

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012723\
 Data File : VU052835.D
 Acq On : 27 Jan 2023 10:44
 Operator : JC/MD
 Sample : 01314-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44L0

Quant Time: Jan 27 22:21:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 22:20:01 2023
 Response via : Initial Calibration

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

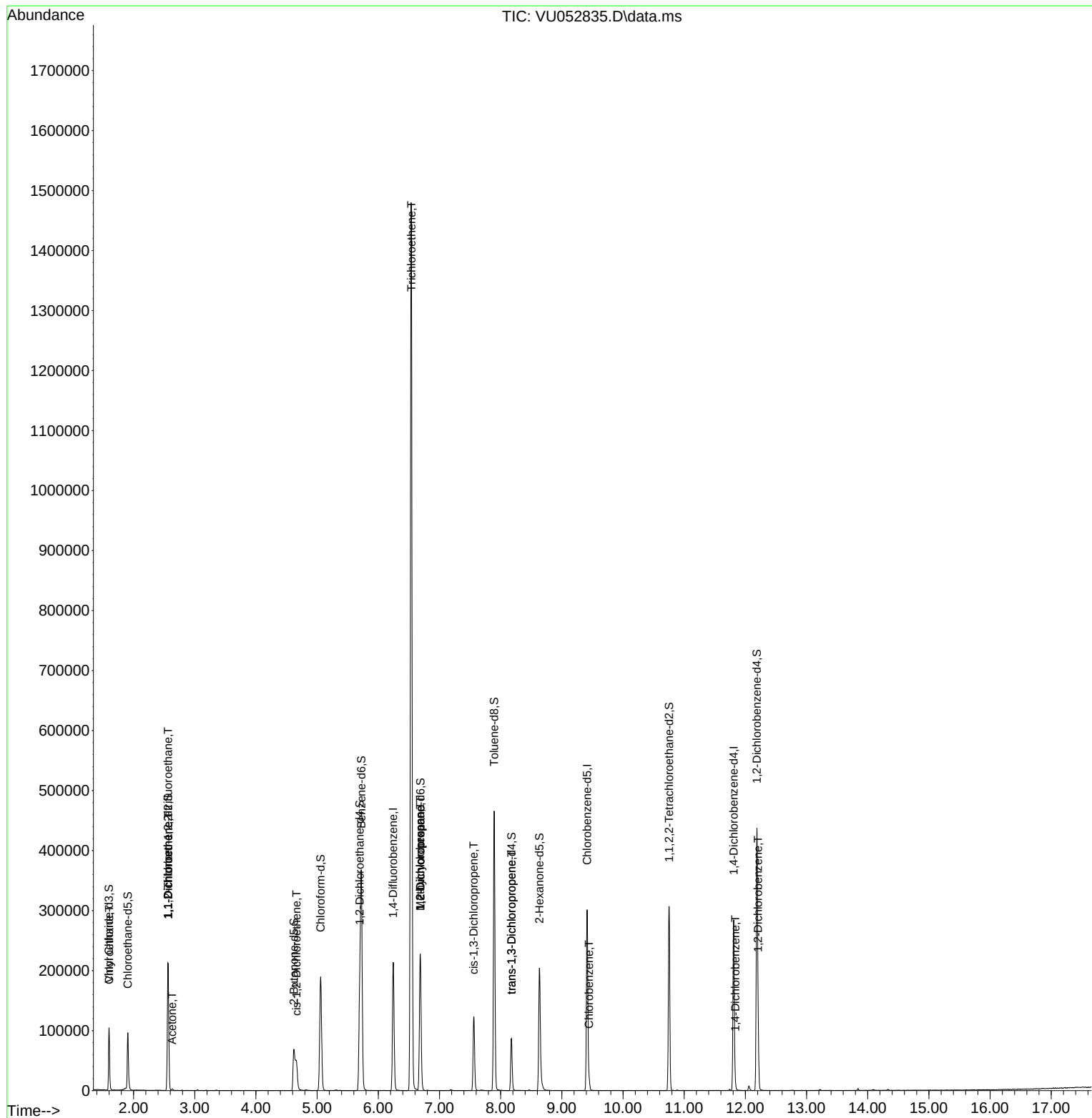
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	176922	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	172912	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	79950	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	79574	62.489	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 124.980%			
7) Chloroethane-d5	1.906	69	69443	66.183	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 132.360%#			
11) 1,1-Dichloroethene-d2	2.562	63	124493	49.153	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 98.300%			
21) 2-Butanone-d5	4.620	46	99975	127.090	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 127.090%			
24) Chloroform-d	5.057	84	179942	66.212	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 132.420%#			
26) 1,2-Dichloroethane-d4	5.697	65	118845	68.488	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 136.980%#			
32) Benzene-d6	5.723	84	348060	65.886	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 131.780%#			
36) 1,2-Dichloropropane-d6	6.687	67	105278	67.950	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 135.900%#			
41) Toluene-d8	7.893	98	304441	63.288	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 126.580%#			
43) trans-1,3-Dichloroprop...	8.176	79	49880	64.233	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 128.460%#			
47) 2-Hexanone-d5	8.632	63	70187	128.927	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 128.930%			
56) 1,1,2,2-Tetrachloroeth...	10.751	84	144934	63.314	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 126.620%#			
66) 1,2-Dichlorobenzene-d4	12.189	152	116761	75.213	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 150.420%#			
Target Compounds						Qvalue
8) Chloroethane	1.601	64	1344	1.416	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1187	0.832	ug/L #	19
12) 1,1-Dichloroethene	2.565	96	1456	1.112	ug/L #	1
13) Acetone	2.629	43	3317	3.452	ug/L	83
20) cis-1,2-Dichloroethene	4.662	96	22387	14.825	ug/L	100
34) Trichloroethene	6.539	95	489847	327.429	ug/L	95
35) Methylcyclohexane	6.684	83	27832	11.754	ug/L #	20
37) 1,2-Dichloropropane	6.684	63	11494	7.943	ug/L #	85
39) cis-1,3-Dichloropropene	7.559	75	2923	1.289	ug/L #	72
44) trans-1,3-Dichloropropene	8.176	75	2236	1.004	ug/L	83
51) Chlorobenzene	9.443	112	11224	2.704	ug/L	96
65) 1,4-Dichlorobenzene	11.835	146	4875	1.808	ug/L	94
67) 1,2-Dichlorobenzene	12.208	146	30060	11.408	ug/L	97

