

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012924\
 Data File : VU057726.D
 Acq On : 29 Jan 2024 18:58
 Operator : MD/SY
 Sample : P1239-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0FC2

Quant Time: Jan 30 00:35:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 30 00:30:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	61260	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	55768	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	26424	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	22456	6.653	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	133.000%#
7) Chloroethane-d5	1.901	69	16727	5.914	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.200%
11) 1,1-Dichloroethene-d2	2.554	65	9819	6.187	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	123.800%
20) 2-Butanone-d5	4.676	46	38354	60.235	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.480%
24) Chloroform-d	5.052	84	34823	5.083	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
26) 1,2-Dichloroethane-d4	5.698	65	17372	5.580	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.600%
32) Benzene-d6	5.714	84	72125	5.514	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.200%
36) 1,2-Dichloropropane-d6	6.685	67	21985	5.572	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.400%
41) Toluene-d8	7.891	98	66791	5.379	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.600%
43) trans-1,3-Dichloroprop...	8.174	79	7924	5.039	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.800%
46) 2-Hexanone-d5	8.634	63	27734	55.277	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.560%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	13932	5.268	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	21223	5.723	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.589	62	196659	35.573	ug/L	100
12) 1,1-Dichloroethene	2.567	96	31525	7.081	ug/L	86
18) trans-1,2-Dichloroethene	3.338	96	67918	14.484	ug/L	99
19) 1,1-Dichloroethane	3.853	63	178673	20.633	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	15022698	2979.918	ug/L	97
27) 1,2-Dichloroethane	5.792	62	8517	1.591	ug/L	97
29) 1,1,1-Trichloroethane	5.303	97	3285	0.401	ug/L #	51
30) Cyclohexane	5.370	56	9989	1.265	ug/L	95
33) Benzene	5.766	78	11113	0.581	ug/L	100
34) Trichloroethene	6.537	95	3186	0.604	ug/L	96
35) Methylcyclohexane	6.753	83	33070	3.882	ug/L	96
42) Toluene	7.962	91	119131	5.776	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	1673	0.537	ug/L	93
52) Ethylbenzene	9.563	91	21923	0.943	ug/L	97
53) m,p-Xylene	9.688	106	7183	0.838	ug/L	99
54) o-Xylene	10.097	106	3856	0.461	ug/L	94
62) 1,3,5-Trimethylbenzene	11.084	105	2289	0.124	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	2997	0.162	ug/L	98

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QLast Update : Tue Jan 30 00:30:52 2024
Response via : Initial Calibration

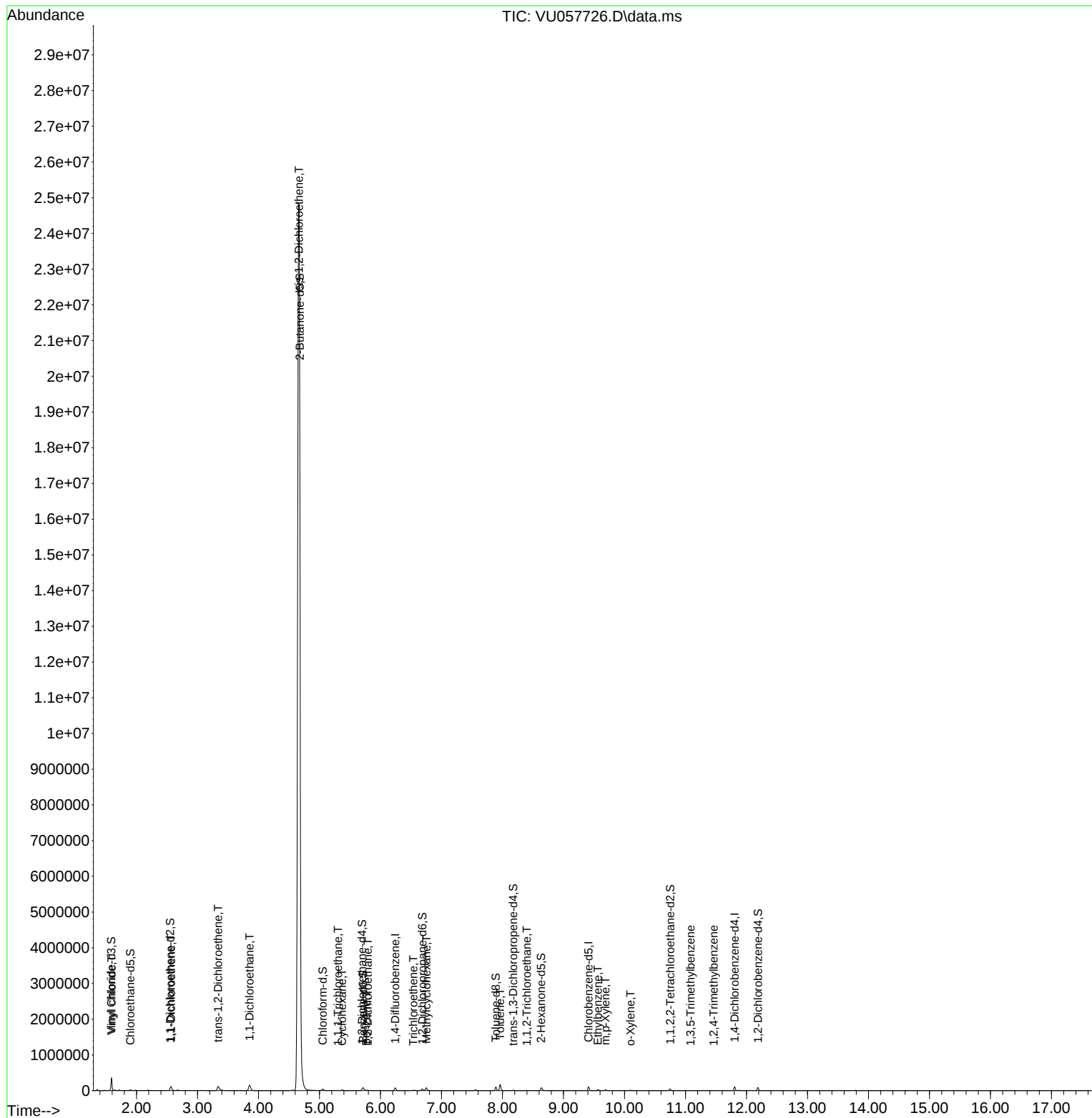
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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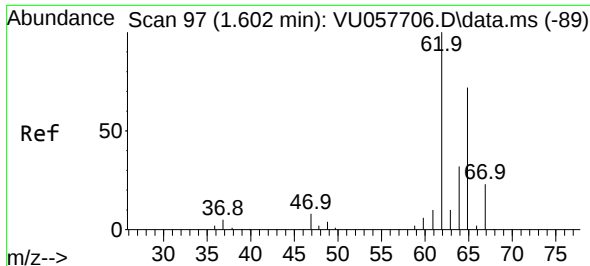
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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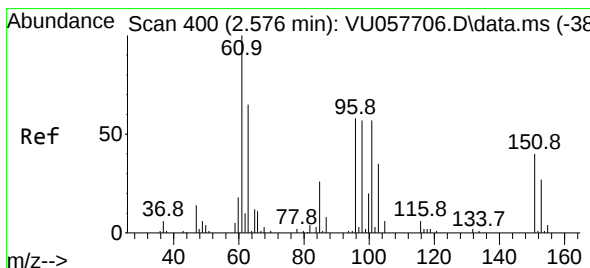
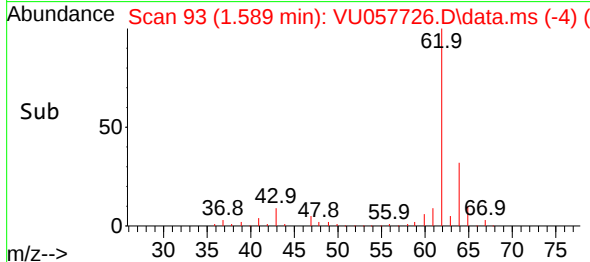
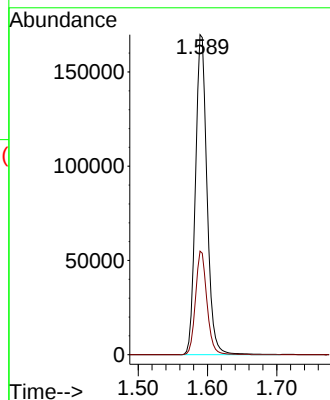
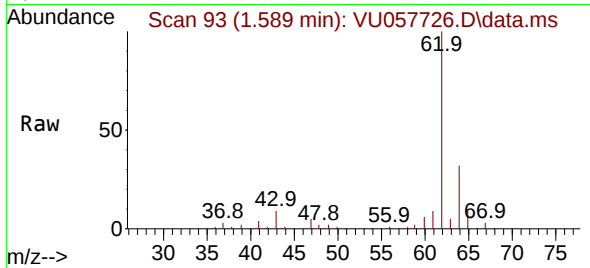




