

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030223\
 Data File : VU053178.D
 Acq On : 02 Mar 2023 11:28
 Operator : JC/MD
 Sample : 01745-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COLE9

Quant Time: Mar 03 01:45:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 03 01:44:16 2023
 Response via : Initial Calibration

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

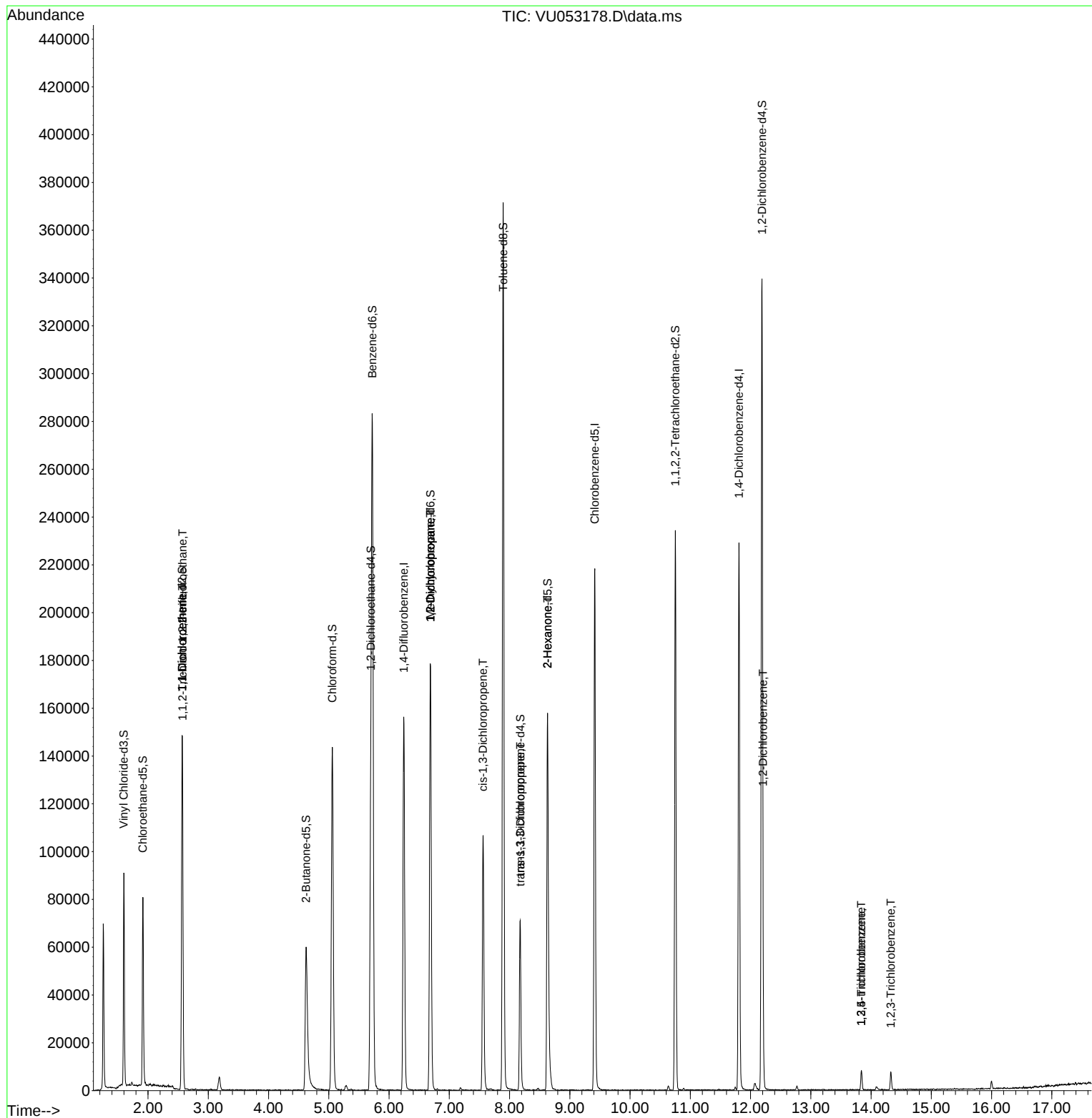
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	124527	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	118762	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	57157	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	63066	55.130	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 110.260%			
7) Chloroethane-d5	1.913	69	56971	58.844	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 117.680%			
11) 1,1-Dichloroethene-d2	2.566	63	87294	44.488	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.980%			
21) 2-Butanone-d5	4.624	46	78805	131.811	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 131.810%#			
24) Chloroform-d	5.058	84	128934	63.892	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 127.780%#			
26) 1,2-Dichloroethane-d4	5.698	65	85626	66.724	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 133.440%#			
32) Benzene-d6	5.723	84	270540	63.856	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 127.720%#			
36) 1,2-Dichloropropane-d6	6.688	67	91082	65.807	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 131.620%#			
41) Toluene-d8	7.894	98	250166	63.771	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 127.540%#			
43) trans-1,3-Dichloroprop...	8.177	79	43123	61.175	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 122.340%			
47) 2-Hexanone-d5	8.630	63	57367	119.987	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 119.990%			
56) 1,1,2,2-Tetrachloroeth...	10.752	84	119224	64.721	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 129.440%#			
66) 1,2-Dichlorobenzene-d4	12.189	152	82160	64.660	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 129.320%#			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	690	0.713	ug/L #	23
12) 1,1-Dichloroethene	2.569	96	671	0.733	ug/L #	1
35) Methylcyclohexane	6.685	83	19751	10.520	ug/L #	21
37) 1,2-Dichloropropane	6.688	63	9717	8.435	ug/L #	90
39) cis-1,3-Dichloropropene	7.559	75	2598	1.373	ug/L	84
44) trans-1,3-Dichloropropene	8.180	75	1865	1.064	ug/L #	74
48) 2-Hexanone	8.630	43	6311	6.519	ug/L #	89
67) 1,2-Dichlorobenzene	12.205	146	3690	1.954	ug/L #	79
69) 1,3,5-Trichlorobenzene	13.839	180	2960	2.337	ug/L	90
70) 1,2,4-trichlorobenzene	13.839	180	2960	2.469	ug/L	90
72) 1,2,3-Trichlorobenzene	14.328	180	2641	2.194	ug/L	94