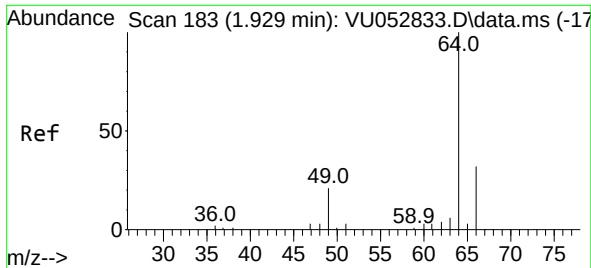
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 1.416 ug/L

RT: 1.601 min Scan# 81

Delta R.T. -0.328 min

Lab File: VU052835.D

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Instrument :

MSVOA_U

ClientSampleId :

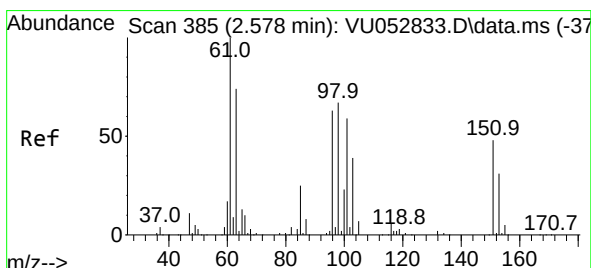
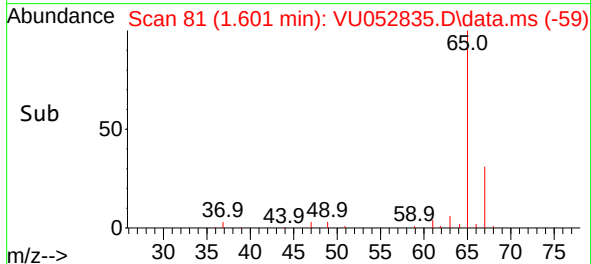
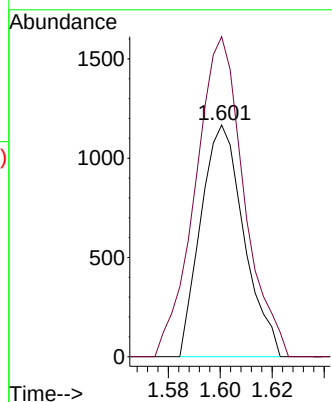
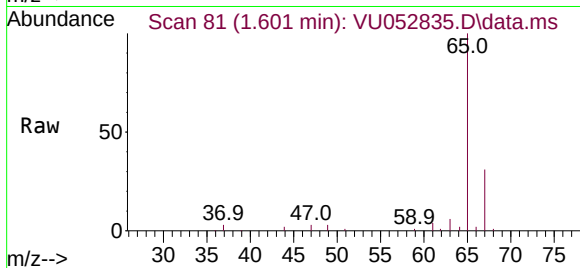
A44L0