#5
 Vinyl chloride
 Concen: 35.573 ug/L
 RT: 1.589 min Scan# 91
 Delta R.T. -0.013 min
 Lab File: VU057726.D
 Acq: 29 Jan 2024 18:58

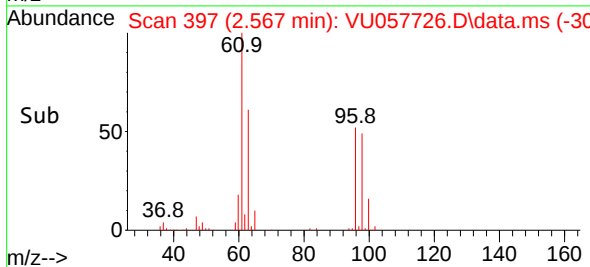
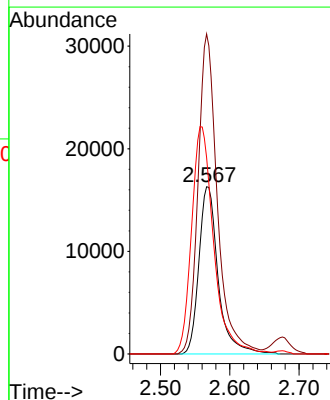
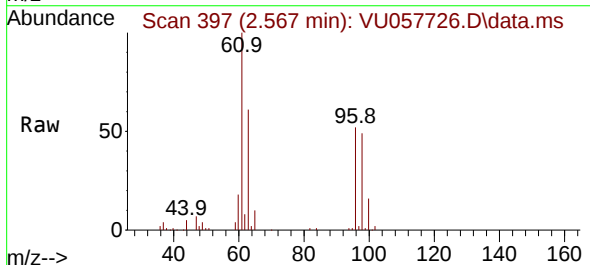
Instrument :
 MSVOA_U
 ClientSampleId :
 C0FC2

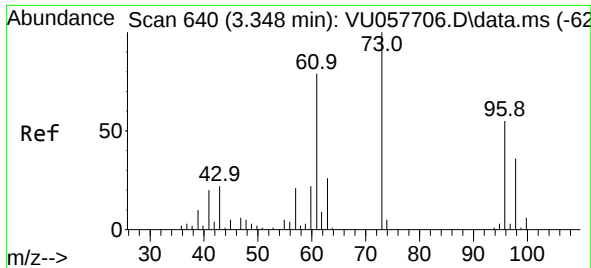
Tgt Ion: 62 Resp: 196659
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.8 42.4



#12
 1,1-Dichloroethene
 Concen: 7.081 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.009 min
 Lab File: VU057726.D
 Acq: 29 Jan 2024 18:58

Tgt Ion: 96 Resp: 31525
 Ion Ratio Lower Upper
 96 100
 61 191.4 120.7 224.1
 63 117.5 72.5 134.7

