

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U030824\
 Data File : U058010.D
 Acq On : 08 Mar 2024 12:23
 Operator : MD/SY
 Sample : P1636-01DL 2X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DCN00DL

Quant Time: Mar 09 00:12:04 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	146923	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	139698	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	66057	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	46347	4.384	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.600%
7) Chloroethane-d5	1.907	69	41024	4.722	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.400%
11) 1,1-Dichloroethene-d2	2.560	65	21017	4.594	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.800%
20) 2-Butanone-d5	4.611	46	92872	53.322	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.640%
24) Chloroform-d	5.052	84	96359	4.820	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.692	65	47243	5.215	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.400%
32) Benzene-d6	5.717	84	192184	4.721	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.682	67	61520	4.971	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.400%
41) Toluene-d8	7.891	98	168341	4.564	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.177	79	19961	4.690	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.800%
46) 2-Hexanone-d5	8.627	63	81295	56.893	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.780%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	39288	5.177	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	56670	5.209	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	66487	5.938	ug/L	100
12) 1,1-Dichloroethene	2.573	96	69299	7.817	ug/L	# 81
16) Methylene chloride	3.036	84	126432	11.734	ug/L	98
18) trans-1,2-Dichloroethene	3.345	96	82918	8.587	ug/L	100
22) cis-1,2-Dichloroethene	4.656	96	34902	3.286	ug/L	98
27) 1,2-Dichloroethane	5.785	62	18438	1.694	ug/L	97
29) 1,1,1-Trichloroethane	5.306	97	118871	7.149	ug/L	99
31) Carbon tetrachloride	5.518	117	87732	6.072	ug/L	99
33) Benzene	5.766	78	425694	9.930	ug/L	100
34) Trichloroethene	6.537	95	30934	2.743	ug/L	96
37) 1,2-Dichloropropane	6.782	63	87468	7.913	ug/L	100
42) Toluene	7.962	91	469083	10.508	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	14545	2.219	ug/L	98
47) Tetrachloroethene	8.547	164	61397	7.846	ug/L	96
51) Chlorobenzene	9.441	112	184607	6.594	ug/L	96
52) Ethylbenzene	9.563	91	466866	9.345	ug/L	99
53) m,p-Xylene	9.685	106	152297	8.533	ug/L	100
54) o-Xylene	10.094	106	58721	3.301	ug/L	98
55) Styrene	10.110	104	291229	10.430	ug/L	97

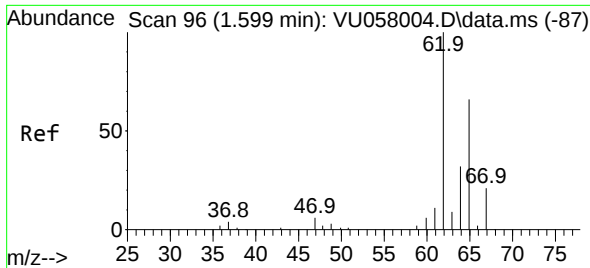
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030824\
Data File : VU058010.D
Acq On : 08 Mar 2024 12:23
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Mar 09 00:10:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.830	146	169449	8.657	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	159977	9.163	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	41568	3.846	ug/L	99

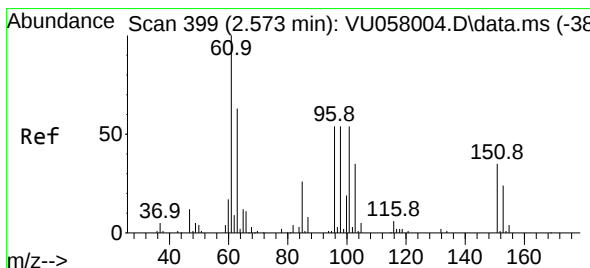
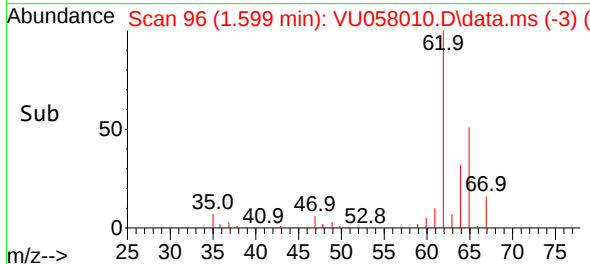
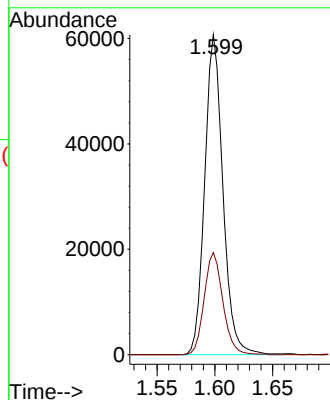
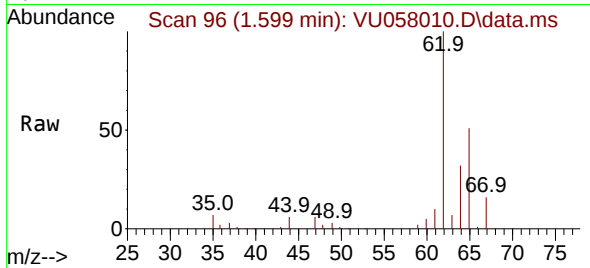
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 5.938 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU058010.D
 Acq: 08 Mar 2024 12:23

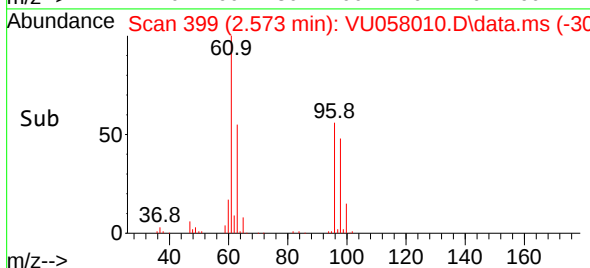
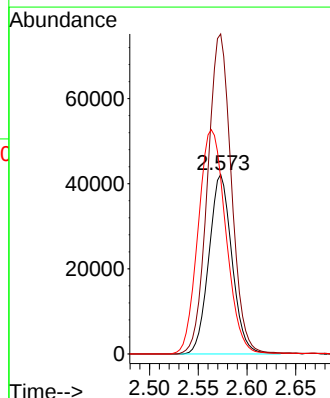
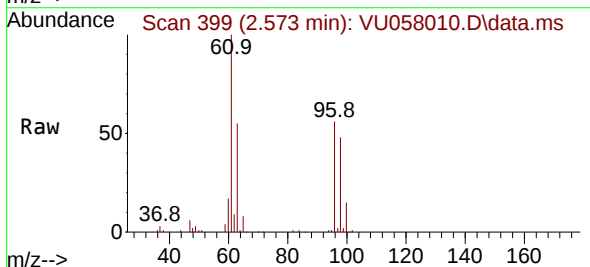
Instrument :
 MSVOA_U
 ClientSampleId :
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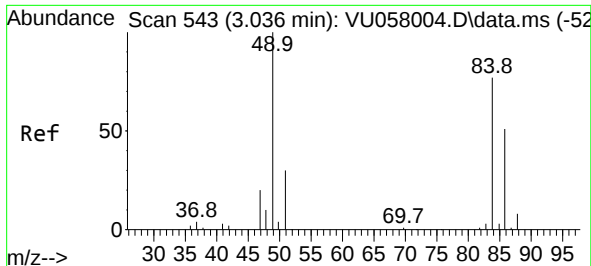
Tgt Ion: 62 Resp: 66487
 Ion Ratio Lower Upper
 62 100
 64 31.9 22.5 41.7