Tgt Ion: 64 Resp: 1344

Ion Ratio Lower Upper

64 100

66 138.1 24.1 44.7#



#10

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

Concen: 0.832 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.016 min

Lab File: VU052835.D

Acq: 27 Jan 2023 10:44

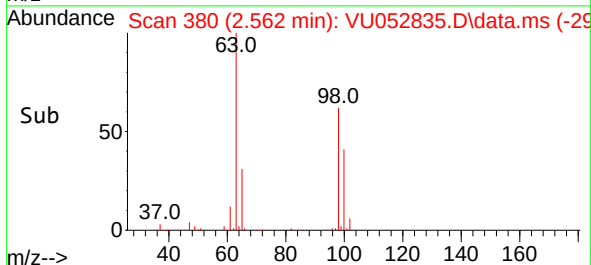
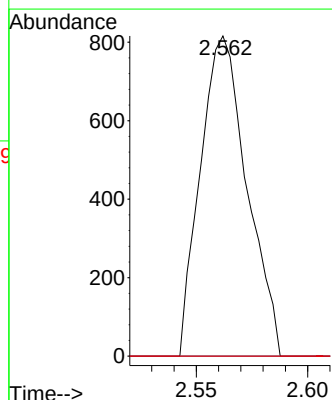
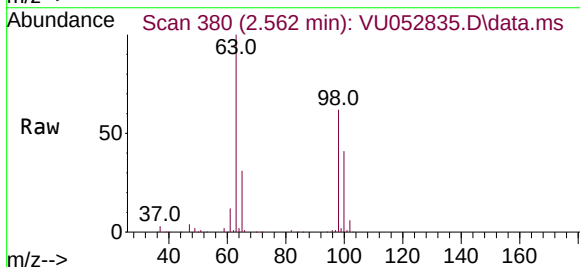
Tgt Ion:101 Resp: 1187

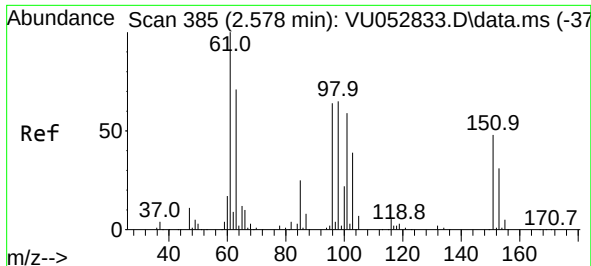
Ion Ratio Lower Upper

101 100

85 0.0 32.9 49.3#

151 0.0 62.6 94.0#





#12

1,1-Dichloroethene

Concen: 1.112 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.013 min

Lab File: VU052835.D

Acq: 27 Jan 2023 10:44

Instrument :

MSVOA_U

ClientSampleId :

A44L0

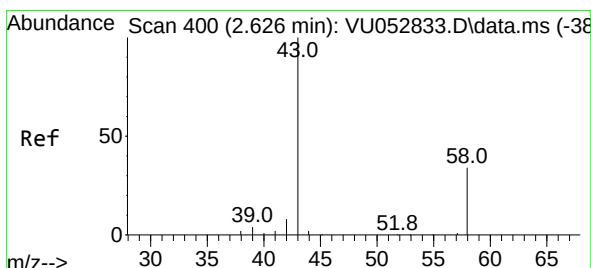
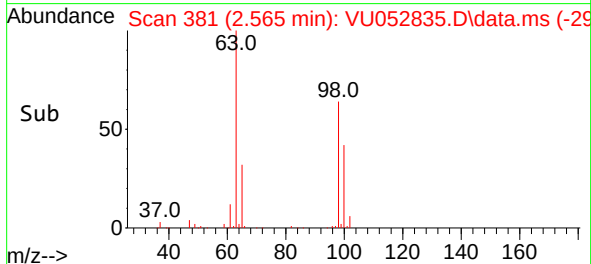
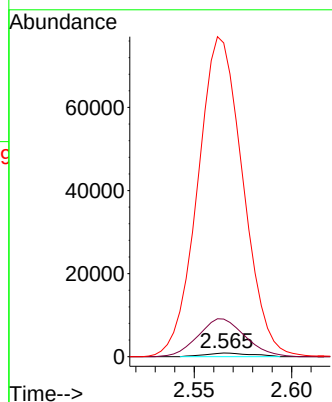
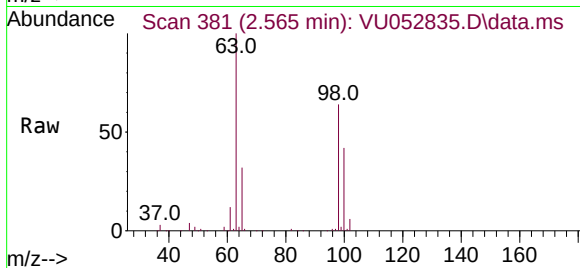
Tgt Ion: 96 Resp: 1456