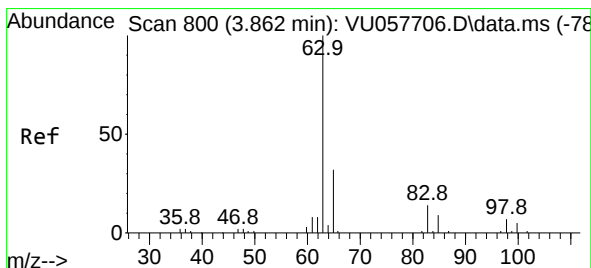
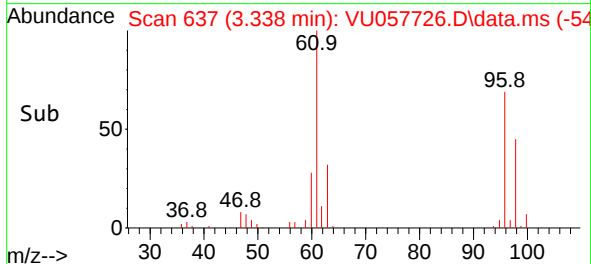
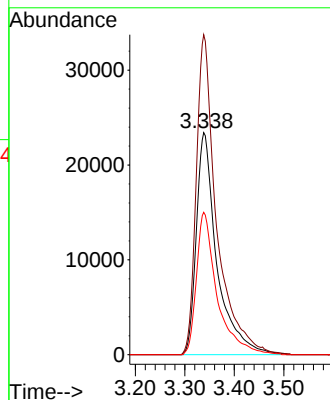
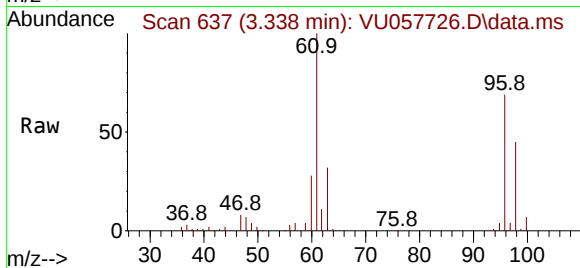




#18
trans-1,2-Dichloroethene
Concen: 14.484 ug/L
RT: 3.338 min Scan# 61
Delta R.T. -0.009 min
Lab File: VU057726.D
Acq: 29 Jan 2024 18:58

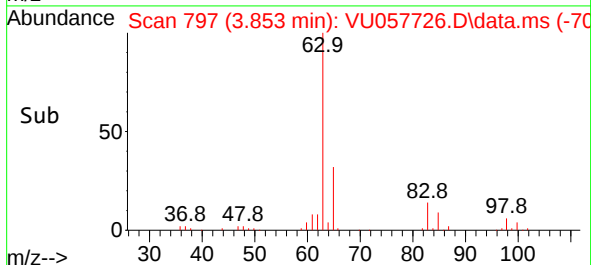
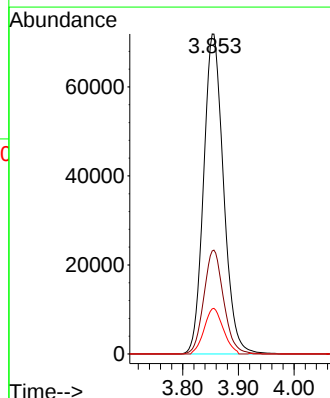
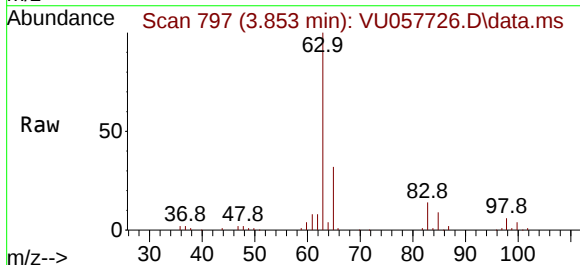
Instrument :
MSVOA_U
ClientSampleId :
C0FC2

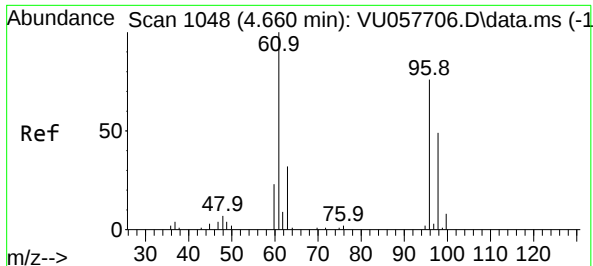
Tgt Ion: 96 Resp: 67918
Ion Ratio Lower Upper
96 100
61 144.1 99.3 184.5
98 64.2 44.5 82.7



#19
1,1-Dichloroethane
Concen: 20.633 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.009 min
Lab File: VU057726.D
Acq: 29 Jan 2024 18:58

Tgt Ion: 63 Resp: 178673
Ion Ratio Lower Upper
63 100
65 33.0 23.0 42.8
83 14.1 9.7 17.9



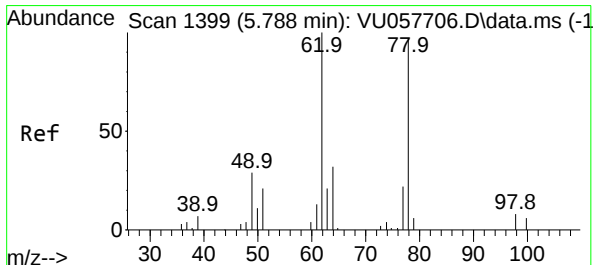
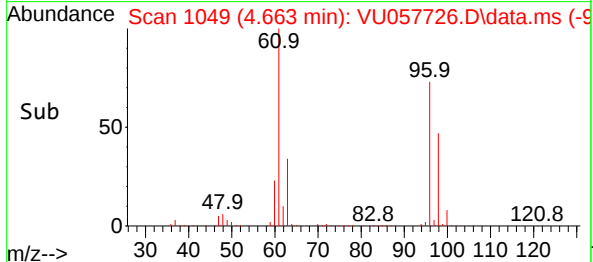
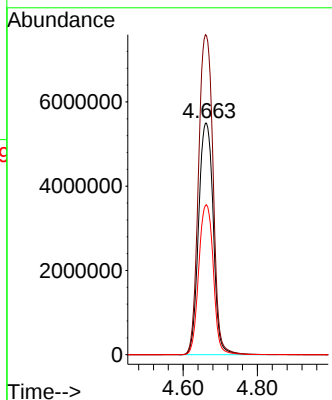
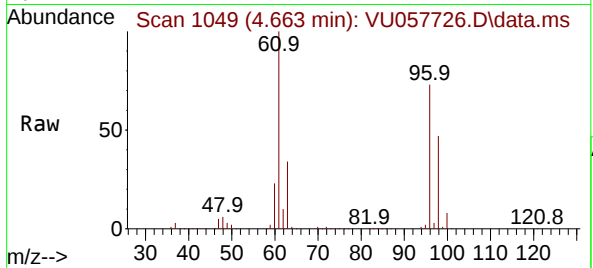


