

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U030824\
 Data File : VU058008.D
 Acq On : 08 Mar 2024 11:36
 Operator : MD/SY
 Sample : P1636-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DCN00

Quant Time: Mar 09 00:11:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 09 00:10:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	146967	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	137748	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	66464	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	44947	4.251	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.000%
7) Chloroethane-d5	1.908	69	40853	4.701	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.000%
11) 1,1-Dichloroethene-d2	2.560	65	20187	4.412	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.200%
20) 2-Butanone-d5	4.612	46	92929	53.338	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.680%
24) Chloroform-d	5.052	84	93362	4.668	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	5.695	65	45048	4.971	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.721	84	189296	4.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.682	67	60303	4.941	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.800%
41) Toluene-d8	7.891	98	163333	4.491	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.800%
43) trans-1,3-Dichloroprop...	8.177	79	20119	4.794	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.800%
46) 2-Hexanone-d5	8.627	63	78411	55.652	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.300%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	38558	5.152	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	55960	5.112	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	130907	11.688	ug/L	98
12) 1,1-Dichloroethene	2.573	96	137094	15.460	ug/L	# 73
16) Methylene chloride	3.036	84	238349	22.115	ug/L	98
18) trans-1,2-Dichloroethene	3.345	96	164233	17.003	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	68011	6.401	ug/L	94
27) 1,2-Dichloroethane	5.785	62	35001	3.214	ug/L	99
29) 1,1,1-Trichloroethane	5.306	97	235373	14.356	ug/L	99
31) Carbon tetrachloride	5.515	117	176590	12.395	ug/L	99
33) Benzene	5.766	78	834452	19.741	ug/L	100
34) Trichloroethene	6.538	95	60317	5.423	ug/L	98
37) 1,2-Dichloropropane	6.782	63	173060	15.878	ug/L	99
42) Toluene	7.962	91	941927	21.398	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	28512	4.412	ug/L	96
47) Tetrachloroethene	8.547	164	121654	15.766	ug/L	96
51) Chlorobenzene	9.441	112	353696	12.813	ug/L	98
52) Ethylbenzene	9.563	91	932121	18.922	ug/L	99
53) m,p-Xylene	9.685	106	303667	17.254	ug/L	99
54) o-Xylene	10.094	106	116571	6.646	ug/L	100
55) Styrene	10.110	104	590675	21.455	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030824\
Data File : VU058008.D
Acq On : 08 Mar 2024 11:36
Operator : MD/SY
Sample : P1636-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCNO0

Quant Time: Mar 09 00:11:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Mar 09 00:10:03 2024
Response via : Initial Calibration

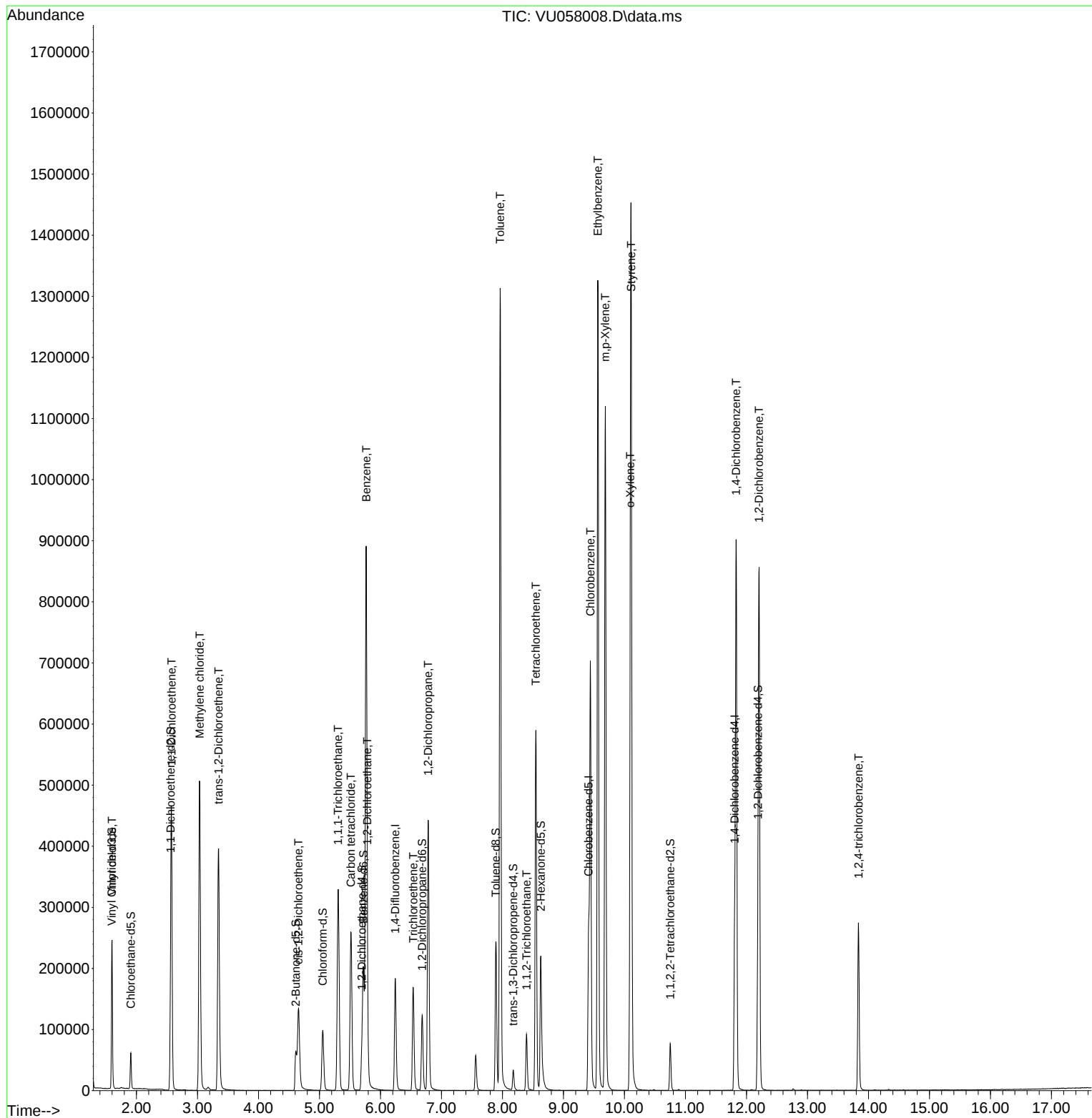
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.830	146	334199	16.970	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	313176	17.829	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	80341	7.388	ug/L	98

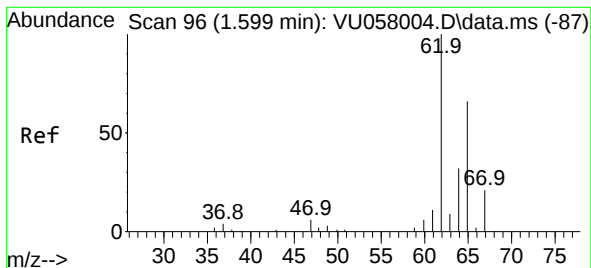
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030824\
Data File : VU058008.D
Acq On : 08 Mar 2024 11:36
Operator : MD/SY
Sample : P1636-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DCNO0

Quant Time: Mar 09 00:11:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Mar 09 00:10:03 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 11.688 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU058008.D