Ion Ratio Lower Upper

96 100

61 1037.6 114.3 212.3#

63 8641.6 80.6 149.6#



#13

Acetone

Concen: 3.452 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.003 min

Lab File: VU052835.D

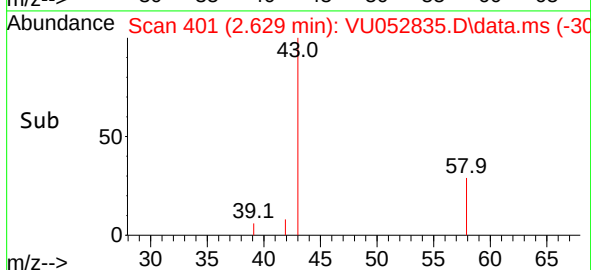
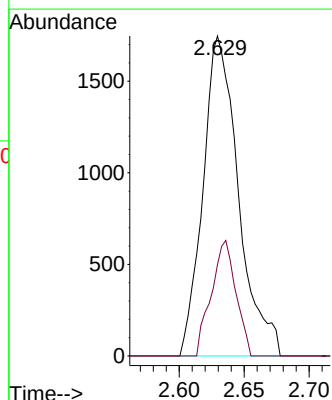
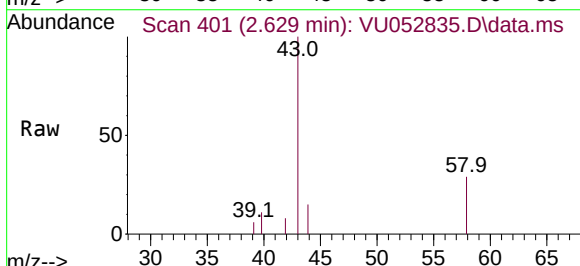
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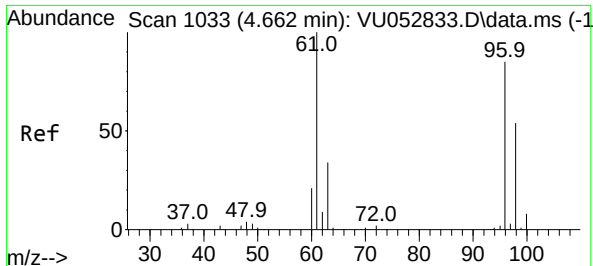
Tgt Ion: 43 Resp: 3317

Ion Ratio Lower Upper

43 100

58 24.9 0.0 70.2

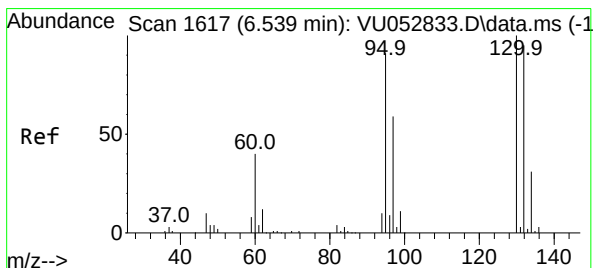
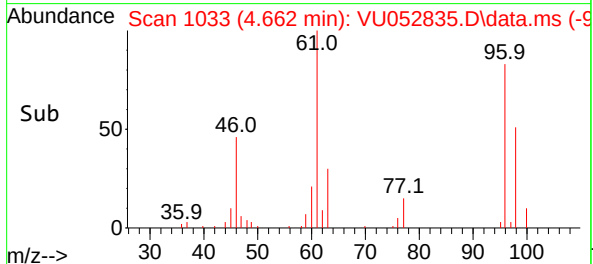
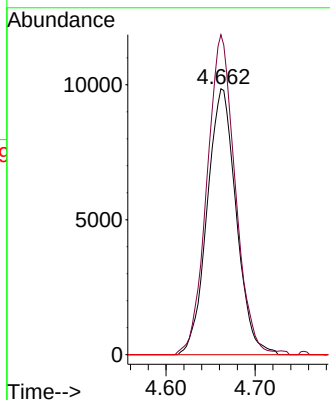
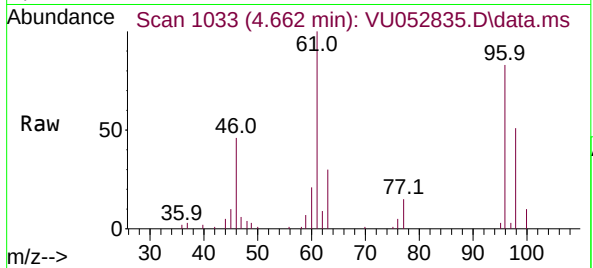