#22
 cis-1,2-Dichloroethene
 Concen: 2979.918 ug/L
 RT: 4.663 min Scan# 1048
 Delta R.T. 0.003 min
 Lab File: VU057726.D
 Acq: 29 Jan 2024 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 C0FC2

Tgt Ion: 96 Resp:15022698

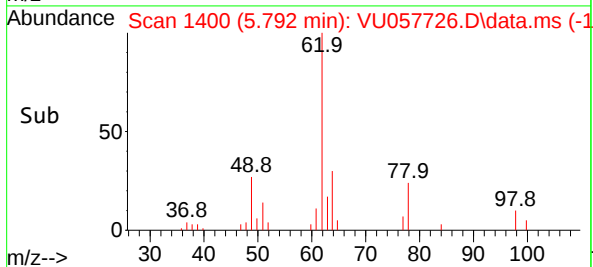
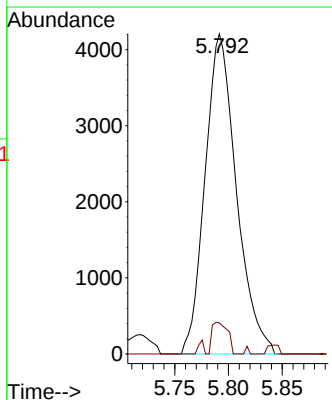
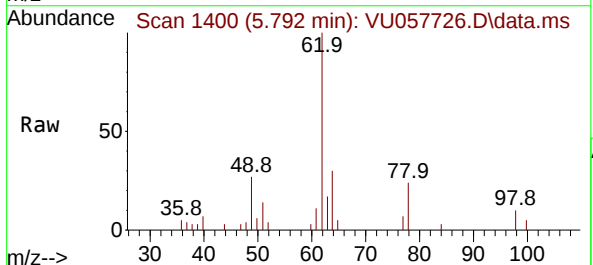
Ion	Ratio	Lower	Upper
96	100		
61	137.8	92.7	172.1
98	64.7	44.9	83.5

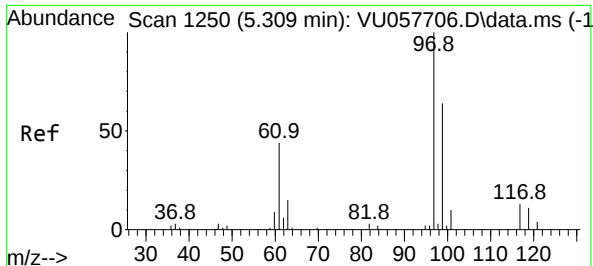


#27
 1,2-Dichloroethane
 Concen: 1.591 ug/L
 RT: 5.792 min Scan# 1400
 Delta R.T. 0.003 min
 Lab File: VU057726.D
 Acq: 29 Jan 2024 18:58

Tgt Ion: 62 Resp: 8517

Ion	Ratio	Lower	Upper
62	100		
98	9.7	6.9	10.3

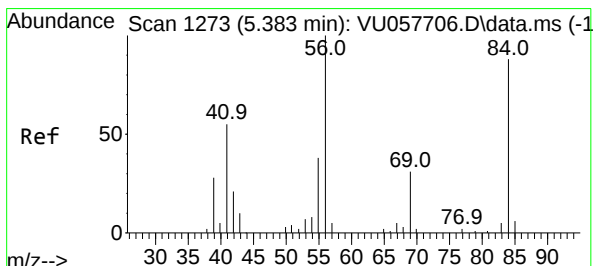
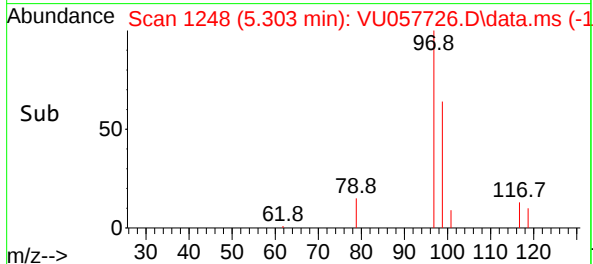
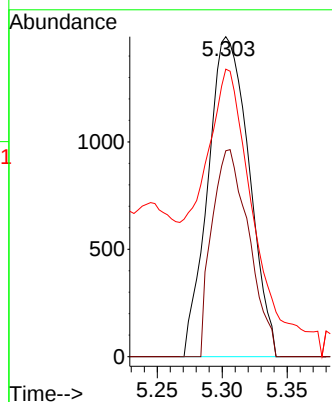
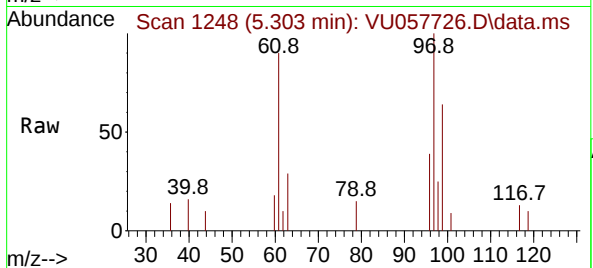




#29
1,1,1-Trichloroethane
Concen: 0.401 ug/L
RT: 5.303 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU057726.D
Acq: 29 Jan 2024 18:58

