

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030223\
 Data File : VU053177.D
 Acq On : 02 Mar 2023 11:05
 Operator : JC/MD
 Sample : 01745-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COLE7

Quant Time: Mar 03 01:45:16 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)

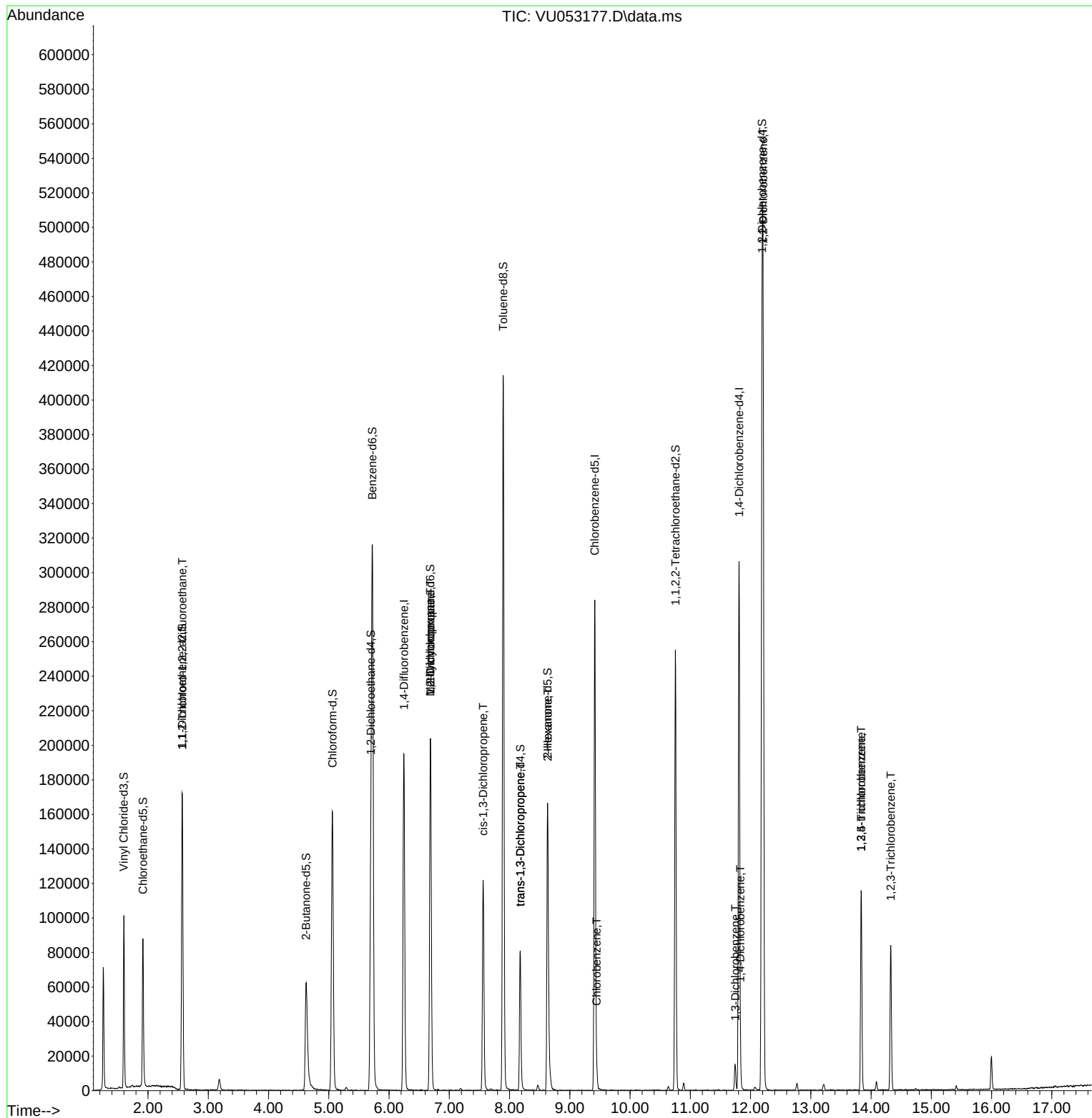
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	158024	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	151982	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	75853	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	69986	48.211	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 96.420%			
7) Chloroethane-d5	1.916	69	63232	51.466	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.940%			
11) 1,1-Dichloroethene-d2	2.566	63	100407	40.324	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 80.640%			
21) 2-Butanone-d5	4.620	46	80567	106.193	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 106.190%			
24) Chloroform-d	5.061	84	146179	57.083	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 114.160%			
26) 1,2-Dichloroethane-d4	5.698	65	94297	57.905	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 115.820%			
32) Benzene-d6	5.723	84	302582	55.809	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 111.620%			
36) 1,2-Dichloropropane-d6	6.685	67	99765	56.326	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 112.660%			
41) Toluene-d8	7.894	98	281904	56.154	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 112.300%			
43) trans-1,3-Dichloroprop...	8.177	79	48377	53.628	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 107.260%			
47) 2-Hexanone-d5	8.630	63	62643	102.383	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 102.380%			
56) 1,1,2,2-Tetrachloroeth...	10.752	84	128806	54.639	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 109.280%			
66) 1,2-Dichlorobenzene-d4	12.189	152	95906	56.874	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 113.740%			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.569	101	855	0.696	ug/L #	23
35) Methylcyclohexane	6.685	83	22293	9.278	ug/L #	21
37) 1,2-Dichloropropane	6.688	63	10680	7.244	ug/L #	90
39) cis-1,3-Dichloropropene	7.562	75	3101	1.281	ug/L #	73
44) trans-1,3-Dichloropropene	8.177	75	2058	0.918	ug/L #	74
48) 2-Hexanone	8.633	43	6906	5.575	ug/L #	69
51) Chlorobenzene	9.443	112	5861	1.664	ug/L	97
64) 1,3-Dichlorobenzene	11.746	146	6159	2.484	ug/L	95
65) 1,4-Dichlorobenzene	11.832	146	3225	1.282	ug/L	87
67) 1,2-Dichlorobenzene	12.209	146	144867	57.799	ug/L	98
69) 1,3,5-Trichlorobenzene	13.839	180	30995	18.437	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	30995	19.481	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	23434	14.669	ug/L	98