#20
cis-1,2-Dichloroethene
Concen: 14.825 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU052835.D
Acq: 27 Jan 2023 10:44

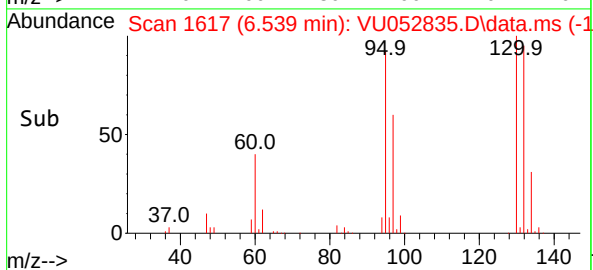
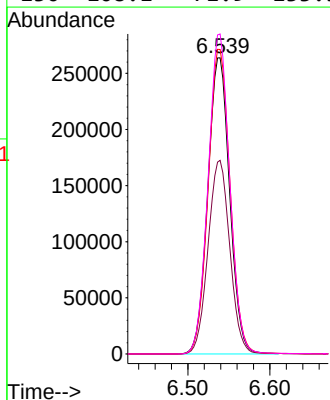
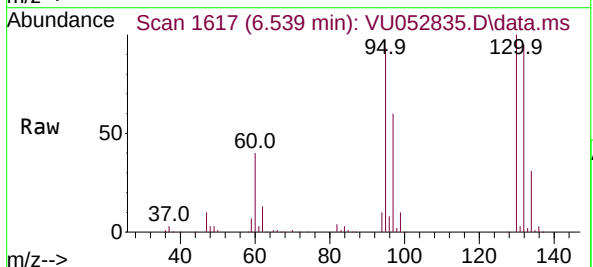
Instrument :
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A44L0

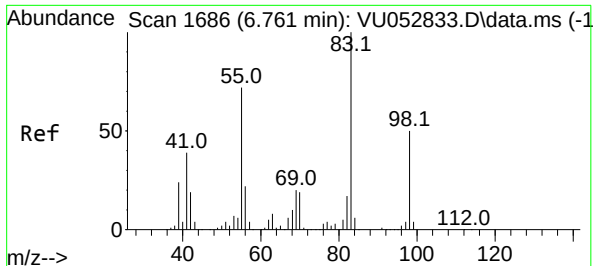
Tgt Ion: 96 Resp: 22387
Ion Ratio Lower Upper
96 100
61 120.3 84.1 156.1
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 327.429 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU052835.D
Acq: 27 Jan 2023 10:44

Tgt Ion: 95 Resp: 489847
Ion Ratio Lower Upper
95 100
97 65.4 44.5 82.7
132 102.8 66.8 124.0
130 108.1 71.9 133.5

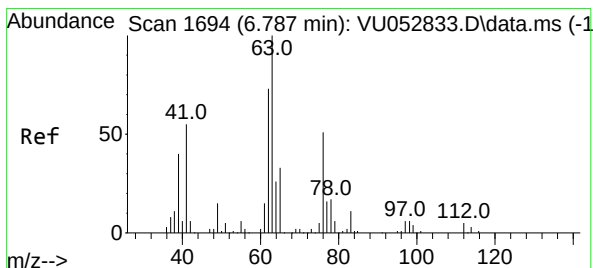
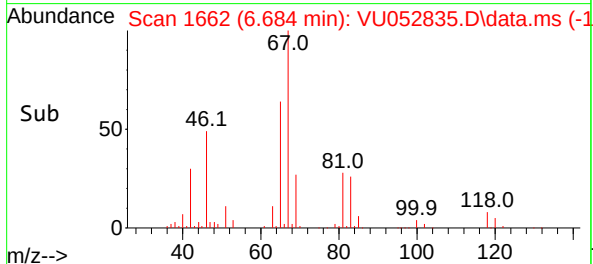
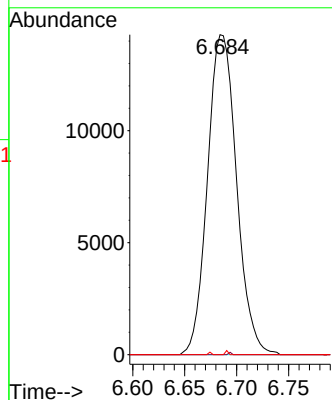
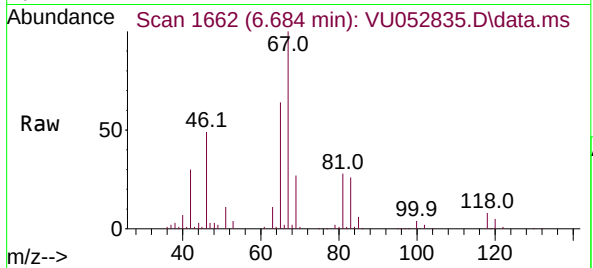