#12
 1,1-Dichloroethene
 Concen: 7.817 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU058010.D
 Acq: 08 Mar 2024 12:23

Tgt Ion: 96 Resp: 69299
 Ion Ratio Lower Upper
 96 100
 61 178.3 131.8 244.8
 63 98.0 98.1 182.1#

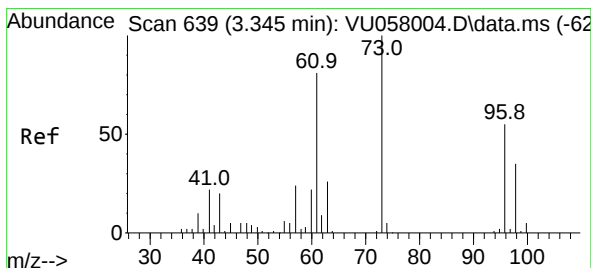
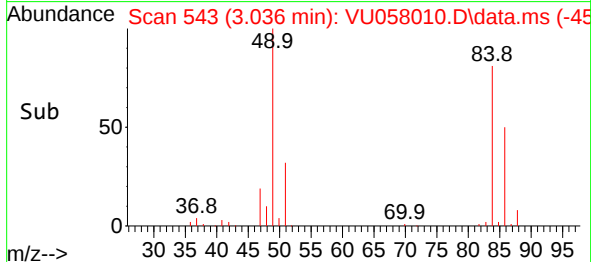
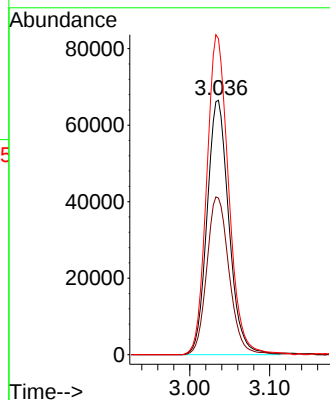
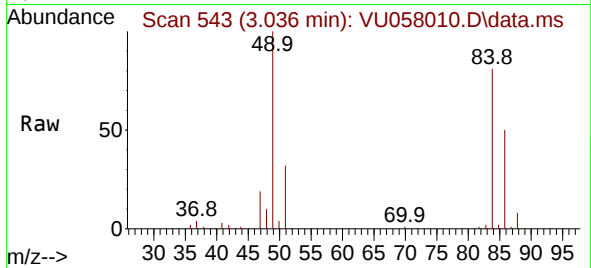




#16
Methylene chloride
Concen: 11.734 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.000 min
Lab File: VU058010.D
Acq: 08 Mar 2024 12:23

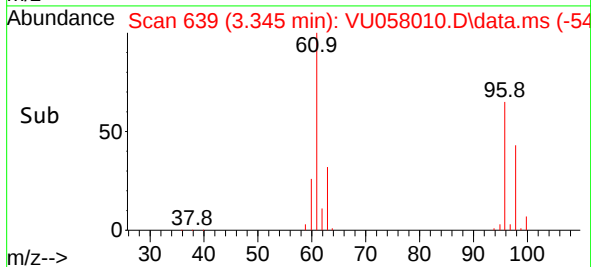
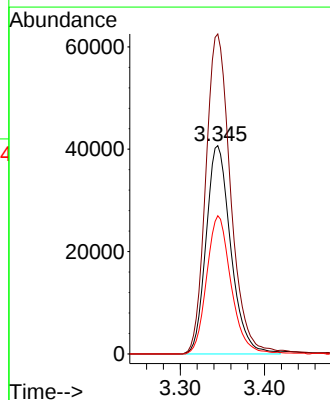
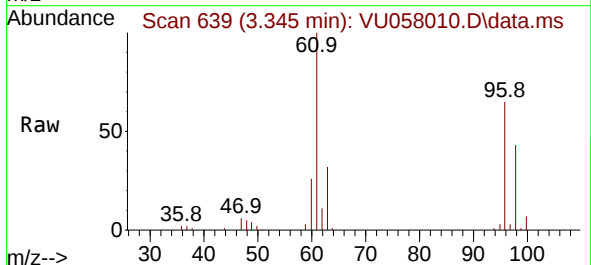
Instrument :
MSVOA_U
ClientSampleId :
DCNO0DL

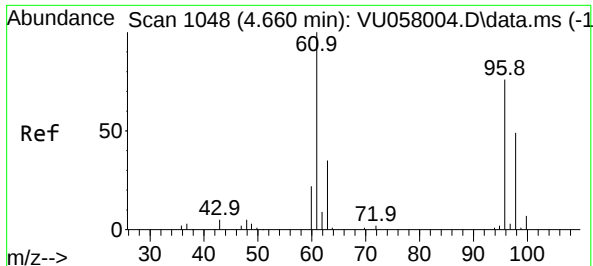
Tgt Ion: 84 Resp: 126432
Ion Ratio Lower Upper
84 100
86 61.5 44.4 82.4
49 124.2 88.8 165.0



#18
trans-1,2-Dichloroethene
Concen: 8.587 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.000 min
Lab File: VU058010.D
Acq: 08 Mar 2024 12:23

Tgt Ion: 96 Resp: 82918
Ion Ratio Lower Upper
96 100
61 153.7 107.7 199.9
98 66.4 45.8 85.0