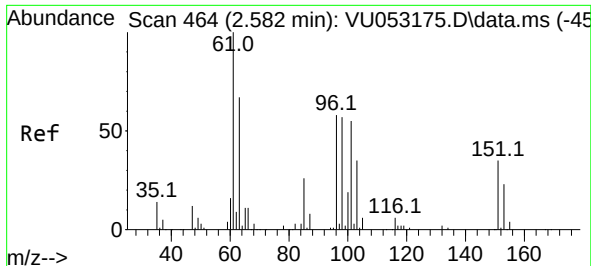
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.696 ug/L

RT: 2.569 min Scan# 4

Delta R.T. -0.013 min

Lab File: VU053177.D

Acq: 02 Mar 2023 11:05

Instrument :

MSVOA_U

ClientSampleId :

COLE7

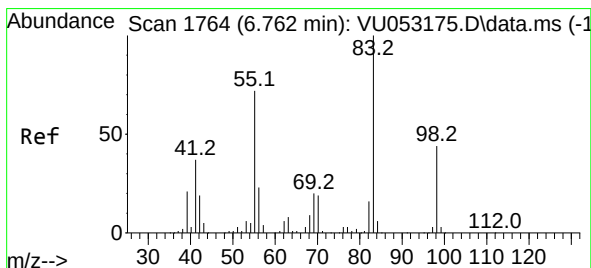
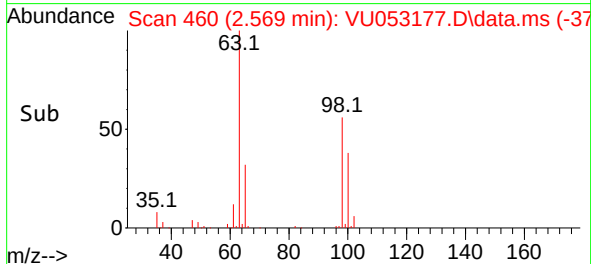
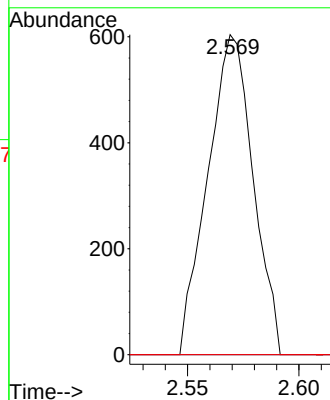
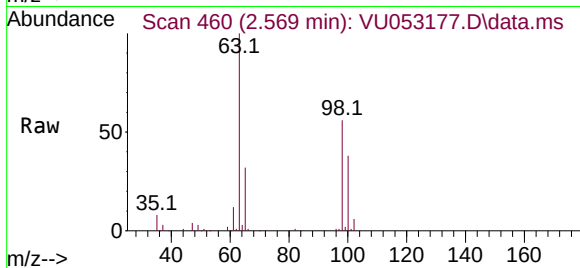
Tgt Ion:101 Resp: 855