Acq: 08 Mar 2024 11:36

Instrument :

MSVOA_U

ClientSampleId :

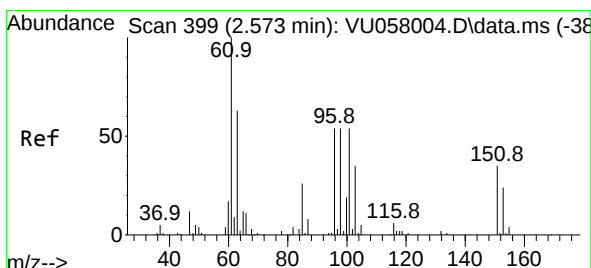
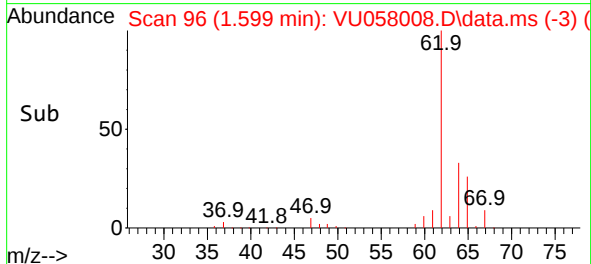
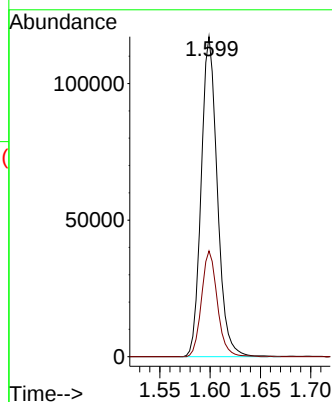
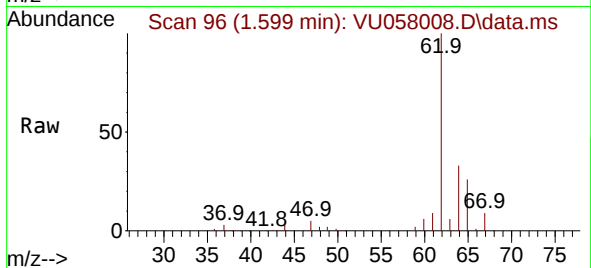
DCNO0

Tgt Ion: 62 Resp: 130907

Ion Ratio Lower Upper

62 100

64 33.1 22.5 41.7



#12

1,1-Dichloroethene

Concen: 15.460 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU058008.D

Acq: 08 Mar 2024 11:36

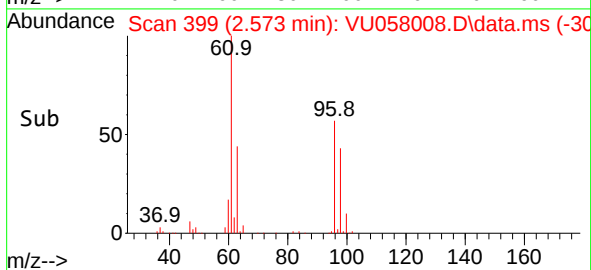
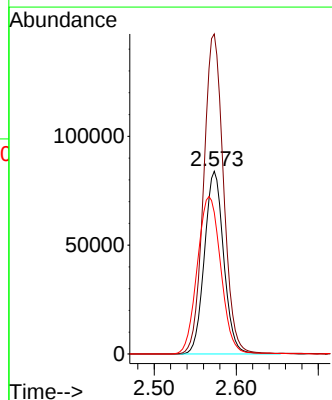
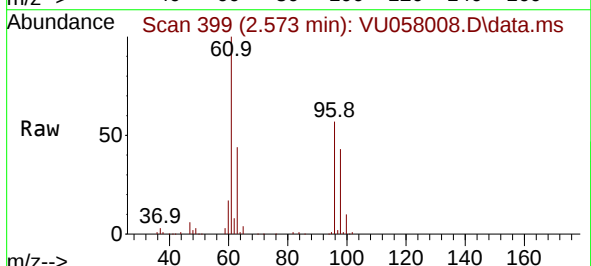
Tgt Ion: 96 Resp: 137094

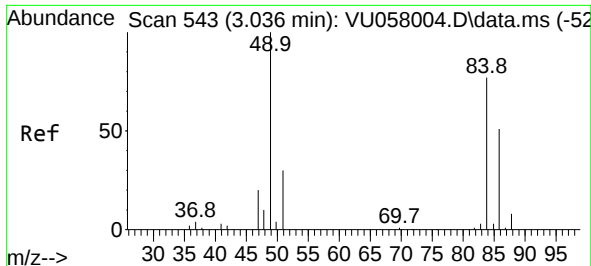
Ion Ratio Lower Upper

96 100

61 175.2 131.8 244.8

63 77.4 98.1 182.1#

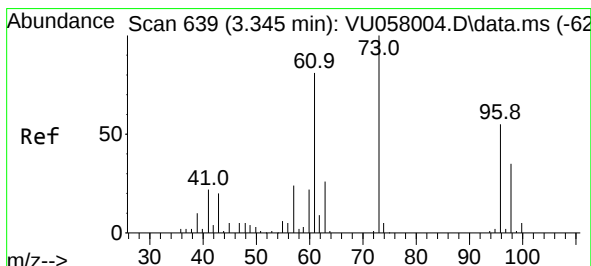
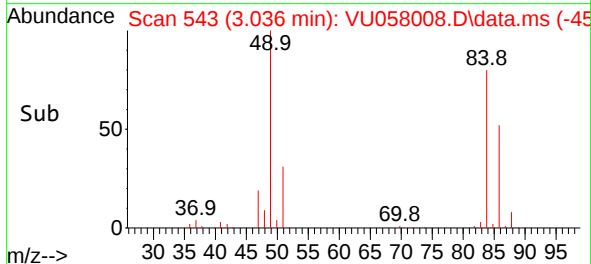
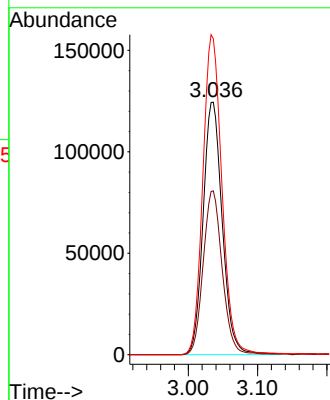
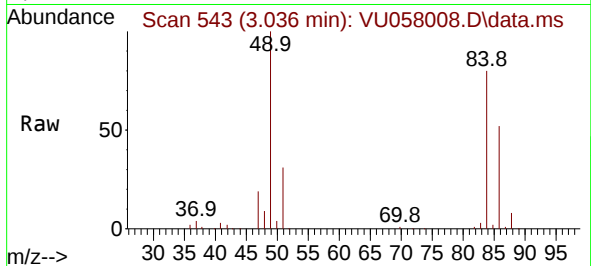




#16
Methylene chloride
Concen: 22.115 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU058008.D
Acq: 08 Mar 2024 11:36