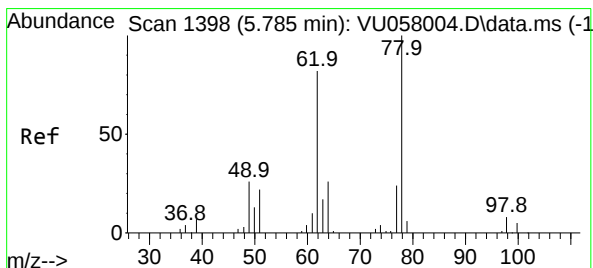
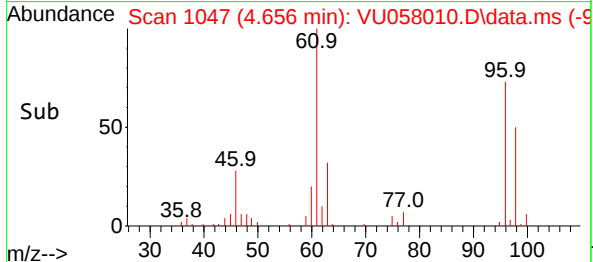
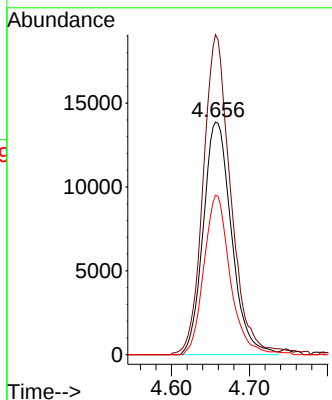
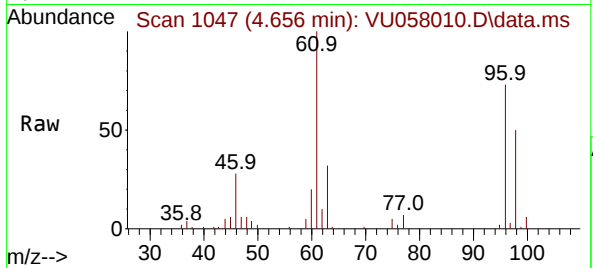




#22
cis-1,2-Dichloroethene
Concen: 3.286 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU058010.D
Acq: 08 Mar 2024 12:23

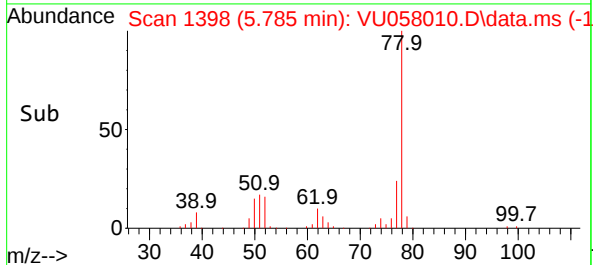
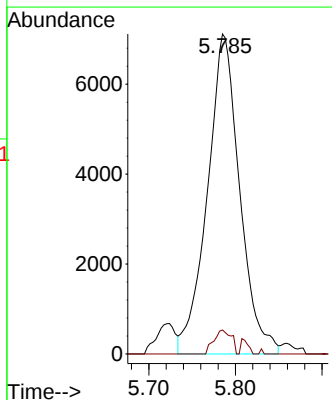
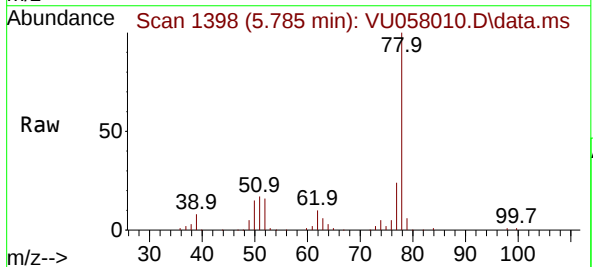
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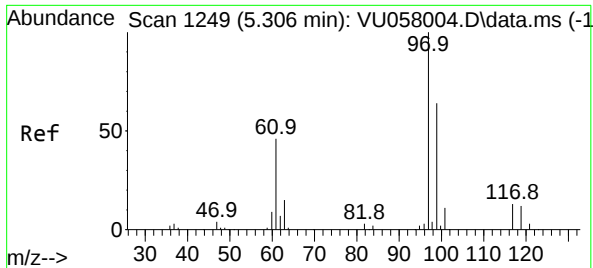
Tgt Ion:	96	Resp:	34902
Ion	Ratio	Lower	Upper
96	100		
61	137.6	97.2	180.4
98	68.5	45.5	84.5



#27
1,2-Dichloroethane
Concen: 1.694 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VU058010.D
Acq: 08 Mar 2024 12:23

Tgt Ion:	62	Resp:	18438
Ion	Ratio	Lower	Upper
62	100		
98	7.5	7.0	10.4

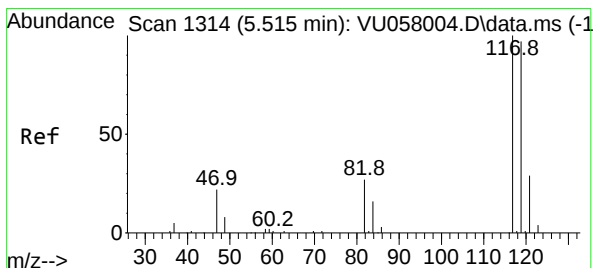
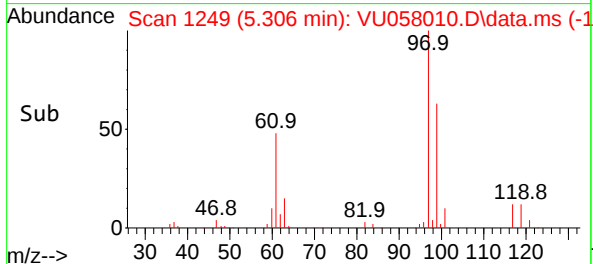
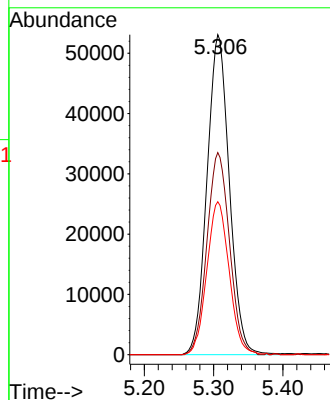
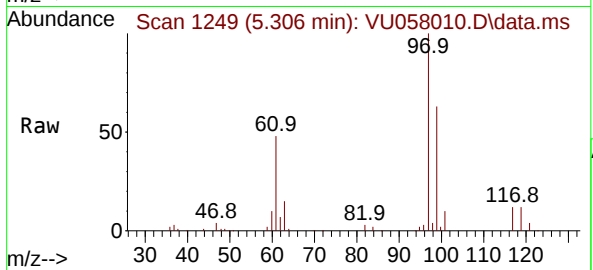




#29
1,1,1-Trichloroethane
Concen: 7.149 ug/L
RT: 5.306 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU058010.D
Acq: 08 Mar 2024 12:23