Ion Ratio Lower Upper

101 100

85 0.0 36.6 54.8#

151 0.0 52.6 79.0#



#35

Methylcyclohexane

Concen: 9.278 ug/L

RT: 6.685 min Scan# 1740

Delta R.T. -0.077 min

Lab File: VU053177.D

Acq: 02 Mar 2023 11:05

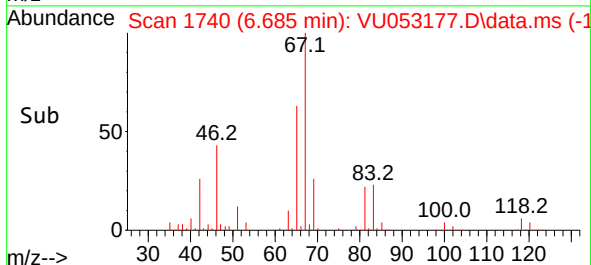
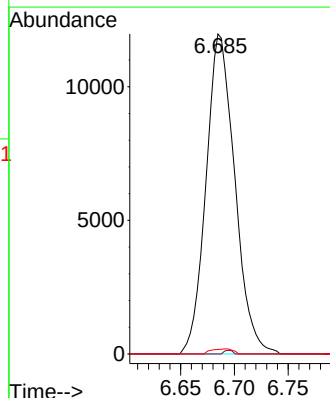
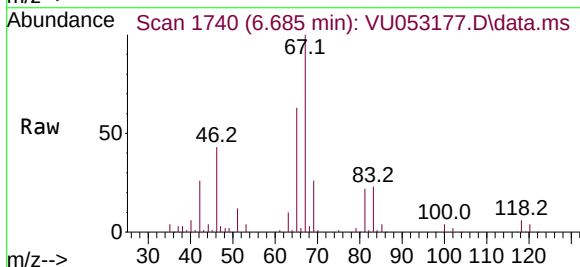
Tgt Ion: 83 Resp: 22293

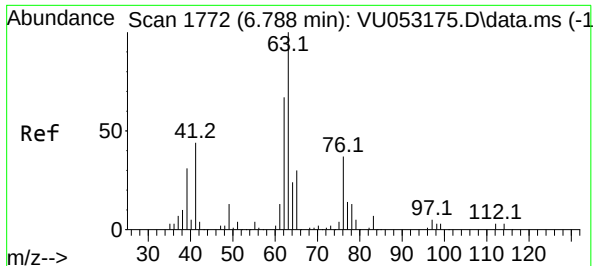
Ion Ratio Lower Upper

83 100

55 0.3 57.4 86.2#

98 1.2 36.1 54.1#





#37

1,2-Dichloropropane

Concen: 7.244 ug/L

RT: 6.688 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU053177.D

Acq: 02 Mar 2023 11:05

Instrument :

MSVOA_U

ClientSampleId :

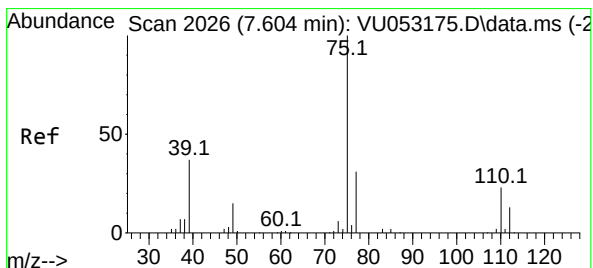
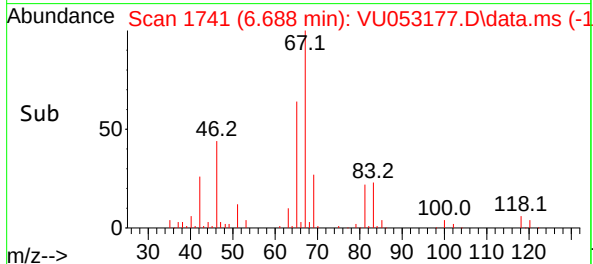
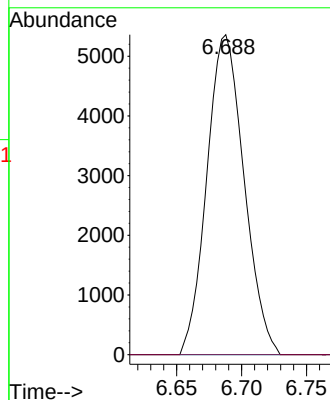
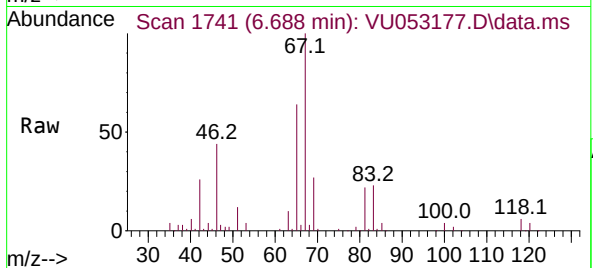
COLE7

