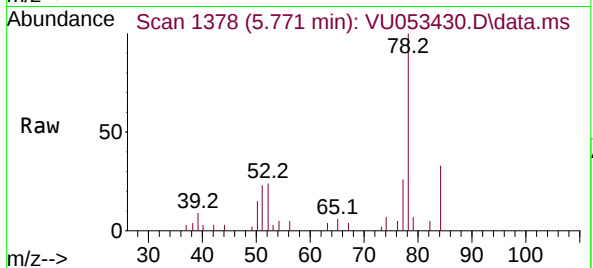
Instrument :

MSVOA_U

ClientSampleId :

COMBO

Tgt Ion: 78 Resp: 11123



#35

Methylcyclohexane

Concen: 7.425 ug/L

RT: 6.684 min Scan# 1662

Delta R.T. -0.074 min

Lab File: VU053430.D

Acq: 28 Mar 2023 13:57

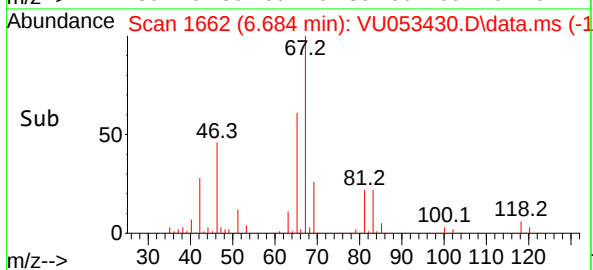
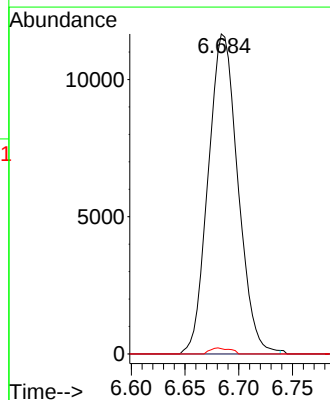
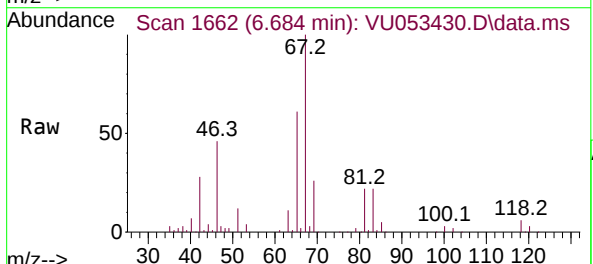
Tgt Ion: 83 Resp: 22451

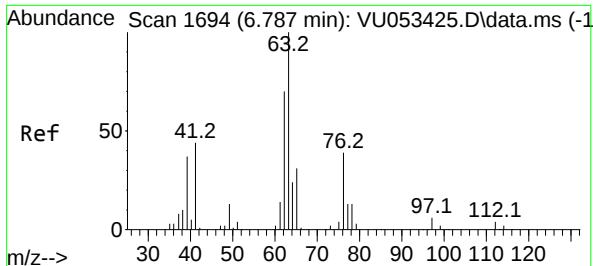
Ion Ratio Lower Upper

83 100

55 0.0 58.2 87.4#

98 0.9 35.4 53.2#





#37

1,2-Dichloropropane

Concen: 5.516 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU053430.D

Acq: 28 Mar 2023 13:57

Instrument :

MSVOA_U

ClientSampleId :