#35
Methylcyclohexane
Concen: 11.754 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.077 min
Lab File: VU052835.D
Acq: 27 Jan 2023 10:44

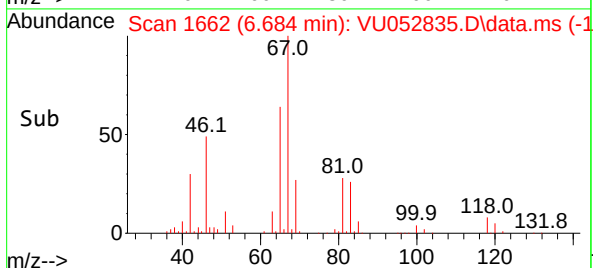
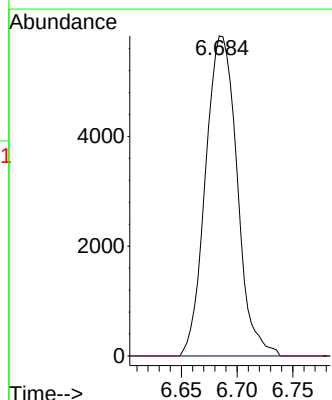
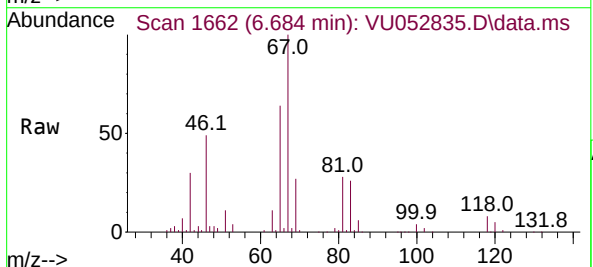
Instrument :
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ClientSampleId :
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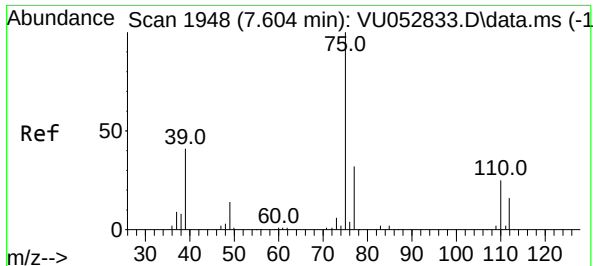
Tgt Ion: 83 Resp: 27832
Ion Ratio Lower Upper
83 100
55 0.0 57.1 85.7#
98 0.0 38.9 58.3#



#37
1,2-Dichloropropane
Concen: 7.943 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.103 min
Lab File: VU052835.D
Acq: 27 Jan 2023 10:44

Tgt Ion: 63 Resp: 11494
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#





#39

cis-1,3-Dichloropropene

Concen: 1.289 ug/L

RT: 7.559 min Scan# 1948

Delta R.T. -0.045 min

Lab File: VU052835.D

Acq: 27 Jan 2023 10:44

Instrument :

MSVOA_U

ClientSampleId :

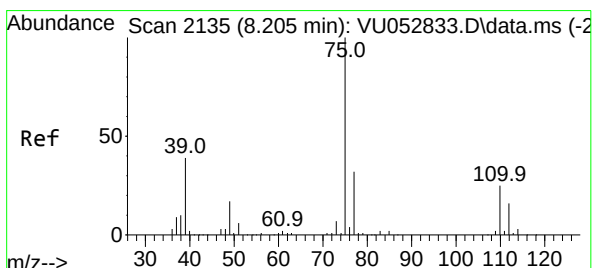
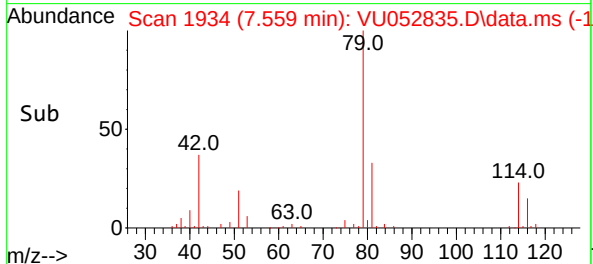
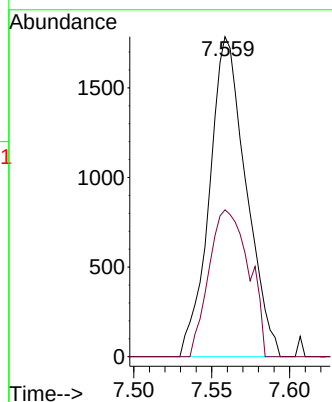
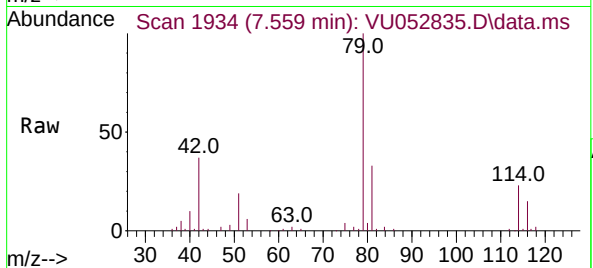
A44L0