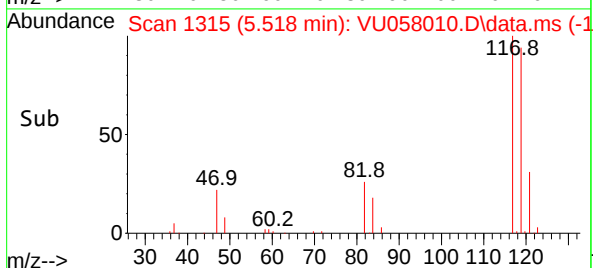
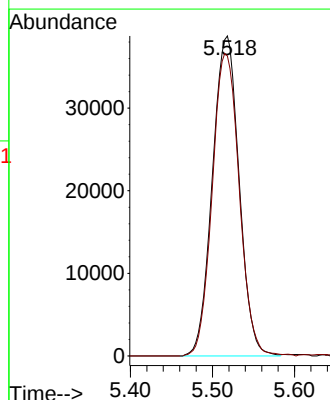
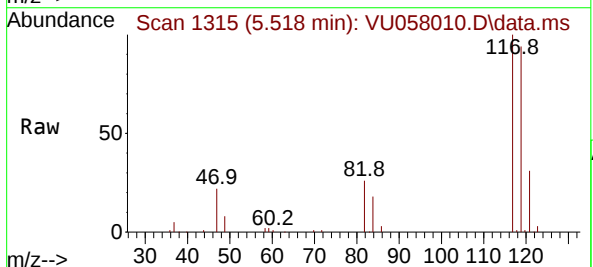
Instrument :
MSVOA_U
ClientSampleId :
DCNO0DL

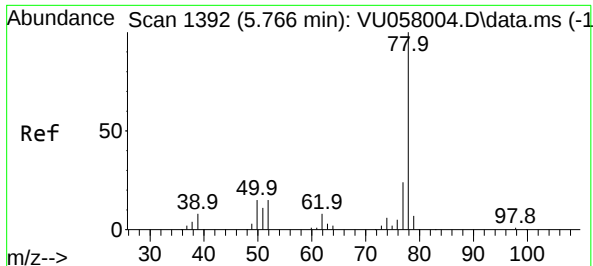
Tgt Ion: 97 Resp: 118871
Ion Ratio Lower Upper
97 100
99 63.9 51.2 76.8
61 47.8 37.4 56.2



#31
Carbon tetrachloride
Concen: 6.072 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.003 min
Lab File: VU058010.D
Acq: 08 Mar 2024 12:23

Tgt Ion: 117 Resp: 87732
Ion Ratio Lower Upper
117 100
119 95.5 75.8 113.8

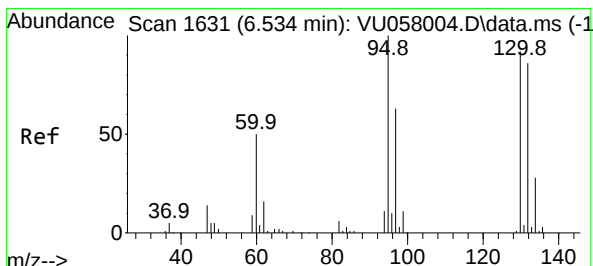
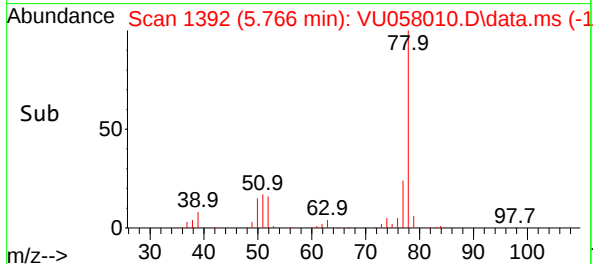
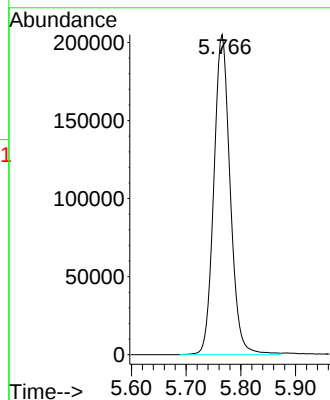
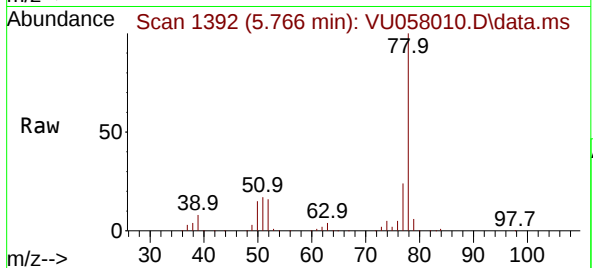




#33
Benzene
Concen: 9.930 ug/L
RT: 5.766 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU058010.D
Acq: 08 Mar 2024 12:23

Instrument :
MSVOA_U
ClientSampleId :
DCNO0DL

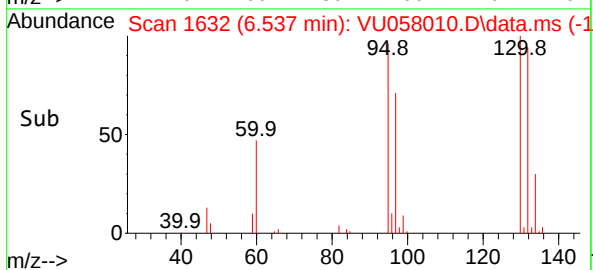
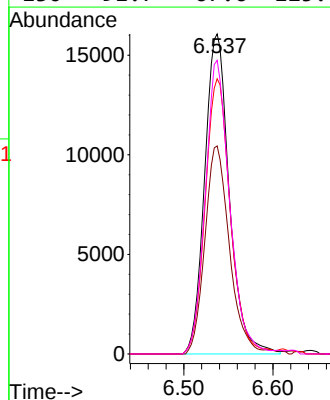
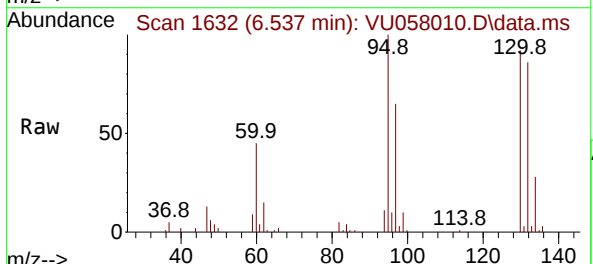
Tgt Ion: 78 Resp: 425694

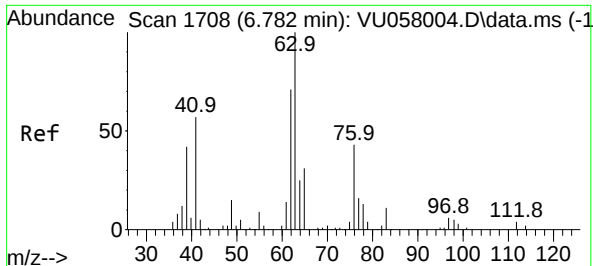


#34
Trichloroethene
Concen: 2.743 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.003 min
Lab File: VU058010.D
Acq: 08 Mar 2024 12:23