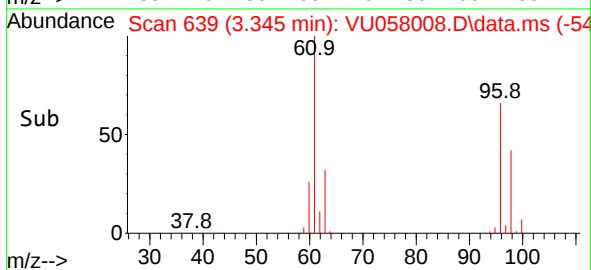
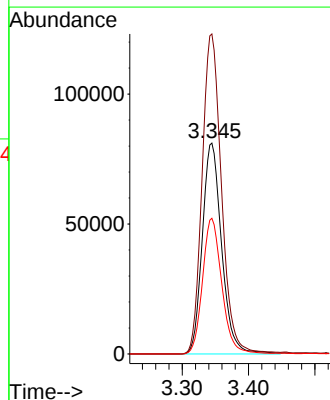
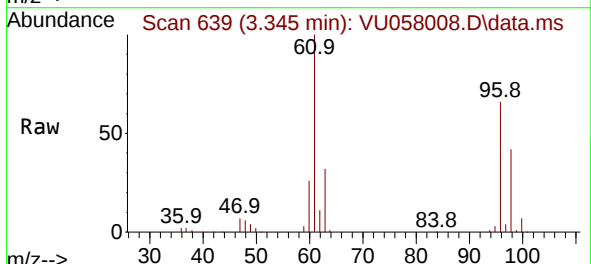
Instrument :
MSVOA_U
ClientSampleId :
DCNO0

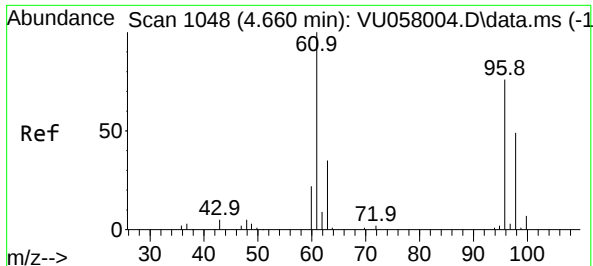
Tgt Ion: 84 Resp: 238349
Ion Ratio Lower Upper
84 100
86 64.9 44.4 82.4
49 125.1 88.8 165.0



#18
trans-1,2-Dichloroethene
Concen: 17.003 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU058008.D
Acq: 08 Mar 2024 11:36

Tgt Ion: 96 Resp: 164233
Ion Ratio Lower Upper
96 100
61 151.7 107.7 199.9
98 64.3 45.8 85.0

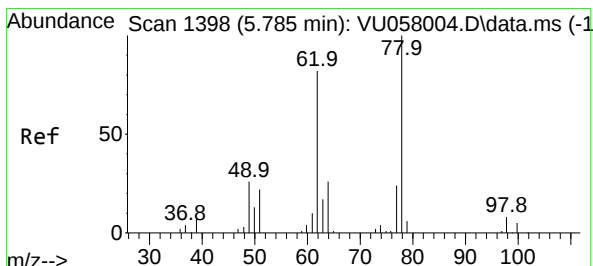
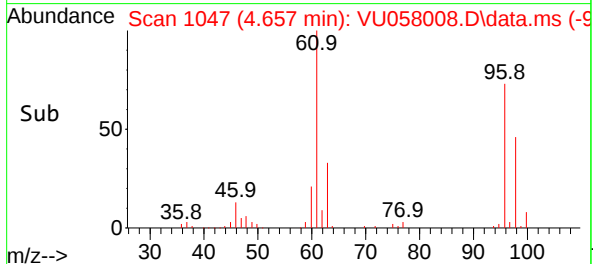
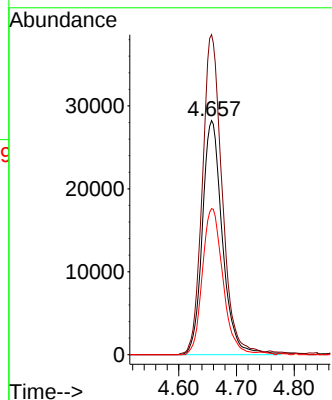
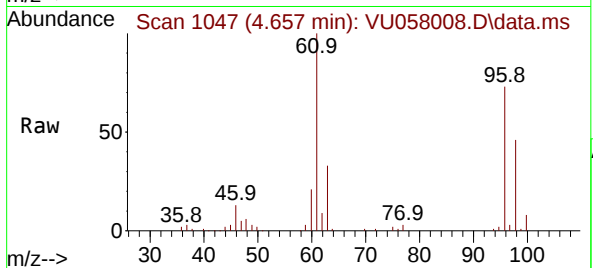




#22
 cis-1,2-Dichloroethene
 Concen: 6.401 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: VU058008.D
 Acq: 08 Mar 2024 11:36

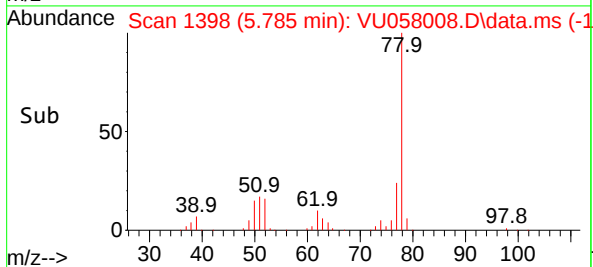
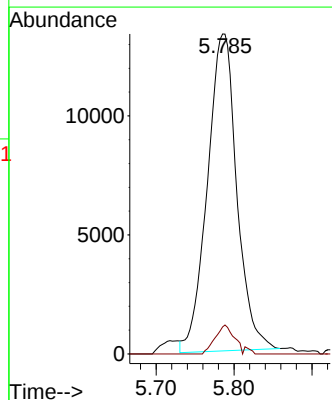
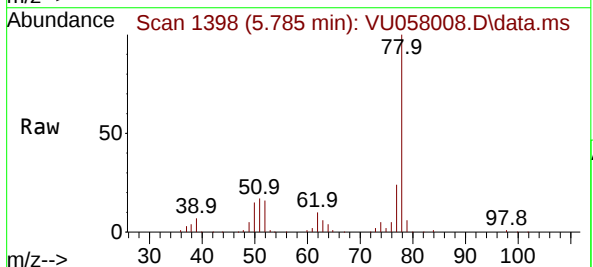
Instrument :
 MSVOA_U
 ClientSampleId :
 DCNO0

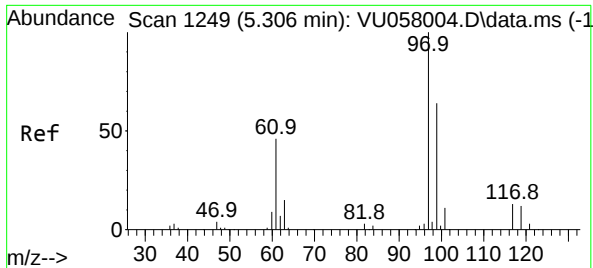
Tgt Ion: 96 Resp: 68011
 Ion Ratio Lower Upper
 96 100
 61 131.8 97.2 180.4
 98 60.2 45.5 84.5



#27
 1,2-Dichloroethane
 Concen: 3.214 ug/L
 RT: 5.785 min Scan# 1398
 Delta R.T. 0.000 min
 Lab File: VU058008.D
 Acq: 08 Mar 2024 11:36