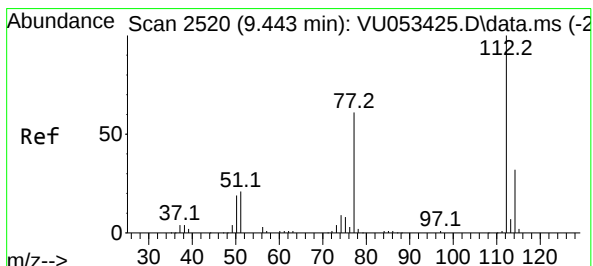
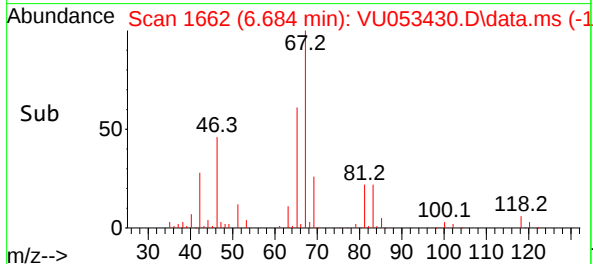
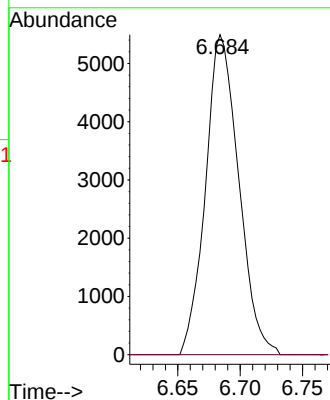
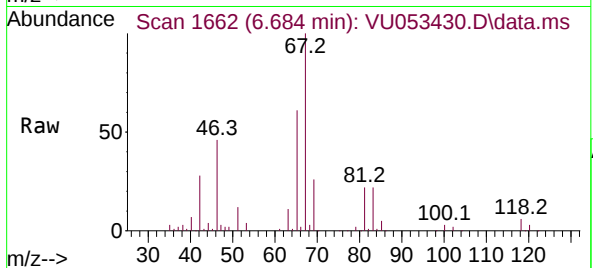
COMBO

Tgt Ion: 63 Resp: 10182

Ion Ratio Lower Upper

63 100

112 0.0 2.6 3.8#



#51

Chlorobenzene

Concen: 21.257 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053430.D

Acq: 28 Mar 2023 13:57

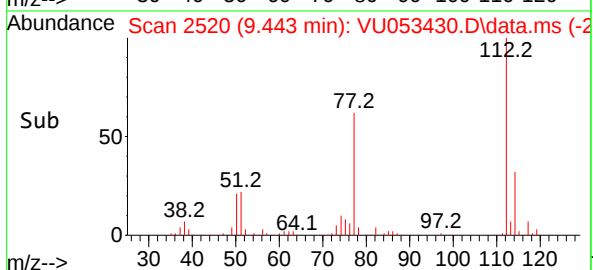
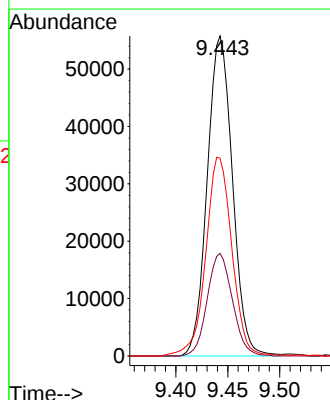
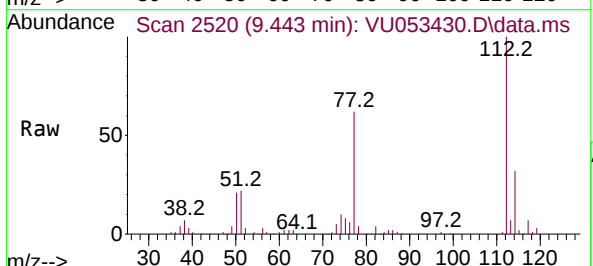
Tgt Ion: 112 Resp: 94235

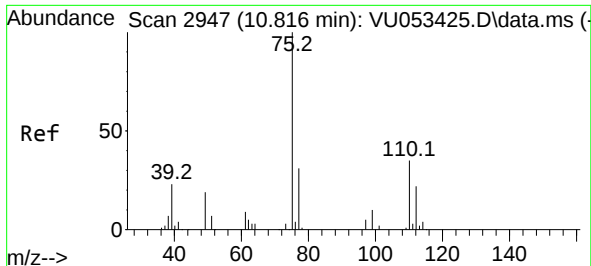
Ion Ratio Lower Upper

112 100

114 32.1 21.8 40.6

77 61.8 48.8 73.2





#60

1,2,3-Trichloropropane

Concen: 5.734 ug/L

RT: 11.738 min Scan# 31

Delta R.T. 0.923 min

Lab File: VU053430.D

Acq: 28 Mar 2023 13:57

Instrument :