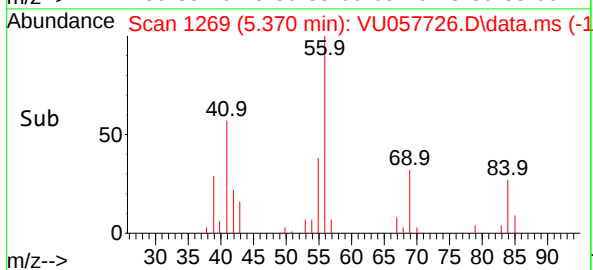
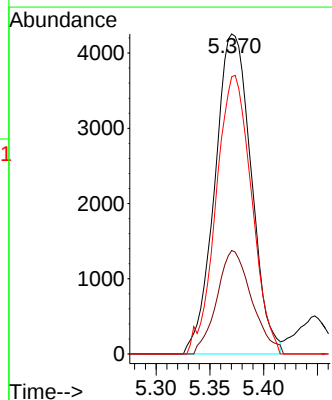
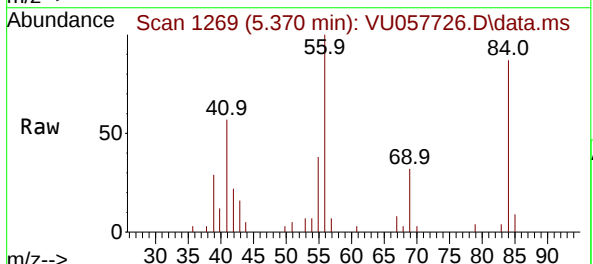
Instrument :
MSVOA_U
ClientSampleId :
C0FC2

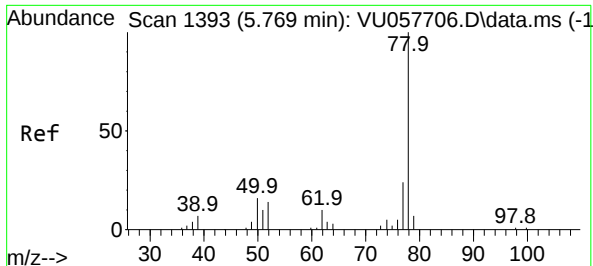
Tgt Ion: 97 Resp: 3285
Ion Ratio Lower Upper
97 100
99 58.0 52.0 78.0
61 114.4 35.3 52.9#



#30
Cyclohexane
Concen: 1.265 ug/L
RT: 5.370 min Scan# 1269
Delta R.T. -0.013 min
Lab File: VU057726.D
Acq: 29 Jan 2024 18:58

Tgt Ion: 56 Resp: 9989
Ion Ratio Lower Upper
56 100
69 31.0 25.8 38.8
84 84.9 72.0 108.0

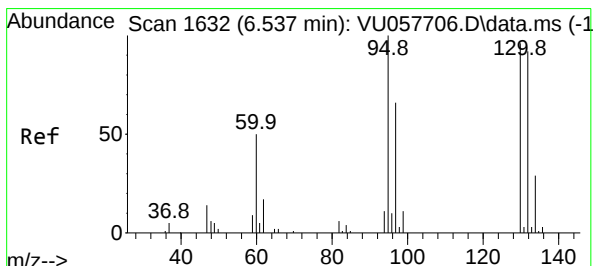
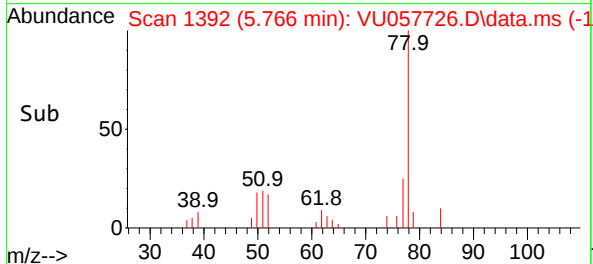
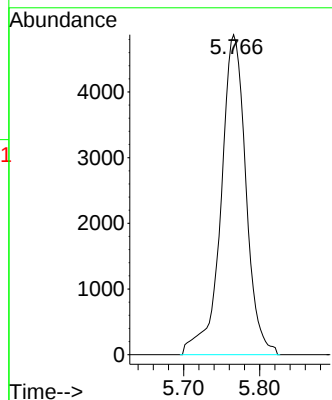
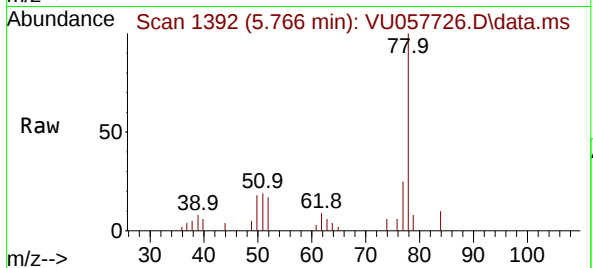




#33
Benzene
Concen: 0.581 ug/L
RT: 5.766 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU057726.D
Acq: 29 Jan 2024 18:58

Instrument :
MSVOA_U
ClientSampleId :
C0FC2

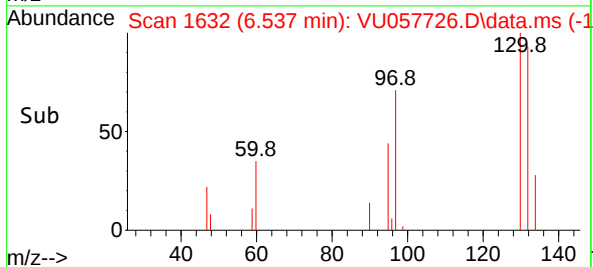
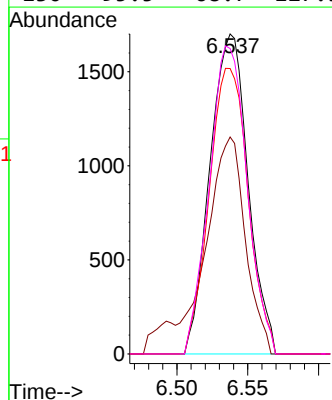
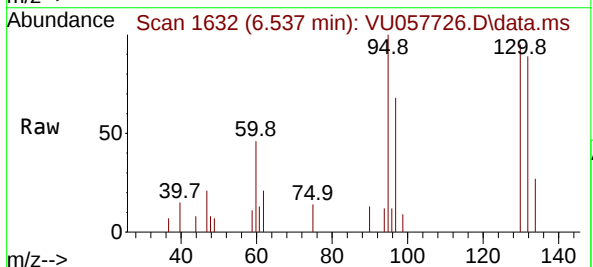
Tgt Ion: 78 Resp: 11113