Tgt Ion: 62 Resp: 35001
 Ion Ratio Lower Upper
 62 100
 98 8.4 7.0 10.4

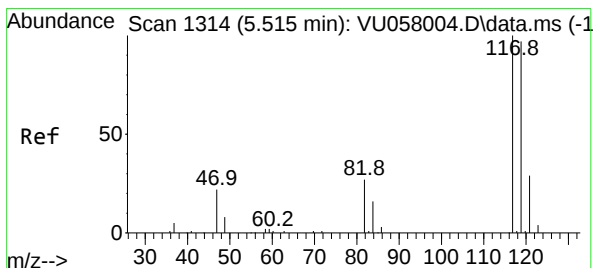
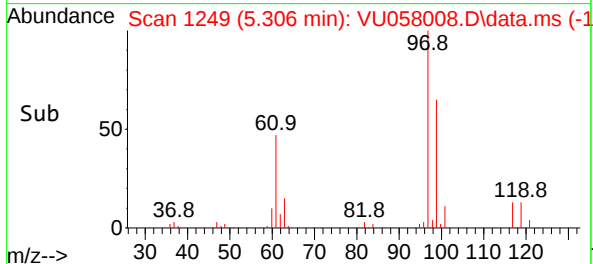
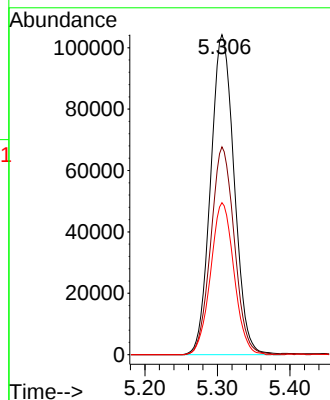
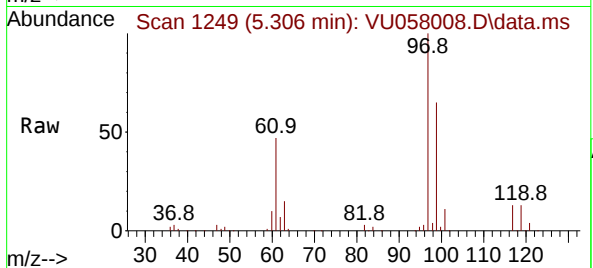




#29
1,1,1-Trichloroethane
Concen: 14.356 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU058008.D
Acq: 08 Mar 2024 11:36

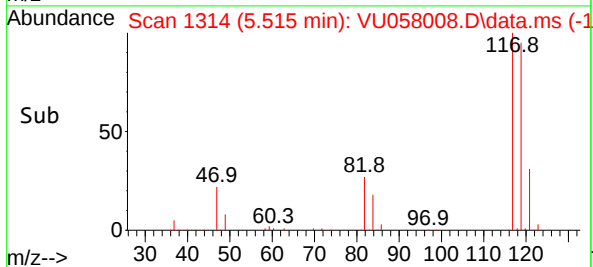
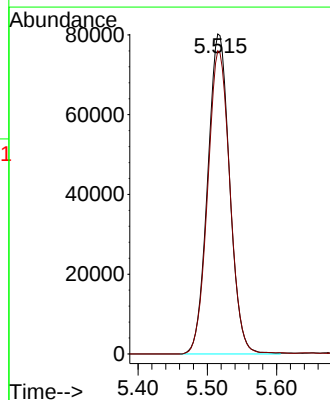
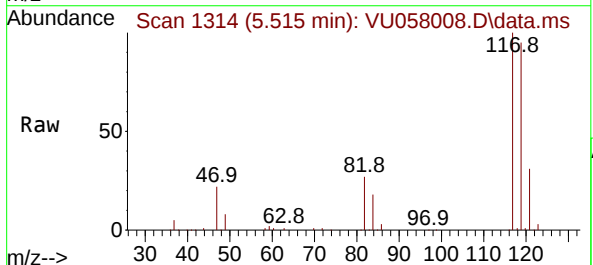
Instrument :
MSVOA_U
ClientSampleId :
DCNO0

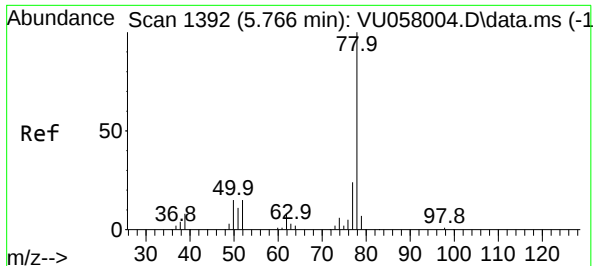
Tgt Ion: 97 Resp: 235373
Ion Ratio Lower Upper
97 100
99 64.9 51.2 76.8
61 47.2 37.4 56.2



#31
Carbon tetrachloride
Concen: 12.395 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VU058008.D
Acq: 08 Mar 2024 11:36

Tgt Ion: 117 Resp: 176590
Ion Ratio Lower Upper
117 100
119 96.2 75.8 113.8

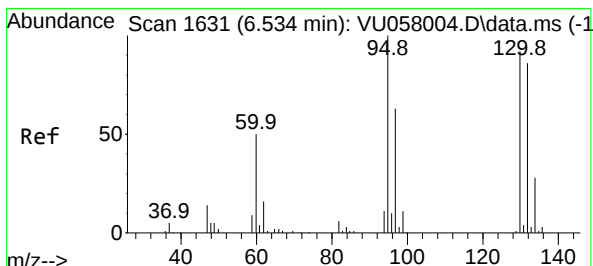
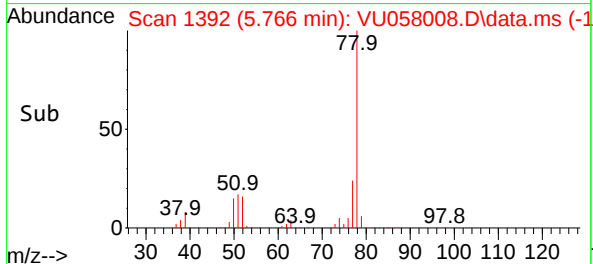
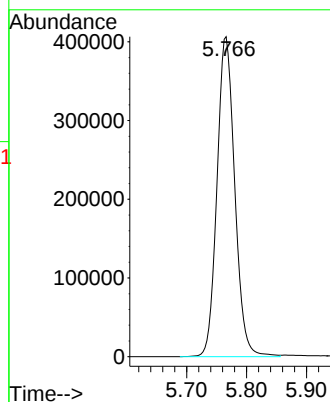
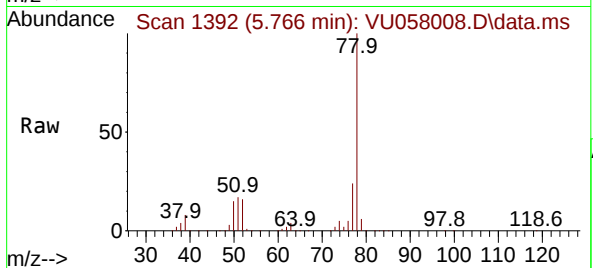




#33
Benzene
Concen: 19.741 ug/L
RT: 5.766 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU058008.D
Acq: 08 Mar 2024 11:36