MSVOA_U

ClientSampleId :

COMBO

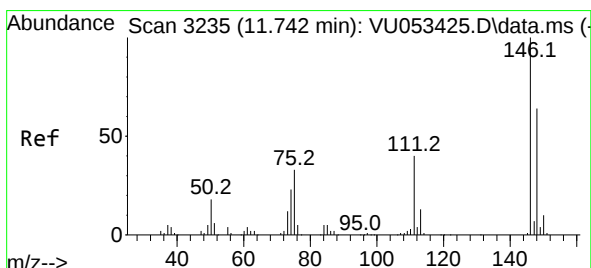
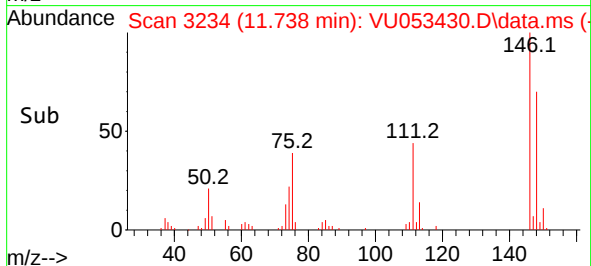
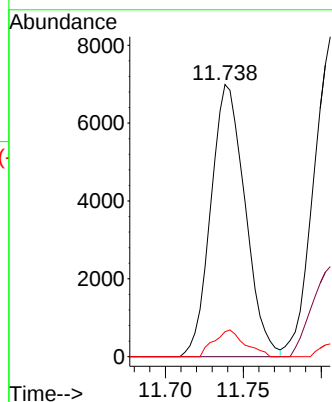
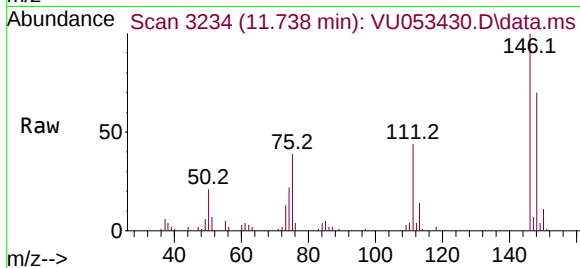
Tgt Ion: 75 Resp: 10710

Ion Ratio Lower Upper

75 100

77 0.0 26.6 40.0#

110 8.8 28.6 42.8#



#64

1,3-Dichlorobenzene

Concen: 9.796 ug/L

RT: 11.741 min Scan# 3235

Delta R.T. -0.000 min

Lab File: VU053430.D

Acq: 28 Mar 2023 13:57

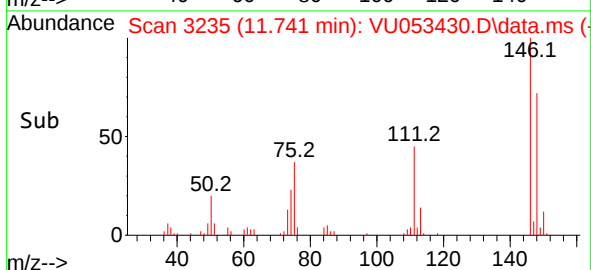
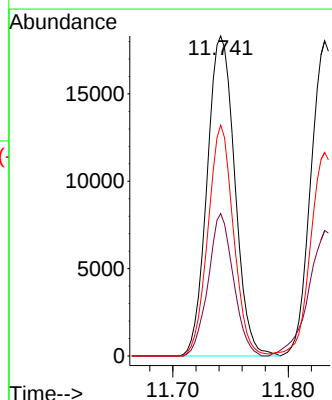
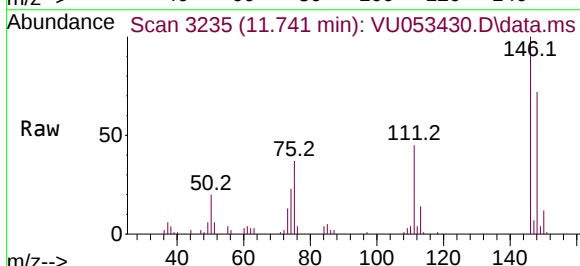
Tgt Ion:146 Resp: 30513