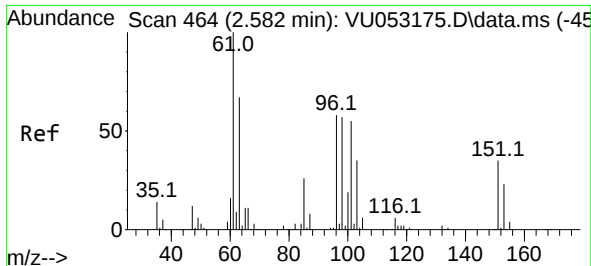
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.713 ug/L

RT: 2.572 min Scan# 4

Delta R.T. -0.010 min

Lab File: VU053178.D

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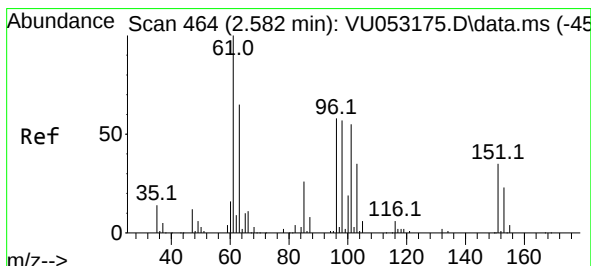
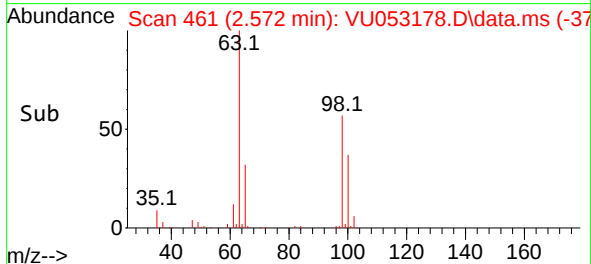
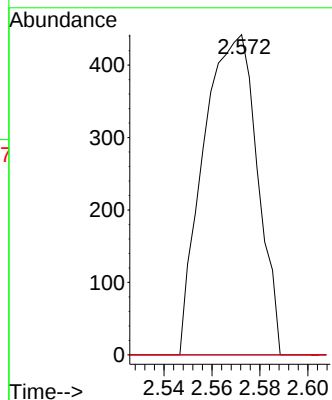
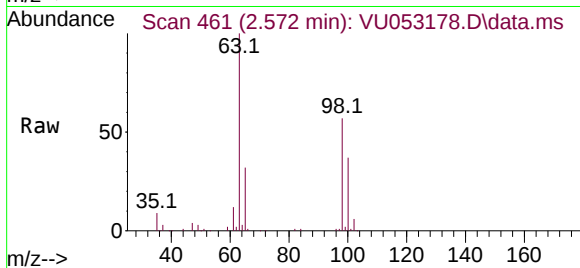
Tgt Ion:101 Resp: 690