Tgt Ion: 95 Resp: 30934

Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.3	84.1
132	86.0	63.1	117.1
130	91.7	67.6	125.6





#37

1,2-Dichloropropane

Concen: 7.913 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU058010.D

Acq: 08 Mar 2024 12:23

Instrument :

MSVOA_U

ClientSampleId :

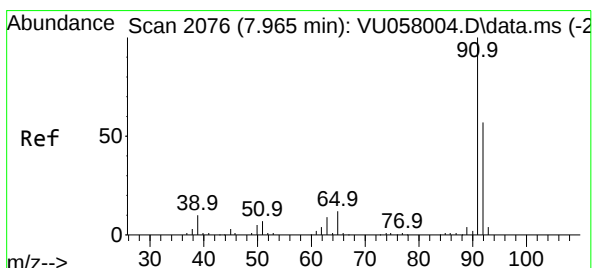
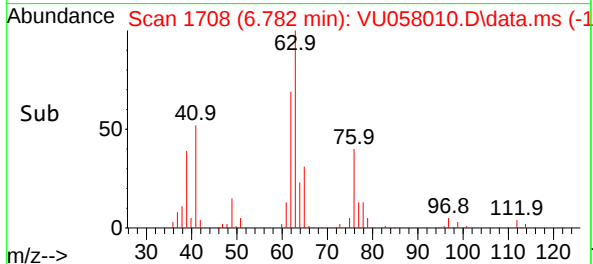
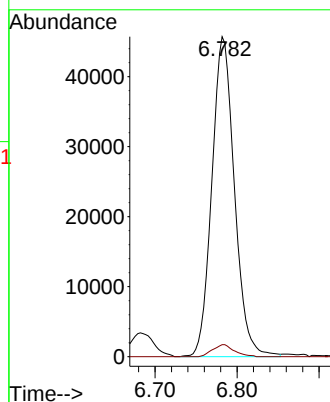
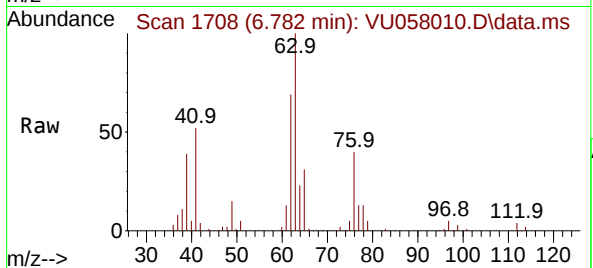
DCNO0DL

Tgt Ion: 63 Resp: 87468

Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.4



#42

Toluene

Concen: 10.508 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.003 min

Lab File: VU058010.D

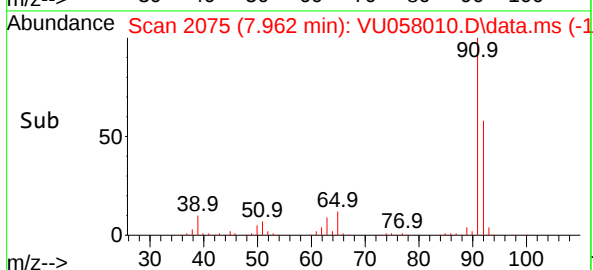
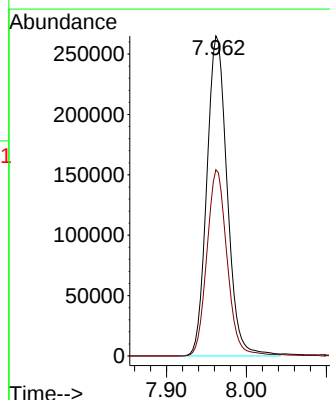
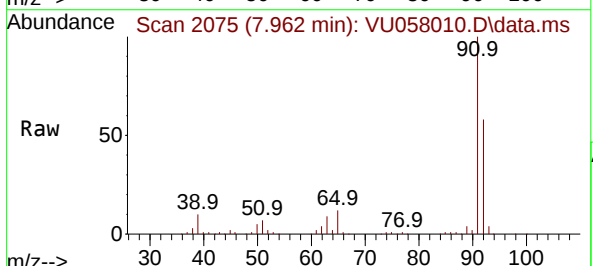
Acq: 08 Mar 2024 12:23

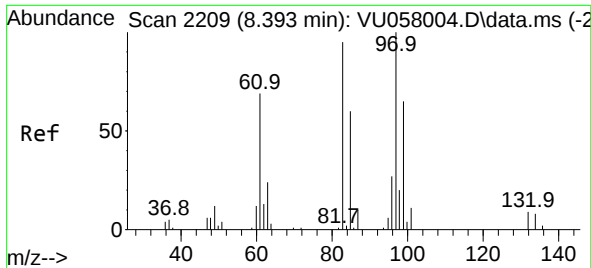
Tgt Ion: 91 Resp: 469083

Ion Ratio Lower Upper

91 100

92 58.2 40.2 74.6



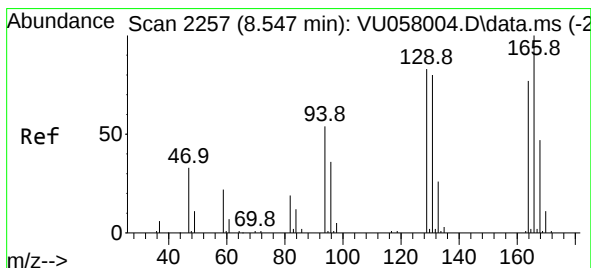
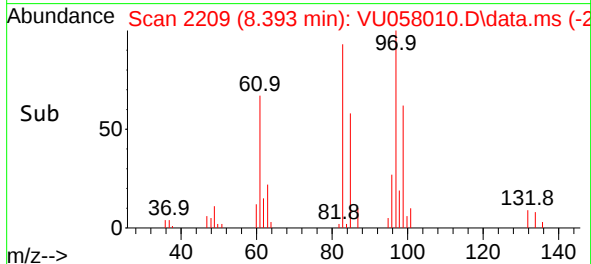
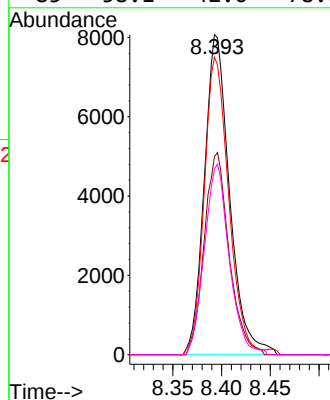
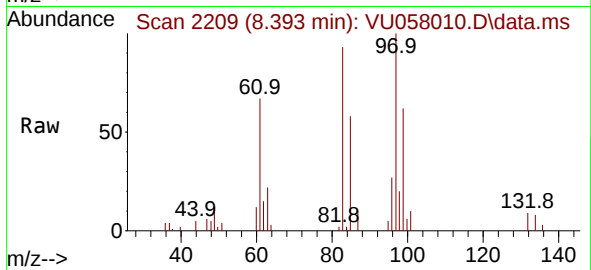