Instrument :
MSVOA_U
ClientSampleId :
DCNO0

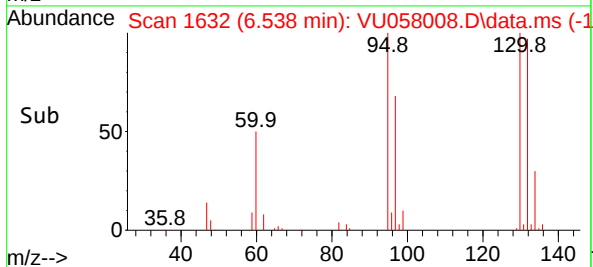
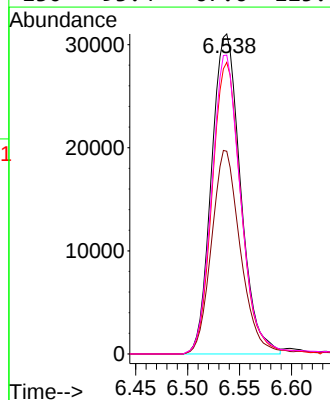
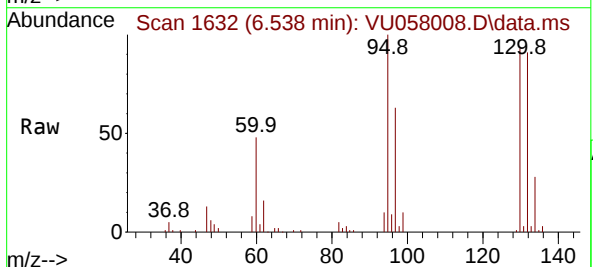
Tgt Ion: 78 Resp: 834452

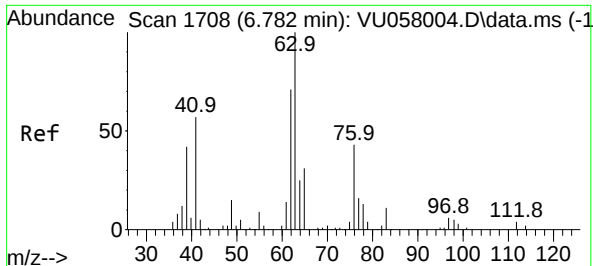


#34
Trichloroethene
Concen: 5.423 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.003 min
Lab File: VU058008.D
Acq: 08 Mar 2024 11:36

Tgt Ion: 95 Resp: 60317

Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.3	84.1
132	91.1	63.1	117.1
130	93.4	67.6	125.6





#37

1,2-Dichloropropane

Concen: 15.878 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU058008.D

Acq: 08 Mar 2024 11:36

Instrument :

MSVOA_U

ClientSampleId :

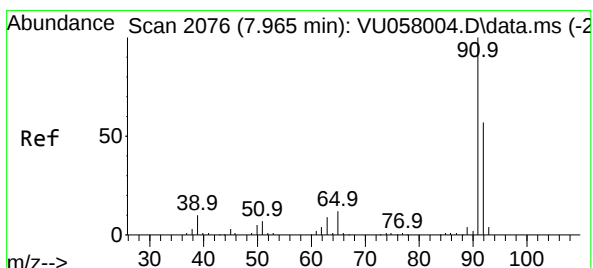
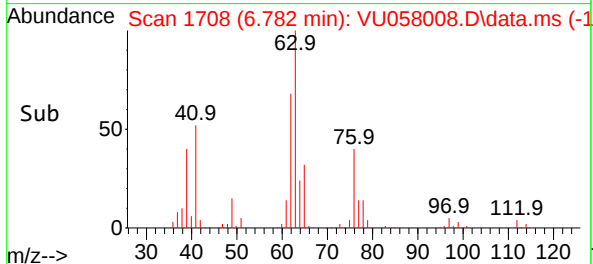
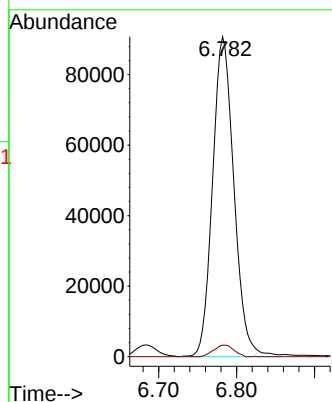
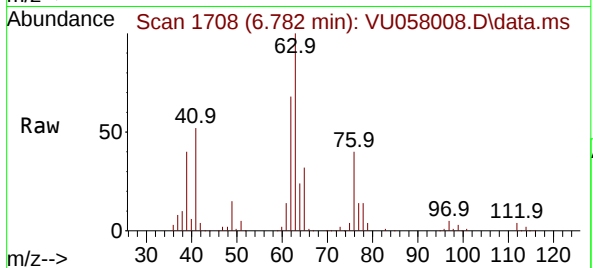
DCNO0

Tgt Ion: 63 Resp: 173060

Ion Ratio Lower Upper

63 100

112 3.4 3.0 4.4



#42

Toluene

Concen: 21.398 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.003 min

Lab File: VU058008.D

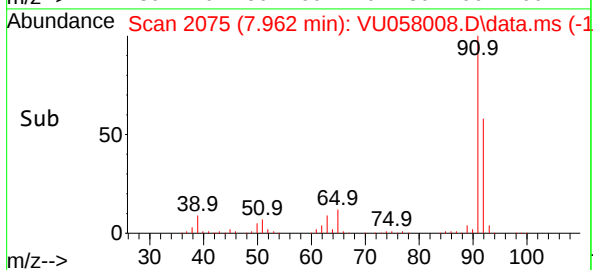
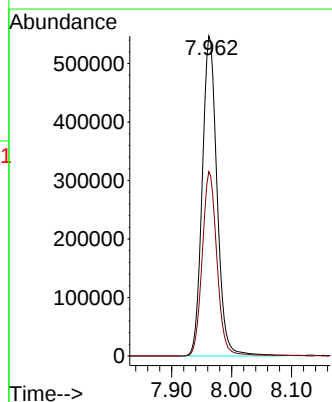
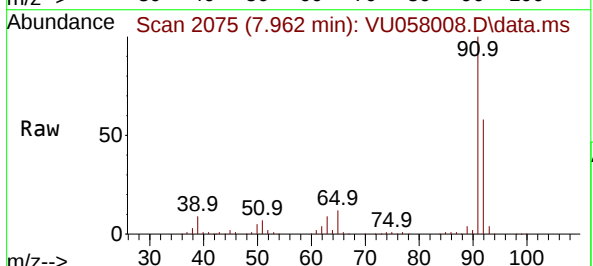
Acq: 08 Mar 2024 11:36