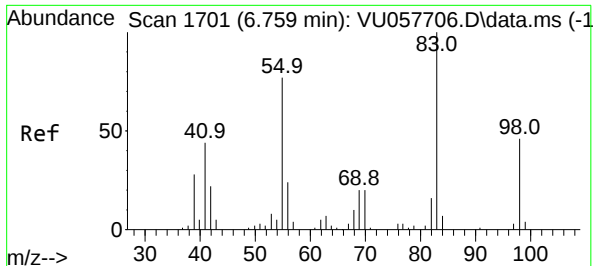


#34
Trichloroethene
Concen: 0.604 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU057726.D
Acq: 29 Jan 2024 18:58

Tgt Ion: 95 Resp: 3186

Ion	Ratio	Lower	Upper
95	100		
97	67.8	46.1	85.5
132	89.2	66.1	122.8
130	95.5	68.7	127.5

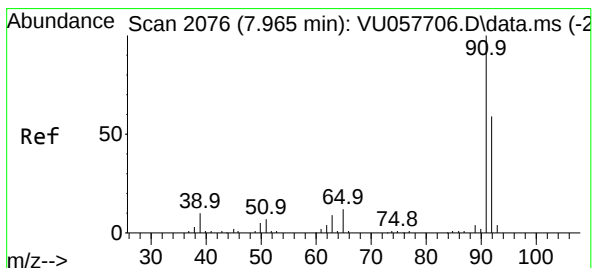
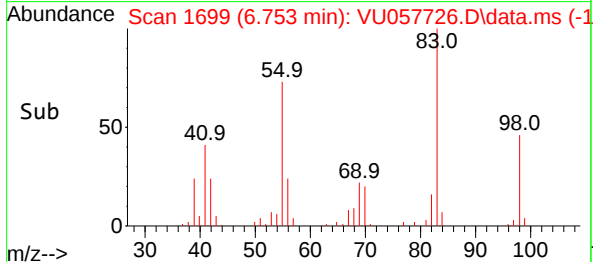
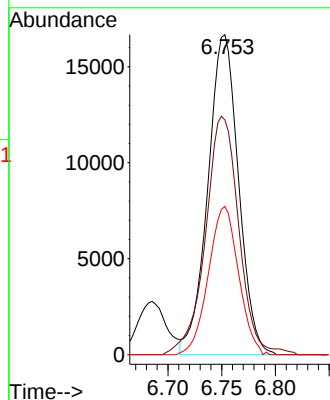
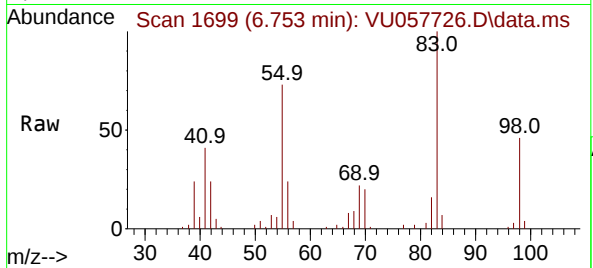




#35
Methylcyclohexane
Concen: 3.882 ug/L
RT: 6.753 min Scan# 1
Delta R.T. -0.006 min
Lab File: VU057726.D
Acq: 29 Jan 2024 18:58

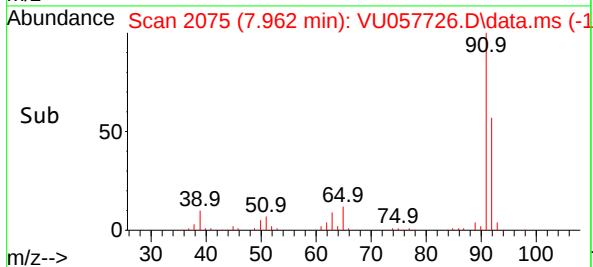
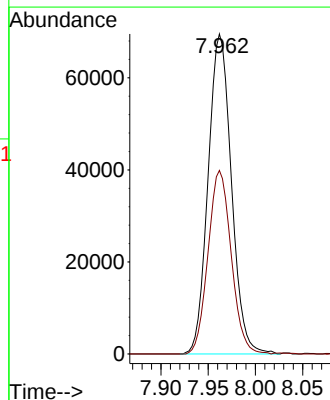
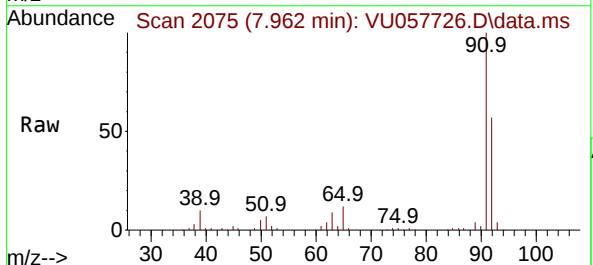
Instrument :
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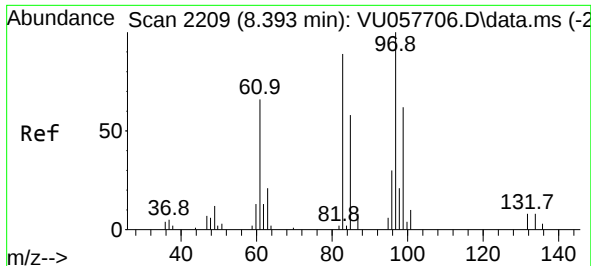
Tgt Ion: 83 Resp: 33070
Ion Ratio Lower Upper
83 100
55 81.1 61.4 92.0
98 45.6 38.2 57.4



#42
Toluene
Concen: 5.776 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. -0.003 min
Lab File: VU057726.D
Acq: 29 Jan 2024 18:58

Tgt Ion: 91 Resp: 119131
Ion Ratio Lower Upper
91 100
92 57.4 39.7 73.7





#45

1,1,2-Trichloroethane

Concen: 0.537 ug/L

RT: 8.396 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU057726.D

Acq: 29 Jan 2024 18:58

Instrument :