Tgt Ion: 75 Resp: 2923

Ion Ratio Lower Upper

75 100

77 45.9 21.6 40.0#



#44

trans-1,3-Dichloropropene

Concen: 1.004 ug/L

RT: 8.176 min Scan# 2126

Delta R.T. -0.029 min

Lab File: VU052835.D

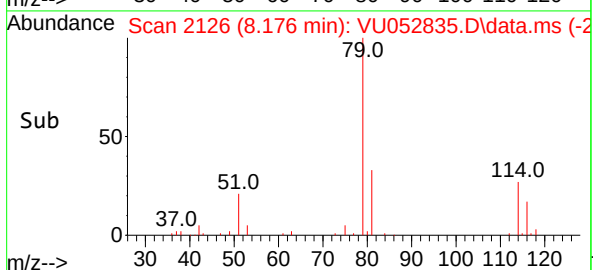
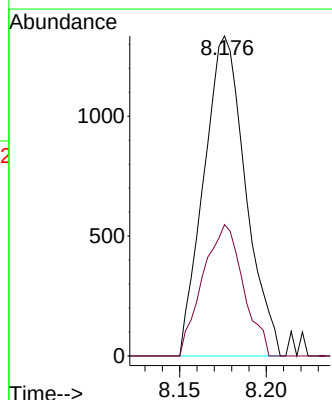
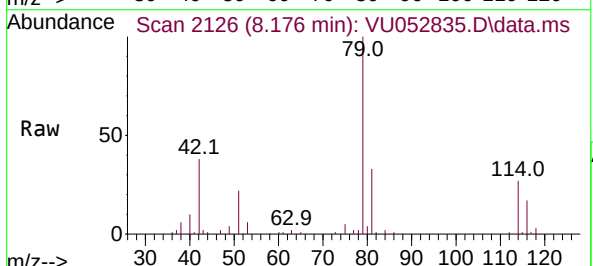
Acq: 27 Jan 2023 10:44

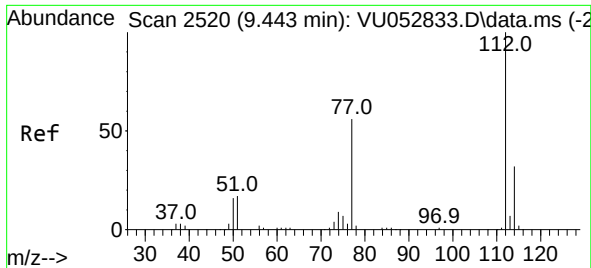
Tgt Ion: 75 Resp: 2236

Ion Ratio Lower Upper

75 100

77 41.0 22.3 41.3

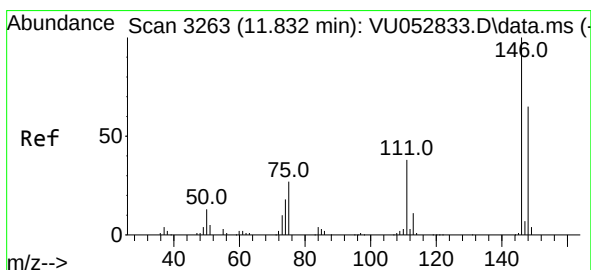
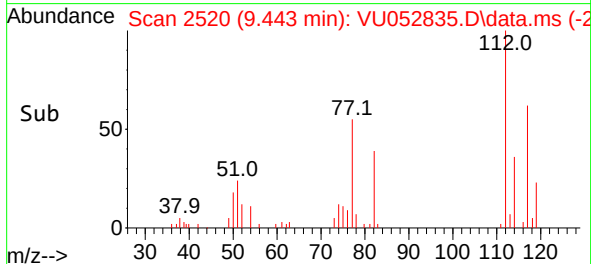
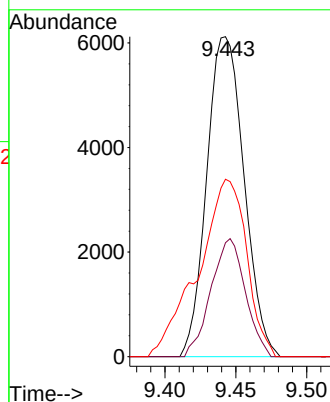
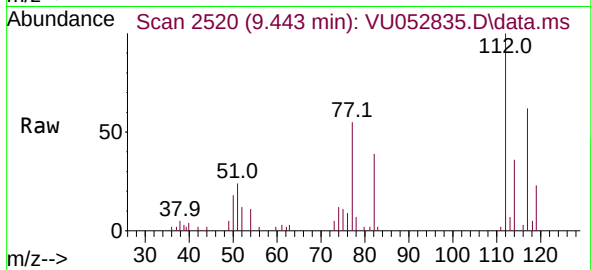