#45
1,1,2-Trichloroethane
Concen: 2.219 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU058010.D
Acq: 08 Mar 2024 12:23

Instrument :
MSVOA_U
ClientSampleId :
DCNO0DL

Tgt Ion: 97 Resp: 14545

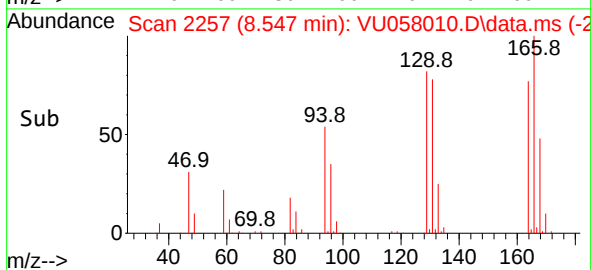
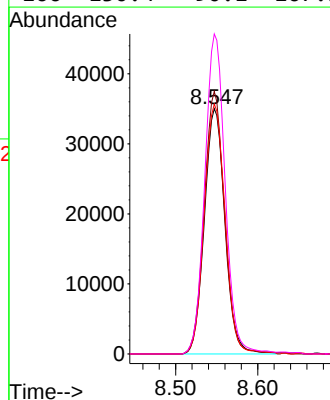
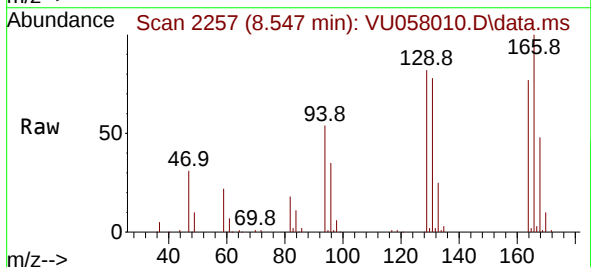
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.2	82.2
83	93.0	64.2	119.2
85	58.1	42.0	78.0

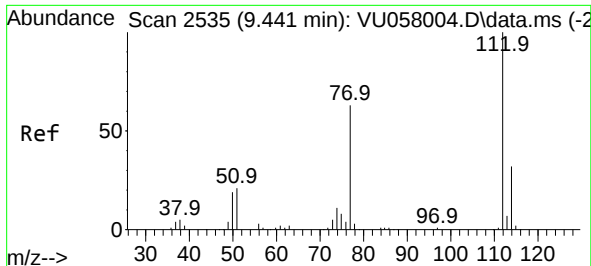


#47
Tetrachloroethene
Concen: 7.846 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU058010.D
Acq: 08 Mar 2024 12:23

Tgt Ion: 164 Resp: 61397

Ion	Ratio	Lower	Upper
164	100		
129	107.0	69.3	128.7
131	101.8	69.9	129.9
166	130.4	90.1	167.3

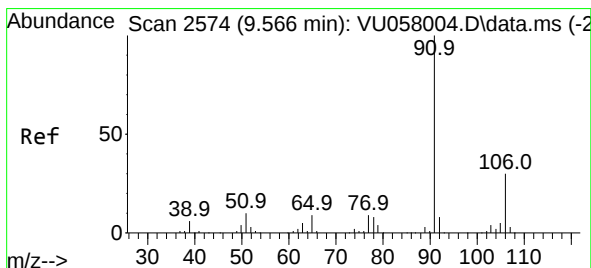
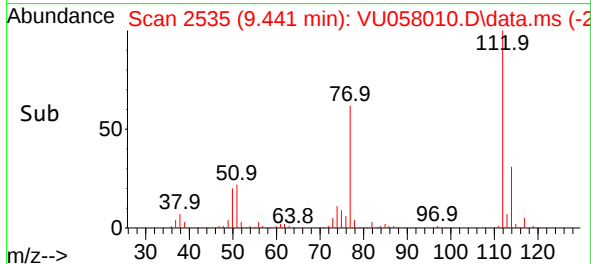
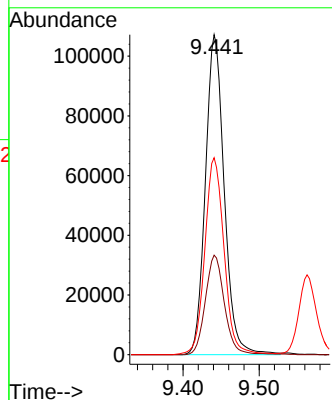
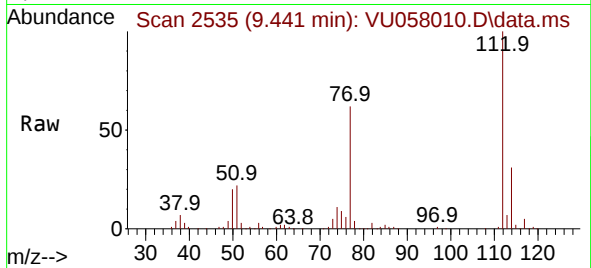




#51
Chlorobenzene
Concen: 6.594 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058010.D
Acq: 08 Mar 2024 12:23

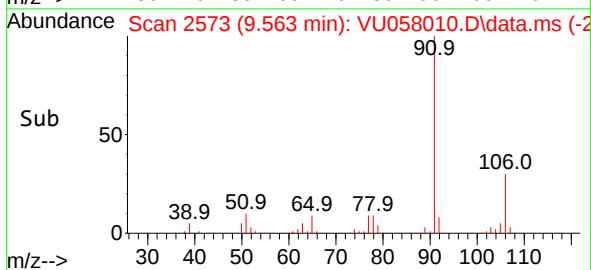
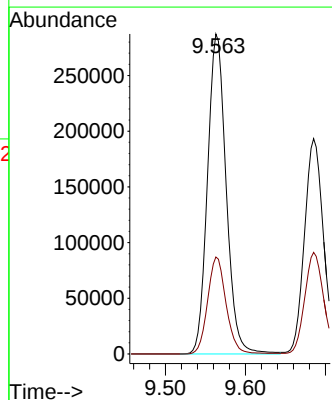
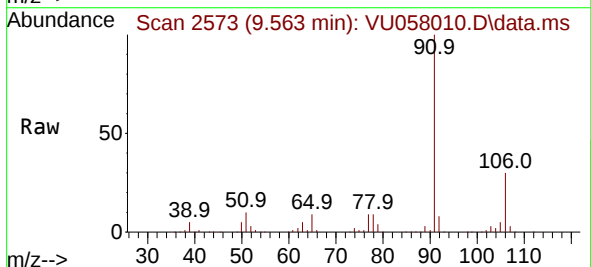
Instrument :
MSVOA_U
ClientSampleId :
DCNO0DL