MSVOA_U

ClientSampleId :

C0FC2

Tgt Ion: 97 Resp: 1673

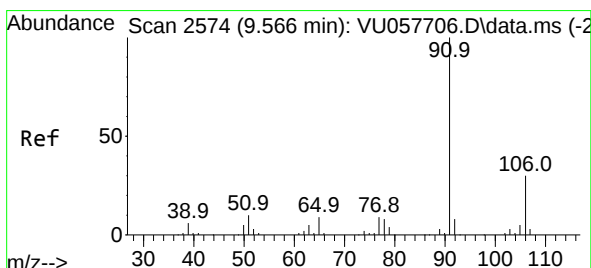
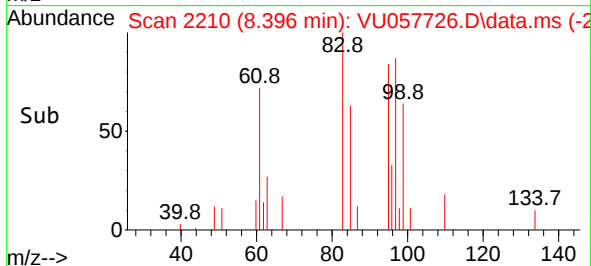
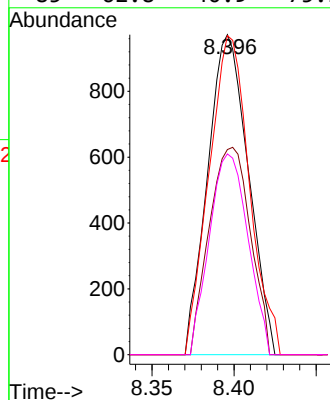
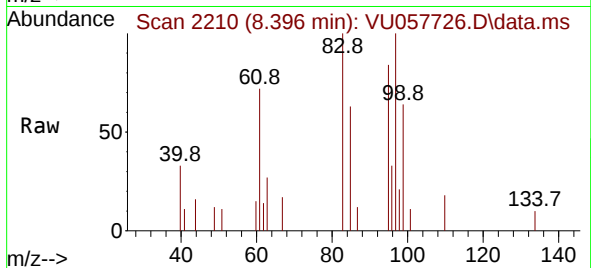
Ion Ratio Lower Upper

97 100

99 64.1 45.1 83.7

83 99.7 62.3 115.7

85 62.8 40.9 75.9



#52

Ethylbenzene

Concen: 0.943 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.003 min

Lab File: VU057726.D

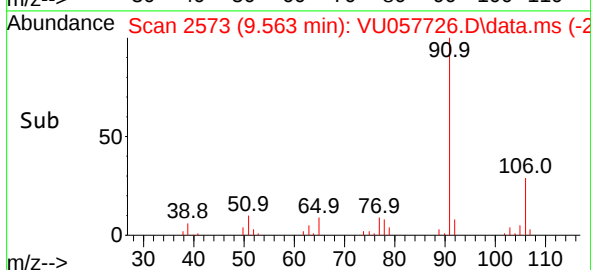
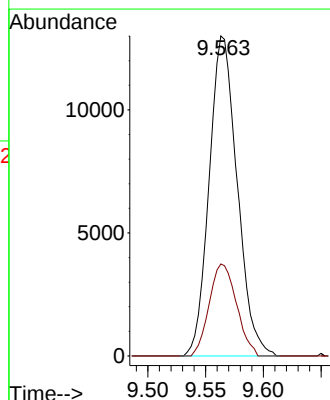
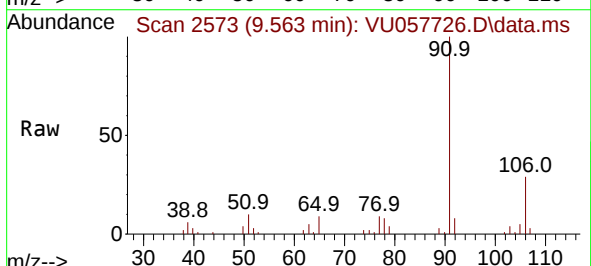
Acq: 29 Jan 2024 18:58

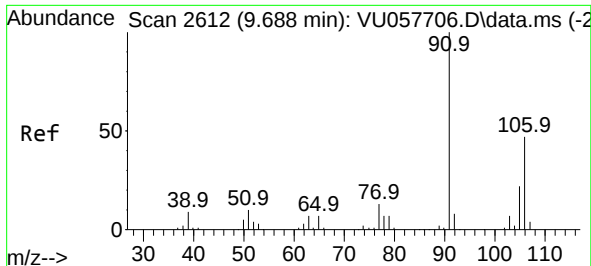
Tgt Ion: 91 Resp: 21923

Ion Ratio Lower Upper

91 100

106 28.8 21.3 39.5

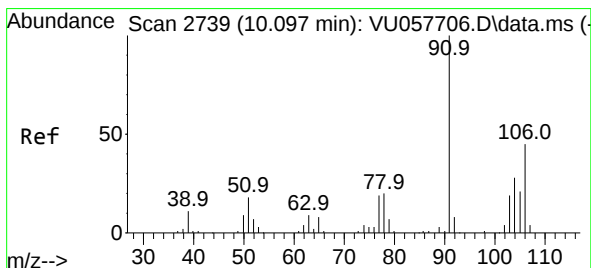
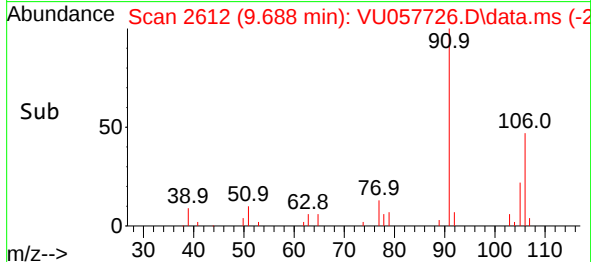
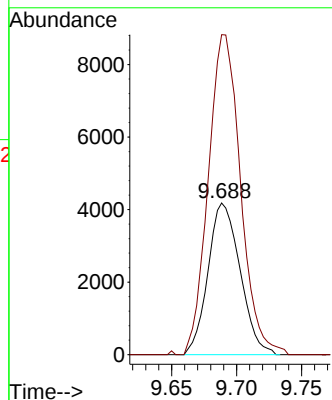
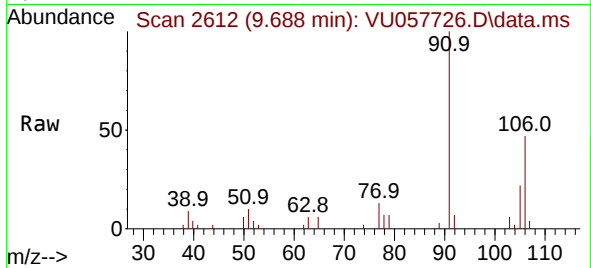