Ion Ratio Lower Upper

101 100

85 0.0 36.6 54.8#

151 0.0 52.6 79.0#



#12

1,1-Dichloroethene

Concen: 0.733 ug/L

RT: 2.569 min Scan# 460

Delta R.T. -0.013 min

Lab File: VU053178.D

Acq: 02 Mar 2023 11:28

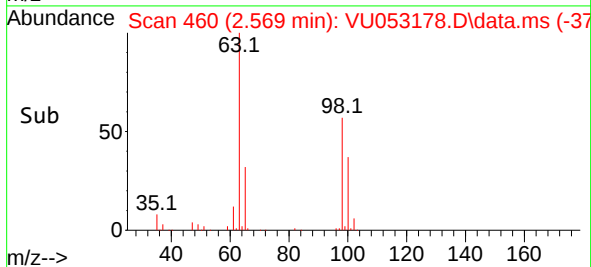
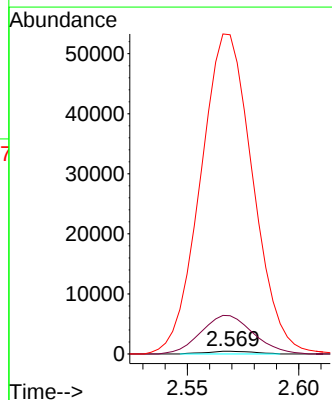
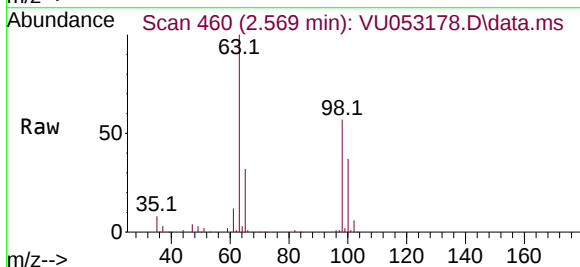
Tgt Ion: 96 Resp: 671