Tgt Ion: 63 Resp: 10680

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#



#39

cis-1,3-Dichloropropene

Concen: 1.281 ug/L

RT: 7.562 min Scan# 2013

Delta R.T. -0.042 min

Lab File: VU053177.D

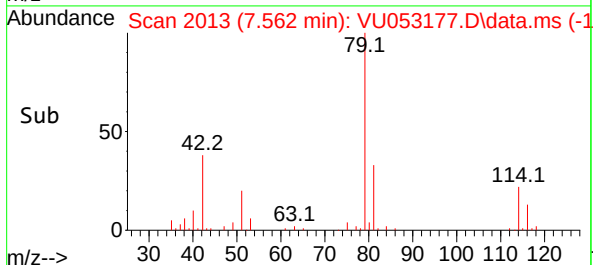
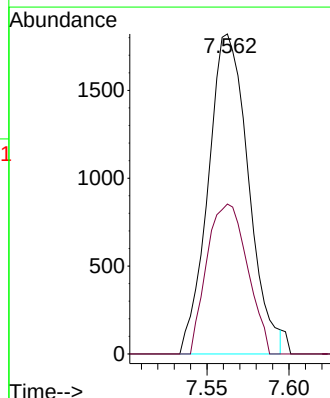
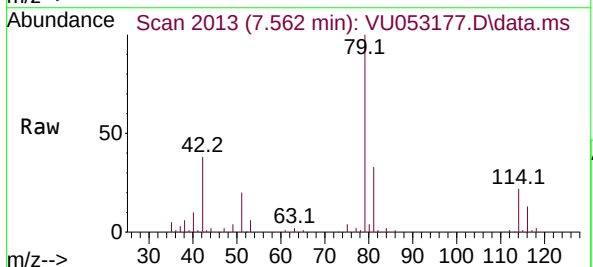
Acq: 02 Mar 2023 11:05

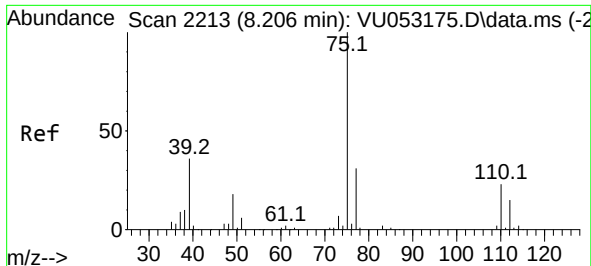
Tgt Ion: 75 Resp: 3101

Ion Ratio Lower Upper

75 100

77 46.8 22.2 41.2#

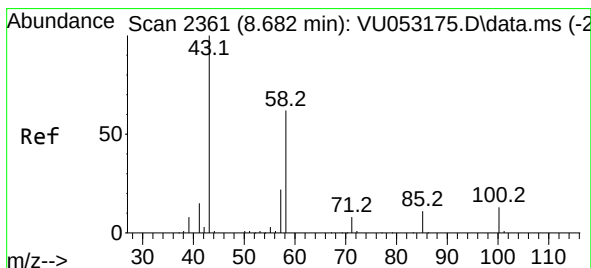
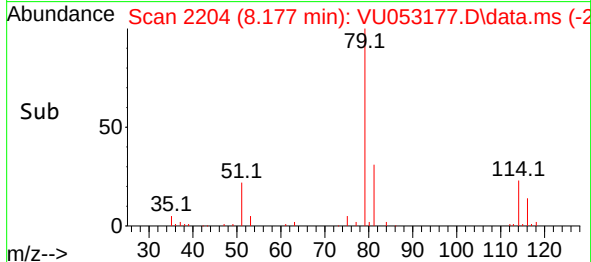
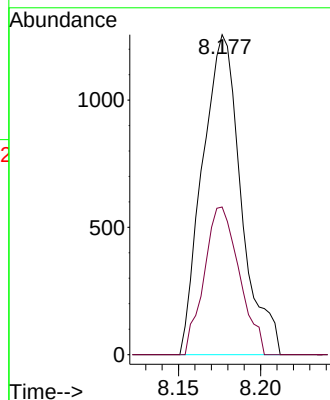
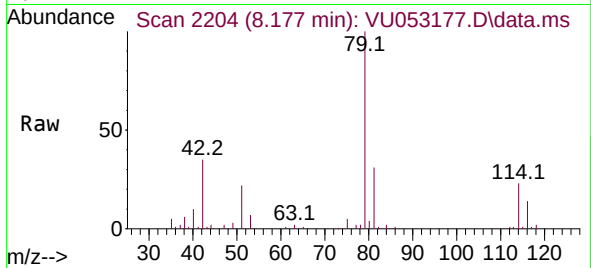