#53
m,p-Xylene
Concen: 0.838 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057726.D
Acq: 29 Jan 2024 18:58

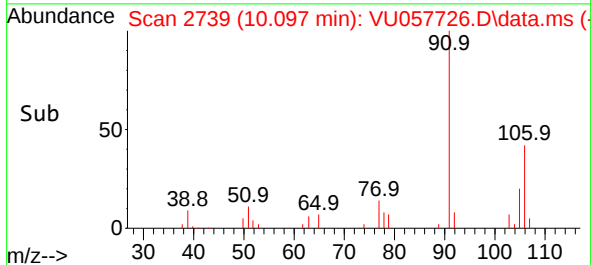
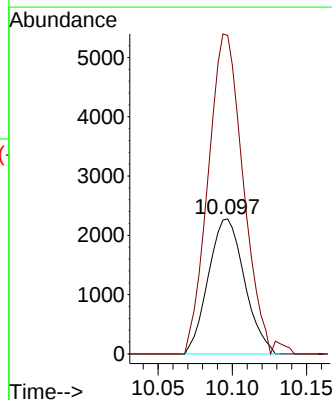
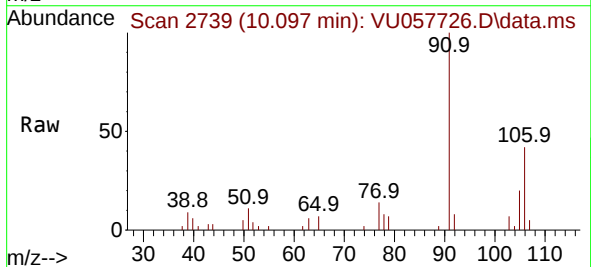
Instrument :
MSVOA_U
ClientSampleId :
C0FC2

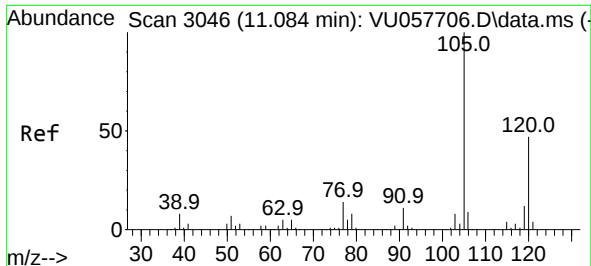
Tgt Ion:106 Resp: 7183
Ion Ratio Lower Upper
106 100
91 210.9 146.9 272.9



#54
o-Xylene
Concen: 0.461 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU057726.D
Acq: 29 Jan 2024 18:58

Tgt Ion:106 Resp: 3856
Ion Ratio Lower Upper
106 100
91 236.0 158.1 293.5





#62

1,3,5-Trimethylbenzene

Concen: 0.124 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU057726.D

Acq: 29 Jan 2024 18:58

Instrument :

MSVOA_U

ClientSampleId :

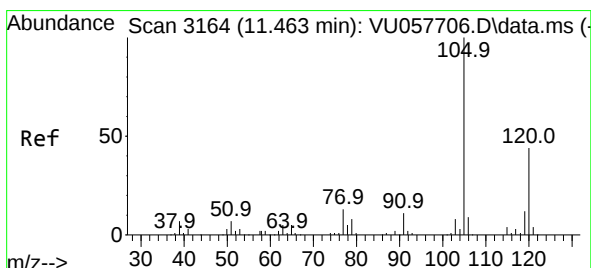
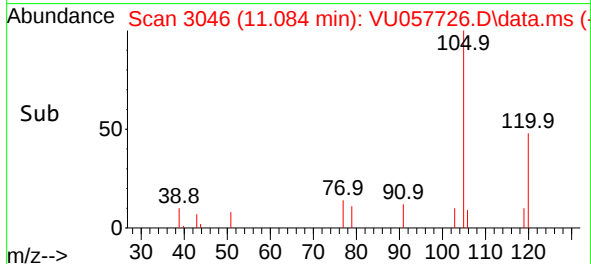
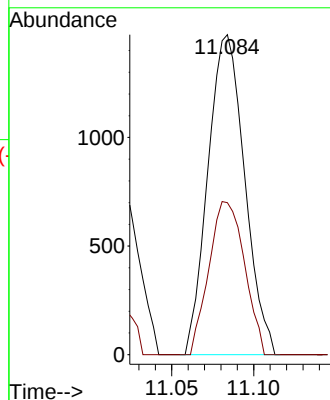
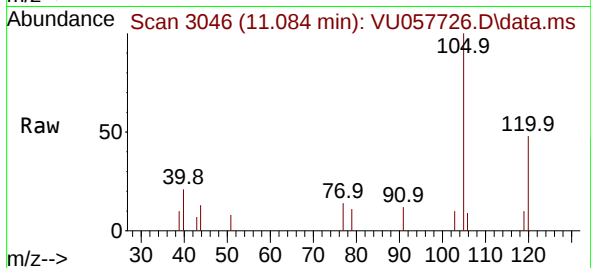
C0FC2

Tgt Ion:105 Resp: 2289

Ion Ratio Lower Upper

105 100

120 46.3 36.9 55.3



#63

1,2,4-Trimethylbenzene

Concen: 0.162 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU057726.D

Acq: 29 Jan 2024 18:58

Tgt Ion:105 Resp: 2997

Ion Ratio Lower Upper

105 100

120 42.1 35.0 52.4