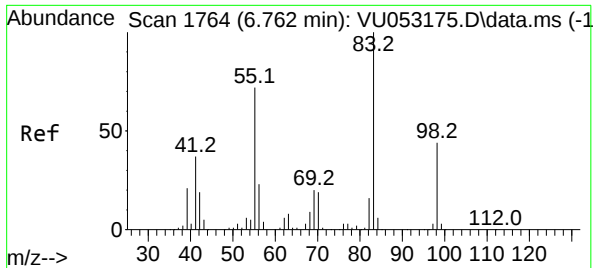
Ion Ratio Lower Upper

96 100

61 1411.3 121.9 226.3#

63 11759.3 84.2 156.4#

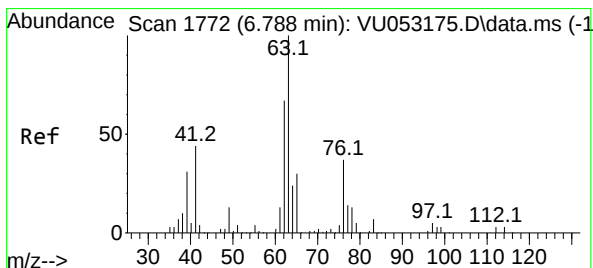
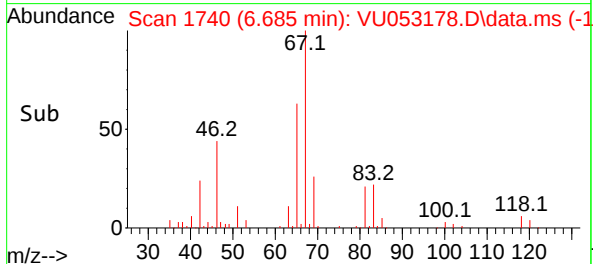
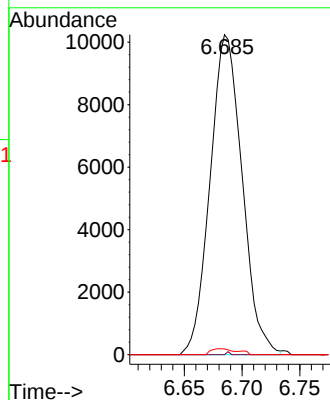
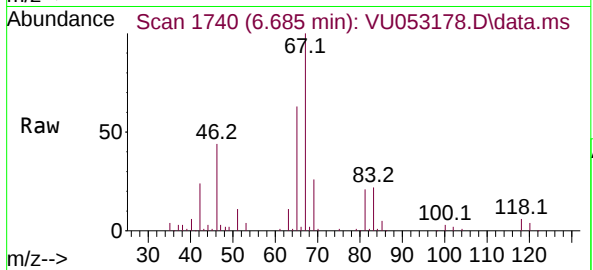




#35
Methylcyclohexane
Concen: 10.520 ug/L
RT: 6.685 min Scan# 1740
Delta R.T. -0.077 min
Lab File: VU053178.D
Acq: 02 Mar 2023 11:28

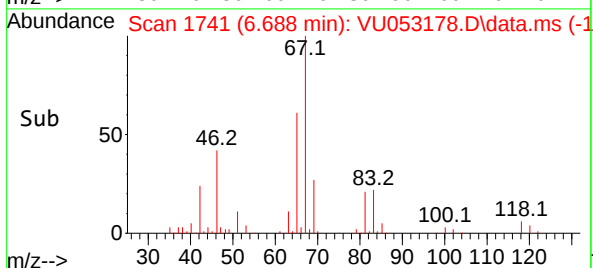
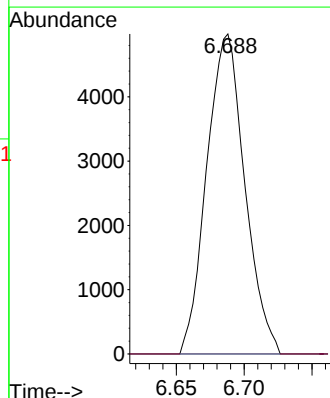
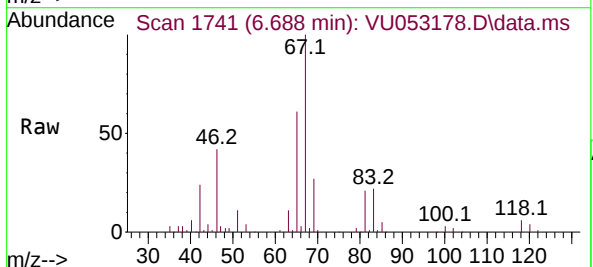
Instrument :
MSVOA_U
ClientSampleId :
COLE9

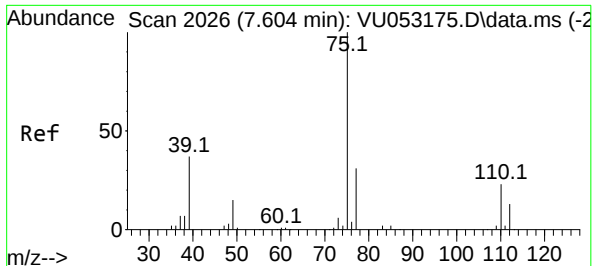
Tgt Ion: 83 Resp: 19751
Ion Ratio Lower Upper
83 100
55 0.0 57.4 86.2#
98 1.2 36.1 54.1#