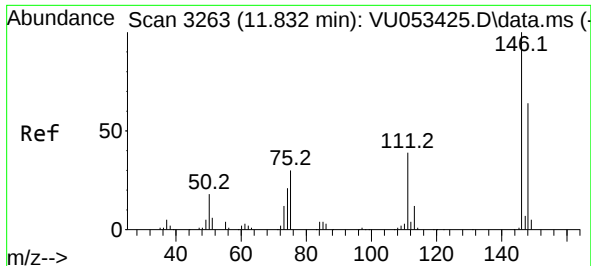
Ion Ratio Lower Upper

146 100

111 44.5 30.2 56.0

148 72.1 44.8 83.2





#65

1,4-Dichlorobenzene

Concen: 9.559 ug/L

RT: 11.831 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053430.D

Acq: 28 Mar 2023 13:57

Instrument :

MSVOA_U

ClientSampleId :

COMBO

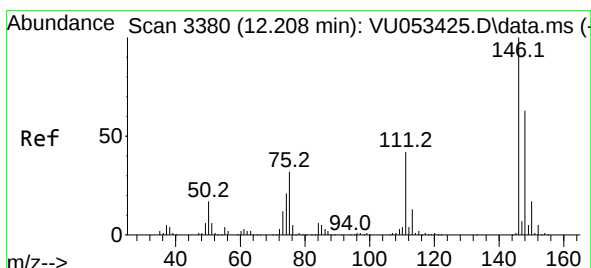
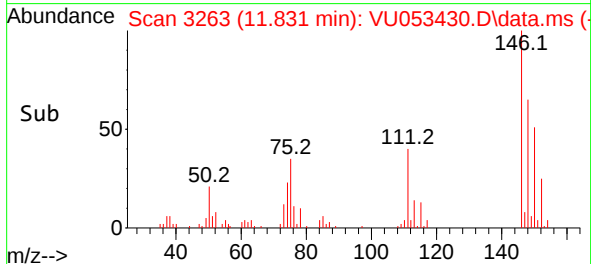
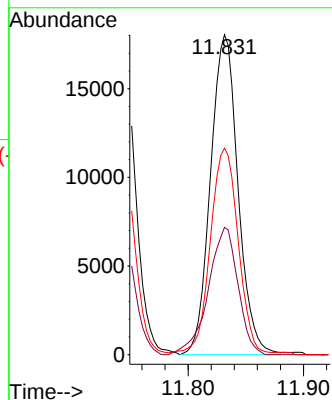
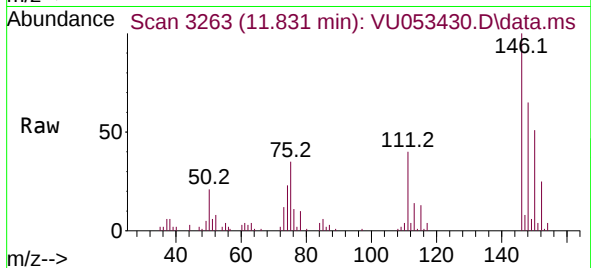
Tgt Ion:146 Resp: 29892

Ion Ratio Lower Upper

146 100

111 39.8 30.7 57.1

148 64.5 45.6 84.8



#67

1,2-Dichlorobenzene

Concen: 210.056 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. -0.000 min