#51
Chlorobenzene
Concen: 2.704 ug/L
RT: 9.443 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052835.D
Acq: 27 Jan 2023 10:44

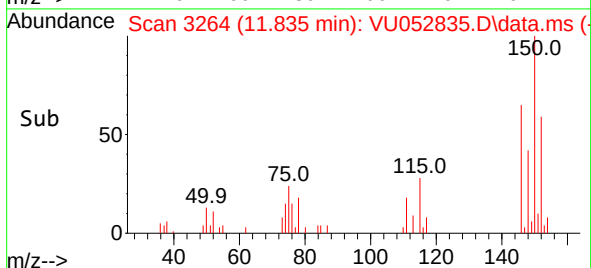
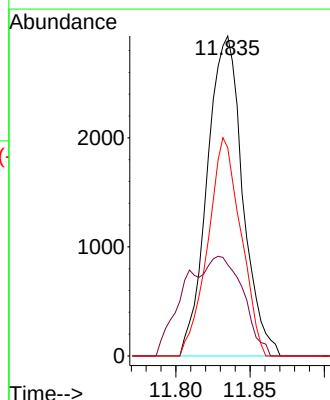
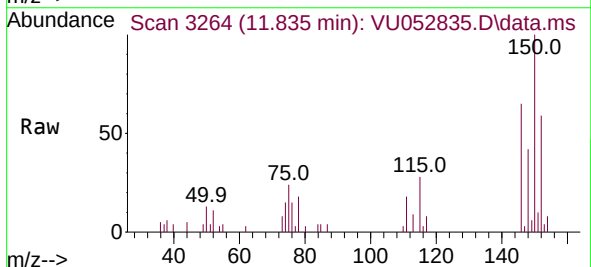
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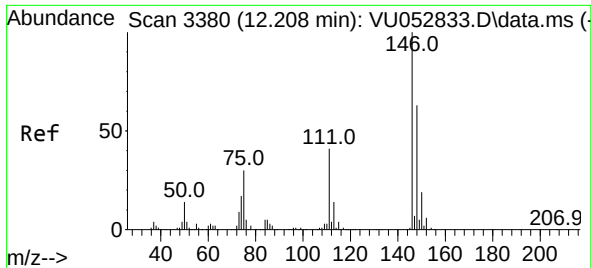
Tgt Ion:112 Resp: 11224
Ion Ratio Lower Upper
112 100
114 35.6 22.8 42.4
77 55.5 45.9 68.9



#65
1,4-Dichlorobenzene
Concen: 1.808 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU052835.D
Acq: 27 Jan 2023 10:44

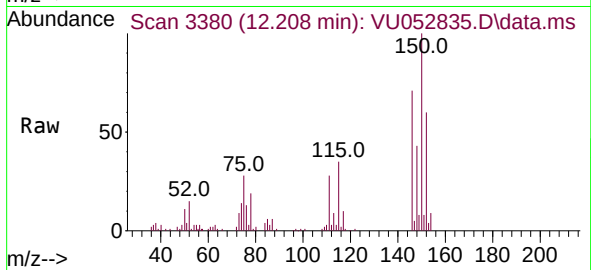
Tgt Ion:146 Resp: 4875
Ion Ratio Lower Upper
146 100
111 28.5 26.7 49.7
148 65.1 45.6 84.6





#67
 1,2-Dichlorobenzene
 Concen: 11.408 ug/L
 RT: 12.208 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU052835.D
 Acq: 27 Jan 2023 10:44

Instrument :
 MSVOA_U
 ClientSampleId :
 A44L0



Tgt Ion:	146	Resp:	30060
Ion Ratio	Lower	Upper	
146	100		
111	39.0	33.2	49.8
148	60.8	50.2	75.4