#37
1,2-Dichloropropane
Concen: 8.435 ug/L
RT: 6.688 min Scan# 1741
Delta R.T. -0.100 min
Lab File: VU053178.D
Acq: 02 Mar 2023 11:28

Tgt Ion: 63 Resp: 9717
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#





#39

cis-1,3-Dichloropropene

Concen: 1.373 ug/L

RT: 7.559 min Scan# 2026

Delta R.T. -0.045 min

Lab File: VU053178.D

Acq: 02 Mar 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

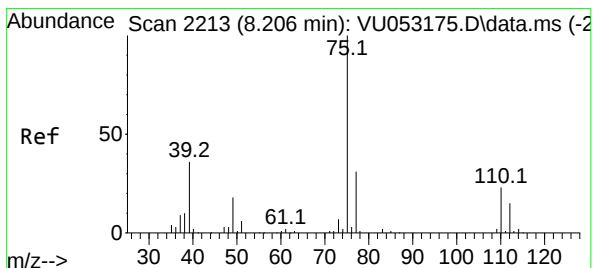
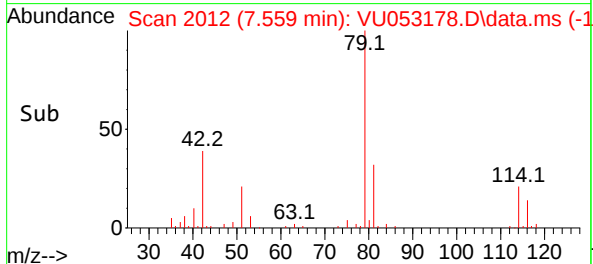
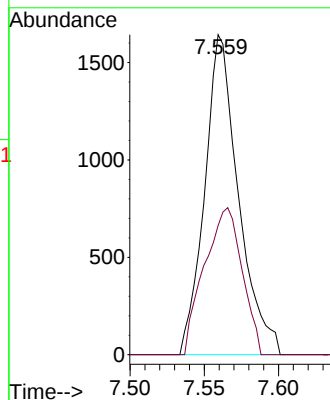
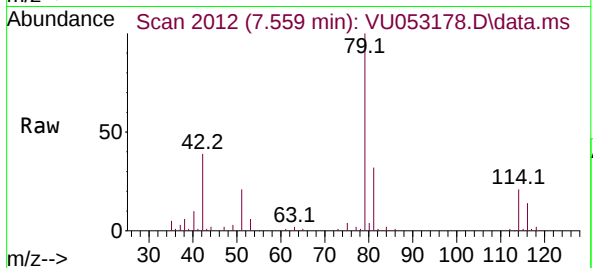
COLE9

Tgt Ion: 75 Resp: 2598

Ion Ratio Lower Upper

75 100

77 40.4 22.2 41.2



#44

trans-1,3-Dichloropropene

Concen: 1.064 ug/L

RT: 8.180 min Scan# 2205

Delta R.T. -0.026 min

Lab File: VU053178.D

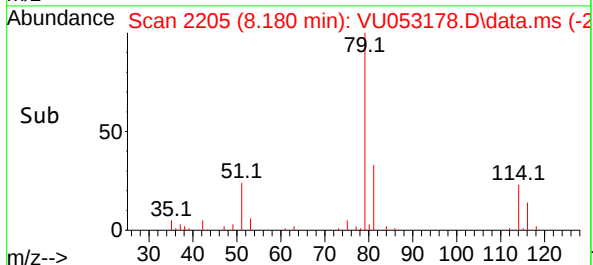
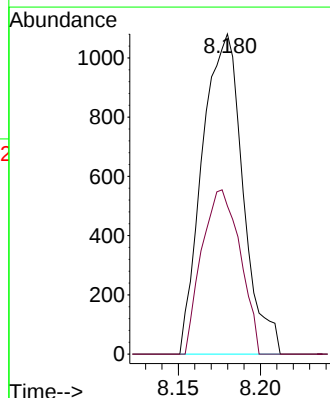
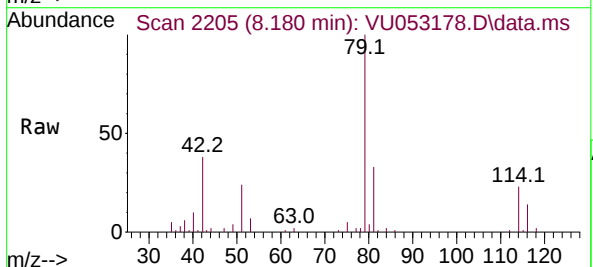
Acq: 02 Mar 2023 11:28