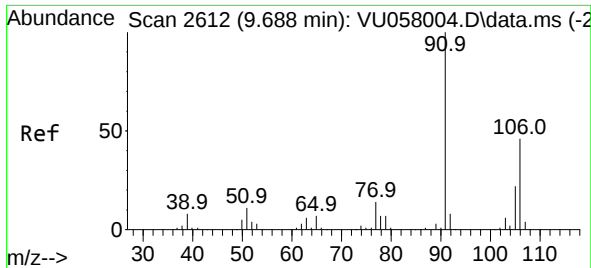
Tgt Ion:112 Resp: 184607
Ion Ratio Lower Upper
112 100
114 31.1 22.7 42.1
77 61.6 52.3 78.5



#52
Ethylbenzene
Concen: 9.345 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.003 min
Lab File: VU058010.D
Acq: 08 Mar 2024 12:23

Tgt Ion: 91 Resp: 466866
Ion Ratio Lower Upper
91 100
106 30.3 20.9 38.7

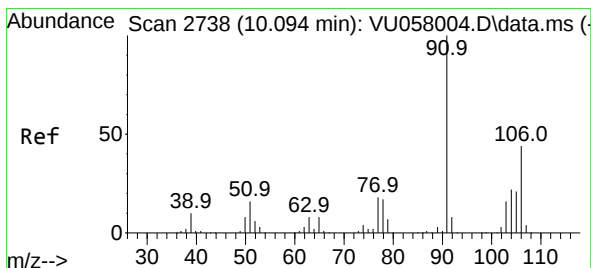
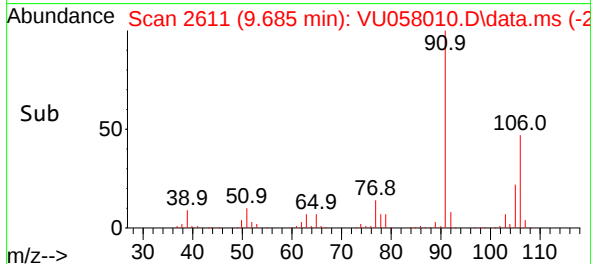
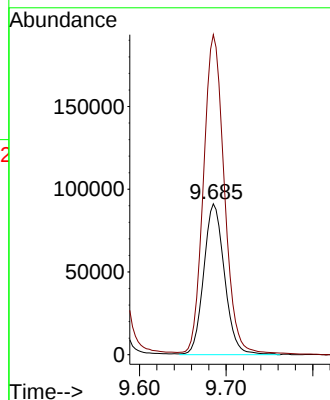
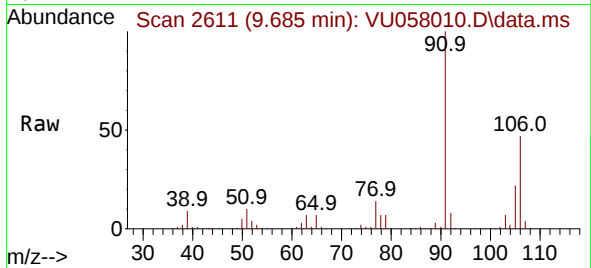




#53
m,p-Xylene
Concen: 8.533 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU058010.D
Acq: 08 Mar 2024 12:23

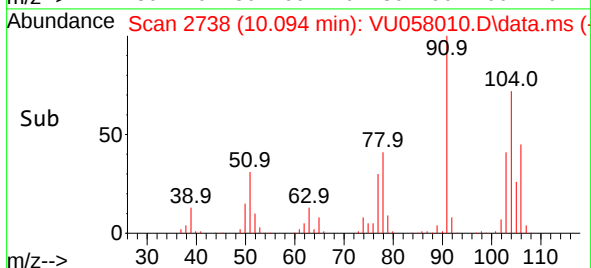
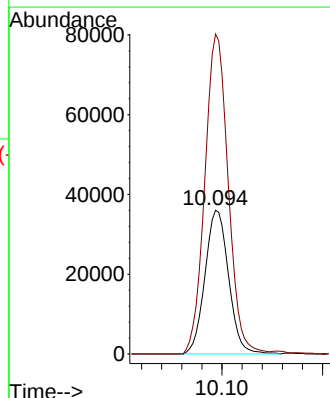
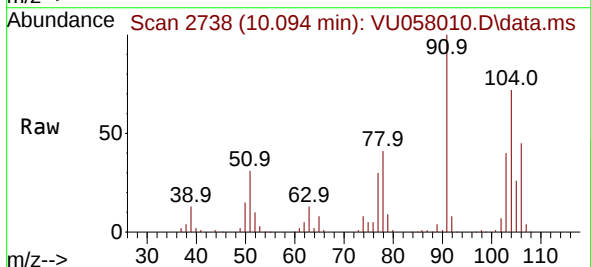
Instrument :
MSVOA_U
ClientSampleId :
DCNO0DL

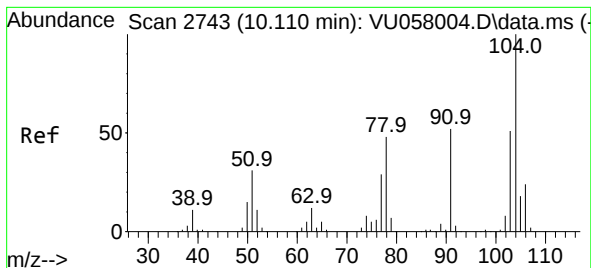
Tgt Ion:106 Resp: 152297
Ion Ratio Lower Upper
106 100
91 212.0 148.8 276.4



#54
o-Xylene
Concen: 3.301 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.000 min
Lab File: VU058010.D
Acq: 08 Mar 2024 12:23

Tgt Ion:106 Resp: 58721
Ion Ratio Lower Upper
106 100
91 222.7 158.3 294.1





#55

Styrene

Concen: 10.430 ug/L

RT: 10.110 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU058010.D

Acq: 08 Mar 2024 12:23

Instrument :

MSVOA_U

ClientSampleId :