Lab File: VU053430.D

Acq: 28 Mar 2023 13:57

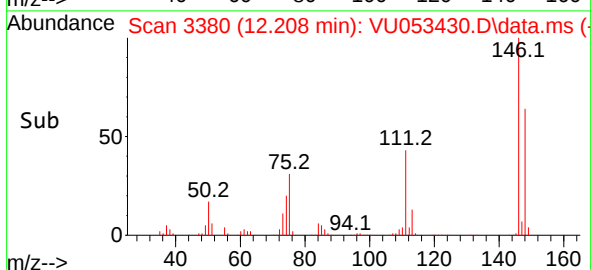
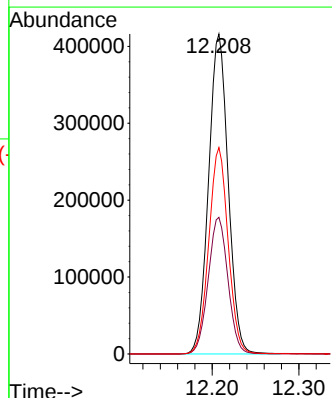
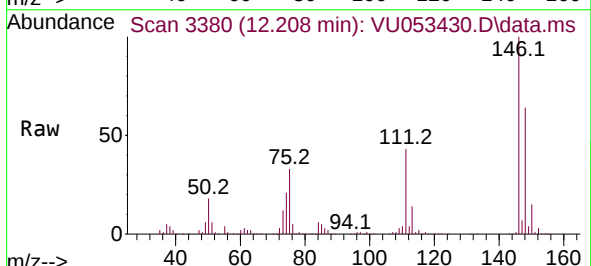
Tgt Ion:146 Resp: 653969

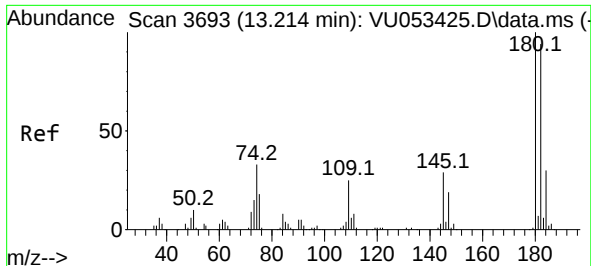
Ion Ratio Lower Upper

146 100

111 42.7 37.0 55.4

148 64.5 51.4 77.2





#69

1,3,5-Trichlorobenzene

Concen: 64.744 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.620 min

Lab File: VU053430.D

Acq: 28 Mar 2023 13:57

Instrument :

MSVOA_U

ClientSampleId :

COMBO

Tgt Ion:180 Resp: 127861

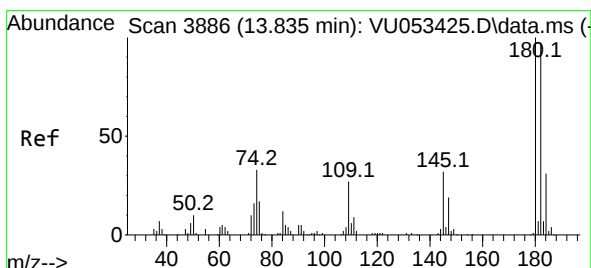
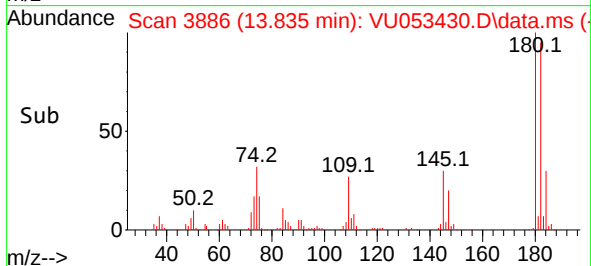
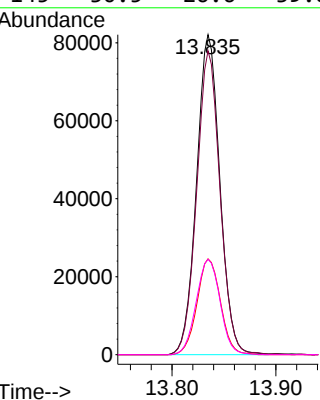
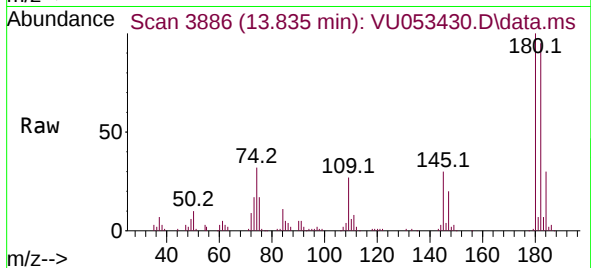
Ion Ratio Lower Upper