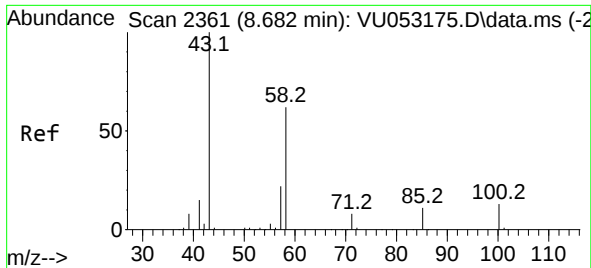
Tgt Ion: 75 Resp: 1865

Ion Ratio Lower Upper

75 100

77 46.3 22.2 41.2#

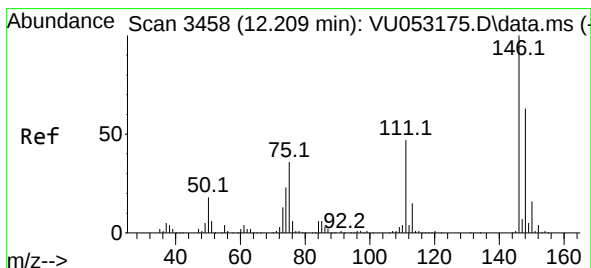
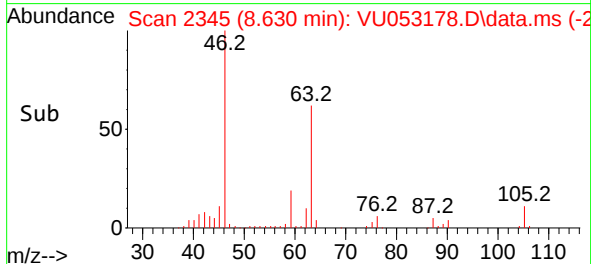
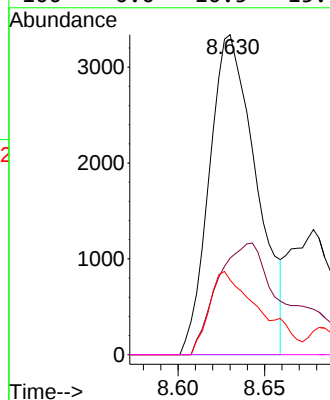
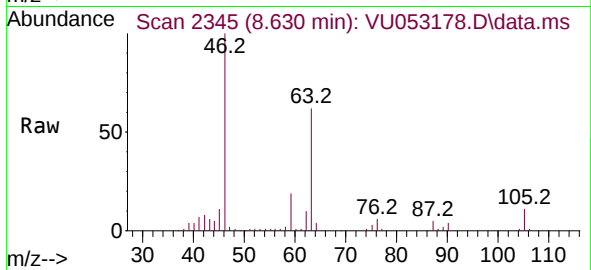




#48
2-Hexanone
Concen: 6.519 ug/L
RT: 8.630 min Scan# 21
Delta R.T. -0.052 min
Lab File: VU053178.D
Acq: 02 Mar 2023 11:28