#44
trans-1,3-Dichloropropene
Concen: 0.918 ug/L
RT: 8.177 min Scan# 21
Delta R.T. -0.029 min
Lab File: VU053177.D
Acq: 02 Mar 2023 11:05

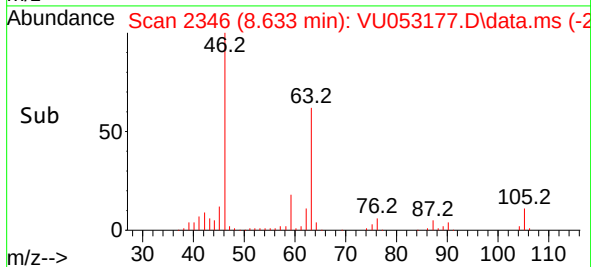
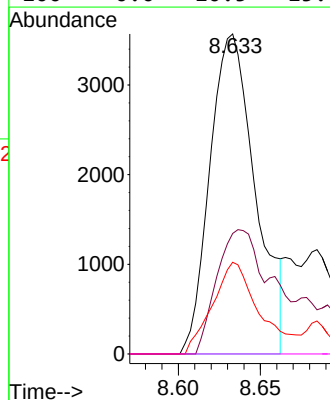
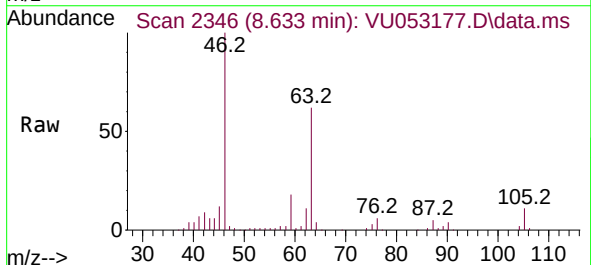
Instrument :
MSVOA_U
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COLE7

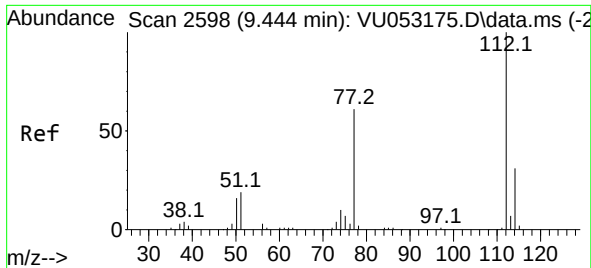
Tgt Ion: 75 Resp: 2058
Ion Ratio Lower Upper
75 100
77 46.1 22.2 41.2#



#48
2-Hexanone
Concen: 5.575 ug/L
RT: 8.633 min Scan# 2346
Delta R.T. -0.048 min
Lab File: VU053177.D
Acq: 02 Mar 2023 11:05

Tgt Ion: 43 Resp: 6906
Ion Ratio Lower Upper
43 100
58 35.3 50.0 75.0#
57 30.0 17.7 26.5#
100 0.0 10.5 15.7#

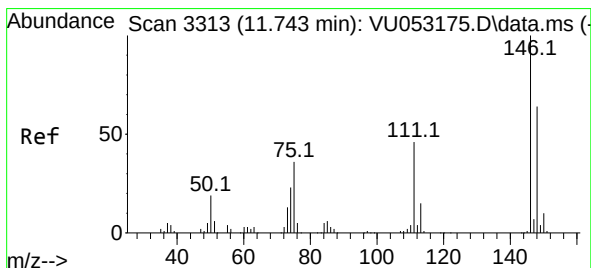
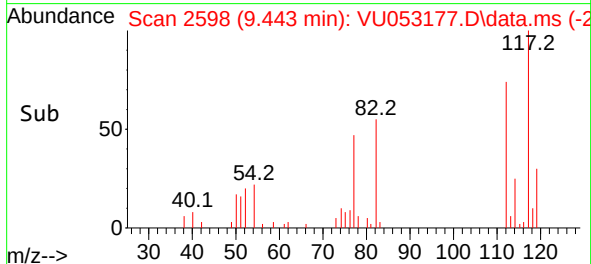
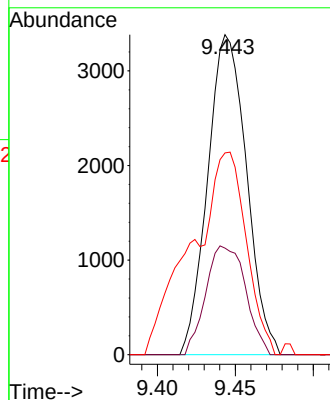
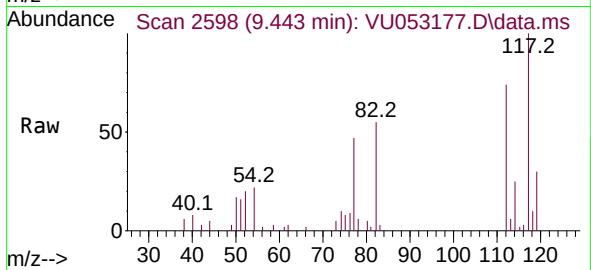