180 100

182 94.9 74.5 111.7

184 30.2 23.2 34.8

145 30.5 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 72.055 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU053430.D

Acq: 28 Mar 2023 13:57

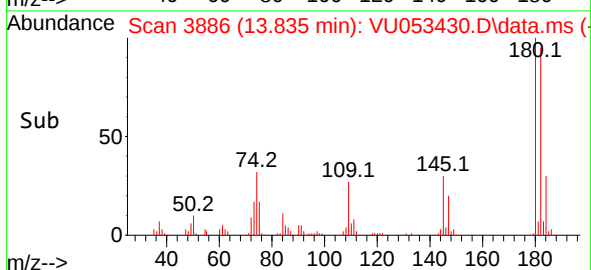
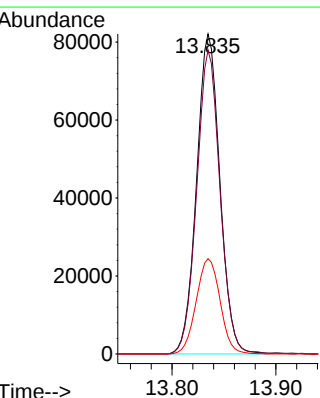
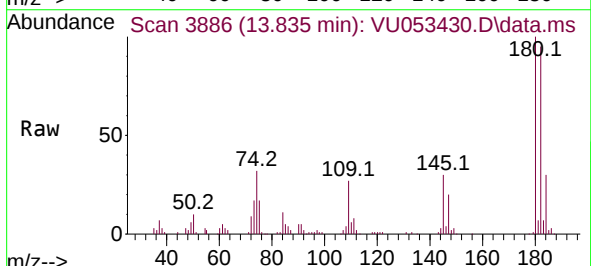
Tgt Ion:180 Resp: 127861

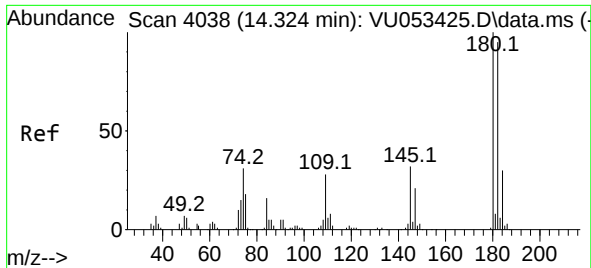
Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.8

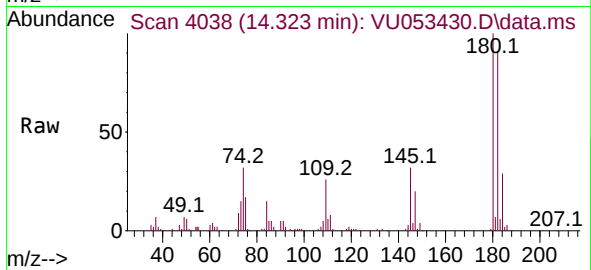
145 30.5 27.2 40.8





#72
 1,2,3-Trichlorobenzene
 Concen: 36.413 ug/L
 RT: 14.323 min Scan# 40
 Delta R.T. -0.000 min
 Lab File: VU053430.D
 Acq: 28 Mar 2023 13:57

Instrument :
 MSVOA_U
 ClientSampleId :
 COMB0



Tgt Ion:	180	Resp:	61276
Ion Ratio	Lower	Upper	
180	100		
182	94.0	76.7	115.1
145	32.0	28.6	42.8