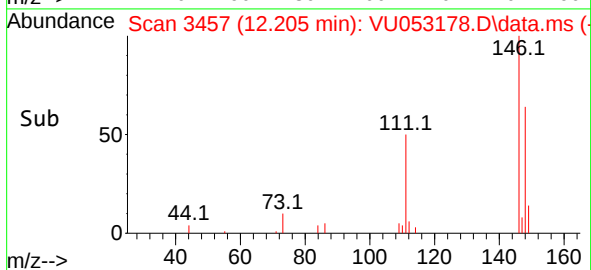
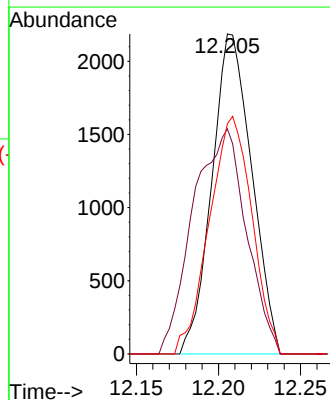
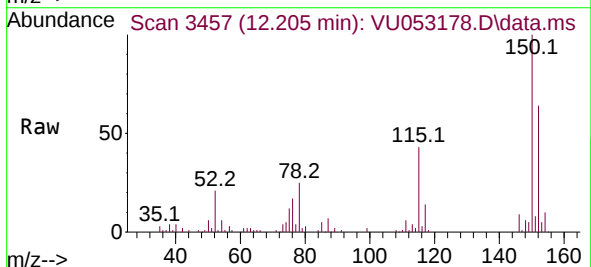
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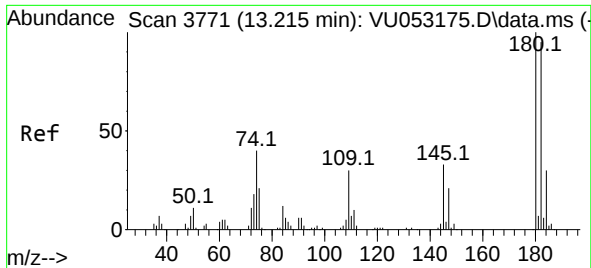
Tgt Ion:	43	Resp:	6311
Ion	Ratio	Lower	Upper
43	100		
58	55.1	50.0	75.0
57	23.8	17.7	26.5
100	0.0	10.5	15.7



#67
1,2-Dichlorobenzene
Concen: 1.954 ug/L
RT: 12.205 min Scan# 3457
Delta R.T. -0.003 min
Lab File: VU053178.D
Acq: 02 Mar 2023 11:28

Tgt Ion:	146	Resp:	3690
Ion	Ratio	Lower	Upper
146	100		
111	70.3	37.8	56.6
148	72.0	50.4	75.6

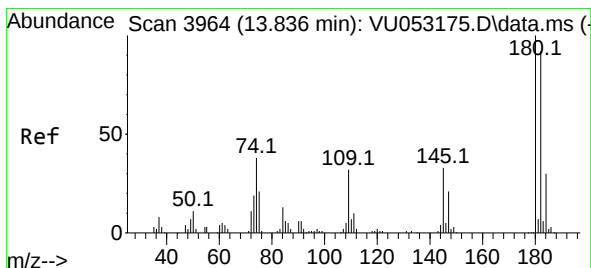
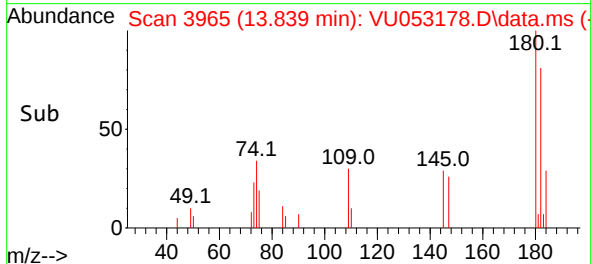
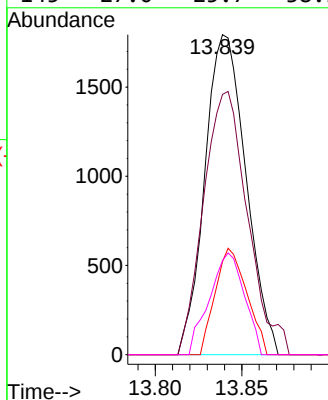
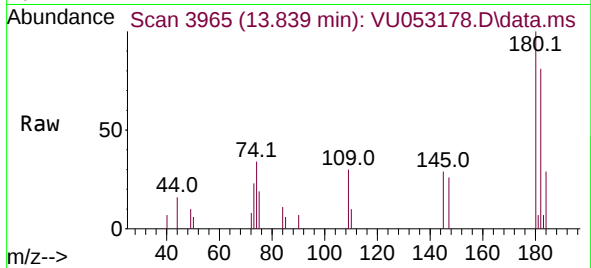