#51
Chlorobenzene
Concen: 1.664 ug/L
RT: 9.443 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053177.D
Acq: 02 Mar 2023 11:05

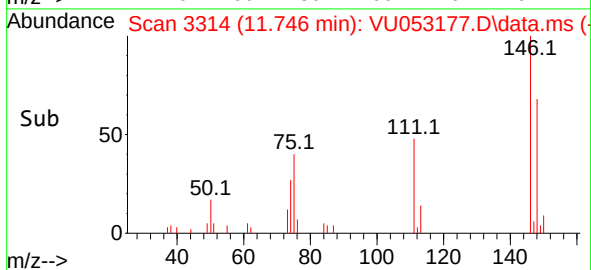
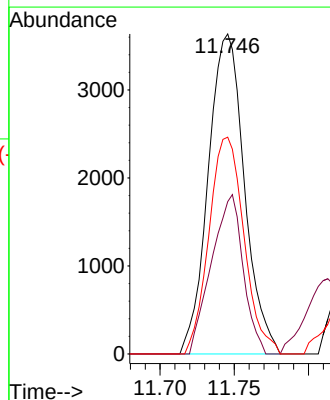
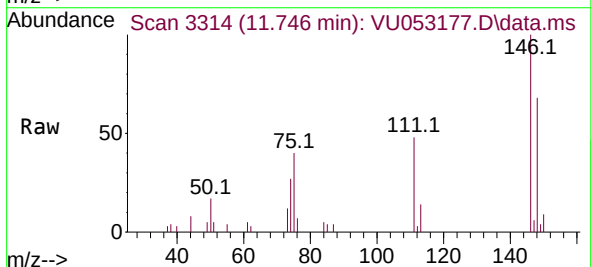
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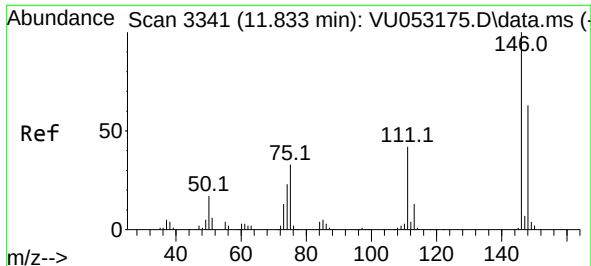
Tgt Ion:	112	Resp:	5861
Ion	Ratio	Lower	Upper
112	100		
114	33.3	22.3	41.3
77	63.1	48.8	73.2



#64
1,3-Dichlorobenzene
Concen: 2.484 ug/L
RT: 11.746 min Scan# 3314
Delta R.T. 0.003 min
Lab File: VU053177.D
Acq: 02 Mar 2023 11:05

Tgt Ion:	146	Resp:	6159
Ion	Ratio	Lower	Upper
146	100		
111	47.6	32.1	59.5
148	67.7	44.2	82.2





#65

1,4-Dichlorobenzene

Concen: 1.282 ug/L

RT: 11.832 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053177.D

Acq: 02 Mar 2023 11:05

Instrument :

MSVOA_U

ClientSampleId :

COLE7

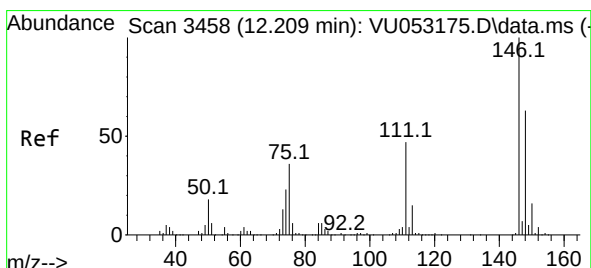
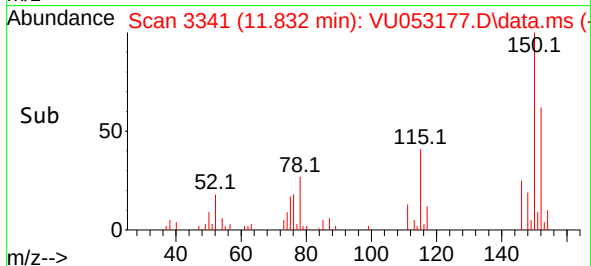
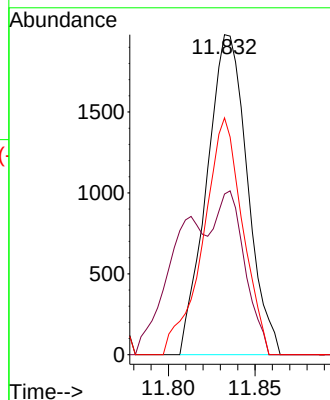
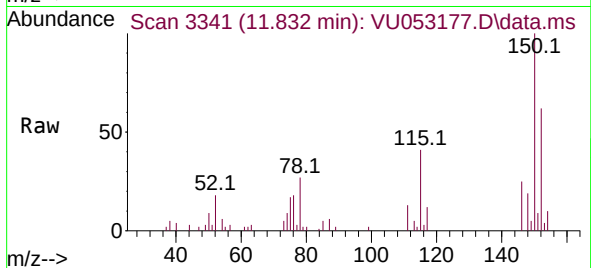
Tgt Ion:146 Resp: 3225