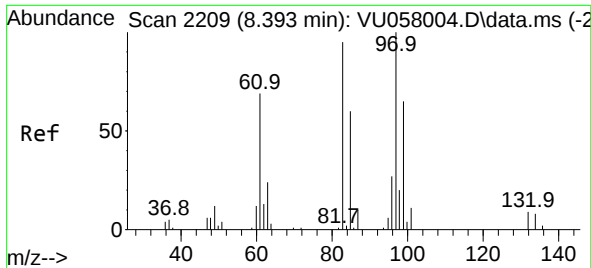
Tgt Ion: 91 Resp: 941927

Ion Ratio Lower Upper

91 100

92 57.6 40.2 74.6

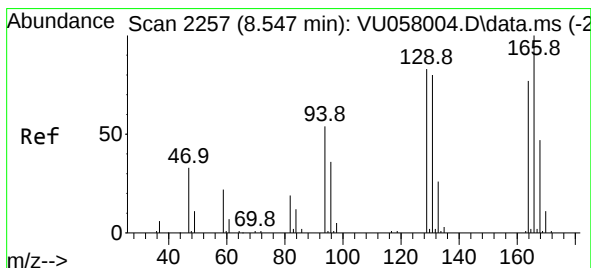
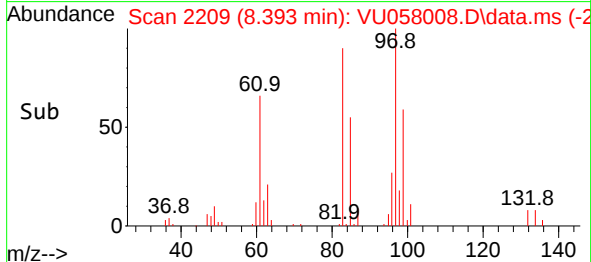
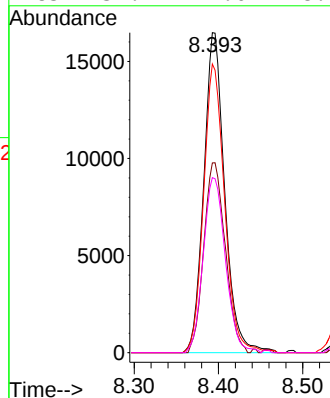
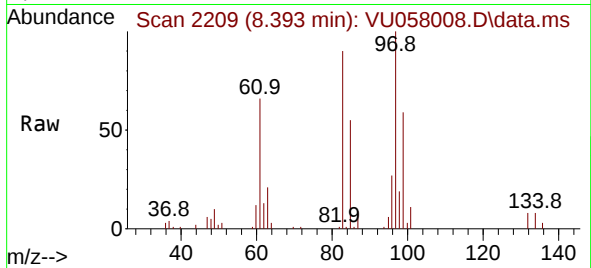




#45
1,1,2-Trichloroethane
Concen: 4.412 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU058008.D
Acq: 08 Mar 2024 11:36

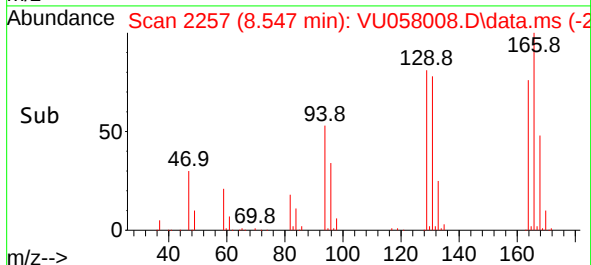
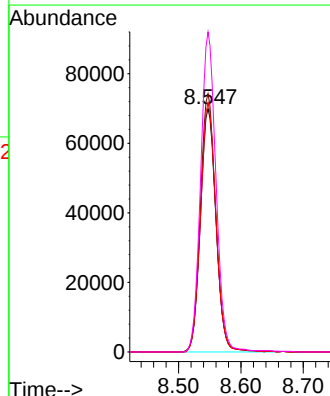
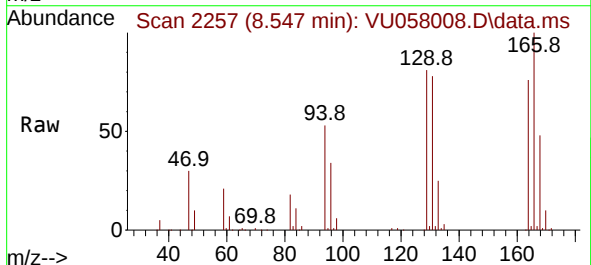
Instrument :
MSVOA_U
ClientSampleId :
DCNO0

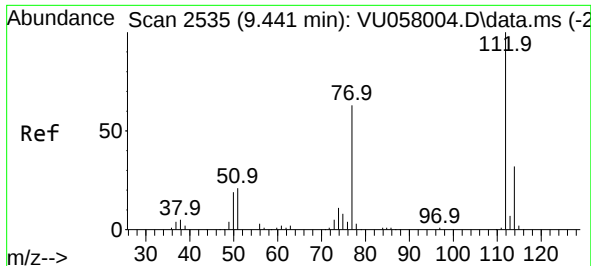
Tgt Ion: 97	Resp: 28512
Ion Ratio	Lower Upper
97 100	
99 59.3	44.2 82.2
83 90.2	64.2 119.2
85 54.7	42.0 78.0



#47
Tetrachloroethene
Concen: 15.766 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058008.D
Acq: 08 Mar 2024 11:36

Tgt	Ion:164	Resp:	121654
Ion	Ratio	Lower	Upper
164	100		
129	106.1	69.3	128.7
131	102.4	69.9	129.9
166	131.6	90.1	167.3

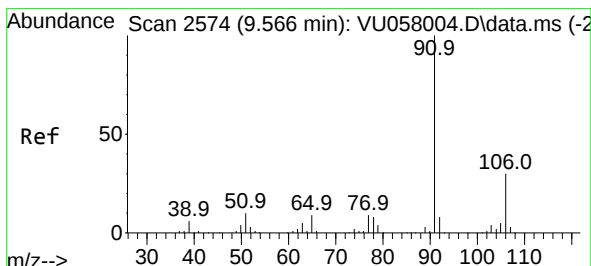
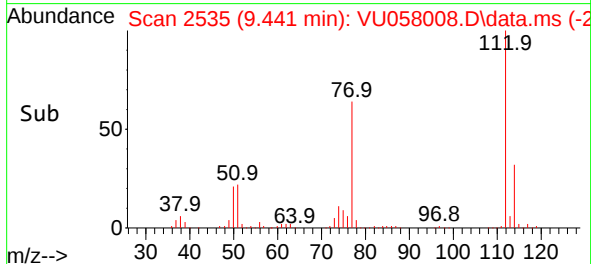
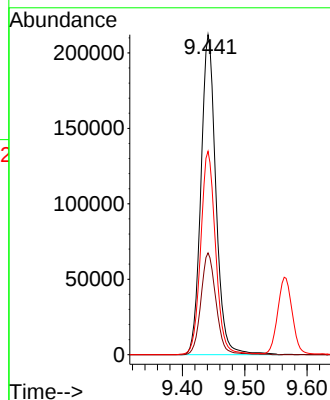
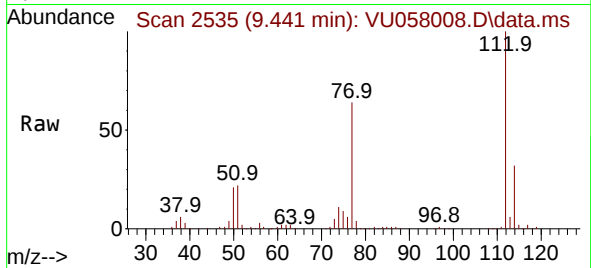




#51
Chlorobenzene
Concen: 12.813 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058008.D
Acq: 08 Mar 2024 11:36