#69
 1,3,5-Trichlorobenzene
 Concen: 2.337 ug/L
 RT: 13.839 min Scan# 3965
 Delta R.T. 0.624 min
 Lab File: VU053178.D
 Acq: 02 Mar 2023 11:28

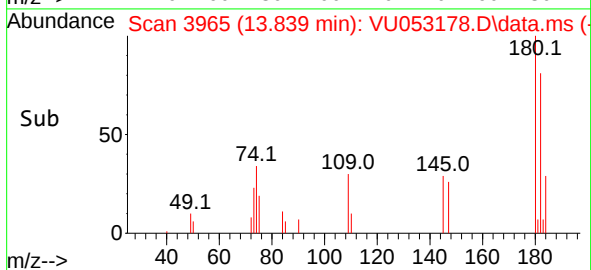
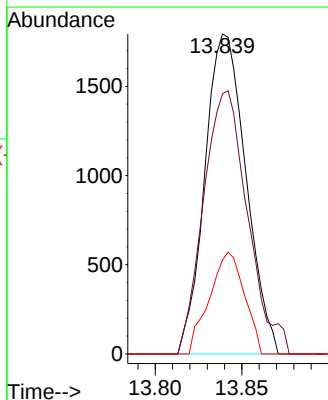
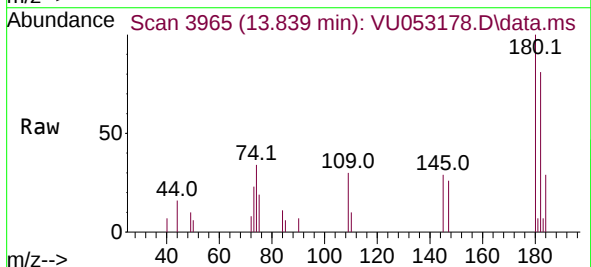
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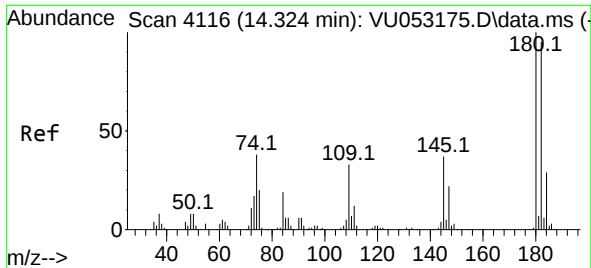
Tgt Ion:180	Resp:	2960
Ion Ratio	Lower	Upper
180	100	
182	86.0	76.9 115.3
184	25.6	23.7 35.5
145	27.0	25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 2.469 ug/L
 RT: 13.839 min Scan# 3965
 Delta R.T. 0.003 min
 Lab File: VU053178.D
 Acq: 02 Mar 2023 11:28

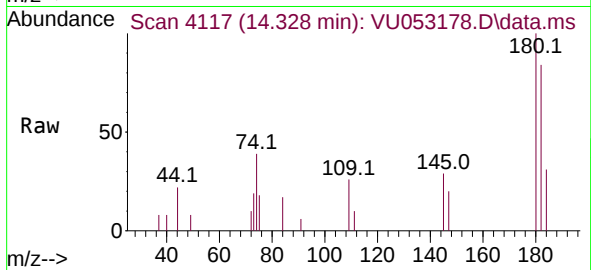
Tgt Ion:180	Resp:	2960
Ion Ratio	Lower	Upper
180	100	
182	86.0	76.4 114.6
145	27.0	26.8 40.2





#72
 1,2,3-Trichlorobenzene
 Concen: 2.194 ug/L
 RT: 14.328 min Scan# 4116
 Delta R.T. 0.003 min
 Lab File: VU053178.D
 Acq: 02 Mar 2023 11:28

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Tgt Ion:180 Resp: 2641

Ion	Ratio	Lower	Upper
180	100		
182	88.4	75.4	113.2
145	31.4	28.2	42.2