Ion Ratio Lower Upper

146 100

111 50.2 29.9 55.5

148 74.0 44.0 81.6



#67

1,2-Dichlorobenzene

Concen: 57.799 ug/L

RT: 12.209 min Scan# 3458

Delta R.T. -0.000 min

Lab File: VU053177.D

Acq: 02 Mar 2023 11:05

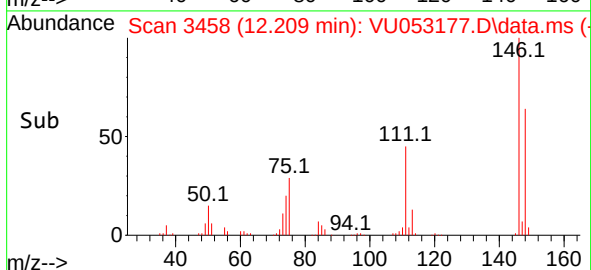
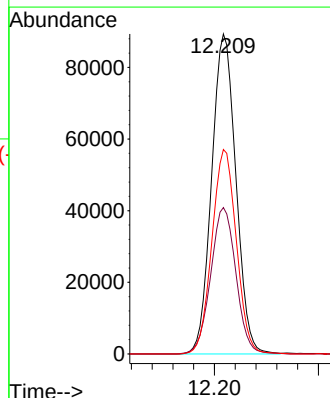
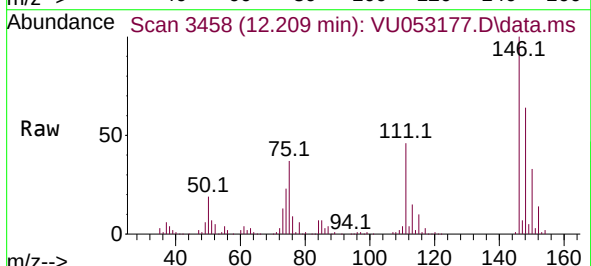
Tgt Ion:146 Resp: 144867

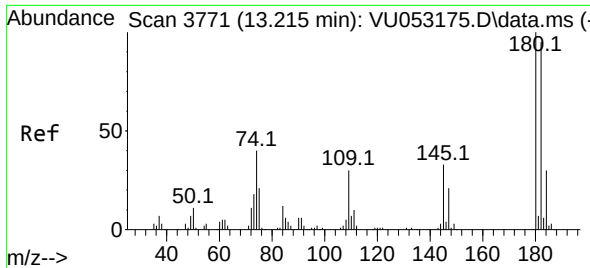
Ion Ratio Lower Upper

146 100

111 45.8 37.8 56.6

148 63.9 50.4 75.6

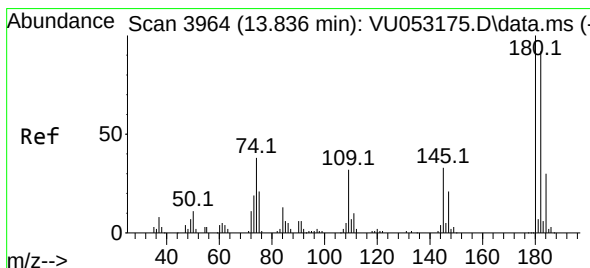
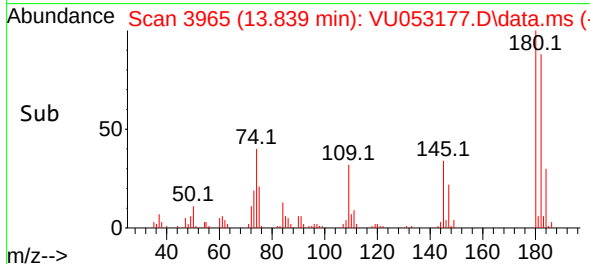
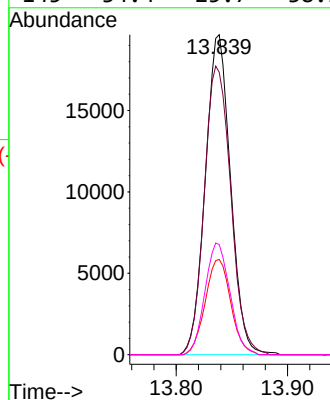
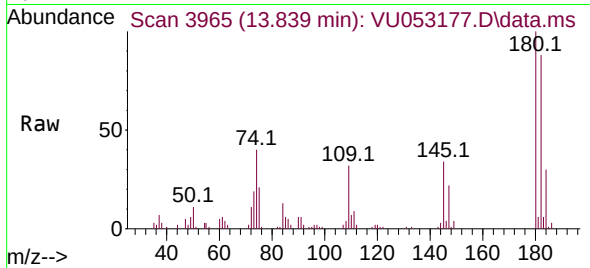