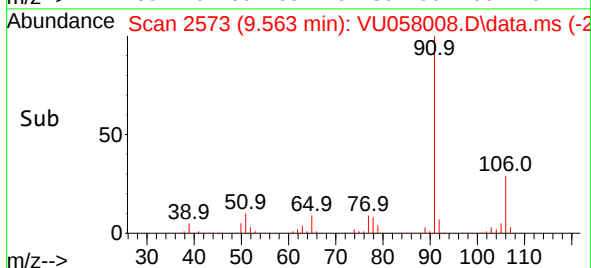
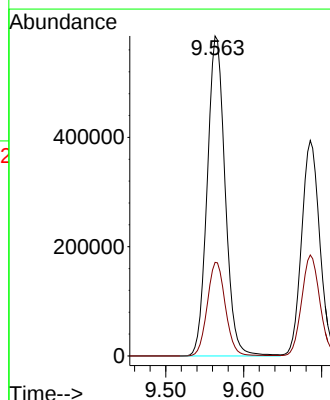
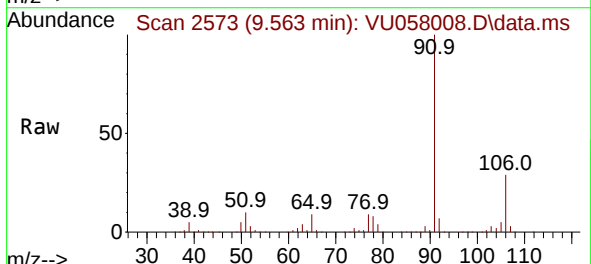
Instrument :
MSVOA_U
ClientSampleId :
DCNO0

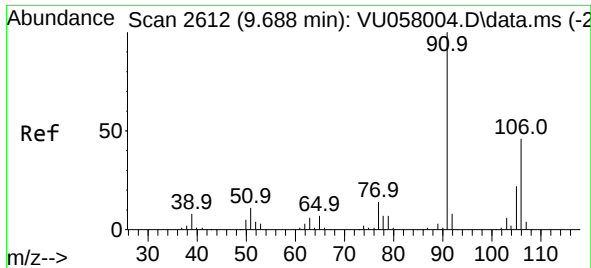
Tgt Ion:112 Resp: 353696
Ion Ratio Lower Upper
112 100
114 31.8 22.7 42.1
77 63.5 52.3 78.5



#52
Ethylbenzene
Concen: 18.922 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.003 min
Lab File: VU058008.D
Acq: 08 Mar 2024 11:36

Tgt Ion: 91 Resp: 932121
Ion Ratio Lower Upper
91 100
106 29.3 20.9 38.7

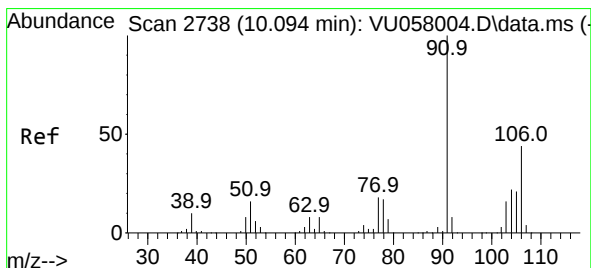
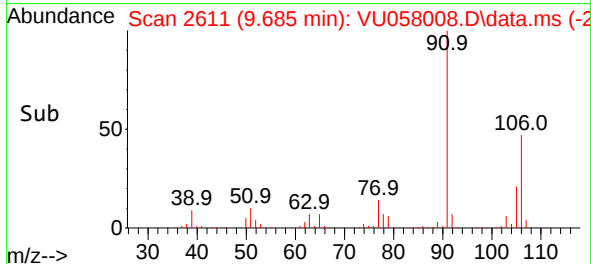
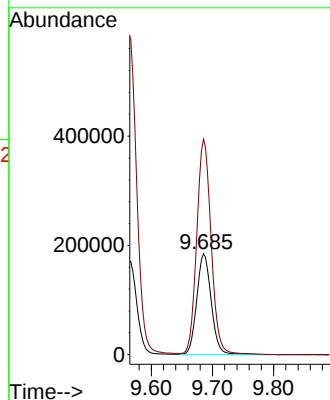
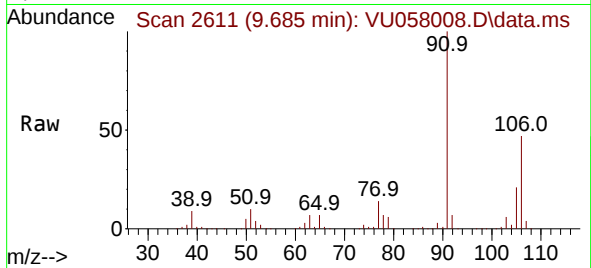




#53
m,p-Xylene
Concen: 17.254 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU058008.D
Acq: 08 Mar 2024 11:36

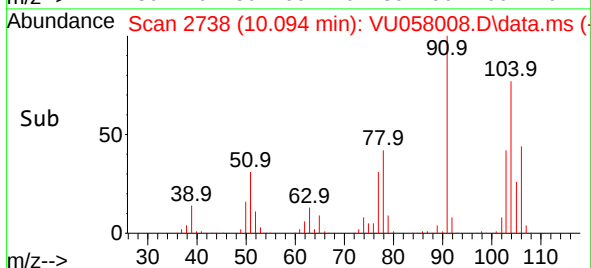
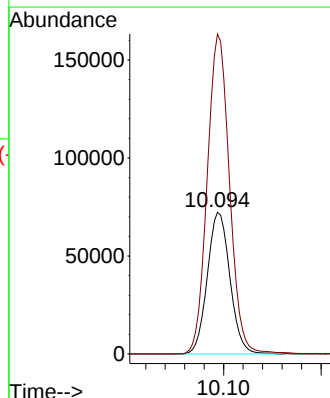
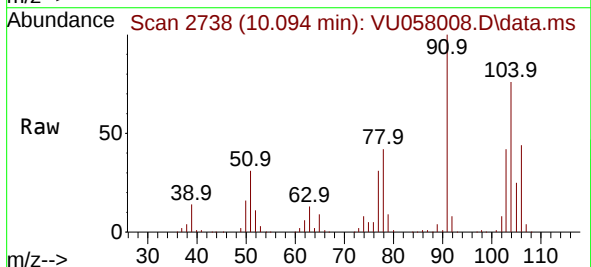
Instrument :
MSVOA_U
ClientSampleId :
DCNO0

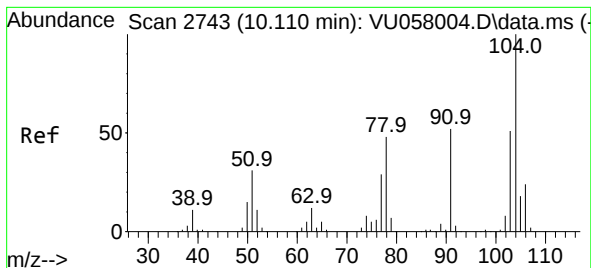
Tgt Ion:106 Resp: 303667
Ion Ratio Lower Upper
106 100
91 213.4 148.8 276.4



#54
o-Xylene
Concen: 6.646 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU058008.D
Acq: 08 Mar 2024 11:36

Tgt Ion:106 Resp: 116571
Ion Ratio Lower Upper
106 100
91 225.7 158.3 294.1





#55

Styrene

Concen: 21.455 ug/L

RT: 10.110 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU058008.D

Acq: 08 Mar 2024 11:36

Instrument :

MSVOA_U

ClientSampleId :