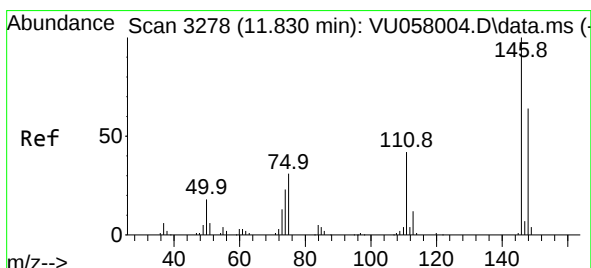
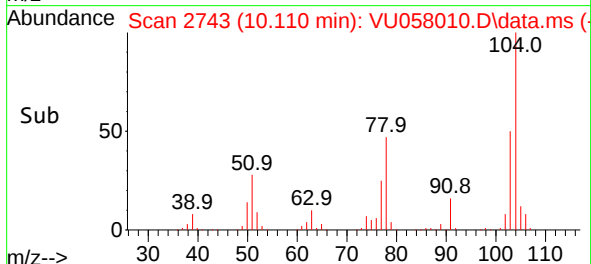
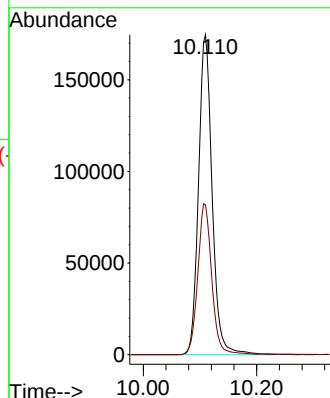
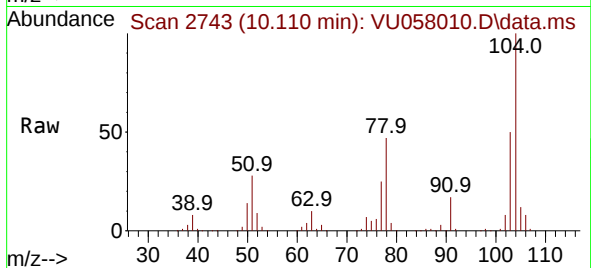
DCNO0DL

Tgt Ion:104 Resp: 291229

Ion Ratio Lower Upper

104 100

78 46.9 34.2 63.4



#65

1,4-Dichlorobenzene

Concen: 8.657 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU058010.D

Acq: 08 Mar 2024 12:23

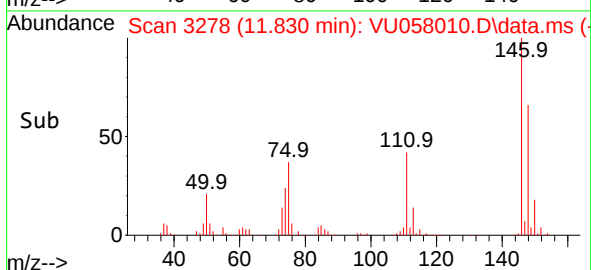
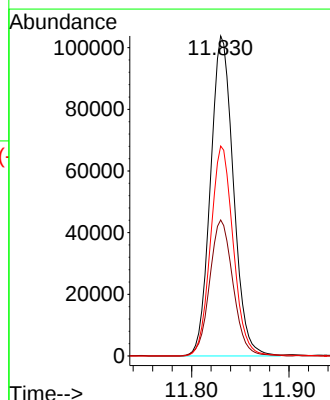
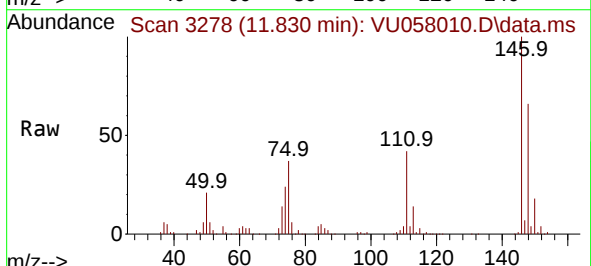
Tgt Ion:146 Resp: 169449

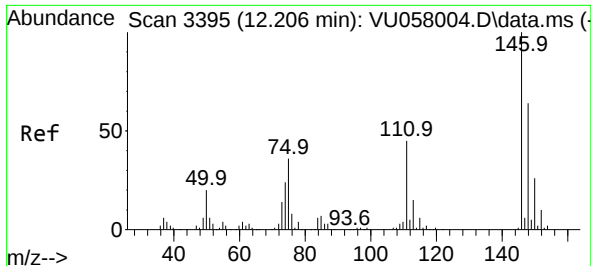
Ion Ratio Lower Upper

146 100

111 42.5 30.1 55.9

148 65.6 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 9.163 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU058010.D

Acq: 08 Mar 2024 12:23

Instrument :

MSVOA_U

ClientSampleId :

DCNO0DL

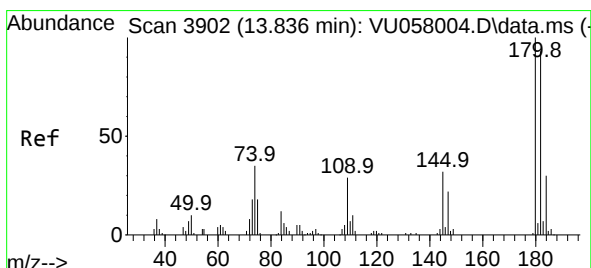
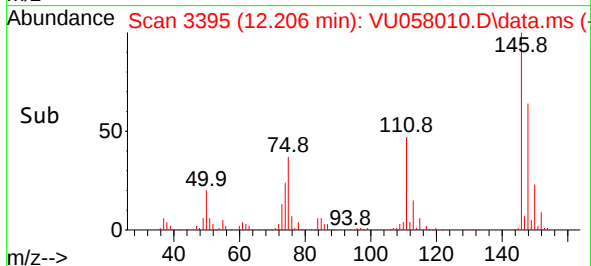
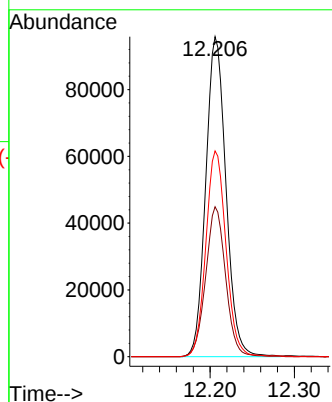
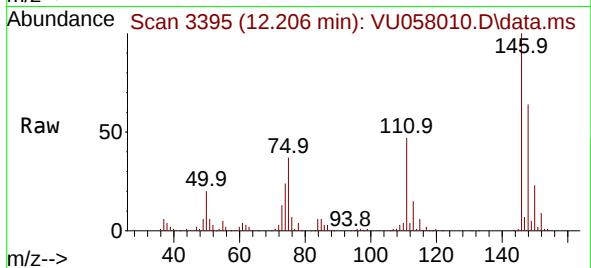
Tgt Ion:146 Resp: 159977

Ion Ratio Lower Upper

146 100

111 46.8 37.4 56.0

148 64.3 50.8 76.2



#70

1,2,4-trichlorobenzene

Concen: 3.846 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU058010.D

Acq: 08 Mar 2024 12:23

Tgt Ion:180 Resp: 41568

Ion Ratio Lower Upper

180 100

182 95.9 77.9 116.9

145 32.7 25.8 38.8