#69
1,3,5-Trichlorobenzene
Concen: 18.437 ug/L
RT: 13.839 min Scan# 3965
Delta R.T. 0.624 min
Lab File: VU053177.D
Acq: 02 Mar 2023 11:05

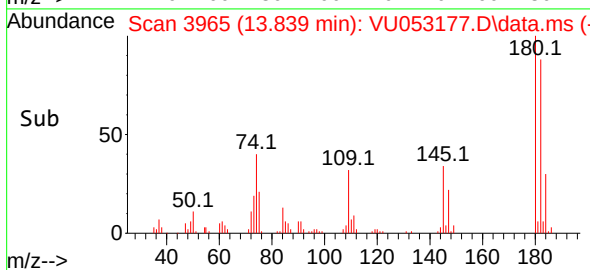
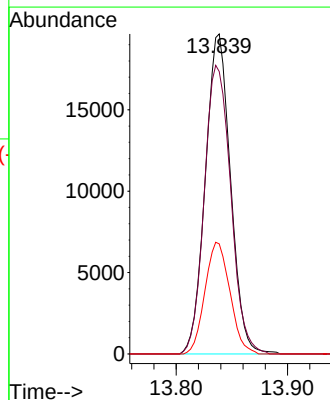
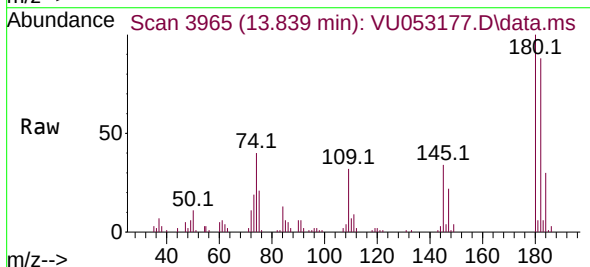
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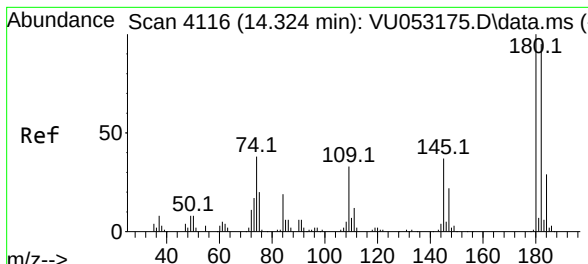
Tgt Ion:180	Resp:	30995
Ion Ratio	Lower	Upper
180	100	
182	94.5	76.9 115.3
184	30.1	23.7 35.5
145	34.4	25.7 38.5



#70
1,2,4-trichlorobenzene
Concen: 19.481 ug/L
RT: 13.839 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU053177.D
Acq: 02 Mar 2023 11:05

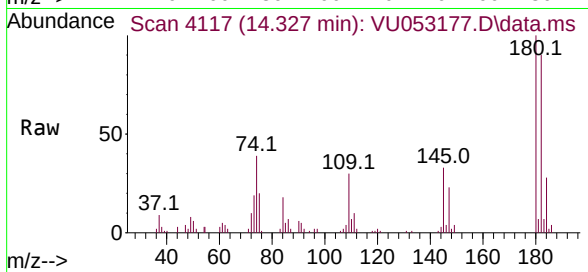
Tgt Ion:180	Resp:	30995
Ion Ratio	Lower	Upper
180	100	
182	94.5	76.4 114.6
145	34.4	26.8 40.2





#72
 1,2,3-Trichlorobenzene
 Concen: 14.669 ug/L
 RT: 14.327 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VU053177.D
 Acq: 02 Mar 2023 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 COLE7



Tgt Ion:180 Resp: 23434
 Ion Ratio Lower Upper
 180 100
 182 91.7 75.4 113.2
 145 35.4 28.2 42.2