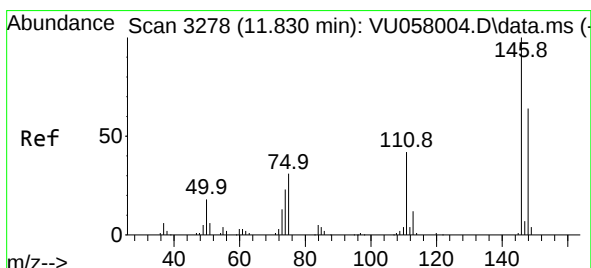
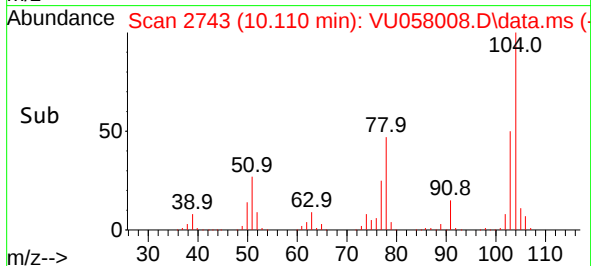
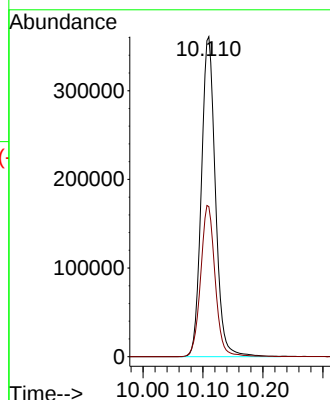
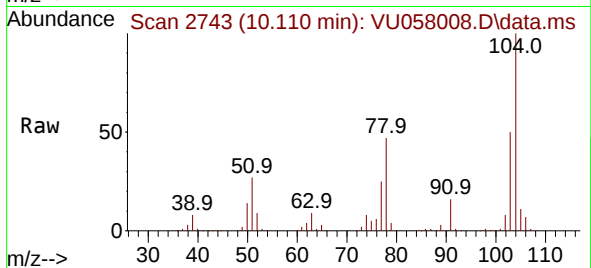
DCNO0

Tgt Ion:104 Resp: 590675

Ion Ratio Lower Upper

104 100

78 46.9 34.2 63.4



#65

1,4-Dichlorobenzene

Concen: 16.970 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU058008.D

Acq: 08 Mar 2024 11:36

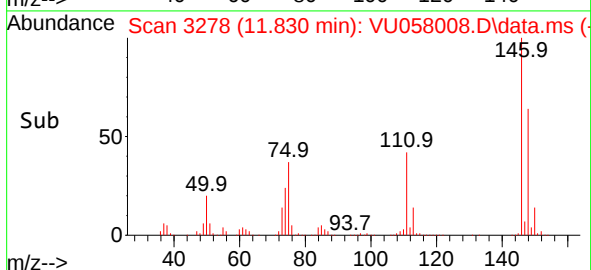
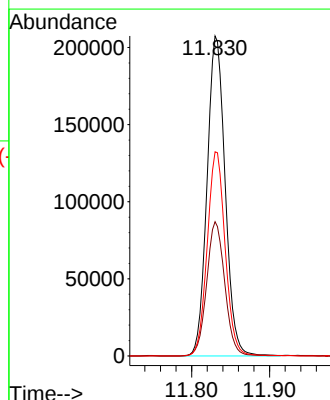
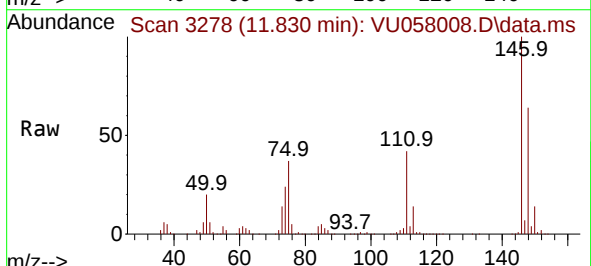
Tgt Ion:146 Resp: 334199

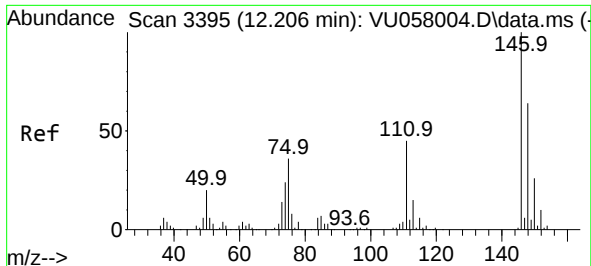
Ion Ratio Lower Upper

146 100

111 42.0 30.1 55.9

148 63.8 45.0 83.6

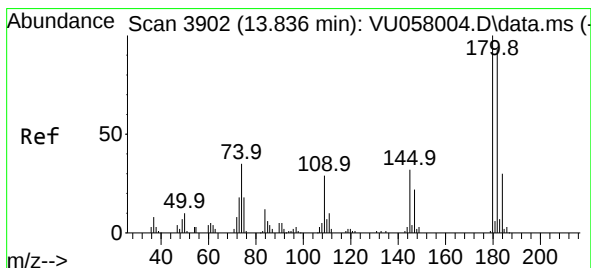
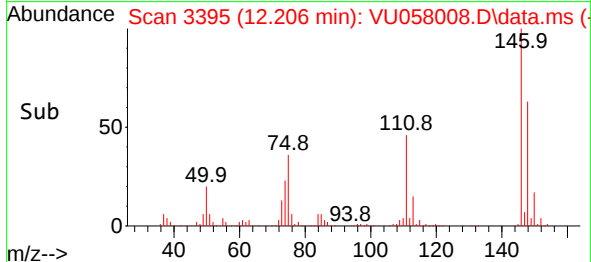
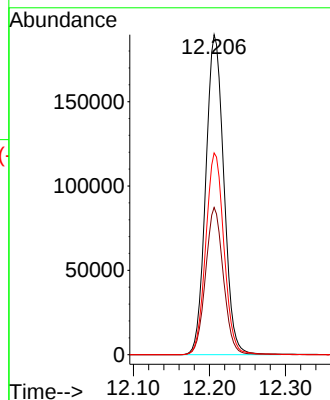
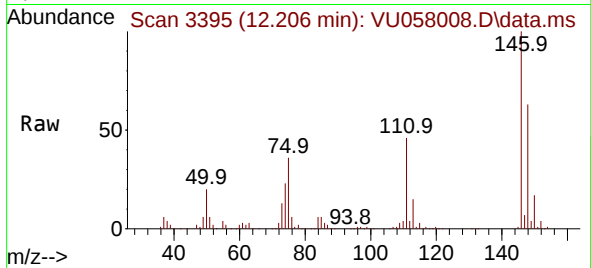




#67
1,2-Dichlorobenzene
Concen: 17.829 ug/L
RT: 12.206 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU058008.D
Acq: 08 Mar 2024 11:36

Instrument :
MSVOA_U
ClientSampleId :
DCNO0

Tgt Ion:146 Resp: 313176
Ion Ratio Lower Upper
146 100
111 46.0 37.4 56.0
148 63.0 50.8 76.2



#70
1,2,4-trichlorobenzene
Concen: 7.388 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.000 min
Lab File: VU058008.D
Acq: 08 Mar 2024 11:36

Tgt Ion:180 Resp: 80341
Ion Ratio Lower Upper
180 100
182 94.7 77.9 116.9
145 32.3 25.8 38.8

